Object	Number	Date	Time	Seeing	Trans.	Location	Equipment	Description
Galaxy Trios							_	
7464, 7563, 7465	45	9/30/2005	10:24 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 3 galaxies in FOV. 7463 is the brightest of the 3. All 3 are round and faint. 7463 has a tiny, brighter nucleus glow. 7464 is the 2nd biggest. Round, with a hint of a hare brighter nucleus. 7465 is the smallest. Its round, with a tiny star like nucleus seen. All 3 are easy to see and stand right out in FOV.
5916, 5915	36	7/22/2009	9:47 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Nice. Dim oval glow with 2 small hare brighter nucleuses side by side hear center of halo glow.
6120, 6122, 6119	38	7/22/2009	11:12 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Nice. Faint. Two glows, with the one on the right being a larger oval with 2 tiny dim nucleuses side by side on halo glow. NGC 6120 is on the right and NGC 6119 is the left one. Then above it and very near is NGC 6122 which is this very dim oval glow.
6927, 6928	40	7/23/2009	12:02 AM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - Small oval glow with 2 tiny, brighter star like nucleuses side by side on glow. Oval goes from 10 - 4 o'clock in FOV. NGC 6927 is the nucleus on the left side.
5981, 5982, 5985	37	7/23/2009	12:24 AM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 3 galaxies in a line from 1 - 7 o'clock. All in 19mm FOV. Bottom one is NGC 5981 and is largest of the 3. Small, fat, uniformly lit oval. Dim. NGC 5982 is center one. Small, fat oval has brighter, larger nucleus in center of dim halo glow. Top one is NGC 5985. Dimmest of the 3 and is a long, linear smudge of light that is uniformly lit. NGC 7018 19mm – A very faint circular glow just above a very faint field star. Once eye saw it, pretty easy to tell something is there. This one is mag 13.6.
7018, 7016	41	10/17/2009	20:20 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	NGC 7016 19mm – Then above 7018 and near it and to left is this hint of a smudge of light. This one I am not that sure about but by bumping scope, my eye catches that something is where this one is supposed to be. This one is mag 13.9.
7530, 7534, 7532	47	10/17/2009	22:42 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Top galaxy is 7530. Very faint, uniformly lit round glow. A bit below and to left is 7532. A dim round glow with hare brighter core. Near it and straight below is 7534. Exactly like 7532. A dim round glow with brighter core.
7700, 7701	48	10/17/2009	22:51 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Two circular faint glows with hint of hare brighter core in center of glows. Both look same. 7700 is top one and 7701 is below. Very near each other.
2854, 2856, 2857	17	1/9/2010	11:23 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	2 very faint oval smudges of light. 2854 and 56 look the same and are near each other and to right and a bit away, but in same FOV is a much fainter smudge of light 2857. All pretty faint and uniformly lit.

		1				T		40 mm. Nice Two relevies near each other hut not
								19mm – Nice. Two galaxies near each other but not
								touching. Upper right is bigger and brighter than lower left
								once. Then above these 2 and to left is 2295. It looks
								similar to large galaxy 2293 below it. All 3 dim ovals with
						Deer Trail, Colorado.		brighter cores seen. Very had to see because low in south
2292, 2293, 2295	12	1/9/2010	10:28 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	and sky is softer there now.
								19mm – 3 galaxies, all very dim, round uniformly lit that
								forms a triangle. Very tight grouping. Can see all 3
						Deer Trail, Colorado.		separately. They all looked about the same.
1721, 1725, 1728	11	1/9/2010	9:43 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	Nice.
, -, -								19mm – 3 very tiny, faint, smudges of light. Basically
								vertical in FOV and very near each other. Middle one
						Deer Trail, Colorado.		faintest, bottom one second faintest and top one brightest.
2020 2020 2021		3/12/2010	9:03 PM	ок	ок	Moderately Dark Sky.	12.5" f/8 Newtonian	Still all 3 are very faint.
2929, 2930, 2931		3/12/2010	9.03 PIVI	UK	UK	Moderately Dark Sky.	12.5 1/8 Newtonian	
								19mm – Two very faint glows seen. Upper one (NGC
						D T II O. I.		2991) is dimmer and lower one is larger (NGC 2994 &
					1	Deer Trail, Colorado.		NGC 2988). Lower one is uniformly lit. Upper one may
2991, 2988, 2994		3/12/2010	9:21 PM	OK	OK	Moderately Dark Sky.	12.5" f/8 Newtonian	have hint of a tiny, stellar core.
								19mm - Can see all 6 very faint, uniformly lit glows. Can
1								see 2389 is nice and round. Below it and nestled in
								amongst some faint field stars is a tiny, oval glow 2385
								and to right is a tiny glow of 2388. In same FOV and near
								these 3 and to right of them are 3 very faint oval glows of
								2379 (largest of these 3), 2375 and dimmest of 6 is 2373.
								This is the second time I went for these and with the light
								baffle in place, these were much easier to see for the
								·
								background sky was much darker and I took a picture to
								the field to help identify where the galaxies were hiding in
						Keota, Colorado. Moderately		the star field. 13mm eyepiece didn't show these as good
2388, 2389, 2385		4/8/2010	9:29 PM	Great	Great	Dark Sky.	12.5" f/8 Newtonian	as the 19mm.
