

NGC Object	Date	Time	Seeing	Trans.	Location	Equipment	Description
16							
95							
128	12/28/2008	18:41	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very small round dim halo glow with tiny star like nucleus seen in center.
210							
245							
255							
266							
268							
274							
450							
470							
474							
520							
533							
536	1/22/2012	21:50	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	263x - Brightest of Hickson Group 10 is a small, linear, uniformly lit glow. 2 bright field stars below glow and near it.
600							
670							
673							
676							
678							
680							
681							
697							
701							
705	8/10/2010	1:09	Great	Great	Keota, CO. Moderately dark skies.	12.5" f/8 Newtonian	19mm - A faint small round glow seen. No details. Just a glow.
748							
750							
777							
788							
864							
877							
895							
922							
941							
945							
949							
955							
958							
972	08/02/08	1:46	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Small, oval glow with larger, hare brighter core seen.
1097	10/05/02	1:07	Good	Good	Okie-Tex Star Party-Kenton, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	80x-Small-bright nucleus. Edge on. Nucleus blends into slender halo. 134x-Relatively brighter circular nucleus blends into long, slender arms.
1140							

1186							
1201							
1232	1/16/2009	18:43	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Larger round glow with large, bit brighter nucleus area. Pretty dim overall yet easy to spot in FOV.
1241	12/28/2008	19:49	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint circular uniformly lit glow. Hint of brighter core area seen.
1247							
1309							
1344	1/9/2010	20:04	Great	Great	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Larger, slender oval. W/AV, see tiny relatively brighter star like core. Then just below this, on halo glow is a very faint point of light.
1357							
1358							
1371	1/21/2012	20:58	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A cigar shaped glow with large brighter core in center of halo glow. Small.
1376	1/16/2009	19:11	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Is right next to NGC 1374 and is circular and very faint. Uniformly lit.
1385	1/21/2012	20:56	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	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.
1395	1/21/2012	20:46	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	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
1415	1/21/2012	20:41	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A nice, dim, oval galaxy with larger, brighter core and bit of dim halo around it.
1417							
1425	1/16/2009	19:01	OK	OK	Deer Trail, CO. Moderately 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.
1426	1/21/2012	20:49	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	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.
1439							
1440							
1452							
1453							
1461							
1569	03/05/05	7:20	Fair	Fair	Pawnee Grasslands, CO- Moderately Dark Sky.	12.5" f/8 Newtonian	134x-A long, linear cigar with lhs fatter and brighter. The brightest part of the nucleus glow is in this part.
1589	1/20/2012	22:07	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A small round, faint halo glow. Has 2 star like points of light on halo glow. One very dim point of light at center of round glow. Above at 2 o'clock is a brighter field star, well outside of halo glow.
1620	1/20/2012	21:54	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A small, round brighter glow. Large bright core with bit of dim halo around it. Just below and very near a dim field star.
1638							

1659							
1888	12/28/2008	19:22	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, dim tilted oval from 1-7 o'clock. Pretty uniformly lit. Most of what can be seen might be the core with maybe a hint of tiny bit of halo glow around it.
2507	1/22/2012	22:22	Great	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	263x - A larger, very dim tilted oval. w/AV can see it has a tiny star like core. Core area seems to have a texture. Most of what is seen is halo glow.
2537	12/28/2008	22:42	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round dim glow. Pretty uniformly lit. Easy to see.
2543							
2545							
2566	1/22/2012	0:50	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A small, faint oval glow in star rich FOV. 2 faint field stars on glow, one of which may be a core.
2608	03/01/08	0:26	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint, elongated fat oval. Uniformly lit. No nucleus seen.
2672	03/01/08	0:32	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. Easy to see. A fat oval halo glow that is almost vertical in FOV. Upper nucleus (2672) is much brighter and round than 2nd nucleus (2673), very near it. See 2nd nucleus w/AV.
2693							
2701							
2718							
2763							
2770							
2798	2/24/2009	19:22	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, very dim, oval shaped with bit brighter central area.
2815							
2820	04/01/05	21:33	Good	Good	Pawnee Grasslands, CO- Moderately Dark Sky.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 250x. Large but very dim glow. Circular in shape and uniformly lit.
2848							
2872	3/12/2010	22:36	Fair	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - This is a round, dim glow with a tiny, relatively brighter core seen.
2874	1/23/2012	1:28	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	180x - An edge on, dim, with hare brighter core.
2907							
2935							
2955							
2967							
2968							
2983							
2997	4/21/2009	21:07	Good	Good	Deer Trail, CO. Moderately 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.
2998							
3003	4/21/2009	21:54	Great	Great	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Long. Slender, dim, uniformly lit glow.

