

Object	List	Date	Time	Seeing	Location	Equipment	Description
B 026-028	C	02/24/09	21:02 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm – In a star rich field is this area, approx 3 FOV long going from 1 – 7 o'clock. See some stars in this void yet at boundary, star counts go up and you can make out the boundary between void and star field.
B 029	C	02/24/09	20:58 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm – A long vertical area void of stars in a star rich area. Very subtle in FOV.
B 034	C	01/16/09	19:59 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – About half way between M37 and M36. A boxy oval void of stars in a very rich star rich field. Goes from 2 – 8 o'clock and its approx. ¾ of 19mm FOV long and about ½ as wide as it is long. Bounded nicely by lots of stars.
B 050	C	07/30/08	22:01 MDT	Seeing Great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Fills FOV nicely. In a very star rich area is this noticeable void of stars. To the right is a 1/2 circle of stars. 3-5 stars seen in this void. Basically linear and fat on a 11 - 5 o'clock line.
B 055	C	08/01/08	23:26 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A long flowing complex of void with very few stars on this area. Stands out. NGC 6287 is a dim, uniformly lit globular on rhs of this complex which snakes to upper left for 2-3 FOVs. Hard to tell individual pieces but area definitely void of stars in a star rich area.
B 056	C	08/01/08	23:26 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A long flowing complex of void with very few stars on this area. Stands out. NGC 6287 is a dim, uniformly lit globular on rhs of this complex which snakes to upper left for 2-3 FOVs. Hard to tell individual pieces but area definitely void of stars in a star rich area.
B 057	C	08/01/08	23:26 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A long flowing complex of void with very few stars on this area. Stands out. NGC 6287 is a dim, uniformly lit globular on rhs of this complex which snakes to upper left for 2-3 FOVs. Hard to tell individual pieces but area definitely void of stars in a star rich area.
B 059	C	08/01/08	22:33 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	Can see it with my naked eye. In 20x80 binoculars, its approx 3 FOVs wide. Its thinner on lower rhs (B59, 65-7) and opens up to a larger, boxy area (B78), hence the name "Pipe Nebula". Definite void of stars is obvious in a very star rich area.
B 060	C	08/01/08	23:26 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A long flowing complex of void with very few stars on this area. Stands out. NGC 6287 is a dim, uniformly lit globular on rhs of this complex which snakes to upper left for 2-3 FOVs. Hard to tell individual pieces but area definitely void of stars in a star rich area
B 061	C	08/01/08	23:26 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. This one is subtle. Void area is small in FOV.
B 062	C	08/01/08	23:25 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small area void of stars. I star hopped to this and is not very obvious, but is there.

B 063	C	08/01/08	23:20 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	20x80 Binoculars. Long, slender void in a star rich area. Approx 3/4 FOV long and goes from 10 - 4 o'clock. Very bright field star to upper left end and outside the void area.
B 064	C	08/01/08	23:11 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Above M9 is a long, flat void that's easy to see. Few field stars on this void but its obvious. Fills FOV left to right of 19mm and then a bit more.
B 072	SP&C	08/01/08	23:05 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Very subtle. Star hopped to correct star field. Can see a curvy void of stars in a star rich area.
B 078	C	08/01/08	22:56 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	Can see it with my naked eye. In 20x80 binoculars, its approx 3 FOVs wide. Its thinner on lower rhs (B59, 65-7) and opens up to a larger, boxy area (B78), hence the name "Pipe Nebula". Definite void of stars is obvious in a very star rich area.
B 086	SP&C	07/30/08	22:08 MDT	Seeing Great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A dark "V" shaped void with 4 bright stars bounding it on left and couple on right. NGC 6520 open cluster is a bit to the right of it. 3 very faint field stars seen on void.
B 090	C	07/30/08	22:17 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. A dark, irregular patch bounded by 4 field stars of same brightness. Not quite a square configuration. It's a lopsided diamond. It's a noticeable void in a star rich area. Small in size.
B 092	C	08/01/08	22:44 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. B93 is a larger, boxy oval dark void in a very star rich area. 1 bright field star on middle rhs of void and a couple pretty faint field stars seen on void. B92 almost 1 FOV to right and is longer and thinner than B93. No stars seen on this void. 32mm shows the voids but not as good as the 19mm does.
B 093	C	08/01/08	22:44 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. B93 is a larger, boxy oval dark void in a very star rich area. 1 bright field star on middle rhs of void and a couple pretty faint field stars seen on void. B92 almost 1 FOV to right and is longer and thinner than B93. No stars seen on this void. 32mm shows the voids but not as good as the 19mm does.
B 110	C	08/01/08	23:47 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	20x80 Binoculars shows this complex bounded by a star rich Milky Way. There are several field stars in this void but they are few. 32mm. Pan around this area and can see pockets of complete voids because these field stars on overall void get a bit denser and bound these pockets which are easy to see.
B 111	C	08/01/08	23:47 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	20x80 Binoculars shows this complex bounded by a star rich Milky Way. There are several field stars in this void but they are few. 32mm. Pan around this area and can see pockets of complete voids because these field stars on overall void get a bit denser and bound these pockets which are easy to see.

B 142	C	07/31/08	01:27 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. B143 forms a "U" with prongs going up and rhs fatter than lhs. Not many stars on this void in star rich field. Its 3/4 FOV high and fills FOV nicely. B142 is to the right and 1/2 FOV away. It too is 3/4 FOV high and is fatter at top than at bottom. Very bright field star on bottom of B142. Very few field stars on either void and both are obvious.
B 143	C	07/31/08	01:27 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. B143 forms a "U" with prongs going up and rhs fatter than lhs. Not many stars on this void in star rich field. Its 3/4 FOV high and fills FOV nicely. B142 is to the right and 1/2 FOV away. It too is 3/4 FOV high and is fatter at top than at bottom. Very bright field star on bottom of B142. Very few field stars on either void and both are obvious.
B 171	C	08/01/08	1:06 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Approx. 2 FOVs in length and curves left and down as I pan the eyepiece across the area. There are a few stars on this obvious void of star in a star rich field.
B 173	C	08/01/08	1:06 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. This void is oval and approx. 1/2 FOV wide and 7/8 FOV long. Approx. 10 stars sprinkled on this void in a star rich field.
B 228	C	05/06/05	01:55 CDT	The sky was calm. Stars steady. But the dew was very heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	32mm. Approx 4 FOV long, this area is void of stars in a very star rich area. Makes a dog leg while going from left to right.
Cr 039 Mel 20	C	08/02/08	1:35 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	7x35 Binoculars. Lots of blue-white stars of approx 3 magnitudes around the area of Mirfak (Alpha Perseus). Fills center of FOV of binocs.
Cr 050 Mel 25	C	12/28/08	23:15 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	7x35 Binoculars - Lots of blue-white stars fill FOV of 7x35 binoculars. Composed of 3-4 magnitudes. 50+ stars makeup this OC. Pretty scattered. No central concentration.
Cr 069	C	01/01/06	21:06 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	32mm - 4 very bright blue-white stars and a nice row of 3 more fainter stars to the right of these. Few more yet fainter stars seem. About 30 stars of 4 magnitudes makeup this large, loose OC. I can see a glow of nebulosity around the 2 brightest stars. Classification III 2 p.
Cr 070	C	12/28/08	23:26 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	7x35 Binoculars - Lots of blue-white stars fills FOV. 3-4 magnitudes seen. One string of stars, of all the same magnitude, forms an 'S'.
Cr 399	C	05/06/05	01:47 CDT	The sky was calm. Stars steady. But the dew was very heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	Approx 10 stars of same magnitude, 6 of which form a line on NE almost equidistant. Except NW 2 and 4-6 more in the area are a bit dimmer.
IC 1396	C	10/11/07	02:04 MDT	Sky is Great. Seeing Great.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm - Small, roundish in shape, compact. 20+ faint stars seen on top of a glow. Class I 1 p maybe.
IC 4406	C	05/05/05	01:24 CDT	Sky is soft. Seeing OK. Dew VERY heavy. Temp 45 degrees	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	19mm - Small, round uniformly lit glow. Sometimes see central star with AV. w/OIII filter, central star easily seen. Glow easier to see though.

M 001 NGC 1952	C	10/24/06	00:24 MST	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Basically a large, oval glow, brighter in center and dims evenly to edges. Mottling texture seen on glow.
M 002 NGC 7089	SP&C	07/31/08	23:56 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Medium sized round glow with brighter central area that dims evenly to edge. Lots of member stars seen.
M 003 NGC 5272	SP&C	06/29/08	22:10 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Nice. Bright. Concentrated. 9mm Awesome view. Nicely fills FOV.
M 004 NGC 6121	SP&C	04/21/06	02:40 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x-First time this season. Nice.
M 005 NGC 5904	SP&C	06/29/08	22:13 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	9mm – Incredible view. Tonight likes this magnification.
M 006 NGC 6405	SP&C	06/29/08	23:25 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Fills FOV with lots of nice, bright, blue-white stars.
M 007 NGC 6475	SP&C	07/31/08	22:12 MDT	Seeing fair. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Large open cluster. Fills FOV nicely. 15-30 blue-white stars of approx same magnitude. Very nice. Can see this also in 8x50 finder.
M 008 NGC 6523	SP&C	06/29/08	23:30 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Nice. Lots of nebulosity and dark lanes. NGC open cluster next to it on right.
M 009 NGC 6333	C	06/29/08	23:15 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Small, compact. Dimmer. Member stars not easily seen.
M 010 NGC 6254	SP&C	07/30/08	22:38 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Brighter globular. Sort of diffused with hare brighter core and lots of member stars seen. 9mm shows it nicely also.
M 011 NGC 6705	SP&C	08/01/08	23:42 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Fills center of FOV with lots of blue-white stars of approx same magnitude. Roughly circular in shape. 1 very bright field star in amongst them.
M 012 NGC 6218	C	07/30/08	22:53 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Dimmer than M10 with hare brighter core. Bit dispersed. 3 bright field stars bounds it. 1 on right and 2 on bottom. Member stars easily seen.
M 013 NGC 6205	SP&C	04/21/06	02:30 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x-My all time favorite. Just incredible.
M 014 NGC 6402	C	07/30/08	22:34 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Dimmer, uniformly lit circular glow with member stars seen.
M 015 NGC 7078	SP&C	08/01/08	00:03 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice, bright, round Globular. Tiny bright core that has a bit dimmer halo of stars around it. Tons of member stars seen.
M 016 NGC 6611 IC 4703	C	08/01/08	22:50 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Lots of blue-white stars of 3 magnitudes make a box around a long thing nebulosity. Many of the stars for a wide "U" with nebulosity down the middle of the "U". Nebulosity responds well to O3 and UHC filters. In O3, nebulosity is long and thin and curved.