								19mm - Can see all 6 very faint, uniformly lit glows. Can
								see 2389 is nice and round. Below it and nestled in
								amongst some faint field stars is a tiny, oval glow 2385
								and to right is a tiny glow of 2388. In same FOV and near
								these 3 and to right of them are 3 very faint oval glows of
								2379 (largest of these 3), 2375 and dimmest of 6 is 2373.
								This is the second time I went for these and with the light
								baffle in place, these were much easier to see for the
								background sky was much darker and I took a picture to
						lk O.I		the field to help identify where the galaxies were hiding in
				1_	1_	Keota, Colorado. Moderately		the star field. 13mm eyepiece didn't show these as good
2373, 2375, 2379		4/8/2010	9:29 PM	Great	Great	Dark Sky.	12.5" f/8 Newtonian	as the 19mm.
								19mm – There is a small, oval glow with maybe 2 very
					1			faint star like cores very close together in center of glow.
					1			This could be NGC 2511 & 13. Don't know if I saw 2510,
						Deer Trail, Colorado.		but there is something to the left and a bit above that
2510, 2513, 2511		3/12/2010	10:23 PM	ОК	ОК	Moderately Dark Sky.	12.5" f/8 Newtonian	shows a hint of something being there.
		5, 12,2010	. 5125 1 111		1			19mm – This is a round, dim glow with a tiny, relatively
					1			brighter core seen. NGC 2873 is below 2872 and is a long,
								slender, uniformly lit glow. Both approx the same, dim
					1	Door Troil Coloreda		
0070 0070		0/40/0045	40.00 517			Deer Trail, Colorado.	40 511 (/0 2)	magnitude. Didn't see NGC 2874 in between them as
2872, 2873		3/12/2010	10:36 PM	JUK	OK	Moderately Dark Sky.	12.5" f/8 Newtonian	charts indicate.

			<u> </u>				40mm Dright tilted eval with larger brighter
							19mm – Bright, tilted oval with larger, brighter core.
							NGC 3384 19mm – This is smaller than M105 yet a
							bright
							tilted oval with a large, bright core.
					Deer Trail, Colorado.		NGC 3389 19mm – this is a dim, uniformly lit, larger
M105, 3384, 3389	3/12/2010	11:20 PM	ок	ОК	Moderately Dark Sky.	12.5" f/8 Newtonian	oval.
	0,12,2010	11.201111	10.1		mederately Bank City:	1210 1/01101110111011	19mm – NGC 2856 is the one on the lower right. A very
							small, dim, uniformly lit oval. NGC 2857 & 2854 are
					Deer Trail, Colorado.		together and form a hare brighter, dim, uniformly lit oval,
2854, 2856, 2857	3/12/2010	11:23 PM	ОК	ОК	Moderately Dark Sky.	12.5" f/8 Newtonian	perpendicular to 2856.
							19mm – There are 2 galaxies very near each other. 3801
					Deer Trail, Colorado.		is a slender, dim, uniformly lit glow. Then above it is 2806,
3801, 3806	3/13/2010	12:00 AM	OK	OK	Moderately Dark Sky.	12.5" f/8 Newtonian	a bit larger, rounder, but still a uniformly lit dim glow.
							19mm – 4 very faint galaxies in FOV. All look about the
					Deer Trail, Colorado.		same. Small, very dim, round glows of light. All very close
4076, 4059, 4066, 4055, 4065	3/13/2010	12:30 AM	OK	OK	Moderately Dark Sky.	12.5" f/8 Newtonian	to each other.
							19mm – Can see all 3. 4333 is brightest. Round glow with
							hare brighter, larger core. Above it is an extremely dim
							smudge of light which is 4339. Then above 4339 and to
	0/40/0040		014	0.7	Deer Trail, Colorado.	40 = 11 (/0)	left is a hint of a glow of 4326. It is extremely faint yet can
4333, 4326, 4339	3/13/2010	1:12 AM	OK	OK	Moderately Dark Sky.	12.5" f/8 Newtonian	see it once in a while.
							19mm – 3 galaxies all near each other, in same FOV, yet
							separate. 3205 is near a star. 3207 is the brightest of all 3
							very dim, round glows. 3207 has a hare brighter core. 3205 has a hint of a core. 3202 is uniformly lit. w/AV, can
					Keota, Colorado. Moderately		see all glows easily, with 3202 the largest of 3. 3205 is
3205, 3207, 3202	4/8/2010	20:40	Great	Great	Dark Sky.	12.5" f/8 Newtonian	second largest. All still very dim.
3203, 3207, 3202	4/0/2010	20.40	Oreat	Great	Texas Star Party. Ft Davis, Tx.	12.5 i/o Newtonian	19mm – Hint of a small glow in area that there is
5801, 5802, 5803	5/11/2010	3:48 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	something there. Verified I am in correct star field.
	9/11/2010	0.107	10000	1	Texas Star Party. Ft Davis, Tx.	12.0 ., 0 . 10	19mm – Very dim oval glow. Small in size. W/AV can see
5916A	5/11/2010	3:52 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	center of glow has hare brighter core.
							, and the second
							19mm – 5614 & 15 are together. A dim, yet easy to see
							round glow with 2 tiny, dim star like cores seen just next to
							each other on glow. 5613 is an extremely dim smudge of
					Texas Star Party. Ft Davis, Tx.		light to the upper left of these two and very near it. Almost
5614, 5615, 5613	5/11/2010	3:59 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	not there yet my eye is drawn to it if I move the FOV.
