

Object	Arp Number	Date	Time	Seeing	Trans.	Location	Equipment	Description
NGC 5457 (M101)	26	05/14/88	0:09	Good	Good	TSP-Ft. Davis, TX	12.5" f/8 Newtonian	130x-Low surface brightness. Relatively brighter nucleus. Has 3-4 field stars on it. Can tell a definite spiral structure seen. Fills and dominates FOV. The spiral arms open wider (in a CW Direction) as the move away from the nucleus. Arms are knotty. Easier to see knots above nucleus on arms but the other arm has knots also.
NGC 221 (M32)	168	11/29/86	18:35	Good	Good	Atoka, OK	12.5" f/8 Newtonian	130x- I look at this and M110 EVERY time I look at M31 when its up. It's a nice, bright galaxy with a brighter nucleus area and surrounded by a dim halo.
NGC 4472 (M49)	134	05/12/88	23:15	Good	Good	TSP-Ft. Davis, TX	12.5" f/8 Newtonian	Took a long time to find and verify because of all the other galaxies in the area. 65x-Brighter nucleus with something near it that could be a star. Like 2 nucleuses. Fairly bright. 130x-Best view. Verified 2nd object is a field star. Nucleus quite large and halo disappears quickly from nucleus. Not much halo. Round in shape.
NGC 5194 (M51)	85	05/13/88	20:10	Good	Good	TSP-Ft. Davis, TX	12.5" f/8 Newtonian	130x-One of my favorites. I look at it every time its up. I love the nice spiral structure to the arms and its companion. Never seen the all the bridge to the companion. Impressive galaxy.
NGC 4649 (M60)	116	05/12/88	23:23	Great	Great	TSP-Ft. Davis, TX	12.5" f/8 Newtonian	65x-M60 is a little brighter than M59 and in same FOV. 130x-Round, faint galaxy. Fairly small in FOV. Relatively brighter nucleus dominates object. NGC 4647 is a faint fuzzy near M60 in same FOV. Definite separation between 2 seen. 65x-Could see M60 and 4647 as 2 separate nucleuses. 130x-4647 not uniformly lit. w/AV, can tell brighter nucleus area present. Its one quarter size of M60. Very faint. Appears to have an extended halo.
NGC 3623 (M65)	317	06/27/87	22:15	Good	Good	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	130x-Has a large angular displacement and relatively bright, but could not make out any details.
NGC 3627 (M66)	16	06/27/87	22:20	Good	Good	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	130x-Has a large angular displacement and relatively bright, but could not make out any details.
NGC 1068 (M77)	37	12/21/87	20:55	Fair	Fair	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	65x-Has a bright nucleus and a small bit of halo. It's a small object in the FOV. 130x-Can discern more halo. Could be elliptical in shape. Definitely not circular.
NGC 3034 (M82)	338	05/12/88	0:23	Good	Good	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	65x-Linear shaped (cigar) galaxy. w/AV, saw a dust line going horizontally. At 130x-could see 2 vertical dust lanes with AV. Stretched 3/4 way across FOV.
NGC 4486 (M87)	152	05/12/88	23:53	Good	Good	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	65x-Very small. Has bright nucleus with small halo. Almost uniformly lit. 2 other small galaxies in FOV. Small, starlike nucleuses with fuzzy around them. 130x made galaxy diffused. Smearred out nucleus. Can tell it's a little brighter, but not dominating object.
NGC 4569 (M90)	76	05/12/88	23:47	Good	Good	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	130x-Fills one quarter of FOV. Can tell its tilted a bit but not edge on. Its an elongated oval with a starlike nucleus that is seen with AV.