3020	1/23/2012	1:38	Fair	Fair	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	180x - A large, faint oval halo glow. Has a tiny, hare brighter core seen with AV.
3024	1/23/2012	1:38	Fair	Fair	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	180x - A large, faint oval halo glow. Has a tiny, hare brighter core seen with AV.
3027							
3041							
3044	1/22/2012	2:33	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	20" f/4.5 Newtonian	134x - A nice edge on. Easy to see. Long and slender. Slight bulge seen at center. Hint of dust lane bisecting it. Uniformly lit.
3052							
3081							
3091	5/11/2010	23:24	OK	OK	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	A dim oval glow with hint of halo around a larger core.
3320							
3346							
3348							
3367							
3370							
3381							
3389	4/9/2010	0:52	Great	Great	Keota, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – In same FOV as M105 and NGC 3384 is this small, very dim, uniformly lit oval below 3384 and to the right of it.
3396	03/05/05	22:56	Good	Good	Pawnee Grasslands, CO- Moderately Dark Sky.	16" f/5 Newtonian	134x-Above NGC 3395 are 3 other dim, uniformly lit smudges of light. NGC 3413 is linear, NGC 3395 is oval and the largest, NGC 3396, is circular in shape.
3403							
3423							
3433							
3437							
3448	2/24/2009	22:11	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – A tilted oval going from 2-8 o'clock. Small. Uniformly lit. Maybe hint of hare brighter core area. Its pretty dim yet easy to see.
3455	1/23/2012	21:45	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	180x - Near a brighter field star is this very faint, round-oval uniformly lit glow.
3478							
3485							
3495							
3510							
3512							
3549							
3571							
3614							
3660							
3690	2/24/2009	22:33	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – An oval glow, easy to see with tiny star-like nucleus off center and on lower part of halo glow. Goes from 2 – 8 o'clock. This one was neat.

3718	04/27/03	0:40	Fair	Fair	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-2 galaxies in FOV. NGC 3729-This is the smaller one to the left. Small, circular and uniformly lit. There is a field star at the bottom edge. NGC 3718-Is much larger and just as dim. Oval in shape. Has 2 field star on the rhs and 1 on the lhs bounding this galaxy.
3735							
3738	5/12/2010	23:25	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm – Around a bright field star I see 5 glows of light. All real dim. Below field star is small round dim uniformly lit glow of 3738.
3769	2/24/2009	22:45	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – A linear shaped uniformly lit glow going from 11:30 – 5:30 o'clock in FOV. Easy to see. No central brightening of core seen.
3780							
3801	3/13/2010	0:00	Fair	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – 3801 is a slender, dim, uniformly lit glow.
3802	1/23/2012	2:01	Fair	Fair	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	180x - A small, fat oval uniformly lit glow.
3885							
3894	1/23/2012	21:45	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	202x - A tiny oval glow with hint of have brighter core.
3895	1/23/2012	21:45	Good	Good	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	202x - A very faint oval smudge of light. Has hare brighter, larger core area.
3904	5/10/2010	23:01	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round dim glow with larger, little brighter core.
3917							
3923	5/10/2010	23:03	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm - Oval shaped, bright, pretty uniformly lit with maybe a hint of a halo around it.
3955	04/01/05	22:39	Good	Good	Pawnee Grasslands, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Small, edge on oval with hare brighter nucleus. Overall its dim.
3956	04/01/05	22:46	Good	Good	Pawnee Grasslands, CO-Moderately Dark Sky.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 250x . Very dim cigar shaped, uniformly lit glow.
3957	04/01/05	22:47	Good	Good	Pawnee Grasslands, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Tiny, yet easy to see uniformly lit edge on galaxy.
3963							
3968							
3972							
3976							
3981							
4017							
4033							
4050							
4123							
4128							
4145							