							19mm – 5153 and 5150 are together but separated,
							vertical and look the same. Small circular halo glows with
					Tayon Otan Danta Ft Danis T		brighter cores seen in center of glows. Then to left and a
[F4F2 F4F0 F4F2	F/40/0040	10.10 114	Cost	C a a -1	Texas Star Party. Ft Davis, Tx.	40 Ell f/0 Novetonion	bit below two is a much smaller and dimmer circular glow
5153, 5150, 5152	5/12/2010	12:16 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	of 5152. This one has a star like, bit brighter core.
							19mm – 3 very small faint galaxies forming a triangle. Bottom left (3995) is largest, oval, dim with something little
							brighter at core. Bottom right (3994) is more linear and is
							pretty uniformly lit. Tiny also. Then above these two and a
							little bit farther away than distance between first 2 is (3991)
					Texas Star Party. Ft Davis, Tx.		this tiny, round uniformly lit glow. A bright field star just
3995, 3994, 3991	5/13/2010	12:31 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	below bottom two.
5555, 555 - 7, 555 i	3/13/2010	12.01 AIVI			Park Oklob.	12.0 1/0 NOWIOIIIAII	SOLOH SOLIOH MO.

								19mm - 5076 is to the left and is an elongated tiny oval
						Texas Star Party. Ft Davis, Tx.		with star like core. To right and near it is 5079, a very faint
5079, 5076		5/13/2010	1:11 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	round uniformly lit smudge of light.
								19mm – 4716 is to the left and is a very faint small round
								glow. 4717 is next to it and to the right and is smaller than
						Toyon Stor Porty Et Dovin Ty		4716 but just as dim. Looks like an 8 on its side when you
4716, 4717		5/13/2010	1:45 AM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	make the top part smaller than the than the bottom part of the 8.
Hickson Groups		5/13/2010	1.45 AIVI	Good	IGood	Dark Skies.	12.5 1/6 Newtonian	trie o.
iickson Groups		1			<u> </u>	7		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.
								Looked at it again on 11/2/07, at 10:24 PM on Pawnee
								Grasslands. 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
						WUTS-Fox Park, WY-Great	12.5" f/8 Newtonian and	hare brighter nucleus. Didn't see 7336 where it was
Stephen's Quintet	92	8/11/2002	12:07 AM	Good	Good	Dark Sky.	30" f/4.5 Newtonian	supposed to be.
stophen's Quintet	32	0/11/2002	12.07 7(17)	0000	0000	Dank Oky.	oo ii iio i towtoillaii	3 galaxies in the FOV, 2 very close together. The close
								pair can see a nucleus glow in both. They are VERY close
								together. The lower left galaxy (7674) is larger than the
								upper right (7675). A small amount of halo surrounds both
								of them Then up above 7674 is a galaxy (M+1-59-81) with
								a small, dim nucleus glow with a tiny bit of halo around this
						Pawnee Grasslands in NE		one also. All the nucleuses were almost starike, tiny points
7674, 7675, M+1-59-81	96	12/3/2004	7:27 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	of glow.
								19mm-3 faint galaxies in the field of view. 3187 is a very
								faint sliver of light, the next one to its right, 3189, is a
								small, brighter edge-on galaxy. This one has a nice
						Pawnee Grasslands in NE		nucleus glow. The next one to the right, 3193, is a round
3193, 3189, 3187	44	3/5/2005	11:33 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	halo glow with a tiny, bright nucleus centered on the glow.
								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
						D Turk Oak		of all. Maybe a hint of a hare brighter nucleus. All pretty
200 005 000 000 040	4.0	40/07/0000	0.00.514			Deer Trail, Colorado.	40 511 (/O N) - 1 - 1	dim yet easy to see. This was pretty cool. Got Uranometria
833, 835, 838, 839, 848	16	10/27/2008	9:22 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	out to validate which galaxy was which.
17/1	24	12/28/2009	0.00 DM	Good	Good	Deer Trail, Colorado.	12 5" f/9 Novetonian	19mm - Very dim, small, circular glow. Almost not there.
1741	31	12/28/2008	9:00 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	Pretty uniformly lit.

	ı	1			T		T	
								NGC 5326 19mm - A small dim circular glow with tiny
								brighter core.
								NGC 5313 19mm - A small, circular, uniformly lit glow.
								NGC 5353 19mm - Brightest of all members of this group. Elongated oval with brighter center.
								NGC 5354 19mm - A uniformly lit oval glow a bit dimmer than 5353.
								NGC 5365 19mm - A hint of a small circular smudge of light.
								NGC 5350 19mm - A bit larger, circular uniformly lit glow.
								NGC 5371 19mm - A circular uniformly lit glow to the left of other galaxies.
E006 E040 E0E0 E0E4 E06E						Door Troil Colorado		NCC 5254 10mm A york faint uniformly lit aval glavy
5236, 5313, 5353, 5354, 5365, 5350, 5371, 5351	68	6/23/2009	12:49 AM	Fair	Fair	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	NGC 5351 19mm - A very faint uniformly lit oval glow.
								19mm - Just to the left of a bright field star is this small, very dim oval glow. Pretty uniformly lit. Maybe hint of a 2nd
6162 a & b	82	7/22/2009	11:01 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	glow just to the left of this one and very near it which would be NGC 6162b.