NGC 4038+39	244	05/03/00	2:20	Good	Good	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	134x-Antenna Galaxy. Fairly dim. Can tell there is a particular shape. W/AV, can see a dust lane that cuts into the middle of it. The entire structure has a comma shape. The back of the comma towards the bottom of the FOV. Can see the dark band cutting down from the top, 1/2 way into the structure.
NGC 5426+27	271	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.
NGC 5490C	79	04/01/05	23:45	Fair	Good	Pawnee Grasslands, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	Two galaxies next to an orange star, with a 3rd very faint sliver of light (IC 982) to the upper left at the edge of the FOV. The larger one (5490) has a bright stellar nucleus with a hint of a circular halo around it. The other (IC 983) is a much smaller version of brighter one and a bit dimmer overall.
NGC 7727	222	08/10/02	2:35	Great	Great	WUTS-Fox Park, WY-Great Dark Sky.	12.5" f/8 Newtonian	134x-NGC 7723-Elongated oval. Uniformly lit. Faint. In same FOV is NGC 7727. Looks circular. Faint. Nucleus is a bit brighter than the halo.
NGC 7448	13	08/11/02	0:46	Good	Good	WUTS-Fox Park, WY-Great Dark Sky.	12.5" f/8 Newtonian	134x-NGC 7448-Very dim oval-little brighter nucleus. In same FOX is NGC 7463which is a very small smudge of light w/starlike nucleus.
NGC 6946	29	08/14/88	1:40	Good	Good	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	65x-Very faint hint of nebulosity. Easy to see in FOV though. Uniformly lit. No nucleus seen. 135x-Almost disappears. Very dim. Very low surface brightness. Hard to tell features. Could be round.
NGC 6217	185	08/10/02	23:50	Good	Good	WUTS-Fox Park, WY-Great Dark Sky.	12.5" f/8 Newtonian	134x-Highly elongated oval w/starlike nucleus to the right side of a little glowing nucleus. The halo is dim.
NGC 5566+60+69	286	03/21/04	1:28	Great	Great	Pawnee Grasslands, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-A small, oval with relatively brighter nucleus. There is a field star on left hand side of halo. Just above (NGC 5560) it is a small, faint smudge of light with a tiny, dim nucleus.
NGC 4631+27	281	07/10/04	23:27	Good	Good	Kim's Place Near Longmont, CO-Fairly dark sky.	12.5" f/8 Newtonian	134xVery long, approx 1/2 FOV in length, and slender. Uniformly lit, maybe cigar shaped. Very easy to see. It was surprisingly huge. There is a tiny field star to the left of the galaxy, centered on the length of it.
NGC 4618	23	07/10/04	23:59	Good	Good	Kim's Place Near Longmont, CO-Fairly dark sky.	12.5" f/8 Newtonian	134x-Very dim (10.8), circular smudge of light. Barely able to see this. This is the limit of the sky right now.
NGC 4490+85	269	05/16/04	1:22	Fair	Fair	Pawnee Grasslands, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-NGC 4485-Very small, dim, circular shaped smudge of light. Much dimmer than 4490. Easily seen with AV. NGC 4490-Large, oval uniformly lit galaxy, in same FOV as 4485. No nucleus glow seen in either galaxy. Both were uniformly lit.

NGC 4438	120	04/26/03	2:25	Good	Good	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-NGC 4435 & NGC4438-Both in same FOV. Right is 38 and is a bit bigger. Uniformly lit nucleus diffuses into dim, circular halo. 35 is on left. Bit smaller than 38 but nucleus more defined and brighter. 35 may be elongated up and down next to circular 38.
NGC 4088	18	04/27/03	1:24	Fair	Fair	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-NGC 4088-Large, oval, uniformly lit, but very dim. NGC 4085-In same FOV as 4088. VERY faint smudge of light. May be oval in shape. Very small compared to 4088.
NGC 4027	22	05/03/00	23:42	Great	Great	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	134x-Moved 1 FOV from NGC 4038 of the 19mm to this object. Very faint, uniformly lit, circular shaped galaxy. There is a field star you can see at the bottom of the object, almost in the extended halo of the galaxy. Maybe it is a little elongated, fatter part to the right of FOV.
NGC 3631	27	04/27/03	0:20	Good	Good	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-Small, round patch of light with a relatively bright nucleus.
NGC 3432	206	04/26/03	1:31	Good	Good	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-Long and linear. Uniformly lit and easy to see. Has 3 field stars at the top end of it.
NGC 3414	162	04/26/03	1:27	Good	Good	North Sterling State Park, CO-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-Small, circular and relatively dim. Nucleus is a bit brighter and extended. Halo is dim and small. Not much of it to see.
NGC 3395+96	270	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.
NGC 3310	217	06/12/88	0:01	Good	Good	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	65x-Looked like out of focus star. 130x-small, circular in shape. Very faint with uniform brightness. Situated near a bright field star.
NGC 3226+27	94	06/11/88	22:45	Good	Good	TAS Observing Site-Atoka, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	65x-Small, dim. Side by side. Both looked like out of focus stars. 130x-Distinct, very faint galaxies. Relatively bright little nucleus with hint of halo around them. Separated by approx 1/8 FOV.
NGC 3193	316	03/05/05	23:33	Good	Good	Pawnee Grasslands, CO-Moderately Dark Sky.	16" f/5 Newtonian	134x-3 faint galaxies in the field of view. NGC 3187 is a very faint sliver of light, the next one to its right, NGC 3189, is a small, brighter edge-on galaxy. This one has a nice nucleus glow. The next one to the right, NGC 3193, is a round halo glow with a tiny, brighter nucleus entered on the glow.
NGC 1961	184	09/25/03	3:44	Fair	Fair	Okie-Tex Star Party-Kenton, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-Faint, large oval smudge of light. Nucleus is a bit brighter. A very faint field star is at 9 o'clock at the edge of the glow.
NGC 1023	135	09/30/02	22:11	Good	Good	Okie-Tex Star Party-Kenton, OK-Moderately Dark Sky.	12.5" f/8 Newtonian	134x-Small in FOV-bright with diffused halo. Halo is elliptical, long and extended. W/AV see halo extend relatively long way away from nucleus.
NGC 3718	214	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 stars on the rhs and 1 on the lhs bounding this galaxy.