M 017 NGC 6618	SP&C	08/01/08	22:29 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Nebulosity glow that responds well to O3 filter. Tail feathers form an arc behind it that is only seen with O3 filter.
M 018 NGC 6613	C	08/01/08	22:34 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Tight compact cluster of 18 brighter blue-white stars. Its tall, thin and boxy in shape with a few dimmer stars underneath these brighter ones.
M 019 NGC 6273	SP&C	06/29/08	23:17 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Small. Compact. Member stars seen.
M 020 NGC 6514	C	06/29/08	23:30 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Nice. Round nebulosity and dust lanes trisecting it. More fainter nebulosity below it.
M 022 NGC 6656	SP&C	09/02/05	21:53 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, bright, round OC.
M 023 NGC 6494	SP&C	06/29/08	23:33 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Lots of blue-white stars fills FOV with nice, tight basically circular grouping of stars.
M 024	SP&C	08/01/08	22:41 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Tons of stars seen in this area that is approx 2 1/2 FOVs long and 1 1/2 FOVs high. The concentration of stars significantly increases in this region of the sky. Nice.
M 025 IC 4725	SP&C	08/01/08	22:25 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Fills FOV nicely with this loose association of bright blue-white stars of approx. 3 magnitudes.
M 026 NGC 6694	C	08/01/08	23:39 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, compact cluster of 15+ blue-white stars of approx 3-4 magnitudes.
M 027 NGC 6853	C	10/10/07	20:11 MDT	Sky is Great. Seeing Great.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm – Shows it as an eye shaped with center much darker and has a bowtie, hourglass shape, look. The edges off left and right dim out to edge. OIII shows it better and UHC shows it like w/o OIII filter. Nice view. No central star seen.
M 028 NGC 6626	SP&C	08/01/08	22:20 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, compact with relatively brighter core area that dims quickly into halo. Member stars easily seen.
M 029 NGC 6913	SP&C	08/02/08	2:51 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Compact. Boxy shaped. 8 bright blue-white stars sits on a few more fainter ones in a star rich field.
M 030 NGC 7099	SP&C	07/31/08	23:47 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Large, very dim halo with small, very bright core area. Many stars seen in core area and its lopsided (not symmetric) towards bottom where 3 lines of stars radiate out of central core and down into this area.
M 031 NGC 224	SP&C	10/24/06	20:30 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	This is a great view, as always. Nice combination of the 3 showcase objects. One of my favorites.
M 032 NGC 221	C	10/24/06	20:35 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	This is a great view, as always. Nice combination of the 3 showcase objects. One of my favorites.

M 034 NGC 1039	C	08/02/08	2:16 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. 30+ blue-white stars of approx 3 magnitudes make up this loose, yet boxy shaped open cluster.
M 035 NGC 2168	SP&C	02/20/08	21:22 MST	The sky is steady and the seeing is OK	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	32mm - Overwhelms FOV. Probably has over 120 members. 8-10 are a little redder stars embedded in cluster. Varying magnitudes of blue stars compose rest of cluster.
M 036 NGC 1960	SP&C	01/01/06	20:24 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	32mm - 10-20 stars of approx. same magnitude. Rest of stars are dimmer compared to these.
M 037 NGC 2099	SP&C	01/01/06	20:26 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	32mm - Tight cluster in finder. Embedded in a star rich field. Many blue stars. 1 red (field star?) appears in middle of cluster.
M 038 NGC 1912	SP&C	01/01/06	20:22 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	64x - Nice. Lots of stars seen in basically a circular pattern. 50+ stars of a brighter magnitude and many more of lesser magnitudes seen. Classification I 2 r.
M 039 NGC 7092	SP&C	08/02/08	3:02 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Nice. 25 or so bright blue-white stars that form a wedge that fills entire FOV. Many bit fainter stars amongst these seen. Stands out in finder scope also.
M 041 NGC 2287	SP&C	02/20/07	18:45 MST	Sky is steady. Seeing is Good. Transparency is Good.	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	134x - Nice. Fills all FOV. 50+ bright Blue-white stars of approx 4 magnitudes. Loose. Circular. Many stars form lines with 3-5 stars in lines near the top edge of the cluster.
M 042 NGC 1976	SP&C	04/20/06	20:45 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Low on the southwestern horizon. Nice as always. Gas sweeping everywhere. I look at this one everytime I go out and its up.
M 043 NGC 1982	C	02/08/08	20:59 MST	Wind from north. Sky soft low in south where I am observing.	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	134x - Very faint. To the 'open side' of M42. Has central star illuminating dim, round nebulosity. Seems to be divided into 3 sections by dust lanes.
M 044 NGC 2632	SP&C	02/21/06	00:18 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm. Best seen in 8x50 finder scope. Fills 2 FOVs of 32 mm eyepiece. Some stars very bright, blue-white and others much dimmer. Concentrated, yet not strongly. Class II 2 m.
M 045 Mel 22	SP&C	11/02/07	19:50 MDT	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	Nice, bright, blue-white stars dominate this open cluster. I have watch the Moon on several occasions occlt the star of this cluster.
M 046	SP&C	02/24/09	20:15 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Fills FOV completely with lots of bright, blue-white stars. Planetary nebula in cluster in lower part. 32mm shows it nicely also.
M 047 NGC 2422	SP&C	02/20/06	23:19 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm. Nice, large Bright OC. Lots of stars seen with all kinds of magnitudes. Basically round in shape. Class I 3 r. Nice. Nicely fills FOV of 32mm Eyepiece.
M 048 NGC 2548	SP&C	02/21/06	00:05 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm. Nice. Fills whole FOV of eyepiece. Many bright, blue-white stars that form lines. The upper rhs is 2 lines that form a V. 2-3 magnitudes form this OC. Somewhat concentrated with stars streaming off right side. Class I 2 m.

M 049 NGC 4472	SP&C	03/17/07	2:22 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, round halo glow with brighter core. Bright field star at 4 o'clock of it and on glow.
M 050 NGC 2323	SP&C	02/20/07	18:58 MST	Sky is steady. Seeing is Good. Transparency is Good.	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	134x - Nice. Compact. Many stars of several magnitudes makeup this OC. Several bright blue-white stars seen and them dimmer sets of stars. Sort of boxy. Many brighter stars from chains. An orange star on top, center of OC.
M 051 NGC 5194	SP&C	04/21/06	01:00 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice. Some spiral arm structure visible, but not as good as I have seen it before.
M 052 NGC 7654	SP&C	08/01/08	1:32 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Compact but boxy shaped open cluster. 30+ dimmer blue-white stars approx. same magnitude with 1 very bright field star to lower left of open cluster and on it.
M 053 NGC 5024	SP&C	05/06/05	22:27 MDT	Seeing good, Sky steady. Very Clear.	TSP 2005 - Ft Davis, TX	12.5" f/8 Newtonian	134x - M53 is a bright, small and round. Brighter nucleus seen. May member stars seen.
M 055 NGC 6809	C	07/31/08	23:50 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Large, circular shaped concentration of stars. Tons of member stars seen. Most of it is uniformly lit. No central core concentration.
M 056 NGC 6779	C	07/30/08	21:33 MDT	Seeing Great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small round globular with many member stars seen. Pretty uniformly lit. No noticeable central brightening in eyepiece.
M 057 NGC 6720	SP&C	09/30/05	21:32 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 19mm. Nice, bright fat oval with a glow across the center of the oval. Easy to see. O3 gives a better view. 10mm. Seeing not good tonight so more power doesn't give a better view. O3 still makes it better. Central star not seen.
M 058 NGC 4579	C	03/17/07	2:52 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice.
M 059 NGC 4621	C	03/17/07	2:40 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Large tilted oval with nice bright, large core.
M 060 NGC 4649	C	03/17/07	2:40 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, round glow with large, bright nucleus.
M 061 NGC 4303	SP&C	03/17/07	1:46 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, large round glow with tiny bright core.
M 062 NGC 6266	SP&C	06/29/08	23:21 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - Larger nucleus that dims slowly into a large, circular glow. Hint of member stars seen.