0102 4 4 5	02	112212003	11.01110	0000	0000	Colorado. Moderately Dark Oky.	12.5 1/6 Newtornari	19mm - See only 1 very dim tiny oval glow. Nailed the star
						Pawnee Grasslands in NE		field to this location. Low in south and it's a bit soft in
ESO 451-7	86	7/22/2009	11:46 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	seeing down there.
						Deer Trail, Colorado.		19mm - 3 very dim, oval glows together with hare brighter cores. Very hard to see with AV. Maybe there are parts a,
	79	8/20/2009	9:11 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	b and c. Very compact. Very near each other.
						Deer Trail, Colorado.		19mm - w/AV I think I see a very small dim smudge of
	77	8/20/2009	9:21 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	light. Not sure but am in the correct star field.
6977, 6976, 6978	88	10/17/2009	20:31 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – 6978 is the bottom one. It is a tiny, dim circular uniformly lit glow. Above it and next to it is 6977. An identical shape and glow to 6978. Then above 6977 and near it and to left a bit is this tinier, round smudge of light.
						Pawnee Grasslands in NE		19mm – Below 2 faint field stars is a round glow of 7214. On its center is a very faint star like nucleus. Then below it and to right, w/AV and waiting, see 2 faint points of light with parts d and c below. Really cool. c is mag 15.0 yet it's
7214, M-5-52-35, M-5-52-36	91	10/17/2009	20:47 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	a star like point of light.

7176, 7174, 7173, 7172	90	10/17/2009	20:59 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – 7176 and 7174 are a combined glow. Fairly small round glow with brighter core. Below it is (c) 7173 is a smaller round glow with a tiny, brighter, star-like core. Then below this and a bit away is (a), 7172, which is an uniformly lit oval dim glow.
7170, 7174, 7173, 7172	15	1/9/2010		Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Can see a very faint doublet stars and very near it can see tiny, very faint nucleuses of parts a, b, c and d with AV.
	25	1/9/2010	8:12 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Found the asterism and where x is, is a very faint, small, compact glow. Very faint yet easy to see once eye adjusts to this dim object.
	23	1/9/2010	8:18 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – An extended, very faint glow with 2 brighter, yet very dim cores seen on this glow (parts a & b). There is a hint of a third, much dimmer core seen (part d).
1214, 1215	22	1/9/2010	8:44 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – NGC 1214. Nice, brighter oval. Uniformly lit. Hint of part b (NGC 1215) to upper left. So dim is was like a star, a stellar core.
	24	1/9/2010	8:51 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – This is faint. There is a hint of something in FOV. I can wiggle the scope to reveal it. Was too dim to make out any details.
	21	1/9/2010	8:52 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A very small, dim round glow.
	19	1/9/2010	8:58 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A dim smudge of light.
	30	1/9/2010	9:55 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A very faint round, uniformly lit glow with a couple of faint field stars on glow.
U5345	41	4/8/2010	8:47 PM	Great	Great	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Extremely dim, very small linear glow. w/AV and waiting can see it is there. Uniformly lit.
2783	37	4/9/2010	12:03 AM	Great	Great	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – An extremely dim round to oval smudge of light just below the left of 2 brighter field stars.
	40	5/11/2010	10:28 PM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – An irregular extremely faint glow with 2 or 3 star like cores seen on glow of parts a, c and d.
	48	5/11/2010	11:08 PM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – A dim, uniformly lit oval glow.
	42	5/11/2010	11:24 PM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – A dim oval glow with hint of halo around a larger core.
	63	5/12/2010	12:21 AM	Great	Great	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – A very dim, oval to round glow. Pretty uniformly lit with maybe a hint of a core at center of glow.
	60	5/12/2010	11:05 PM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – There is a hint of the a part. As least my eye says there is something there.
	58	5/13/2010	12:55 AM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – A tiny, round very dim glow with a tiny star like core of 3882. Then above it and near is a bit dimmer round smudge of light of 3825. Extremely faint yet easy to see.
Other Galaxy Groups	67	5/13/2010	1:32 AM	Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – 5306 is a fat oval shape, extremely dim and small. On glow in a line are 2 star like extremely faint cores seen w/AV. This could be M-1-35-15.

Other Galaxy Groups

		-				3	_	
7331, 7335, 7337, 7340	47	11/2/2007	10:24 PM	OK	Good.	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	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.
M65, M66, 3628	18	4/1/2005	9:55 PM	Good	Good.	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm. One large bright oval shaped ?M65) and the other (3628) 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 noce oval, tilted galaxy with a bright nucleus glow in the center of the oval.
5490, IC982, IC983	36	4/1/2005	11:45 PM	ок	Good.	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.		19mm - Two galaxies next to an orange star, with a 3rd very faint sliver of light (982) to the upper left at the edge of the FOV. The larger one (5490) has a bright stellar nucleus with a hint of a circular halo around it. The other (983) is a much smaller version of the brighter one and a bit dimmer overall.
3599, 3607, 3605, 3608	17	2/24/2006	1:34 AM	Great.	Good.	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.		19mm-Very faint, round smudge of light (3599) with a brighter nucleus glow and at times a stellar point on glow. Just to the east are 3 circular glows, with the middle one the brightest (3607) the lower one 2nd brightest (3608) and the top one the dimmest (3605). Larger 2 have a nice bright nucleus with a bit of halo around them seen. 3605 has a tiny, dim, yet stellar nucleus seen on a very dim glow.
