

| Object ID | AM Number         | Mag  | Con | Date       | Time  | Observing Location                             | Longitude      | Latitude      | Seeing | Transp | Telescope           | M / DA | Description  |
|-----------|-------------------|------|-----|------------|-------|--|----------------|---------------|--------|--------|---------------------|--------|--|
| NGC 613   | AM 0132-294       | 10.0 | Sci | 8/10/2002  | 3:25  | WUTS - Fox Park, WY, Dark Sky                  | 106.16° W      | 41.08° N      | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Nice edge on galaxy. Very faint but easy to see slender sliver of shape. Nucleus is a bit brighter and star like.   |
| NGC 1097  | AM 0244-302       | 9.3  | For | 10/5/2002  | 1:07  | Okie-Tex Star Party, Dark Sky                  | 102° 57.12 W   | 36°53.87' N   | Poor   | Poor   | 12.5" f/8 Newtonian | M      | 32mm - Small, bright nucleus. Edge on. Nucleus blends into slender halo. 19mm - Relatively brighter circular nucleus blends into long, slender arms.   |
| NGC 2613  | AM 0831-224       | 10.4 | Pyx | 4/26/2003  | 22:09 | North Sterling State Park, Moderately Dark Sky | 103°15'55"W    | 40°47'21"N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - Small, faint and oval. Nucleus is a bit brighter than the halo.   |
| NGC 300   | AM 0052-375       | 9.0  | Sci | 9/26/2003  | 0:33  | Okie-Tex Star Party, Dark Sky                  | 102° 57.12 W   | 36°53.87' N   | OK     | OK     | 12.5" f/8 Newtonian | M      | 19mm - VERY dim, circular glow situated between 2 field stars to the left and right of it. Uniformly lit. Extremely hard to see. Just sitting above a mesa in the SE.  |
| NGC 3621  | AM 1115-323       | 10.0 | Hya | 4/26/2003  | 22:26 | North Sterling State Park, Moderately Dark Sky | 103°15'55"W    | 40°47'21"N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - Large and faint. This is low, on the SW horizon. Uniformly lit. Nestled inside 4 field stars that make a cross shape. Oval in shape.  |
| NGC 2139  | AM 0559-234       | 11.7 | Lep | 2/3/2005   | 20:42 | John Martin State Park, Moderately Dark Sky    | 102°55'50"W    | 38.07472°N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - Small, oval, very dim glow but not uniformly lit. Hare brighter in the middle, but almost uniform though.   |
| NGC 1532  | AM 0410-330       | 11   | Eri | 2/3/2005   | 21:14 | John Martin State Park, Moderately Dark Sky    | 102°55'50"W    | 38.07472°N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - 1532 is the biggest and brightest of the 3 galaxies in FOV. All 3 have a hint of a nucleus.   |
| NGC 1537  | AM 0411-314       | 12.0 | Eri | 2/3/2005   | 21:16 | John Martin State Park, Moderately Dark Sky    | 102°55'50"W    | 38.07472°N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - There are 3 galaxies in the FOV. 1537 is a small, round and very dim galaxy.  |
| NGC 3955  | AM 1151-225       | 11.9 | Crt | 4/1/2005   | 22:39 | Cactus Flats North, CO, Moderately Dark Sky    | 104° 26.5 W    | 40° 40.4 N    | Good   | Good   | 12.5" f/8 Newtonian | M      | 19mm - Small, edge on oval with hare brighter nucleus. Overall its dim.  |
| NGC 7507  | AM 2309-284       | 10.4 | Sci | 8/24/2006  | 0:33  | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | OK     | OK     | 12.5" f/8 Newtonian | M      | 19mm - Small, round, brighter galaxy. Most of what is seen is central part. Hint of a tiny bit of dimmer halo surrounding this.  |
| NGC 24    | AM 0007-251       | 11.5 | Sci | 9/19/2006  | 23:18 | Crow Valley CO, Moderately Dark Sky            | 104° 20.078 W  | 40° 38.601 N  | OK     | Good   | 12.5" f/8 Newtonian | M      | 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 1187  | AM 0300-230       | 11.0 | Eri | 10/23/2006 | 23:43 | Crow Valley CO, Moderately Dark Sky            | 104° 20.078 W  | 40° 38.601 N  | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Large, faint oval glow with hint of a hare brighter, large core area in center of glow. Seen with Direct Vision.  |
| NGC 2784  | AM 0910-235       | 10.1 | Hya | 3/11/2007  | 23:12 | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Nice. Long fat oval with brighter tiny core and larger, bit dimmer central region and can see it tapers at each end from 9:30 o'clock to 3:30 o'clock in EP to a dim halo glow. Seen with Direct Vision.  |
| NGC 3078  | AM 0956-264 NED01 | 11.1 | Hya | 3/11/2007  | 23:23 | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Small, round, dim with tiny, brighter stellar core. Pretty uniformly lit though. Seen with Direct Vision.   |
| NGC 3585  | AM 1110-262       | 10.0 | Hya | 3/12/2007  | 0:54  | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Nice. Round. Bright. Relatively brighter core that dims slowly into halo glow.  |
| NGC 4105  | AM 1204-292 NED01 | 12.0 | Hya | 3/12/2007  | 1:09  | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | Great  | Great  | 12.5" f/8 Newtonian | M      | 19mm - Small and round. Very bright tiny core surrounded by a bit of halo. In same FOV as 4106. Both easy to see with Direct Vision.   |
| NGC 4106  | AM 1204-292 NED02 | 11.4 | Hya | 3/12/2007  | 1:09  | Deer Trail, CO Moderately Dark Sky             | 103.55° 45.3 W | 39° 38' 53" N | Great  | Great  | 12.5" f/8 Newtonian | M      | 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 Direct Vision. These were a nice surprise. I like 2 galaxies this close to each other. |