M 063 NGC 5055	C	06/29/08	23:00 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Large tilted oval. Dim halo glow with large, uniformly lit nucleus which is brighter than halo.
M 064 NGC 4826	SP&C	04/22/09	00:35 MDT	Seeing good. Transparency good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Tilted oval with very bright small core and circular (arc) dust lane seen on bottom left of brighter central core. Halo extends quite a bit from center. Nice
M 065 NGC 3623	SP&C	04/01/05	21:55 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - One large bright oval shaped and the other is much dimmer, slender edge on long sliver of light. Has a hint of a dust lane down the center of it. The nucleus is a hare brighter along the center axis. Its approx 1/3 FOV long. M66 is a nice oval, tilted galaxy with a bright nucleus glow in the center of the oval.
M 066 NGC 3627	SP&C	04/01/05	21:55 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - One large bright oval shaped and the other is much dimmer, slender edge on long sliver of light. Has a hint of a dust lane down the center of it. The nucleus is a hare brighter along the center axis. Its approx 1/3 FOV long. M66 is a nice oval, tilted galaxy with a bright nucleus glow in the center of the oval.
M 067 NGC 2682	SP&C	02/21/06	00:11 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	80x - Nice tight grouping of stars. Boxy, not round. Composed of bright blue-white stars and much dimmer other ones. Very bright field star to lower left but on stars of cluster. Nicely fills center of FOV. Class I 3 m.
M 068 NGC 4590	C	03/17/07	1:07 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice galaxy.
M 071 NGC 6838	SP&C	07/31/08	01:35 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim, tight grouping of stars in a very star right field.
M 072 NGC 6981	C	07/31/08	23:38 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, round, larger uniformly lit core with dimmer stars in halo. Member stars easily seen though. Pretty dim.
M 074 NGC 628	C	08/02/08	2:37 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim round glow with hare brighter core area.
M 076 NGC 650-1	SP&C	11/02/07	22:57 MDT	Seeing Ok. Transparency OK.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - An hour glass shape on its side with lhs lobe brighter than rhs one. w/ OIII, see a "star" in lhs brighter lobe. Easy to see with and without OIII filter.
M 077 NGC 1068	C	12/28/08	19:02 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Bright round halo glow with very bright extended core.
M 078 NGC 2068	C	12/28/08	23:30 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A nice fan shaped nebula glow with 2 field stars on this glow of the same magnitude.
M 079 NGC 1904	C	12/28/08	21:27 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Bright. Easy to see lots of member stars.
M 080 NGC 6093	SP&C	08/01/08	21:40 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Smaller Globular Cluster. Bright, small core and relatively larger extended halo of stars.
M 081 NGC 3031	SP&C	02/08/08	20:47 MST	Wind from north. Sky soft low in south.	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	32mm - Oval, bright nucleus. Diffused halo. 19mm shows oval shaped, nucleus dominate over diffused halo. Fills FOV end-to-end at this power.

M 082 NGC 3034	SP&C	02/08/08	20:49 MST	Wind from north. Sky soft low in south.	DAS Dark Sky Site near Deer Trail, CO. Suffers from some light pollution.	12.5" f/8 Newtonian	32mm - Linear chaped (cigar) w/AV saw a dust lane going horizontally. At 19mm, could see 2 vertical dust lanes w/AV.
M 083 NGC 5236	SP&C	03/17/07	1:07 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, large tilted oval with small, circular bright core and lots of extended halo seen.
M 084 NGC 4374	SP&C	03/18/07	1:30 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - More oval shaped with nice bright core. In same FOV as M86.
M 085 NGC 4382	SP&C	03/17/07	4:35 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, Bright. Easy to see.
M 086 NGC 4406	SP&C	03/18/07	1:30 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, round, bright. Has nice large bright core. In same FOV as M84.
M 087 NGC 4486	SP&C	03/18/07	1:33 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, tilted oval halo glow with larger, brighter core.
M 088 NGC 4501	SP&C	03/18/07	1:40 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, large oval halo glow with nice, large, bright core.
M 089 NGC 4552	C	03/17/07	3:02 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice bright round glow with small, bright core.
M 090 NGC 4569	SP&C	03/17/07	3:02 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice. Long linear glow with brighter central region.
M 091 NGC 4548	C	03/18/07	1:40 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round glow with tiny, bright core.
M 092 NGC 6341	SP&C	07/31/08	00:00 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, compact, bright. Brighter core area and lots of member stars seen. 9mm view is just awesome.
M 093 NGC 2447	SP&C	02/24/09	20:11 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice, tight grouping of approx 30 blue-white stars of about 3 magnitudes. Nice.
M 094 NGC 4736	C	04/22/09	01:17 MDT	Seeing good. Transparency good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Large, oval glow with very bright small core seen in center of oval halo glow. Very bright overall.
M 095 NGC 3351	SP&C	04/09/10	12:52 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice, bright, small oval with larger, dim core.

M 096 NGC 3368	SP&C	04/09/10	12:52 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice, bright, small oval with larger, dim core.
M 097 NGC 3587	C	02/26/06	00:06 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. Nice, larger round glow. Not uniformly lit. Can see it well with OIII but best view is without filter. No central star seen. Edges soft, not sharply defined. Can't see clearly the 'eyes' but can tell nebulosity. Not uniformly like and has darker regions on glow.
M 098 NGC 4192	SP&C	03/18/07	1:22 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, long, edge on with nice central glow and bulge and dims into long extended arms.
M 099 NGC 4254	SP&C	03/17/07	3:39 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Large, round uniformly lit glow.
M 100 NGC 4321	SP&C	03/17/07	3:56 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - In same FOV and to left of NGC 4312 is this NICE, large bright oval halo glow with small, round brighter core.
M 101 NGC 5457	SP&C	08/01/08	00:32 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nicely fills FOV. Very dim overall. Has a hare brighter, small round core and hint of spiral structure seen.
M 102? NGC 5866	C	08/01/08	00:28 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Bright saucer shaped with tips on each end of very bright core, which is most of what can see, with tiny bit of dim halo around it.
M 103 NGC 581	SP&C	01/01/06	19:47 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	Small arrow headed shape. 1 bright blue-white star at tip of NGC 581 arrow. 4 lesser magnitude stars and 15+ more a whole lot fainter. Best view at 64x. Classification I 2 p.
M 104 NGC 4594	SP&C	03/16/07	23:47 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice and bright. Halo glow extends a lot.
M 105 NGC 3379	SP&C	3/12/2010	11:20 PM	Seeing OK. Transparency OK. Sky steady.	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Bright, tilted oval with larger, brighter core.
M 106 NGC 4258	SP&C	03/17/07	23:32 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice. Bright tilted oval with nice bright small core.
M 107 NGC 6171	C	07/31/08	22:10 MDT	Seeing fair. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dimmer, round, uniformly lit globular with lots of member stars seen.
M 108 NGC 3556	C	06/29/08	22:48 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Nice long, linear shaped bright galaxy with nice bright core.
M 109 NGC 3992	C	06/29/08	22:50 MDT	Great seeing. Sky steady. Transparency good.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm – Nice fat, dim oval halo glow with hare brighter nucleus. Dim field star above nucleus and on halo glow.

M 110 NGC 205	SP&C	10/24/06	20:32 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm - Dim, round, uniformly lit glow. Could not see any brighter nucleus region.
Mel 015	C	08/01/08	1:27 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Loose open cluster with 8 brighter stars with a few fainter ones underneath these.
Mel 071	C	02/20/06	23:28 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm. Nice, round glow of lots of fainter stars. Nicely fills center of FOV of eyepiece. 19mm. Nice. 50+ stars of many magnitudes makeup this fainter, yet easy to see the stars of this OC. There is a triangle of brighter blue-wits stars at the top. Class I 2 m.
Mel 111	SP&C	04/21/06	00:25 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	10x50 Binoculars	I looked at this with my 10x50 binoculars while trying to locate NGC 4565. Nice, lots of bright, blue-white stars.
NGC 0024	C	09/19/06	23:18 MDT	Wind is from the NE now. Sky softening. Transparency still good.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – 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 0040	C	11/02/07	21:45 MDT	Seeing soft. Transparency OK.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - Medium sized, easy to see glow with very bright central star seen. OIII doesn't give as good of a view as without. The halo around the central star is dim, yet there. Its round.
NGC 0055	C	10/27/08	22:40 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Large, dim, tilted oval. Large, uniformly lit core area surrounded by very dim halo. Goes from 8:30 to 2:30 o'clock in FOV. Approx 1 FOV long. Nice. Very low in south.
NGC 0128	C	12/28/08	18:41 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Very small round dim halo glow with tiny star like nucleus seen in center.
NGC 0134	C	10/27/08	22:29 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice edge on. Nice central bulge that tapers into thin arms. Small. Looks like a dust lane bisects it just below center. Faint field star below it. Goes from 10 to 4 o'clock in FOV.
NGC 0246	C	10/01/05	01:14 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very faint. Found it with O3 filter in place. O3 gives best view of it. Round with 4 stars on the glow, one of them right in the middle. This is probably the central star of PN. This star is bright without the O3 filter. Can see the contrast of the glow, but very hard to see without O3 filter. Clicking O3 in and out can tell which star of 4 seen on glow is the central star.
NGC 0247	C	10/27/08	22:00 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A long, slender, faint, uniformly lit glow that goes up and down in the FOV and approx 1 FOV long. Field star seen on halo glow.
NGC 0253	SP&C	10/03/08	00:38 CDT	Seeing good, Sky steady.	Okie-Tex Star Party - Kenton, OK	8" f/6 Newtonian	19mm – Nice tilted oval. Bright. Fills ½ FOV. Goes from 11 – 5 o'clock. Pretty flat. Can see mottling near center for dust lanes.
		10/27/08	22:04 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Bright. Tilted oval approx 1 ½ FOVs long. Goes from 10 to 4 o'clock. Large, bright core with mottling of dust lanes seen on core. Dims slowly into tapered halo arms. I like this one.