NGC 1097	77	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.
NGC 3212	181	04/01/05	21:33	Great	Great	Pawnee Grasslands, CO-Moderately Dark Sky.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 250x. 2 galaxies, one over the other. Both oval smudges of light. The lower one (3212) is two times as large as upper (3215) one. Hint of small, bright nucleus in both.
NGC 5128	153	05/06/05	2:08	Good	Good	TSP-Ft. Davis, TX-Great Dark Sky.	12.5" f/8 Newtonian	134x-Dim, round glow with dust lane that is easily seen bisecting it. 2 field stars on upper part of glow.
NGC 1569	210	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.
Stephen's Quintet	319	08/11/02	0:07	Good	Good	WUTS-Fox Park, WY-Great Dark Sky.	12.5" f/8 Newtonian and 30" f/4.5 Newtonian	134x-NGC 7331-Bright sliver of light. Can see extended halo away from nucleus in both directions. Nucleus gradually dims into halo. Stephens Quintet is near by. I saw 2 pockets of glow. Almost at the limit of my 12.5"scope. Last night in Gary's 30", I say all 5 components. Two nucleuses are very close, the other two were separated a lot more and the fifth glow was by itself. Even in Gary's scope, the fifth was very hard to see.
NGC 2992 NGC 2993	245	02/29/08	23:35	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - 2993 brighter of two and bigger. It's a faint linear oval with hare brighter nucleus and near it and to upper right is (2992) a dim, circular glow, much smaller and uniformly lit. W/AV, maybe central part of this is a hare brighter. Both still pretty dim.
NGC 2418	165	02/29/08	23:49	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A very faint, elongated glow with 2 tiny circular glows on nebulosity. Left glow brighter than right glow, which is almost not there. The two nucleuses are very close to each other and on a line left to right. (In looking at a picture of this, these nucleuses were the two 14.3 mag field stars).
NGC 2535 NGC 2536	82	03/01/08	0:03	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint. An elongated glow from 10 - 4 o'clock. Small, with 2 faint glows seen very close together. Almost not there its so faint.
NGC 2608	12	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.
NGC 2672 NGC 2673	167	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.
NGC 2648	89	03/01/08	0:43	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very small, dim oval glow with 2 tiny, starlike nucleus seen very near each other w/ AV. Both nucleus approx same brightness. Little bit of dim halo glow around these nucleuses. 9mm didn't show anything. (In looking at a picture of this, the right nucleus was a field star of same mag as nucleus).
NGC 5544 NGC 5545	199	06/29/08	22:25	Good	Good	Raymer, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Long cigar shaped. Pretty uniformly lit. Couldn't tell there were 2 galaxies here.