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| NGC 7314 | AM 2233-261          | 10.9 | PsA | 10/27/2008 | 20:28 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – A long, skinny oval going up and down in FOV. Pretty uniformly lit. Easy to see. Very faint field star just to left of it and near it and just below the middle of it.   |
| NGC 7252 | AM 2217-245          | 12.1 | Aqr | 10/27/2008 | 20:44 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Small, circular halo glow with larger hare brighter core area seen. Easy to see in FOV.  |
| NGC 7284 | AM 2225-250<br>NED01 | 13.0 | Aqr | 10/27/2008 | 20:44 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – An almost circular glow with elongated nucleus. The lhs bright core is much brighter (7285) than a bit dimmer core on rhs (7284). Both on overall halo glow of galaxy. Very subtle. The nucleuses are on a line from 10 to 4 o'clock. Nice. Relooked at it at 9:01 PM and can see it better.   |
| NGC 7285 | AM 2225-250<br>NED02 | 13.0 | Aqr | 10/27/2008 | 20:44 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – An almost circular glow with elongated nucleus. The lhs bright core is much brighter (7285) than a bit dimmer core on rhs (7284). Both on overall halo glow of galaxy. Very subtle. The nucleuses are on a line from 10 to 4 o'clock. Nice. Relooked at it at 9:01 PM and can see it better.   |
| NGC 578  | AM 0128-225          | 10.9 | Cet | 10/27/2008 | 22:16 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Great | Good | 12.5" f/8 Newtonian | M | 19mm – Small, dim, flat oval. Uniformly lit glow. Not much to it. Pretty faint.   |
| NGC 134  | AM 0027-333          | 10.1 | ScI | 10/27/2008 | 22:29 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Great | Good | 12.5" f/8 Newtonian | M | 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 7793 | AM 2355-325          | 9.1  | ScI | 10/27/2008 | 22:37 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Great | Good | 12.5" f/8 Newtonian | M | 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 1316 | AM 0320-372          | 8.9  | For | 12/28/2008 | 20:16 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm - Nice tilted oval. Fairly bright core and bit of halo around it. Goes from 10-4 o'clock in FOV. Can tell it is a tilted oval because of extended halo glow at each end.   |
| NGC 1808 | AM 0505-373          | 9.9  | Col | 12/28/2008 | 21:34 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm - Nice. Tilted oval. Goes from 1-7 o'clock. Larger, brighter core in center and tapered halo arms.   |
| NGC 1792 | AM 0503-380          | 10.2 | Col | 12/28/2008 | 21:39 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm - Faint, uniformly lit oval glow. Goes from 1-7 o'clock in FOV. It's a long, slender sliver of light.  |
| NGC 1398 | AM 0336-263          | 9.7  | For | 1/16/2009  | 18:55 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 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 | AM 0337-312          | 13.0 | For | 1/16/2009  | 19:07 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 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 1350 | AM 0329-334          | 10.5 | For | 1/16/2009  | 19:11 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 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 1374 | AM 0333-352          | 12.0 | For | 1/16/2009  | 19:11 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – Is small, dim circular uniformly lit glow.   |
| NGC 1380 | AM 0334-350          | 11.0 | For | 1/16/2009  | 19:11 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – Nice tilted oval with larger, brighter core and tiny bit of halo around it.  |
| NGC 2090 | AM 0545-341          | 12.0 | Coo | 2/24/2009  | 18:55 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Nice. Very dim. Seeing soft in south. See elongated oval, very uniformly lit with hare brighter central area. Goes from 11 – 5 o'clock. See 3 very faint stars off bottom edge in a little arc. Pretty faint. Best seen with AV.   |
| NGC 2835 | AM 0915-220          | 11.0 | Hya | 4/21/2009  | 21:00 | Deer Trail, CO<br>Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm - Round, very dim, uniformly lit glow. Fairly large in size yet dim.   |