4197	1/24/2012	0:59	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	202x - An extremely dim, uniformly lit glow. Fatter in middle.
4206	1/24/2012	0:22	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	202x - This is a thin, short, uniformly lit, <u>very</u> faint sliver of light.
4215							
4283	3/18/2008	3:30	Good	Fair	Crow Valley campground. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Just below and to the left a bit from NGC 4274 is this small, round glow of halo with a little brighter central core seen.
4348							
4378							
4388	5/12/2010	2:25	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm - 4388 is a long slender uniformly lit edge on. Goes from 11:30 - 5:30 o'clock in FOV.
4389							
4412							
4417							
4421							
4425							
4452							
4454							
4455							
4457							
4460							
4461	5/12/2010	2:25	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm - A tiny round smudge of light.
4462							
4469							
4474							
4479							
4496							
4503							
4504							
4517	5/10/2010	23:48	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm - A very long, slender oval, uniformly lit and dim. Has bright field star 1/2 across it and on bottom left edge. Goes from 11:30 - 5:30 o'clock in FOV and is approx 1/3 FOV long.
4521							
4532							
4561							
4564							
4567							
4568							
4580							
4592							
4593							
4597							
4602							
4623							

4632							
4634							
4653							
4658							
4684							
4694							
4700							
4710	5/12/2010	2:52	Good	Good	Texas Star Party- Ft Davis, TX. Very 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.
4731							
4747							
4750							
4771							
4772							
4775							
4779							
4782							
4783							
4790							
4793							
4795							
4808							
4814							
4818							
4825							
4861	6/23/2009	0:12	OK	Good	Deer Trail, CO. Moderately 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.
4868							
4877							
4889	5/13/2010	2:13	Fair	Fair	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm – 4 faint glows seen in FOV. Below a bright field star is a bit larger faint round glow of 4889.
4899							
4933	5/13/2010	22:19	Good	OK	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm – A longer, small, cigar shaped uniformly lit dim glow. Just below and to right of a bright field star. Has a hare brighter core and maybe a dim field star on upper halo glow. Goes from 11 – 5 o'clock in FOV.
4951							
5015							
5016	1/24/2012	2:15	OK	OK	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	263x - A fatter small uniformly lit oval.
5073							
5085							
5101	5/11/2010	0:02	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm – A brighter oval with larger, bright core and dim halo around it. Pretty dim overall.
5112							
5147							
5170							
5230							