5047, 5037, 5049, 5054	37	3/20/2004	1:44 AM	Good.	Good.	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 5054 is small, very dim, uniformly lit and circular. Maybe a hare brighter nucleus. There are 3 other galaxies in FOV. 2 (5047 and 5037) are very faint, circular smudges of light and the 3rd (5049) is oval in shape with hare brighter nucleus.
M50, M60, 4647, 4660	31	5/7/2004	10:31 PM	OK.	OK.	East of Longmont, CO. Rural lit skies.	12.5" f/8 Newtonian	19mm - M59, M60, NGC 4647 and NGC 4660 all in same FOV. M60 is a small, dim circular patch of light with a relatively brighter nucleus that is easy to see. NGC 4647 is a very faint glow right next to M50 w/barely a hare brighter nucleus. M50 is smaller than M60 and is a circular patch of light and has a star like nucleus. NGC 4660 is oval in shape, dim and almost as bright as M60 with a hare brighter nucleus, but for the most part, is uniformly lit.
7623, 7619, 7626	5	9/30/2005	11:41 PM	Good	ОК	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 7619 is the biggest of the 3, with 7623 just a hare smaller and 7626 just a tiny halo. All 3 have a nice nucleus glow. 19 and 23 are bright, circular nucleus that dims into a nice round halo. 7626 has a tiny halo with a star like nucleus seen on halo glow.

								NGC 1380 19mm – Nice tilted oval with larger, brighter core and tiny bit of halo around it. NGC 1381 19mm – Is dim, maybe oval with hint of hare
								brighter central region.
								NGC 1374 19mm – Is small, dim circular uniformly lit glow.
								NGC 1376 19mm – Is right next to NGC 1374 and is circular and very faint. Uniformly lit.
								NGC 1387 19mm – Is a bit of an oval. Dim. Uniformly lit.
								NGC 1379 19mm – Is a dim, circular glow.
								NGC 1389 19mm – Is a very small, dim, round glow.
1380, 1381, 1387, 1389, 1386	10	1/16/2009	7:11 PM	OK		Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	NGC 1386 19mm – Is a smaller and dimmer version of NGC 1389, which was a very small, dim, round glow.
								M84 19mm - More oval shaped with nice bright core. In same FOV as M86.
								M86 19mm - Nice, round, bright. Has nice large bright core. In same FOV as M84.
								IC 3672 19mm - Right next to M59 is a smaller, oval, uniformly lit glow.
								M91 19mm - Small, round glow with tiny, bright core.
Markarian's Chain	27	3/18/2007	1:30 AM	ОК		Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	M88 19mm - Nice, large oval halo glow with nice, large, bright core.
								19mm - M106 is a nice, long tilted oval with nice, large bright core. To the left and above it is NGC 4248. A dim, long slender shape with a hare brighter core area. Above
						Pawnee Grasslands in NE		4248 and a bit away is NGC 4217 which is a long, slender dim, uniformly lit glow right next to a bright and brighter
M106, 4217, 4248	24	7/22/2009	10:10 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	field stars. Easy to see. 13mm doesn't show it any better. 19mm - NICE!!! One of my favorites. Long, slender edge
								on with brighter, round core with nice central bulge. Center
NGC 4565	30	3/18/2007	2:24 AM	OK		Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	tapers to nice extended arms that dims slowly to nothing. Almost 7/8 of 19mm FOV in length.

	1	1						
								M49 19mm - Nice, round halo glow with brighter core. Bright field star at 4 o'clock of it and on glow.
								NGC 4470 19mm - Just above M49 and to its right is this dim, round halo glow with tiny, brighter nucleus glow seen.
						Pawnee Grasslands in NE		NGC 4519 19mm - Large, roundish dim glow with mottling seen. Nice bright edge on. Brighter core and central bulge and tapers and dims slowly on each side into extended
M49 (4472), 4470, 4519	28	3/17/2007	2:22 AM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	halo arms.
								M61 19mm - Nice, large round glow with tiny bright core.
								NGC 4339 19mm - Bright, easy to see with DV. Round
								glow with brighter core and stellar nucleus seen in center of core glow. Hint of halo seen around central core glow.
						Pawnee Grasslands in NE		NGC 4333 19mm - Above NGC 4339 is this tiny, dim
M61 (4303), 4339, 4333	25	3/17/2007	1:46 AM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	round glow with very dim stellar core seen with AV.
								M87 19mm - Nice, tilted oval halo glow with larger,
								brighter core.
								M90 19mm - Nice. Long linear glow with brighter central region.
						Pawnee Grasslands in NE		M89 19mm - Nice bright round glow with small, bright
M87, M89, M90	29	3/18/2007	1:33 AM	OK	OK	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	core. 134x (19mm) – A dim round glow with much brighter
								nucleus that is larger than stellar. It IS nestled in the
3158	16	4/20/2006	23:59 PM	Great.	Great	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12 5" f/9 Nowtonian	middle of a triangle of 3 faint stars. Nucleus best seen w/AV.