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| NGC 2997 | AM 0943-305          | 11.0 | Ant | 4/21/2009  | 21:07 | Deer Trail, CO<br>Moderately Dark Sky       | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 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 3175 | AM 1012-283          | 11.3 | Ant | 4/21/2009  | 21:14 | Deer Trail, CO<br>Moderately Dark Sky       | 103.55° 45.3 W | 39° 38' 53" N | Good  | Good | 12.5" f/8 Newtonian | M | 19mm - Long, slender cigar shaped, uniformly lit galaxy. Goes from 11 - 5 o'clock in FOV. Very dim.  |
| NGC 7214 | AM 2206-280          | 12.4 | PsA | 10/17/2009 | 20:47 | Keota, CO, Moderately<br>dark Sky           | 104° 4' 34" W  | 40° 41' 2" N  | Great | Good | 12.5" f/8 Newtonian | M | 19mm – Below 2 faint field stars is a round glow of 7214. On its center is a very faint star like nucleus.   |
| NGC 7172 | AM 2159-320          | 11.9 | PsA | 10/17/2009 | 20:59 | Keota, CO, Moderately<br>dark Sky           | 104° 4' 34" W  | 40° 41' 2" N  | Great | Good | 12.5" f/8 Newtonian | M | 19mm – 7173 is a smaller NGC 7172 round glow with a tiny, brighter, star-like core. Then below this and a bit away is 7172, which is an uniformly lit oval dim glow.   |
| NGC 7173 | AM 2159-321<br>NED01 | 21.1 | PsA | 10/17/2009 | 20:59 | Keota, CO, Moderately<br>dark Sky           | 104° 4' 34" W  | 40° 41' 2" N  | Great | Good | 12.5" f/8 Newtonian | M | 19mm – 7173 is a smaller NGC 7172 round glow with a tiny, brighter, star-like core. Then below this and a bit away is 7172, which is an uniformly lit oval dim glow.   |
| NGC 7174 | AM 2159-321<br>NED02 | 12.6 | PsA | 10/17/2009 | 20:59 | Keota, CO, Moderately<br>dark Sky           | 104° 4' 34" W  | 40° 41' 2" N  | Great | Good | 12.5" f/8 Newtonian | M | 19mm – 7176 and 7174 are a combined glow. Fairly small round glow with brighter core.  |
| NGC 3109 | AM 1000-255<br>NED02 | 13.0 | Ant | 5/10/2010  | 22:48 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Large, diffused oval, uniformly lit, dim glow.  |
| NGC 3923 | AM 1148-283          | 10.1 | Hya | 5/10/2010  | 23:03 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm - Oval shaped, bright, pretty uniformly lit with maybe a hint of a halo around it.  |
| NGC 5061 | AM 1315-263          | 12.0 | Hya | 5/11/2010  | 0:00  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Round glow with larger bright core and bit of dim halo around it.   |
| NGC 5078 | AM 1317-270          | 12.0 | Hya | 5/11/2010  | 0:02  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Small, dim oval glow with bit brighter core.  |
| NGC 5101 | AM 1319-271          | 12.0 | Hya | 5/11/2010  | 0:02  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – To left of 5078, a brighter oval with larger, bright core and dim halo around it. Pretty dim overall.   |