5247	5/11/2010	2:34	Good	Good	Texas Star Party- Ft Davis, TX. Very Dark Skies.	12.5" f/8 Newtonian	19mm – Larger, roundish, very dim glow with bit brighter central region in center of glow.
5253	5/11/2010	0:53	Good	Good	Texas Star Party- Ft Davis, TX. Very 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.
5290							
5297	6/23/2009	0:28	OK	Good	Deer Trail, CO. Moderately 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.
5300							
5301							
5324							
5326	6/23/2009	0:49	OK	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A small dim circular glow with tiny brighter core.
5328							
5334							
5347							
5350	6/23/2009	0:49	OK	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A bit larger, circular uniformly lit glow.
5351	6/23/2009	0:49	OK	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A very faint uniformly lit oval glow.
5353	6/23/2009	0:49	OK	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Brightest of all members of this group. Elongated oval with brighter center.
5376	03/21/04	1:28	Good	Good	Pawnee Grasslands, CO- Moderately Dark Sky.	12.5" f/8 Newtonian	An oval, dim galaxy with little brighter nucleus that is easy to see. Halo may extend a bit on each side of nucleus.
5377							
5379	1/24/2012	2:15	Fair	Fair	Commanche Springs Astronomy Center, Crowell, TX - Dark Skies	30" f/4.5 Newtonian	202x - A small, dim oval with brighter, larger core surrounded by a bit of halo glow.
5389							
5395	6/29/2008	22:21	Good	Good	Raymer, CO. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Bottom galaxy in FOV is a larger oval and has hare brighter center. Above it and at 11 o'clock is a hare brighter (overall) circular galaxy with bright core and bit of halo around it.
5406							
5422							
5427	05/25/06	0:18	Fair	Good	Pawnee Grasslands, CO- Moderately Dark Sky.	12.5" f/8 Newtonian	134x (19mm)- 5426 is a dim, long oval, pretty uniformly lit with hint of hare brighter core area. Right next to it on right is a smaller, bit dimmer galaxy (5427). Its more elongated and is perpendicular to 5426. In between them is a very faint field star.
5468							
5574	03/21/04	1:28	Good	Good	Pawnee Grasslands, CO- Moderately Dark Sky.	12.5" f/8 Newtonian	Just above NGC 5366 it is a small, faint smudge of light with a tiny, dim nucleus.
5645							
5665	8/9/2010	21:21	OK	OK	Keota, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – A small, dim, round, uniformly lit glow.
5669							

5678	4/21/2009	23:47	Great	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, dim, oval glow with hare brighter small central area. Situated between 2 field stars and closer to upper left star.
5690							
5701							
5713							
5719							
5729							
5740							
5757							
5792							
5875							
5885							
5898							
5903							
5905							
5908							
5921	07/31/08	21:52	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Small, dim oval galaxy with hare brighter and bigger nucleus.
5949							
5962							
5965							
5984							
6412	08/02/08	0:23	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Very dim, uniformly lit fat oval smudge of light. Very bright field star to lower right and near it at 4 o'clock.
6926							
7013							
7137							
7252	10/27/2008	20:44	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, circular halo glow with larger hare brighter core area seen. Easy to see in FOV.
7302							
7309							
7371							
7385	10/18/2009	0:20	OK	OK	Keota, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Larger oval. To left of dim field star. Hint of a hare brighter core.
7497							
7585	10/27/2008	20:14	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, brighter circular halo glow with larger, hare brighter core area seen on halo glow. Easy to see. w/AV, central part of core is a bright, tiny stellar nucleus. Nice.
7625	10/27/2008	19:31	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very near a very bright field star. Small, dim circular halo glow with brighter core that every once in a while looks stellar. Most of the time it's a larger glow. Easy to see in FOV. Need to put bright field star out of FOV to see it which puts galaxy very near edge of FOV, making it harder to study.
7678	10/27/2008	19:39	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Nice. Easy to see. Very dim elongated oval. Goes from 11 to 5 o'clock. On lower right, glow is bounded by 3 stars and upper left its bounded by 1. Glow fits nicely in between these stars. Dim, hare brighter core seen in very middle of glow.

7721							
7741							
7743							
7753	12/28/2008	17:52	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very dim, round, uniformly lit smudge of light. Very small in size yet easy to see in FOV w/AV. Maybe a hint of something in center of glow.
7769	8/10/2010	0:26	Great	Great	Keota, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Below NGC 7771 and 7770 is a larger, circular glow of 7769. Uniformly lit but very dim with star like core in center of glow.
7771	8/10/2010	0:26	Great	Great	Keota, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - 7771 is a small, linear galaxy, goes from 2 – 8 o'clock with hint of a brighter core area.
7782							

Observational Statistics:

Number
Observed 87 of 300

Magnifications Used:

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

Abbreviations:

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