NGC 0278	C	08/01/08	1:45 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim round uniformly lit glow, yet easy to see.
NGC 0288	C	10/03/08	00:45 CDT	Seeing good, Sky steady.	Okie-Tex Star Party - Kenton, OK	8" f/6 Netwonian	19mm – Small, dim, uniformly lit round glow with lots of member stars seen on glow. Nice.
		10/27/08	22:11 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Large globular. Circular. Lots of member stars seen on glow of globular.
NGC 0457	C	09/30/06	23:27 MDT	Seeing softened a bit of dew was present. The sky was steady all night though.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – 30-40 brighter blue-white stars with 1 real bright one at the top and rest dimmer with 2-3 magnitudes. A red colored star on rhs of this nice OC. Fills FOV of 19mm nicely. Pretty compact. Basically round in shape. Lots of dimmer stars seen underneath these brighter stars.
NGC 0488	C	12/28/08	18:26 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Small round glow with much brighter core area that dims slowly into halo.
NGC 0524	C	12/28/08	18:30 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Brighter circular halo glow with very bright core area seen. Core dims evenly into halo glow.
NGC 0578	C	10/27/08	22:11 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim, flat oval. Uniformly lit glow. Not much to it. Pretty faint.
NGC 0613	C	10/27/08	22:16 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice tilted oval with larger, brighter core with faint tapered arms that dims quickly at ends of core area. Goes from 1 to 7 o'clock. Nice. Easy to see.
NGC 0654	C	08/01/08	1:15 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Small, wedge shaped. 15-20 brighter blue-white stars seen. Compact. Very bright field star to upper left of cluster.
NGC 0663	C	08/01/08	1:15 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Near NGC 654. Fairly compact. 2 magnitudes of 20-30 or so stars sits on top of a few very dim ones. Seen also in 8x50 finder FOV.
NGC 0672	C	10/23/06	20:29 MDT	Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Larger, long flat oval. Pretty uniformly lit. Easy to see with DV. Goes from 2 to 8 o'clock in FOV.
NGC 0740	C	08/01/08	1:55 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small dim uniformly lit oval.
NGC 0752	C	08/01/08	1:51 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Very large. 2 FOVs in diameter. Very loose yet all the brighter blue-white stars of approx same magnitude all belong to this open cluster. Lots of stars seen.
NGC 0779	C	12/28/08	18:46 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round, dim halo glow with larger, brighter core seen in center.
NGC 0869	SP&C	08/01/08	1:29 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Both in same FOV. NGC 869 more compact and smaller with 2 very bright field stars on rest of them. NGC 884 much looser and open and bigger. Nice. In a star rich part of the sky.
NGC 0884	SP&C	08/01/08	1:29 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Both in same FOV. NGC 869 more compact and smaller with 2 very bright field stars on rest of them. NGC 884 much looser and open and bigger. Nice. In a star rich part of the sky.

NGC 0891	C	08/02/08	2:14 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Dim. Nice edge on that tapers to nothing. Dust lane seen bisecting center of galaxy.
NGC 0972	C	08/02/08	1:42 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, oval glow with larger, hare brighter core seen.
NGC 1087	C	12/28/08	19:09 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim circular glow with hare brighter core seen on glow.
NGC 1097	C	12/28/08	20:26 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice, large tilted oval that goes from 2-8 o'clock. Large, bright core and dim extended halo seen.
NGC 1187	C	10/23/06	23:43 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Large, faint oval glow with hint of a hare brighter, large core area in center of glow. Seen with DV.
NGC 1232	C	01/16/09	18:43 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	Larger round glow with large, bit brighter nucleus area. Pretty dim overall yet easy to spot in FOV.
NGC 1245	C	08/02/08	2:20 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Dim yet easy to see. Lots of dim stars in a tight, roughly circular grouping. Most of approx same faint magnitude with a few brighter ones on top of these fainter ones.
NGC 1300	C	01/16/09	18:45 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, vertical thin sliver of light. Pretty faint. In center of halo glow, w/AV, see larger, bit brighter core. Then below core glow and on halo glow is a very faint field star that makes it look like it has 2 cores.
NGC 1316	C	01/16/09	19:42 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim, oval maybe circular glow. Central part bit brighter and hint of halo around it. Pretty dim and low in south so hard to see its exact shape.
NGC 1332	C	10/01/06	3:51 MDT	Seeing softened a bit of dew was present. The sky was steady all night though.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – 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 1350	C	01/16/09	19:11 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice, tilted oval with larger, brighter core surrounded by dim, yet easy to see halo glow. Tilt is 10 - 4 o'clock. Easy to see in FOV.
NGC 1360	SP&C	02/25/06	19:19 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. Low in SW with some sky glow there. See larger, faint oval glow with central star easily seen. With OIII, see oval glow better.
NGC 1365	C	01/16/09	19:38 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, round, pretty dim, uniformly lit glow.
NGC 1380	C	01/16/09	19:11 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice tilted oval with larger, brighter core and tiny bit of halo around it.

NGC 1398	C	01/16/09	18:55 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, round bright galaxy with bit brighter, large core area. Very easy to see. Maybe an extended halo surrounds this bright galaxy. Looking again, see it's a tilted oval from 11 – 5 o'clock in FOV. What was described above is brighter central part and can see faint halo arms above and below central glow as it tapers off.
NGC 1406	C	01/16/09	19:07 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A very faint, thin sliver of light. Goes from 11 – 5 o'clock and is small. Uniformly lit. See no contrast in glow.
NGC 1421	C	10/24/06	00:03 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – See with DV. Long, thin, well defined sliver of uniformly lit light.
NGC 1425	C	01/16/09	19:01 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A faint, fat oval glow with central core a linear glow and easy to see on halo glow. Central bar goes from 8 – 2 o'clock.
NGC 1501	C	11/02/07	21:30 MDT	Seeing soft. Transparency OK.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - Medium sized round uniformly lit glow. Easy to see without OIII. OIII shows it nicely. No central star seen.
NGC 1502	C	10/11/07	22:54 MDT	Seeing good, Sky steady. Very Clear.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm – Small. Nice. Saw it in 7x50 finder scope. 50+ stars of approx 4 magnitudes seen. The striking thing about this OC is the two lines of stars in middle of it with 2 very bright ones in middle of line, one in each line. Above and below line, dim stars trail off in curvy lines. Very bright star at lower left that is same magnitude as 2 stars in the line. Its all pretty together and 2 lines of stars stands out. Class I 2 m.
NGC 1532	C	02/03/05	00:03 MST	Seeing Ok. Transparency OK.	John Martin State Park. SE, Colorado. Skies Moderately Dark.	12.5" f/8 Newtonian	19mm - There are 3 galaxies in the FOV. 1537 is a small, round and very dim galaxy. 1531 is very small and just a dim glow. 1532 is the biggest and brightest of the 3. All 3 have a hint of a nucleus.
NGC 1535	SP&C	02/24/06	21:27 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. 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 1792	C	12/28/08	21:39 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Faint, uniformly lit oval glow. Goes from 1-7 o'clock in FOV. It's a long, slender sliver of light.
NGC 1808	C	12/28/08	21:34 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Tilted oval. Goes from 1-7 o'clock. Larger, brighter core in center and tapered halo arms.
NGC 1857	C	02/24/09	20:46 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small, loose. 30-40 fainter stars of approx same magnitude are around a much brighter field star near center of cluster. 5 dimmer, yet much brighter than fainter stars also on stars of this cluster.
NGC 1907	C	01/16/09	20:05 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – M38 is nice. Then above M38 about 1 19mm FOV is this tiny, compact grouping of 10-12 faint, blue-white stars all of the same magnitude. Stands out in FOV as a cluster.
NGC 1964	C	12/28/08	21:24 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Dim, tilted oval with small, brighter core and extended halo arms. Goes from 10-4 o'clock in FOV.
NGC 1980	C	12/28/08	23:29 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A bright, blue-white stars lights up a noticeable glow around this star.