NGC 5394 NCG 5545	84,199	06/29/08	22:31	Good	Good	Raymer, CO. Moderately Dark Skies.	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.
NGC 2276 NCG 2300	25,114	06/30/08	2:36	Good	Good	Raymer, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim oval glow with 2 hare brighter nucleuses next to each other as seen with AV.
NGC6621 NGC6622	81	08/02/08	0:17	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Very faint linear cigar shaped uniformly lit glow. w/AV hints at a hare brighter nucleus area.
NGC 6412	38	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.
NGC 7236	169	08/02/08	0:37	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Very dim oval smudge of light inside a triangle of field stars.
NGC 7469	298	08/02/08	0:42	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Tiny, round glow with brighter star like core.
NGC 7682 NGC 7689	216	08/02/08	0:52	Good	Good	WUTS 2008, Fox Park, WY	12.5" f/8 Newtonian	19mm. Extremely dim oval smudge of light. Saw it by moving FOV which attracted my eye to it.
NGC 7625	212	10/27/08	19:09	OK	OK	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.
NGC 7678	28	10/27/08	19:31	OK	OK	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.
NGC 7753	86	10/27/08	19:49	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very dim, circular smudge of light. Barely there tonight.
NGC 14	235	10/27/08	19:55	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small. Circular glow with very bright stellar core. At 12 o'clock and at very edge of halo glow is a brighter field star that is brighter than core. The glare of this bright field star makes it hard to study the exact nature of this galaxy.
NGC 7585	223	10/27/08	20:14	OK	OK	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.
NGC 7314	14	10/27/08	20:28	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	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 7284 NGC 7285	93	10/27/08	20:37	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	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 7252	226	10/27/08	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.

NGC 833 NGC 835	318	10/27/08	21:22	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – 5 faint, round galaxies make an arc on rhs of a very faint field star. 833 is lower one. Its round with tiny stellar core in center of halo. 835 is next and is a bit larger version of 833. It too has a bright stellar core. 838 is next and is very similar to like 835. 839 is next and it has a dimmer, but easy to see stellar core. 848 is at top. Faintest of all. Maybe a hint of a hare brighter nucleus. All pretty dim yet easy to see. This was pretty cool. Got Uranometria out to validate which galaxy was which.
IC 51	230	10/27/08	21:33	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very faint circular smudge of light. Maybe hint of something at core.
NGC 935	276	10/27/08	21:53	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very faint, linear, uniformly lit glow. A very faint field star is just to the left of this. Pretty dim. No brighter core seen.
NGC 7753	86	12/28/08	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.
NGC 1134	200	12/28/08	19:22	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim. Oval in shape but maybe circular glow with hint of maybe some brightening at core. Just above and to left of a faint field star.
NGC 1143 NGC 1144	118	12/28/08	19:34	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim. Very small. Linear cigar shaped. To the right of very bright field star which makes it hard to see. See 2 tiny extremely dim points of line on glow with AV. They are equidistant from each other and the edge of the glow.
NGC 1253	279	12/28/08	19:40	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Faint, linear cigar shaped uniformly lit glow. Easy to see w/AV. Bright field star to upper left on glow. Goes from 10-4 o'clock in FOV. Nice.
NGC 1241	304	12/28/08	19:49	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint circular uniformly lit glow. Hint of brighter core area seen.
NGC 1232	41	12/28/08	19:57	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Larger, tilted oval glow. w/AV, can see hare brighter larger core in center of glow. But is very subtle. For most part, pretty uniformly lit. Very dim yet easy to see.
NGC 1347	39	12/28/08	20:04	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very small, circular, very dim glow with star like nucleus glow seen in center.
NGC 1316	154	12/28/08	20:16	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice tilted oval. Fairly bright core and bit of halo around it. Goes from 10-4 o'clock in FOV. Then, below it and a bit away, yet in same FOV is NGC 1317 which is a tiny tilted oval, vertical in FOV. Much smaller and dimmer than NGC 1316. This also has a brighter core and dim halo around it. Can tell they are tilted ovals because of extended halo glow at each end.
NGC 1741	259	12/28/08	21:00	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim, small, circular glow. Almost not there. Pretty uniformly lit.
NGC 1614	186	12/28/08	21:04	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - A very dim, linear, vertical sliver of light with 2 very faint star like nucleuses on dim glow. Nucleuses seen with AV, once in a while.