| NGC 4373 | AM 1222-392<br>NED02 | 11.1 | Cen | 5/11/2010  | 0:46  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – A very dim, fat oval smudge of light. W/AV, can see there is a hint of a core.  |
| NGC 5253 | AM 1337-312<br>NED01 | 10.6 | Cen | 5/11/2010  | 0:53  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 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 5102 | AM 1319-362          | 9.7  | Hya | 5/11/2010  | 1:09  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Long slender edge on with central bulge and brighter core there. Pretty dim overall. Goes from 11:30 – 5:30 o'clock in FOV. Small in size.  |
| NGC 3311 | AM 1034-271<br>NED02 | 11.6 | Hya | 5/11/2010  | 22:40 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – Just below a bright field star are these galaxies. 3311 and 3309 are together with a combined halo glow. See 2 tiny star cores on this very small glow.   |
| NGC 3312 | AM 1034-271<br>NED03 | 12.0 | Hya | 5/11/2010  | 22:40 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – To right of 3311 and 3309 is a tiny glow smudge of 3312.  |
| NGC 3511 | AM 1100-224          | 12.0 | Crt | 5/11/2010  | 23:30 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 19mm – A long slender dim uniformly lit glow.  |
| NGC 3717 | AM 1129-300          | 12.0 | Hya | 5/11/2010  | 23:36 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | Good  | Good | 12.5" f/8 Newtonian | M | 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 5153 | AM 1325-292<br>NED02 | 14.0 | Hya | 5/12/2010  | 0:16  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – 5153 and 5150 are together but separated, vertical and look the same. Small circular halo glows with brighter cores seen in center of glows.  |
| IC 4329  | AM 1346-300          | 11.5 | Cen | 5/12/2010  | 0:48  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – Nice. About 10 smudges of light, largest is I 4329. A roundish uniformly lit very dim glow.   |
| IC 4296  | AM 1333-334          | 10.6 | Cen | 5/12/2010  | 1:03  | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – I 4296 is a larger, dim, yet easy to see, round, uniformly lit glow.  |
| NGC 5128 | AM 1322-424          | 7.0  | Cen | 5/12/2010  | 23:58 | Texas Star Party, Ft<br>Davis, TX, Dark Sky | 103° 56.9 W    | 30° 36.3 N    | OK    | OK   | 12.5" f/8 Newtonian | M | 19mm – Nice. Large, round dim glow with dust NGC 5128 lane bisecting it. Dim overall.  |
| NGC 7135 | AM 2146-350          | 12.7 | PsA | 9/27/2011  | 22:40 | Okie-Tex Star Party, Dark<br>Sky            | 102° 15.1 W    | 36° 53.8 N    | Fair  | OK   | 12.5" f/8 Newtonian | M | 15mm – An extremely faint circular smudges of light with hare brighter tiny cores in center seen w/AV.   |
| NGC 45   | AM 0011-232          | 11.6 | Cet | 9/28/2011  | 2:38  | Okie-Tex Star Party, Dark<br>Sky            | 102° 15.1 W    | 36° 53.8 N    | OK    | OK   | 12.5" f/8 Newtonian | M | 15mm – An extremely faint oval glow of light. Barely there.  |