NGC 1981	C	01/01/06	21:36 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	64x - 14 bright, blue-white stars. Very open. Approx 3 magnitudes makeup this OC. Classification III 1 p.
NGC 2017	C	12/28/08	21:19 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - 4 bright stars and 2 fainter ones light up a nebulous glow that is around the stars and in between them. Very obvious.
NGC 2024	C	12/28/08	23:23 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Flame Nebula. Fills FOV nicely. See lots of dust lanes bisecting the nebulosity glow of this object.
NGC 2129	C	02/24/09	18:40 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Easy to see. Basically circular in shape with brighter star to upper right of center of cluster. 20-25 stars of approx 4 magnitudes. Somewhat concentrated.
NGC 2244	C	01/01/06	21:54 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	64x - 7 bright, blue-white stars of same magnitude and 7 more of a lesser magnitude and 15+ more of yet a fainter magnitude. Its boxy in shape. Classification III 3 p.
NGC 2264	C	12/28/08	23:40 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm - Nice. Looks like a tree with bright field star on bottom which is wider and then as it tapers off to upper right, it comes to a point. 40-50 stars of approx 3 magnitudes makeup this OC.
NGC 2266	C	02/24/09	18:49 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A brighter star at top with 2 dimmer ones then 4 much dimmer form a line that bounds the upper part of this. Very dim. 20 or so stars form a tight grouping, roughly circular cluster. Nice. Stands out in FOV.
NGC 2301	C	02/24/09	19:09 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. A chevron shaped cluster with brighter stars forming chevron. Chevron points at 2 o'clock. Other dimmer stars fills in behind chevron. 40-50 stars of many magnitudes with 1 star a bit redder right in center with rest very blue-white in color.
NGC 2362	SP&C	10/24/06	3:05 MDT	Its 23 degrees now. Sky is still great. It's a perfect night.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – 28-30 stars of approx the same magnitude makeup this downward facing triangle shaped OC with a very bright field star right in the middle of the triangular delta shape. The base of the triangle is on the top and it points down.
NGC 2392	SP&C	01/01/06	22:10 MST	The sky is steady and the seeing is OK	Kim's Place, east of Longmont on CR22	12.5" f/8 Newtonian	121x - Small, round glow with central star easily seen in center with AV but can be seen with direct vision. OIII filter shows circular glow but central stars harder to see. Best view is without the filter. 64x gives a nice view of this object also, but smaller.
NGC 2403	C	04/22/09	00:17 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Brighter, long oval. Uniformly lit. Pretty large. Easy to see. 3 field stars on rhs form a line with bottom field star on bottom part of halo glow of galaxy.
NGC 2438	C	02/24/06	23:19 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - Nice, small round uniformly lit glow. Easier to see with OIII. No central star seen.
NGC 2440	C	02/25/06	21:56 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. Small, yet very bright glow. Very oval, linear with a hint of fainter nebulosity up and down from brighter central glow. w/OIII see it better and the hint of the extended glow. No central star seen. Easy to spot in the FOV.

NGC 2451	C	02/24/09	20:33 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm – Overwhelms FOV at this power. 10-20 blue-white stars of 4 magnitudes with 1 off-white, brighter star in middle. Very loose. No concentration. But blue-white stars stands out in star poor field.
NGC 2452	C	02/25/06	22:17 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. Best with OIII. Very small, dim round glow. Central star seen sometimes with AV. w/o OIII, see a hint of a glow in a star rich area of the winter Milky Way. w/o OIII, see central star in the middle of this glow.
NGC 2477	C	02/24/09	20:36 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm – Nice. Lots of fainter blue-white stars forms a tight circular shaped open cluster. To lower right at 45 degrees is a string of 8 stars that forms a nice line. 9mm fills FOV nicely. Cool object.
NGC 2539	C	02/24/09	20:20 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Small compact. 50 stars of 4 magnitudes with 4th being very faint. To lower left of a very bright field star. Roughly circular in shape.
NGC 2610	C	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	19mm. 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 2613	C	02/24/09	20:28 MST	Seeing Ok. Transparency OK.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A longer, slender sliver of light with larger, bit brighter core area. Goes from 8:30 – 2:30 o'clock. Core tapers into very dim halo arms. Pretty dim yet easy to see.
NGC 2654	C	04/08/10	10:09 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice. Small edge on. Central bulge seen. Core area hare brighter than extended arms.
NGC 2681	C	04/09/10	12:03 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice. Very bright core surrounded by an oval of very dim halo.
NGC 2683	C	04/21/09	21:36 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Bright, long slender. Bright. Maybe tapered cigar shaped. Pretty uniformly lit yet at each end hint of dim halo that is just at the tips. Eye wants to see a dust lane bisecting the center of the linear glow.
NGC 2768	C	04/08/10	10:13 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice. Bright tilted oval. Halo bright and large, much brighter core.
NGC 2775	C	04/21/09	21:23 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Brighter, round shape with large bright core surrounded by dim, yet easy to see halo.
NGC 2784	C	04/21/09	20:55 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Long, slender galaxy from 10 - 4 o'clock in FOV. Much brighter central core with dim bulge glow around core and faint arms that taper off this central glow on each side.
NGC 2787	C	04/08/10	10:13 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A nice, bright, round uniformly lit glow. Below glow and to left and near it is a very faint field star.

NGC 2835	C	04/21/09	21:00 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Round, very dim, uniformly lit glow. Fairly large in size yet dim.
NGC 2841	C	04/09/10	12:10 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A long, slender tilted oval with larger, dim central core and uniformly lit halo around it. Goes from 12 – 6 o'clock in FOV and a very bright field star on upper edge, but on halo glow of galaxy.
NGC 2903	C	04/21/09	22:25 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Very large, tilted oval with easy to see bright halo glow with small, bit brighter core seen in center of halo glow.
NGC 2985	C	04/08/10	10:20 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice large bright core with circular halo around it that dims slowly to edge.
NGC 2997	C	04/21/09	21:07 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Round, large circular face on galaxy. Very dim with bit brighter, larger core seen in center. Dim halo glow not uniformly lit but a bit mottled in appearance. Pretty dim overall. Mottling may be a hint of spiral arms.
NGC 3003	C	04/21/09	21:54 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Long. Slender, dim, uniformly lit glow.
NGC 3077	C	04/22/09	00:30 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A small round glow with much brighter central region and a tiny bit of very dim halo glow around this larger center, brighter, uniformly lit central area.
NGC 3079	C	04/08/10	10:56 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A long slender uniformly lit dim glow. Easy to see. Doesn't taper at each end but is boxy at ends.
NGC 3115	C	05/10/10	9:59 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice edge on with brighter core and dim halo arms that taper off core. Goes from 12:30 – 6:30 o'clock in FOV. 13mm shows it nicely. Can see more halo around core and now looks like a tilted oval.
NGC 3147	C	04/08/10	10:20 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A dimmer version of 2985 except halo is uniformly lit. Core is dimmer than 2985, yet large and relatively brighter than halo.
NGC 3175	C	04/21/09	21:14 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Long, slender cigar shaped, uniformly lit galaxy. Goes from 11 - 5 o'clock in FOV. Very dim.
NGC 3184	C	03/12/10	20:24 MST	Seeing OK. Transparency OK. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A large, round, dim, uniformly lit glow.
NGC 3190	C	04/21/09	22:12 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - 4 galaxies in FOV. 3190 is a nice, tapered edge on with brighter central bulge area and dimmer tapered arms.
NGC 3198	C	03/12/10	20:24 MST	Seeing OK. Transparency OK. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – A longer, slender, dim, uniformly lit glow. Easy to see. Maybe a hint of a larger, round core in center of glow making this a very tilted oval.
NGC 3242	SP&C	03/18/07	1:59 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nice, large, opaque round grayish glow. Bright. No central star seen. O3 filter doesn't show it any better or worse.
NGC 3245	C	04/21/09	22:03 MDT	Seeing Great. Transparency Awesome. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round, maybe slight oval with very bright, larger core area with bit dimmer halo around this central core.

NGC 3377	C	04/09/10	12:59 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Small oval with brighter core and dim halo around it.
NGC 3384	C	3/12/2010	11:20 PM	Seeing OK. Transparency OK. Sky steady.	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – This is smaller than M105 yet a bright tilted oval with a large, bright core.
NGC 3412	C	04/09/10	12:55 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Small oval with brighter core and dim halo around it.
NGC 3432	C	04/08/10	9:21 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Brighter, slender glow. Bright linear core with dim halo around it. Goes from 9:30 – 3:30 o'clock in FOV. Fairly large. 3 field stars on glow. Nice.
NGC 3489	C	04/09/10	12:36 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice, bright, tilted oval with larger, bright core that dims quickly into dim halo surrounding it.
NGC 3511	C	05/11/10	11:30 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long slender dim uniformly lit glow.
NGC 3521	SP&C	04/09/10	12:25 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice, large, tilted oval with large, very bright core and lots of dim halo around it. Goes from 8:30 – 2:30 o'clock in FOV.
NGC 3585	C	03/12/07	00:54 MST	The sky held to be incredible from about 10 PM on and its now 32 degrees.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Round. Bright. Relatively brighter core that dims slowly into halo glow.
NGC 3593	C	04/09/10	12:30 AM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice edge on with large central bulge with relatively dim central region and arms that taper off each side. It goes up and down in FOV.
NGC 3621	C	05/10/10	10:58 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Larger, dim, uniformly lit, cigar shaped glow.
NGC 3628	C	04/01/05	21:55 MDT	The sky is clear and somewhat steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	One large bright oval shaped and the other is much M65 dimmer, slender edge on long sliver of light. Has a hint of a M66 dust lane down the center of it. The nucleus is a hare brighter along the center axis. Its approx 1/3 FOV long. M66 is a nice oval, tilted galaxy with a bright nucleus glow in the center of the oval.
NGC 3631	C	05/12/10	10:10 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger circular dim halo glow. Core small in center of dim halo glow and seems to have 3 separate parts. It looked the same in Mike Roos's scope.
NGC 3672	C	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.
NGC 3675	C	05/12/10	10:45 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger tilted oval. Easy to see. Has small bright core in center of dim halo glow. Almost vertical in FOV. 12:30 – 6:30 o'clock. Field star at lower end of galaxy.
NGC 3705	C	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 3717	C	05/11/10	11:36 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long slender dim glow. Almost vertical in FOV. Can see tiny, relatively brighter core in center and on lower left part of halo glow is a relatively bright field star.
NGC 3726	C	05/12/10	10:41 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger longer oval. Pretty uniformly lit. Maybe a hint of something brighter at core. Goes from 1 – 7 o'clock in FOV. Brighter field star at upper right edge of halo glow.
NGC 3877	C	05/12/10	10:35 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A small round galaxy with center the brightest and dims evenly to edge.
NGC 3887	C	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.
NGC 3904	C	05/10/10	11:01 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round dim glow with larger, little brighter core.
NGC 3936	C	05/11/10	11:49 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim, long slender sliver of uniformly lit light.
NGC 3941	C	05/13/10	12:48 AM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A small oval with larger, very bright core and lots of dimmer halo around core.
NGC 3953	C	05/12/10	10:20 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice larger tilted oval. Larger brighter core and dim halo extending out a ways on a line from 8 – 2 o'clock.
NGC 3955	C	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, edge on oval with hare brighter nucleus. Overall its dim.
NGC 3962	C	05/11/10	11:53 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A round glow with a star like core in center and core dims slowly into dimmer halo glow.
NGC 4026	C	05/12/10	10:28 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – An almost edge on with nice brighter core and dim halo arms that taper off each side quite a ways from 8 – 2 o'clock.
NGC 4027	C	05/11/10	11:57 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A roundish, uniformly lit, easy to see glow. Maybe a hint of a tiny star like core in center of glow that is seen once in a while with AV.
NGC 4036	C	04/21/06	1:27 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A bright, flat oval with nice bright large nucleus that dims evenly into halo.
NGC 4038	C	04/01/05	22:00 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	18" f/4.5 Newtonian	In David Dunn's 18 inch scope. Oval glow with top and right edge and bottom also brighter than center void area.
NGC 4039	C	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 4051	C	04/22/09	01:56 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Larger tilted oval. Maybe see a hint of a barred spiral structure with arms going clockwise from tiny center bar. Brighter star like core seen with in center of halo glow.