3136	10	4/20/2000	23.39 FIVI	Great.	Great	Colorado. Moderately Dark Sky.	12.5 1/6 Newtornari	19mm - Very faint, round smudge of light with brighter
								nucleus glow and at time a stellar point on glow. Just to
								east are 3 circular glows, with the middle one the brightest (3607) the lower one 2nd brightest (3608) and the top one
								the dimmest. Larger 2 have nice bright nucleus with a bit
						Pawnee Grasslands in NE		of halo around them seen. 3605 has a time, dim, yet stellar nucleus seen on a very dim glow. All this seen with 19mm
3599, 3605, 3607, 3608	17	2/25/2006	1:34 AM	Good.	Good.	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	eyepiece.
								NGC 4379 19mm - Small, round glow with tiny brighter core seen on center of glow. Easy to see with DV.
								Core Seen on center or glow. Lasy to see with DV.
								NGC 4312 19mm - Small, cigar shaped oval with hint of a hare brighter core area.
						Pawnee Grasslands in NE		M100 19mm - In same FOV and to left of NGC 4312 is this NICE, large bright oval halo glow with small, round
M100 (4321), 4312, 4379	26	3/17/2009	3:56 AM	OK	OK	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	brighter core.

				1	1			NGC 5850 134x (19mm)- Small, dim round glow with tiny
								core, a bit brighter than halo and also a tiny stellar dot on this core seen right in the middle.
5846, 5850	40	5/25/2006	1:36 AM	ОК	OK	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	NGC 5846 134x (19mm)- This is a bit larger and more round than 5850. Uniformly lit.
								NGC 7184 19mm – Nice faint edge on. Long cigar shaped with hare brighter central area and bit dimmer halo arms.
								NGC 7180 19mm – Above 7184 and in same FOV is a small dim oval with a hint of a core.
								NGC 7185 19mm – To right of 7180 is this very dim, uniformly lit circular smudge of light. 7184, 7180 and 7185 in same FOV.
7184, 7180, 7185, 7188	46	10/17/2009	19:30 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	NGC 7188 19mm – To right of 7185 and below it. Can see a hint of a tiny circular smudge of light. Extremely dim yet the more I stare at star field, I am convinced that something is there.
,		76, 11, 2000			3333	Pawnee Grasslands in NE	12.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	19mm – Very faint round smudge of light. By staring at it w/AV I see it, once in a while, it pops clearly into view and can see a hint of a brighter central area on a circular, faint
7103	45	10/17/2009	19:56 PM	Good	Good	Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	glow.
1129	9	10/17/2009	23:43 PM	OK	OK	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Small, round to oval shaped dim glow. Pretty uniformly lit.
7386, 7385, 7383, U 12202	48	10/18/2009	12:20 AM	OK	ОК	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – 7385 is biggest and brightest. Larger oval. To left of dim field star. Hint of a hare brighter core. Above it is 7386. A very dim circular uniformly lit glow. Below and to left is 7383, a bit bigger than 7386 yet round, very dim, uniformly lit glow. Then a bit to right, out by itself, is UGC 12202. A dim, oval uniformly lit glow, like 7383. All very dim yet easy to see in same FOV.
2943		3/12/2010	10:45 PM	ОК	ОК	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A very dim, oval, uniformly lit smudge of light.
IC 696		3/12/2010		ОК	ОК	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A long, slender, uniformly lit, fairly dim halo glow. Can see arms coming off central bulge on each side. Goes from 9:30 – 3:30 o'clock in FOV. Fairly large. Has tiny, really bright star like core in center of halo glow.
4005		3/13/2010		ОК	ок	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A very faint oval glow. w/AV, see 3 or so extremely faint stars on glow. Stars on upper right side of glow.
3730		3/13/2010		ОК	OK	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – A very small, very dim oval glow with 2 brighter stars on very dim glow.
2289		4/8/2010	9:37 PM	Great	Great	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Very faint, dim, oval, uniformly lit smudge of light.
2804		4/8/2010	9:45 PM	Great	Great	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Extremely dim, yet larger round halo glow with tiny, relatively brighter core seen in center of circular glow.

2340		4/8/2010	11:30 PM	Great	Great	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Very dim, oval glow. Uniformly lit. Larger than most galaxies I've seen tonight, yet still small.
5754		5/11/2010		Good	Good	Texas Star Party. Ft Davis, Tx. Dark Skies.	12.5" f/8 Newtonian	19mm – An extremely faint, larger round uniformly lit smudge of light. My eye is drawn to it when I move the FOV.
Abell Clusters	•	•					•	
	20	4/1/2005	8:13 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	20" f/4.5	250x - Small, dim glow to the right of a brighter field star.
	539	4/1/2005	7:41 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	20" f/4.5	250x - Real faint glow w/hare brighter nucleus. Its to the right of and next to a bright field star.
	2147	7/22/2009	10:37 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - A larger, very dim (magnitude 14.2)circular glow. Uniformly lit. It is just above a little brighter field star.
	2152	7/22/2009	10:38 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - An extremely dim, small circular smudge of light.
	2151	7/22/2009	10:41 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - An extremely dim, small, circular, maybe fat oval smudge of light.
	2162	7/22/2009	10:49 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - A very dim, tiny oval with hare brighter core. Looks like an out of focus star.
	2197	8/20/2009	9:45 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 6173 is to the left and approx 1 FOV away from 6180 on a line from 2 - 8 o'clock. 6180 is a dim oval. Easy to see w/AV and has 3 extremely dim stars on the glow. 6173 is small, oval glow with hare brighter nucleus and hint of a star like nucleus in center of glow. All seen with AV. Then to left another FOV is 6146. A small, brightest of 3, round glow with brighter core seen. The brighter field stars match finder chars that are in the vicinity of these 3 galaxies. Nice.