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| NGC 6925  | AM 2031-320       | 12.1 | Mic | 9/28/2011  | 21:52 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A nice, brighter tilted oval. Longer. Halo bright with larger, brighter core area in center of glow.  |
| NGC 6923  | AM 2028-310       | 12.7 | Mic | 9/28/2011  | 22:03 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A very dim, irregular to roundish shaped halo glow with tiny faint star like core.  |
| NGC 7130  | AM 2145-351 NED02 | 13.0 | PsA | 9/28/2011  | 22:27 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – An extremely faint circular smudges of light with hare brighter tiny cores in center seen w/AV.   |
| NGC 7135  | AM 2146-350       | 12.7 | PsA | 9/28/2011  | 22:27 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – An extremely faint circular smudges of light with hare brighter tiny cores in center seen w/AV.   |
| NGC 7174  | AM 2159-321 NED02 | 14.2 | PsA | 9/28/2011  | 22:35 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm - N7174 is a smaller circular halo glow with tiny brighter core in center of glow.  |
| NGC 7173  | AM 2159-321 NED01 | 13.1 | PsA | 9/28/2011  | 22:35 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – N7173 is a fainter circular halo glow with tiny brighter core.  |
| NGC 7172  | AM 2159-320       | 12.9 | PsA | 9/28/2011  | 22:35 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm - N7172 is an oval, extremely faint, uniformly lit smudge of light.   |
| NGC 7221  | AM 2208-304       | 12.8 | PsA | 9/28/2011  | 22:48 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm- An extremely faint oval glow. w/AV can see what looks like a larger linear core on halo glow.  |
| NGC 7225  | AM 2210-262       | 13.2 | PsA | 9/28/2011  | 22:55 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A very faint oval. w/AV can see a hare brighter core. Has a very bright field star that you have to put out of the top left of FOV to see this guy.                 |
| NGC 7167  | AM 2157-245       | 12.9 | Aqr | 9/28/2011  | 23:06 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – An extremely faint glow to left and very close to a very faint field star.  |
| PGC 68324 | AM 2210-274       | 13.7 | PsA | 9/28/2011  | 23:16 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm - P68324 is a tiny cigar shaped, very faint, uniformly lit glow.  |
| PGC 68374 | AM 2211-274       | 13.4 | PsA | 9/28/2011  | 23:16 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm - P68374 is to right and is a small circular, uniformly lit glow.   |
| NGC 7306  | AM 2230-273 NED01 | 13.4 | PsA | 9/28/2011  | 23:24 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – N7306 is a very faint, linear, thin uniformly lit smudge of light.  |
| NGC 7361  | AM 2239-301       | 12.9 | PsA | 9/28/2011  | 23:36 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A very faint, longer, thin, linear uniformly lit halo glow.   |
| NGC 7513  | AM 2310-283B      | 13.1 | ScI | 9/28/2011  | 23:41 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – Very near two brighter field stars and below is this tiny oval, uniformly lit glow.   |
| NGC 7507  | AM 2309-284       | 12.2 | ScI | 9/28/2011  | 23:41 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A small, round glow. Easy to see that it has a larger brighter core surrounded by a tiny bit of halo.   |
| PGC 72228 | AM 2341-321       | 13.6 | ScI | 9/29/2011  | 0:31  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Great | 12.5" f/8 Newtonian | M | 15mm – A very faint, linear smudge of light.   |
| NGC 254   | AM 0045-314       | 12.6 | ScI | 9/29/2011  | 0:56  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A tilted faint oval with larger, hare brighter core surrounded by a bit of faint halo.  |
| NGC 289   | AM 0050-312       | 11.7 | ScI | 9/29/2011  | 0:59  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A larger oval glow. Uniformly lit. Has a very faint field star below and near halo glow.  |
| NGC 418   | AM 0108-302       | 13.1 | ScI | 9/29/2011  | 1:12  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A small round glow with hare brighter core.   |
| IC 1558   | AM 0033-253       | 12.6 | ScI | 9/29/2011  | 1:30  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – Next to this brighter field star is this very dim smudge of light.  |
| PGC 64488 | AM 2016-392       | 13.2 | Sgr | 9/29/2011  | 21:30 | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A tiny, very faint round glow with tiny central star. Galaxy nestled between two close, very faint field stars. Very low above horizon.                             |
| NGC 7755  | AM 2345-304       | 12.6 | ScI | 9/30/2011  | 0:43  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A small roundish uniformly lit smudge of light.   |
| PGC 5362  | AM 0124-232       | 13.4 | Cet | 9/30/2011  | 0:56  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – A tiny, extremely faint ghostly glow in an oval shape seen once in a while w/AV.  |
| PGC 8223  | AM 0207-233       | 13.2 | Cet | 9/30/2011  | 1:03  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | Good | Good  | 12.5" f/8 Newtonian | M | 15mm – An extremely faint, small, roundish smudge of light see with AV.  |
| PGC 9273  | AM 0224-243       | 12.9 | For | 9/30/2011  | 1:13  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | OK   | OK    | 12.5" f/8 Newtonian | M | 15mm – A larger, circular, very faint glow. w/AV see a larger core area centered on glow. Nestled just below 3 field stars forming a triangle with lower one on halo glow. |
| NGC 922   | AM 0222-250       | 12.5 | For | 9/30/2011  | 1:18  | Okie-Tex Star Party, Dark Sky      | 102° 15.1 W    | 36° 53.8 N    | OK   | OK    | 12.5" f/8 Newtonian | M | 15mm – A very faint tilted oval glow with hare brighter larger core seen on halo glow.   |
| NGC 150   | AM 0031-280B      | 12.0 | ScI | 12/17/2011 | 18:13 | Deer Trail, CO Moderately Dark Sky | 103.55° 45.3 W | 39° 38' 53" N | OK   | OK    | 12.5" f/8 Newtonian | M | 19mm – A dim, small, oval shaped galaxy with larger, hare brighter core.   |