NGC 4064	C	05/12/10	2:59 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A dim, small tilted oval with relatively brighter central core.
NGC 4088	C	05/12/10	10:30 PM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long slender uniformly lit sliver of light. Almost vertical in FOV. Dim overall.
NGC 4096	C	03/17/07	22:57 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	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	C	03/17/07	23:04 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	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	C	03/12/07	1:09 MST	The sky held to be incredible from about 10 PM on and its now 32 degrees.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - 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 4106	C	03/12/07	1:09 MST	The sky held to be incredible from about 10 PM on and its now 32 degrees.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Bit dimmer and smaller than 4105. Right next to 4105 and to its right but not touching it. Has brighter core and bit of halo surrounding it also, but much dimmer. Both easy to see with DV. These were a nice surprise. I like 2 galaxies this close to each other.
NGC 4111	C	04/22/09	01:47 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice, bright, very small tapered edge on. Goes from 11:30 - 5:30 o'clock in FOV. Has an extremely bright core and slight central bulge and tapers quickly into easy to see halo arms.
NGC 4125	C	04/08/10	10:48 PM	Seeing Great. Transparency Awesome. Sky steady.	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Nice tilted oval. Brighter central region and bit dimmer halo on each end going up and down in FOV. Fairly bright overall.
NGC 4143	C	04/22/09	01:52 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Small, circular glow with tiny, very bright nucleus seen in center of glow. Easy to see.
NGC 4144	C	03/17/07	23:22 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Long, thin, uniformly lit. dim sliver of light. Easy to see with AV.
NGC 4157	C	03/17/07	23:04 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	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 4178	C	05/12/10	2:14 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long slender cigar shaped, dim uniformly lit glow.
NGC 4179	C	05/10/10	11:44 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm - Small, tilted oval with small, relatively brighter core.
NGC 4212	C	03/17/07	3:33 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	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 4216	C	05/10/10	11:30 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice, bright edge on with larger, bright core and dim halo arms extending each side. Goes from 3 – 9 o'clock in FOV.
NGC 4244	C	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 ½ 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 4251	C	06/22/09	23:43 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A small oval glow with larger, brighter core and dim halo surrounding it. Hint of short tapered arms coming off each side of central glow.
NGC 4274	SP&C	03/18/07	3:30 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - To the right of NGC 4245 and about 1 FOV away is this large, bright nice oval halo glow, with a little bright central core seen.
NGC 4293	C	05/12/10	2:30 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long, larger slender cigar shaped uniformly lit glow.
NGC 4314	C	03/18/07	3:30 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - To the right of NGC 4274 and about 1 FOV away is this small, bright round glow with a small, brighter core seen. Looks a lot like NGC 4245.
NGC 4361	C	02/21/06	2:10 MST	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. Larger oval (not circular) glow with central star easily seen with AV in center of glow. OIII shows elongated oval better and can see central star.
NGC 4365	C	05/12/10	2:03 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A round brighter glow. Hint of dim halo around this bright central area which is uniformly lit.
NGC 4371	C	05/12/10	2:22 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A brighter round glow. Pretty much uniformly lit.
NGC 4373	C	05/11/10	12:46 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim, fat oval smudge of light. W/AV, can see there is a hint of a core.
NGC 4388	C	05/10/10	11:34 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Long, slender uniformly lit glow.
NGC 4402	C	05/12/10	2:25 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm - A round shape with larger bright core of 4402.
NGC 4414	C	06/22/09	23:48 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice tilted oval with larger, brighter core that dims into a halo glow that extends from 10 - 4 o'clock off central glow.
NGC 4419	C	05/12/10	2:32 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim, small edge on with hare brighter central core.
NGC 4429	C	05/12/10	2:22 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice, small tilted oval with small, central core of one brightness and dim halo easily seen around core. Goes from 11 – 5 o'clock in FOV.
NGC 4448	C	06/22/09	23:37 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice tilted oval glow. Tapered arms come off each end of a brighter central core. Pretty dim though.

NGC 4449	C	04/22/09	01:59 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - This is a funny shaped galaxy. Appears to be a tilted oval with top part flat. Uniformly lit. Larger in size. Goes from 9:30 - 3:30 in FOV.
NGC 4450	C	05/12/10	2:25 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A dim, small tilted oval with brighter central core.
NGC 4473	C	05/12/10	2:25 AM	Seeing good. Transparency good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm - A round shape with larger bright core
NGC 4490	C	04/22/09	01:30 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A nice tilted oval, going from 8 - 2 o'clock in FOV NGC 4485 with nice, larger brighter core.
NGC 4494	C	06/22/09	23:40 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice circular glow with large, bright core that dims slowly into a circular halo glow.
NGC 4517	C	05/10/10	11:48 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A very long, slender oval, uniformly lit and dim. Has bright field star ½ across it and on bottom left edge. Goes from 11:30 – 5:30 o'clock in FOV and is approx 1/3 FOV long.
NGC 4527	C	05/10/10	11:50 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Long slender galaxy with brighter core. Is vertical in FOV. Dim overall.
NGC 4535	C	05/12/10	2:00 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger round glow. Tiny dim core seen w/AV otherwise pretty uniformly lit. Field star on lower left of halo glow. Eye wants to see spiral arms going CCW every once in a while. Not sure though.
NGC 4536	C	05/12/10	1:46 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A tilted oval. Bright. Core area much brighter. Small in size.
NGC 4559	SP&C	05/12/10	3:07 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long, slender, uniformly lit cigar shaped galaxy. Goes 10 – 4 o'clock in FOV with 3 field stars forming a triangle around end of halo glow.
NGC 4565	SP&C	04/21/06	00:25 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x-Nice. One of my favorites I visit every night its up.
NGC 4570	C	05/12/10	1:56 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A nice, long edge on. Central bulge has real bright core and bit dimmer core around that. Arms of dim halo extend quite a way from core. Goes 9:30 – 3:30 o'clock in FOV.
NGC 4605	C	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 4618	C	04/22/09	01:17 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A dim, circular glow with larger, brighter core area seen on upper lhs of halo glow and not in the center of the glow. To upper left is 4625, a small, dim circular glow with tiny hare brighter star like core right in center of glow.
NGC 4631	SP&C	06/22/09	23:59 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A nice, uniformly lit edge-on. 1/2 FOV long and pretty fat in the middle. Easy to see. Field star to left of center part of galaxy. Nice. Its vertical in FOV.

NGC 4654	C	03/17/07	2:52 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Above and to the left of NGC 4639 is a small, round dim glow with tiny brighter core. See this with DV.
NGC 4656	C	06/23/09	00:05 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - 2 dim long cigar shaped glows. Pretty uniformly lit. Can tell 4656 is a bit larger and to upper right while 4657 is very near but not touching 4656. Both pretty dim.
NGC 4657	C	06/23/09	00:05 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - 2 dim long cigar shaped glows. Pretty uniformly lit. Can tell 4656 is a bit larger and to upper right while 4657 is very near but not touching 4656. Both pretty dim.
NGC 4666	SP&C	06/22/09	21:47 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice edge on. Long and slender galaxy. Its dim with hare brighter center region where it bulges out a bit from the long slender taper.
NGC 4689	C	05/12/10	2:52 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger, round, dim uniformly lit glow.
NGC 4696	C	05/11/10	12:42 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim fat oval glow with 2 field stars on left hand side of glow. Uniformly lit.
NGC 4698	C	05/12/10	1:54 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A nice fat oval, small. Most of what is seen is core in between 2 field stars.
NGC 4699	C	05/12/10	1:39 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A bright oval glow with larger core that dims slowly to edge.
NGC 4710	C	05/12/10	2:52 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A dim, uniformly lit, larger edge on with central bulge, which is mostly above the center line of edge on.
NGC 4725	SP&C	04/22/09	00:41 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Larger tilted oval with small bright core in center of dim halo glow. Easy to see.
NGC 4753	C	06/22/09	21:53 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Brighter tilted oval with brighter, tiny core. Bit larger than most galaxies I've seen lately.
NGC 4754	C	05/10/10	11:36 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Tiny edge on (4762) with brighter core and tiny dim arms coming off it. Then above it and to left is this small, round glow with bright core of 4754.
NGC 4762	SP&C	05/10/10	11:36 PM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Tiny edge on (4762) with brighter core and tiny dim arms coming off it. Then above it and to left is this small, round glow with bright core of 4754.
NGC 4845	C	05/12/10	1:52 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long, slender edge on, uniformly lit glow.
NGC 4856	C	05/11/10	2:40 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Small, tilted oval with large bright core and dim bit of halo extending from ends. Bright core is most of what is seen. Goes from 1:30 – 7:30 o'clock in FOV.
NGC 4861	C	06/23/09	00:12 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A very faint sliver of uniformly lit light going from 2 - 8 o'clock in FOV. Fairly long.