NGC 1888	123	12/28/08	21:12	Good	Good	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.
IC 356	213	12/28/08	22:34	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim, elongated uniformly lit oval.
NGC 2537	6	12/28/08	22:42	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, round dim glow. Pretty uniformly lit. Easy to see.
NGC 2444	143	12/28/08	22:55	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint slender sliver of light with 2-3 very faint stars seen on glow.
NGC 2832	315	12/28/08	23:09	Good	Good	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, dim, round glow with small, bit brighter core area seen on glow.
NGC 2633	80	01/16/09	20:17	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - This is a linear looking flat oval with what looks like 2 brighter, tiny cores offset from center of linear glow. Then in same FOV and to upper left is NGC 2634.
NGC 2523	9	01/16/09	20:25	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very dim, small round glow. Pretty uniformly lit with maybe a hint of something on the glow.
UGC 3730	141	01/16/09	20:32	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - An extremely dim, circular, maybe oval smudge of light. Its barely there yet I can see it with AV.
NGC 2685	336	01/16/09	20:39	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Wind making it hard to study this one. Bounces scope. See a tilted oval with brighter linear core. Think I see 2 tiny star like nucleuses once in a while with AV to each side of center of linear nucleus. Small galaxy overall and dim, yet easy to see. Nice.
NGC 2798	283	01/16/09	21:13	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Small, oval with brighter core area. See bright, tiny stellar core with AV once in a while in center of core area. Pretty small and dim.
NGC 3104	264	02/24/09	19:33	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Very faint smudge of light with 2 very faint field stars on each end of it on halo glow. Uniformly lit. Left star brighter than right. Goes from 9-3 o'clock in FOV. Longer than wide halo glow.
NGC 2911	232	02/24/09	19:46	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. 2 galaxies split by a bright field star. Near each other in same FOV. Both very faint. Better seen with AV. Above field star and to right is 2911. Small, dim circular glow with hint of brighter central area. Below field star and to left and 2 times away is 2914. A bigger circular glow with hint of brighter central area. Going back for a second look, it stands out in FOV and is easy to spot. Details seen with AV.
NGC 2914	137	02/24/09	19:46	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm - Nice. 2 galaxies split by a bright field star. Near each other in same FOV. Both very faint. Better seen with AV. Above field star and to right is 2911. Small, dim circular glow with hint of brighter central area. Below field star and to left and 2 times away is 2914. A bigger circular glow with hint of brighter central area. Going back for a second look, it stands out in FOV and is easy to spot. Details seen with AV.

UGC 5720	233	02/24/09	21:22	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very small, tiny object. Has a bright core and hint of halo around it. Looks like an out of focus stars while other stars in FOV are in focus. Pretty dim though.
NGC 3445	24	02/24/09	22:07	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very small, dim, uniformly lit glow to lower left of a bright, blue-white field star. Maybe hint of a core seen but not sure. Could be circular to fat oval shaped.
NGC 3448	205	02/24/09	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.
NGC 3738	234	02/24/09	22:19	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim fat oval. Pretty uniformly lit. Easy to see. In same FOV as 3756.
NGC 3656	155	02/24/09	22:28	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, uniformly lit circular glow. To lower left and very near is a brighter field star.
NGC 3690	296	02/24/09	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.
NGC 4194	160	02/24/09	22:40	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Small, dim, round halo glow with much brighter star-like core seen in center of halo glow.
NGC 3769	280	02/24/09	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.
NGC 3239	263	02/24/09	23:08	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim, circular smudge of light very near and just below a brighter field star which is part of a triangle with 2 other stars.
UGC 5832	291	02/24/09	23:12	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – A small, uniformly lit circular or fat oval galaxy. It is just below and to right of a dim field star. This is pretty dim overall but easy to spot in FOV.
NGC 3800 NGC 3799	83	02/24/09	23:28	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – 3800 is larger, a linear oval. Uniformly lit. Goes from 9 – 4 o'clock. Then off upper left edge is a round, dim glow of 3799. Both are pretty faint. Maybe a hint of a brighter core region in both. Both pretty faint.
NGC 3664	5	02/24/09	23:45	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Very faint smudge of light.
NGC 5218 NGC 5216	104	2/25/2009	0:15	OK	OK	Deer Trail, CO. Moderately Dark Skies.	12.5" f/8 Newtonian	19mm – Both in same FOV. 5218 is more linear and 5216 is circular. Pretty uniformly lit and dim. 5218 is on right and 5216 is on left. Faint field star to right of 5218. Maybe something see at core of each. There is a hint of a brightening.

Observational Statistics:

Number Observed

101 of 100

Magnifications Used:

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

Abbreviations:

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