|           |             |      |     |            |       |  |                |               |      |      |                     |   |   |
|-----------|-------------|------|-----|------------|-------|--|----------------|---------------|------|------|---------------------|---|---|
| NGC 148   | AM 0031-320 | 13.3 | ScI | 12/17/2011 | 18:26 | Deer Trail, CO<br>Moderately Dark Sky                              | 103.55° 45.3 W | 39° 38' 53" N | OK   | OK   | 12.5" f/8 Newtonian | M | 19mm – Long and thin. Tapered arms. Dim. Brighter, larger central bulge with faint field star right below core and very near it. 15mm doesn't improve view.   |
| NGC 1979  | AM 0531-232 | 12.8 | Lep | 12/17/2011 | 21:45 | Deer Trail, CO<br>Moderately Dark Sky                              | 103.55° 45.3 W | 39° 38' 53" N | OK   | OK   | 12.5" f/8 Newtonian | M | 19mm – A tiny round glow. Looks like an out of focus star. Hint of a brighter, star like core seen in center of round glow.   |
| M-4-14-11 | AM 0539-225 | 13.4 | Lep | 1/20/2012  | 22:27 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | Good | Good | 20" f/4.5 Newtonian | M | 134x - A small tilted oval with bright, larger core surrounded by a tiny bit of easy to see halo.   |
| NGC 2217  | AM 0619-271 | 11.7 | Cma | 1/20/2012  | 23:15 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | Good | Good | 20" f/4.5 Newtonian | M | 134x - A larger oval glow. Large bright core surrounded by dim, easy to see halo.   |
| NGC 1415  | AM 0338-224 | 12.8 | Eri | 1/21/2012  | 20:41 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | Fair | Poor | 20" f/4.5 Newtonian | M | 134x - A nice, dim, oval galaxy with larger, brighter core and bit of dim halo around it.   |
| NGC 1395  | AM 0336-231 | 11.0 | Eri | 1/21/2012  | 20:46 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | Fair | Poor | 20" f/4.5 Newtonian | M | 134x - A small, slender linear glow. Goes from 2 – 8 o'clock in FOV. Small. Has brighter core with slight bulge in this area of glow.   |
| NGC 1426  | AM 0340-221 | 13.1 | Eri | 1/21/2012  | 20:49 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | Fair | Poor | 20" f/4.5 Newtonian | M | 134x - A circular glow with arms. Has large bright core with lots of detail in core. Seems to have a brighter stellar part then some less bright knots around this one. Core looks different from any others I've ever looked at. |
| NGC 1385  | AM 0335-244 | 11.8 | For | 1/21/2012  | 20:56 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A "lopsided" circular glow. Small. Uniformly lit circular glow. It seems to have a bit of extremely faint halo glow trailing off the lower right of circular glow.   |
| NGC 1371  | AM 0332-250 | 11.6 | For | 1/21/2012  | 20:58 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A cigar shaped glow with large brighter core in center of halo glow. Small.  |
| M-4-8-57  | AM 0316-260 | 13.5 | For | 1/21/2012  | 21:03 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A small oval. Has a small bright core surrounded by a bit of dimmer core. All surrounded by a lot of halo glow. Nice.  |
| NGC 1255  | AM 0311-255 | 12.1 | For | 1/21/2012  | 21:08 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A large, uniformly lit glow. Basically oval in shape but seems more glow on left hand side than right side which seems to taper off while left side rounded.   |
| NGC 1288  | AM 0315-324 | 13.3 | For | 1/21/2012  | 21:15 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A very faint round small smudge of uniformly lit glow.   |
| NGC 1344  | AM 0326-311 | 11.3 | For | 1/21/2012  | 21:21 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A nice, small, oval glow with larger bright core that is brightest in center and dims quickly to halo. Core is oval in shape matching halo glow shape.   |
| NGC 1326B | AM 0323-363 | 13.6 | For | 1/21/2012  | 21:34 | Commanche Springs<br>Astronomy Center,<br>Crowell, TX - Dark Skies | 99.95° W       | 39.98° N      | OK   | OK   | 20" f/4.5 Newtonian | M | 134x - A round glow with brighter core that is not stellar but a bit extended. Maybe the 2 cores of this pair. Dim, yet easy to see a bit of halo around these.   |

Certificate 100 of 100 Observed

Eyepiece Magnifications

19mm - 134x

15mm - 170x

Abbreviations:

FOV - Field of view  
AV - Adverted Vision

13mm - 196x