NGC 4866	C	05/12/10	2:47 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A long slender edge on. Dim. Tiny central core in center of bulge and a field star in upper halo extended arms. Goes 11:30 – 5:30 o'clock in FOV.
NGC 4958	C	04/22/09	00:58 MDT	Seeing good. Transparency Good. Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Long tilted oval. Pretty uniformly lit. 3 field stars at bottom rhs of halo glow bound it. Goes from 11 - 5 o'clock in FOV.
NGC 4976	C	05/11/10	12:26 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Above 4945 and to right is this small, fat oval, uniformly lit glow.
NGC 5005	C	06/23/09	00:14 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A nice, bright longer tilted oval that has extended halo glow going from 1 - 7 o'clock in FOV. Has larger, much brighter central core. Tapered arms disappear slowly from core.
NGC 5033	C	06/23/09	00:18 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Another brighter, longer tilted oval. Goes from 10 - 4 o'clock in FOV. Larger, brighter core with shorted tapered arms that are dim, yet easy to see.
NGC 5061	C	03/17/07	1:13 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	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 5078	C	03/17/07	1:13 MDT	The sky is steady and the seeing is OK	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - 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 5101	C	05/11/10	12:02 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – To left of 5078, a brighter oval with larger, bright core and dim halo around it. Pretty dim overall.
NGC 5102	C	05/04/05	23:28 CDT	Sky still a bit soft. Seeing OK. Dew is VERY heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	Small, dim cigar shaped galaxy with brighter nucleus.
NGC 5128	C	05/06/05	2:08 CDT	Sky is OK. Seeing OK. Dew is heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	Dim, round glow with dust lane that is easily seen bisecting it. 2 field stars on upper part of glow.
NGC 5139	C	05/04/05	22:21 CDT	Sky still a bit soft. Seeing OK. Dew is VERY heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	32mm. Nice tight bright core with large extended halo. 19mm. Almost fills FOV with halo stars. Tons of member stars seen. Large, extended halo. Class 6.
NGC 5247	C	05/11/10	2:34 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Larger, roundish, very dim glow with bit brighter central region in center of glow.
NGC 5248	C	06/23/09	01:12 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - Nice tilted oval with larger, brighter core and longer, dim, tapered halo arms off this core. Goes from 10 - 4 o'clock in FOV.
NGC 5253	C	05/11/10	12:53 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice long oval with larger, longer bright core that appears mottled. Dim bit of halo that on each end, goes from 11:30 – 5:30 o'clock in FOV.
NGC 5266	C	05/11/10	12:35 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A small, dim oval glow with a stellar core.

NGC 5297	C	06/23/09	00:28 MDT	Seeing is OK. Transparency is Fair. Sky is soft.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm - A very dim, linear smudge of uniformly lit light. Nestled with 2 field stars, with the lower star much brighter than upper star.
NGC 5307	C	05/11/10	12:17 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Small out of focus star. Look at it and can see central star. Responds to O3. Very small round glow. Off white in color.
NGC 5363	C	08/01/08	22:06 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, round with bright core that is easily seen. Hint of halo around it. Above it and to right in same FOV is NGC 5373 which is a larger, uniformly lit, almost circular smudge of light.
NGC 5419	C	05/11/10	12:58 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Nice tilted oval with larger, longer bright core that is mottled. Dim bit of halo at each end of this core. Goes from 10 – 4 o'clock in FOV.
NGC 5566	C	08/01/08	22:01 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Very small round shaped galaxy. Most of what is seen is a brighter core area with tiny bit of halo around it. NGC 5569 is much dimmer and above it at 2 o'clock and it's a dim, oval smudge of light.
NGC 5676	C	08/01/08	00:45 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. NGC 5689 is dimmer than NGC 5676 which is more cigar shaped and uniformly lit.
NGC 5689	C	08/01/08	00:45 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim tilted oval. Pretty uniformly lit. Dimmer than NGC 5676 which is more cigar shaped and uniformly lit.
NGC 5746	SP&C	08/01/08	21:56 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. Long, slender edge on. Central area bit brighter and thicker. Very faint arms extend beyond this brighter central area by quite a bit.
NGC 5813	C	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 5838	C	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 5907	C	08/23/06	21:45 MDT	Sky OK. Seeing Fair.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm. Nice. Long slender sliver of light. Fatter and brighter in middle area and tapers slowly ends. Approx 1/3 FOV in length. Nice and bright.
NGC 5921	C	07/31/08	21:52 MDT	Seeing fair. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim oval galaxy with hare brighter and bigger nucleus.
NGC 5927	C	05/11/10	2:05 AM	Seeing good. Transparency Good. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – Small, round glow with speckling of member stars on glow. Dim.
NGC 5986	C	05/05/05	01:33 CDT	Sky is soft. Seeing OK. Dew VERY heavy.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	19mm - Little larger than 5286 yet it's a small, round, fairly compact GC. Member stars easily seen. Most of what can be seen is uniformly lit nucleus with a hint of a halo around this. Class 2. There is a much brighter star at 4 o'clock at edge of halo that doesn't appear to belong.
NGC 6015	C	03/12/07	2:01 MST	The sky held to be incredible from about 10 PM on and its now 32 degrees.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Long, fat, dim oval shaped, uniformly lit smudge of light. Easy to see with DV. Best seen with AV.

NGC 6072	C	7/22/2006	22:16 MDT	Clear. Windy. Seeing 6. Transp 6.	John Martin State Park. Dark skies in SE Colorado.	12.5" f/8 Newtonian	19mm – Nice, small round glow can be seen with AV. Easily seen w/o filters. O3 makes it better but not as good as UHC which is not as good as with no filters at all. No central star seen.
NGC 6124	C	05/07/05	02:50 CDT	52 degrees. Milky Way out and nice. Sky still a bit soft. Dew still present.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	32mm. Fills FOV nicely. Approx 50 stars of 3 magnitudes. Very bright blue-white stars very easy to see in 8x50 binocs. Basically round in shape.
NGC 6153	C	7/22/2006	22:27 MDT	Clear. Windy. Seeing 6. Transp 6.	John Martin State Park. Dark skies in SE Colorado.	12.5" f/8 Newtonian	19mm - Nice, small round glow, yet bright. Forms the top of a diamond shape with 3 other stars. O3 doesn't do much for this as well as the UHC. Best view w/o any filter. Uniformly lit. No central star seen.
NGC 6210	C	08/08/07	23:14 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round off-white colored glow. W/AV and waiting, see a fat central star in center of glow. O3 and UHC show it nicely also. See central star in O3.
NGC 6231	C	05/07/05	02:54 CDT	52 degrees. Milky Way out and nice. Sky still a bit soft. Dew still present.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	32mm. 8 very bright blue-white stars of same magnitude basically defines the borders to right of this OC. Approx 20-25 stars of same magnitude but lesser bright by ½ or so are underneath these and some spill out to the left. Rectangular in shape.
NGC 6259	C	05/12/10	3:40 AM	Seeing great. Transparency great. Sky steady.	Texas Star Party, Ft. Davis, TX. Dark Skies.	12.5" f/8 Newtonian	19mm – A larger, roundish open cluster with lots of dim stars of approx 3 magnitudes. Fills center of 19mm FOV nicely. Pretty compact.
NGC 6302	C	7/22/2006	22:36 MDT	Clear. Windy. Seeing 6. Transp 6.	John Martin State Park. Dark skies in SE Colorado.	12.5" f/8 Newtonian	19mm – Linear shaped planetary. Very bright central region and dims quickly on each side of this brighter region. O3 show nice view. No central star seen. I tried the 9mm EP but its too near horizon and didn't do much for improving the view.
NGC 6309	C	6/20/2008	00:19 MDT	Seeing great. Transparency good. Sky steady.	Raymer, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim, round glow with tiny, dim field star right next to it. w/OIII, thought I saw a central star. OIII nicely makes it stand out. Not so good of a view with UHC. 9mm WOW!!!. This really shows an oval shape and that faint field star just to lower left and near it. Maybe see central star once in a while with OIII filter. Nice.
NGC 6337	C	07/22/06	22:46 MDT	Seeing is OK (6), transparency is OK (6). Wind persists.	John Martin State Park. SE, Colorado. Skies Moderately Dark.	12.5" f/8 Newtonian	19mm – Nice dim oval glow. 2 field stars seen on glow but none are at the center of the glow. O3 gives a better view of oval glow, but can only see the 3 faint field stars on the glow w/o filter.
NGC 6369	C	6/29/2008	23:37 MDT	Seeing great. Transparency good. Sky steady.	Raymer, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim round glow. w/AV see a donut shape like M57. No central star seen. Responds well to OIII and UHC filters. 9mm didn't show it any better.
NGC 6445	C	6/29/2008	23:55 MDT	Seeing great. Transparency good. Sky steady.	Raymer, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Large, circular, uniformly lit glow. No central star seen. OIII gives a great view. It appears textured with OIII. UHC not as good of a response. 9mm doesn't add anything. Very faint field star just outside halo glow and at 8 o'clock.
NGC 6503	C	08/01/08	00:18 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Cigar shaped, longer, uniformly lit dim glow.