	2199	8/20/2009	9:55 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - 6166 is an oval, maybe round uniformly lit glow. NGC 6166 See w/AV but see its larger with AV. 6137 is a small, dim, round glow best seen w/AV. 6134 is near 6137 and is to the left of a very dim field star. 6134 is a very dim, round uniformly lit glow seen w/AV. Almost not there but I can see it.
	347	10/17/2009	22:09 PM	Good	Good	Pawnee Grasslands in NE Colorado. Moderately Dark Sky.	12 5" f/8 Newtonian	19mm – 909 is a small faint round glow with hare brighter core. 906 is to lower right. A bit bigger round glow than 909 and hare brighter core. Above these is 914, a faint uniformly lit glow. Below these 3 and near a field star is the faint round glow of 911. The below 911 is 910, a bit larger, but very faint round uniformly lit glow.
	400	1/9/2010	6:43 PM	Good	Good	Deer Trail, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm – Very faint found glow at the end of a chain of 3 stars. Stars match picture I printed.

Г				1		1	T	Money Theory of Control of the Control
			1					19mm – These galaxies had stellar cores and not any
			1					halo. Saw 3 of these members. Matched the picture I had
		1	1			Door Troil Coloredo		of them. E480-27 and M4-14-35 were very near each
	T 40	1/0/2010	0.42 DM	Cood		Deer Trail, Colorado.	40 F" f/O Novetonion	other and M-4-14-37 was a above these and a bit away
	548	1/9/2010	9:13 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	from them. All in same FOV.
		1	1					19mm – Nice. 9 members seen. U4289 is biggers and
		1	1					brightest with maybe a hint of brighter core. Rest uniformly
			1					lit but easy to see. C 287-56 a faint smudge as is U4270.
			1					Rest are like out of focus stars while rest of stars in FOV
		1	1					are pin points. Used printed picture to find asterisms to
			1					help spot these galaxies. The 2 galaxies right next to each
			1			Deer Trail, Colorado.		other (U4289 & C-287-61) stood right out and identified
	634	1/9/2010	11:04 PM	Good	Good	Moderately Dark Sky.	12.5" f/8 Newtonian	this grouping.
								19mm – 3 faint galaxies in a row. Pretty dim and uniformly
		1	1					lit little fuzz balls. U3696 on upper right. To lower left and
			1					next to it is a larger, round glow of 2329. Then to right and
			1			Keota, Colorado. Moderately		at end of chain of 2 dim stars is this out of focus star of
	569	4/8/2010	11:30 PM	Great	Great	Dark Sky.	12.5" f/8 Newtonian	C234-59.
								19mm – NGC 2832 is a larger, round glow with brighter
		1	1					central region. Then off to the right and near it in same
			1					FOV is a dim, round smudge of light of NGC 2839. Not
			1			Keota, Colorado. Moderately		seeing any other members of this group on my picture I
	779	4/8/2010	11:30 PM	Great		Dark Sky.	12.5" f/8 Newtonian	have of this cluster.
		1,0,2010	11.001 11.	Oroat	<u> </u>		1210 1/01101110111011	
		1	1					19mm - Just below a bright field star are these galaxies.
			1					3311 and 3309 are together with a combined halo glow.
			1					See 2 tiny star cores on this very small glow. To left is a
			1					very dim smudge glow of 3308. To right of these two is a
		1	1					tiny glow smudge of 3312. To right of these 4 is a bit
		1	1					larger, uniformly lit glow of 3316. On opposite side of
		1	1					
		1	1					bright field star and a bit away (approx 1 ½ FOVs) is a
		1	1					large oval, uniformly lit glow of 12597. Then to left of this is
		1	1					a tiny smudge of light of M-4-25-43. Even though all
		1	1					members are very faint, easy to see all of them. By upper
			1			Texas Star Party. Ft Davis, Tx.		dim star that 3311 et. al. was between are the two tiny,
	1060	5/11/2010	10:40 PM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	extremely faint smudges of light from 3314 A and B.
1			1					Agents Alexander of the control of t
			1					19mm – Nice. About 10 smudges of light, largest is I 4329.
			1					A roundish uniformly lit very dim glow. To right is a very
			1					small round smudge of light of I4329A. The above it in a
			1					triangle with some space between them and extremely dim
			1					smudges of light of 5298, 5302 and E 445-35. Off to right
			1			Texas Star Party. Ft Davis, Tx.		and by itself is 5304. A bit larger and brighter smudge of
	3574	5/12/2010	12:48 AM	Great	Great	Dark Skies.	12.5" f/8 Newtonian	light than triangle 3. Roundish in shape.
			1					19mm – I 4296 is a larger, dim, yet easy to see, round,
			1			Texas Star Party. Ft Davis, Tx.		uniformly lit glow. To upper right is I 1299, a small, dim
	3565	5/12/2010	1:03 AM	Great	Great	Dark Skies.	12.5" f/8 Newtonian	smudge of light.