NGC 6520	C	08/08/07	20:31 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A tight grouping of approx 20 stars, but easy to see stars forms a heart shape. 2 brighter stars on top of it and left of center of heart. I don't think these are part of it. A brighter field stars in same FOV and to the left of this cluster. Class I.1.p. Nice.
NGC 6530	SP&C	08/08/07	20:39 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Approx 30 stars to lower right, but next to nebulosity of M8, the Lagoon Nebula. I've seen these stars before and didn't know it wasn't part of M8 complex. Very bright, blue-white stars of approx 3 magnitudes. Class I.1.p.
NGC 6541	C	05/07/05	03:10 CDT	52 degrees. Milky Way out and nice. Sky still a bit soft. Dew still present.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	19mm - Small, round with bright, large nucleus area and some halo around it. Member stars seen. Yet object is dim for its low above the horizon. Class 5.
NGC 6543	SP&C	08/23/06	21:54 MDT	Sky OK. Seeing Fair.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Large, circular glow. Bright. Central star easily seen on glow. Blueish glow. OIII and UHC show it well, but best view is without any filter.
NGC 6572	C	08/08/07	23:08 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Very small, round green-blue glow with tiny central star seen on glow once in a while. O3 and UHC shows it about the same.
NGC 6603	C	08/01/08	22:41 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Inside M24 is this tight, circular grouping of many faint stars that are easily seen.
NGC 6633	C	05/07/05	05:08 CDT	52 degrees. Milky Way out and nice. Sky still a bit soft. Dew still present.	Texas Star Party, Ft. Davis, TX.	12.5" f/8 Newtonian	19mm. 20-25 bright, blue-white stars in a vertical rectangle shape. 5 stars at upper left edge and outside for a little ringlet.
NGC 6709	C	09/12/07	21:51 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - 50+ stars of approx 5 magnitudes. Roughly circular. Very loose. Brighter blue white stars stand out in an area void of these. Class II.2.m. Fills center of FOV of 19mm nicely. Approx 1/2 FOV in diameter.
NGC 6741	C	07/31/08	00:13 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Nice. See it well w/O3 and a little less w/UHC. Nice bright with hint of halo around it. Can barely see this w/o filters. 9mm. Nice. See it's a bit oval in shape. Central star seen in center of halo glow once in a while.
NGC 6751	C	07/30/08	21:42 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small dim oval. Just a ghostly glow without filters. w/O3, stands out. See central star. UHC shows it nicely also. 9mm Shows it nicely. Almost circular but a bit oval on a 1 - 7 o'clock line. Uniformly lit. Maybe see central star once in a while. 2 very faint field stars near it to 3 and 8 o'clock side.
NGC 6755	C	08/24/08	21:30 MDT	Fair. Good.	Berthoud, CO. Moderately polluted skies.	18" f/14.2 Cassegrain	160x- Several brighter stars sit on top of an obvious glow of much fainter stars that cannot be seen. Small in FOV.

		10/27/08	19:09 MDT	Seeing OK, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Small. Compact. Roughly circular shaped. Lots of Stars seen, maybe 10-15 stars that are easily seen of about 3 magnitudes. There is a glow of more stars underneath these stars that can be seen. The concentration of stars is much brighter in the center than edges. Most of the brighter stars on lower left half of cluster. Stands out nicely in FOV.
NGC 6781	C	07/31/08	01:22 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Larger, circular dim, uniformly lit glow. No central star seen. Easy to see without filters and responds well to O3 and not so much to UHC.
NGC 6818	C	08/23/06	22:38 MDT	Sky OK. Seeing Fair.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Bright. Small round, uniformly lit glow. No central star seen. Nice with OIII and UHC filter. 9mm is not showing it any better and no central star seen at this power either.
NGC 6819	C	10/10/07	23:26 MDT	Seeing good, Sky steady. Very Clear.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm – Nice., A roughly circular cluster of 20-30 brighter stars seen with halo of a glow of much dimmer stars seen around these especially bounding rhs. Fairly large and compact. Maybe more boxy than round that the brightest stars form. Class I 3 m.
NGC 6826	SP&C	08/01/08	2:31 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Oval, almost round, blue-green glow. Central star easily seen in center of glow. O3 and UHC shows it nicely. 9mm isn't looking good tonight. w/AV can tell its there. Direct vision halo dims out and central star easily seen.
NGC 6891	C	07/31/08	02:39 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Tiny round to oval uniformly lit PN. Blue-green in color. Responds well to O3 and UHC. 9mm didn't show it any better.
NGC 6905	C	07/31/08	02:09 MDT	Seeing great. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim, round uniformly lit glow. No central star seen. Sits between 2 field stars, lhs one brighter than rhs one. 9mm shows it the same, but bigger. Responds well to O3 and UHC filters.
NGC 6939	C	08/01/08	00:56 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Small, dim, compact open cluster. Its like a tall, domed hat with flat line of stars across bottom and 20-30 fainter and about same magnitude stars make up rest of cluster.
NGC 6960	C	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	32mm - 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 6992-5	C	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 severl FOVs. Can see knots and filaments easily.

NGC 7009	C	08/23/06	22:46 MDT	Sky OK. Seeing Fair.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Bright. Small. Greenish in color. Flattened oval shape. Nice with and without OIII and UHC filters. Central star maybe seen sometimes. 9mm no better view, in fact, with wind and bouncing scope, its really hard to see at this power.
NGC 7331	SP&C	11/02/07	22:24 MDT	Seeing Ok. Transparency OK.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm. 7331 is nice, long, tilted galaxy with nice, bright nucleus. 7335 just an oval smudge of light seen with AV. 7337 is a dim round glow with a tiny, hare brighter nucleus. 7340 is smaller and a round glow with hare brighter nucleus. Didn't see 7336 where it was supposed to be.
NGC 7332	C	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 7479	C	08/01/08	00:08 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Tilted oval, very dim yet easy to see. Looks like a hare brighter, linear core seen on halo glow.
NGC 7510	C	10/11/07	03:38 MDT	Seeing good, Sky steady. Very Clear.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm – Nice. 20 stars of 3 magnitudes forms an equilateral triangle, pointing towards upper left of FOV. Bottom rhs is FLAT with brighter stars here and brightest star at lower left corner of triangle. Very compact. Dimmest stars at triangle apex (top) and gradually brightens in magnitude from dimmest to brightest. This was Cool... Stands out in FOV. Class I 2 p.
NGC 7541	C	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 7606	C	08/01/08	00:00 MDT	Seeing good. Transparency OK. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. Large, slender, dim sliver of light with hare brighter, larger core.
NGC 7640	C	10/01/06	3:02 MDT	Seeing softened a bit of dew was present. The sky was steady all night though.	Crow Valley Campground. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Long, thin edge on. Maybe central bulge and tapered arms. Fairly dim and pretty uniformly lit.
NGC 7662	C	11/02/07	23:42 MDT	Seeing Ok. Transparency OK.	Raymer, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - Small, round, bright, blue-green colored glow. Central star seen once in a while with AV. OIII shows it nicely.
NGC 7686	C	10/10/07	20:01 MDT	Seeing good, Sky steady. Very Clear.	Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	19mm – One bright, blue white star and bit dimmer off to left. Between and around these 2 stars are approx 20 stars, some very dim, of approx 3 magnitudes. Very loose. No real concentration. Almost fills 19mm FOV. Class III 2 p.
NGC 7789	C	08/01/08	1:11 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	32mm. Fills center of FOV nicely. Basically triangular in shape. Approx. 3 magnitudes of stars. 50+ stars seen in a star rich area. Seen it also in 8x50 finder FOV.
NGC 7793	C	10/27/08	22:37 MDT	Seeing good, Sky steady.	Deer Trail, Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm – Large, fat oval or circular shaped uniformly lit glow. Dim, yet easy to see. Maybe a few very faint field stars on glow. It hints they are there.

NGC 7814	C	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.
Steph 1	C	09/12/07	22:43 MDT	Seeing good, Sky steady. Clear.	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - 20+ stars are centered around a very bright field star of Lyra. Approx 4 magnitudes seen with faintest barely there, but seen. Brightest are very bright. Scattered around the bright field star with no real shape. Very loose. Class III.3.p.
Tr 24	C	08/01/08	21:42 MDT	Seeing good. Transparency good. Sky steady.	WUTS 2008. Fox Park, WY. Very dark skies.	12.5" f/8 Newtonian	19mm. To upper right and connected to Cr 316 are 15 brighter stars in a loose association. These 15 are much dimmer than the brighter stars of Cr 316. There is a glow of dimmer stars underneath these. Cr 316 is long and boxy. Tr 24 is above it and is longer than high.

Observational Statistics:

Observed 400 of 400

Magnifications Used:

9mm 282x
10mm 254x
19mm 134x
32mm 80x

Abbreviations:

AV - Adverted Vision
FOV - Field of View of Eyepiece
DV - Direct Vision