			1					19mm – E 443-41 is a round smudge of light. Above it and
			1					almost 1 FOV away are two extremely dim smudges of
		()	1	1	I	Texas Star Party. Ft Davis, Tx.	1	light of I 3986 and E 443-21. Both near each other and
	3537	5/12/2010	1:10 AM	Great	Great	Dark Skies.	12.5" f/8 Newtonian	look the same.

	1		1	1	T	T	
							19mm – Beneath a brighter field star I see 4 extremely
							faint smudges of light. 2 are almost the same (the U
							galaxies) and I 708 is the largest of the 4. Closest to the
							field star is U6558 and then near it is U6541. Then to the
					Texas Star Party. Ft Davis, Tx.		right of these 2 is I 708 and to the right of I 708 is I 712, a
1314	5/12/2010	10:55 PM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	very faint round tiny smudge of light.
							19mm – Around a bright field star I see 5 glows of light.
							3733 is brightest. All real dim. Below field star is small
							round dim uniformly lit glow of 3738. Equidistant below
							3738 is an identical small round dim uniformly lit glow of
							3756. Above field star and near it is an oval glow of 3733.
							Has hare brighter cor. Then to left if a faint smudge of light
					Tayon Ctar Darty, Et Davis, Ty		
1010	-/40/0040				Texas Star Party. Ft Davis, Tx.	10 78 6/0 14	of 3737, which is the smallest and below and to left is a
1318	5/12/2010	11:25 PM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	faint smudge of light of 3759.
							19mm – 3898 is a small oval glow with large bright core
							and bit of halo around it. To right and in same FOV but at
					Texas Star Party. Ft Davis, Tx.		edge is 3888, an oval small uniformly lit glow. maybe a hint
1377	5/12/2010	11:32 PM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	of a little brighter core.
					Texas Star Party. Ft Davis, Tx.		19mm – U6394 is an extremely faint round smudge of
1228	5/13/2010	12:04 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	light.
					Texas Star Party. Ft Davis, Tx.		
1185	5/13/2010	12:18 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	19mm – 3350 is an extremely faint oval smudge of light.
		-					19mm – 4756 is a very dim oval glow with hint of hare
							brighter core. Then above it is a tiny curves glow with 2
							star like cores on glow on right hand side of 3 galaxies.
					Texas Star Party. Ft Davis, Tx.		Right is M-2-33-37. Then middle is I 829 and left one with
1631	5/13/2010	1:11 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	no core is M-2-33-36.
1031	3/13/2010	1.11 / (1/1	Good	Good	Dark Skies.	12.5 1/8 Newtornari	110 COTE IS IVI-2-00-00.
							19mm – 4 faint glows seen in FOV. Below a bright field
							star is a faint, round, uniformly lit glow of 4874. Below it
							and to left is a bit larger faint round glow of 4889. Way to
							the left of these 2 but in same FOV is largest round glow
					Texas Star Party. Ft Davis, Tx.		with hint of brighter core of 4921. Then below and to right
1656	5/13/2010	2:15 AM	Good	Good	Dark Skies.	12.5" f/8 Newtonian	is a tiny, round, smudge of light of 4911.
							19mm - Well to the left of a bright field star are 3 glows of
							this cluster. One glow is faint, with 2 star like cores on
							glow, next to each other. Then below these is an
							extremely faint smudge of light. I think I see, once in a
					Keota, Colorado. Moderately		while, other faint smudges of light way to the left of these
2666	8/10/2010	11:55 PM	Great	Great	Dark Sky.	12.5" f/8 Newtonian	two and another one way to the right.
	5, 15,2010		2.000				and the second s
							19mm - I see 3 members of this cluster. NGC 7768 is
							easiest to see and largest of 3. An oval, very dim glow with
							hint of core seen on glow. Above and to the left is NGC
							7766, a linear, small, almost not there uniformly lit smudge
					Keota, Colorado. Moderately		of light. Below 7768 and to right is this tiny, circular, almost
0604	0/14/0040	12.00 414	Crost	Crast		12 5" f/0 Novetonian	
2634	8/11/2010	12:08 AM	Great	Great	Dark Sky.	12.5" f/8 Newtonian	not there, extremely faint smudge of light of NGC 7765.

								19mm - There are 8 glows seen. No details. Just glows. In center are 4 <i>easier</i> to see glows, all near each other. In same FOV are 4 much fainter smudges of light. A bit away from the brighter 4 but in same FOV. They are at 5
						Keota, Colorado. Moderately		o'clock, 2 o'clock, 11 o'clock and 9 o'clock from the brighter 4. Very faint yet when move FOV (bump scope)
	262	8/11/2010	1:09 AM	Great	Good	Dark Sky.	12.5" f/8 Newtonian	you can see them easier.
	426	8/11/2010	1:36 AM	Great	Good	Keota, Colorado. Moderately Dark Sky.	12.5" f/8 Newtonian	19mm - NGC1275 is largest and brightest of those seen. Has brighter core seen in center of circular, dim glow. NGC 1272 next largest and brightest. I too has a hint of a brighter core in center of it's glow. Smaller in size than 1275. Rest are all very faint, round, uniformly lit smudges of light. These are NGC 1276, 1277, 1270 and 1267. Seeing is great but the transparency is not what is was an hour ago.
						Keota, Colorado. Moderately		19mm - I saw 4 galaxies of this cluster. NGC 545 and 547 are very near each other and almost touching. Both are dim, larger glows with tiny, relatively brighter cores. To left and smaller in size is a dimmer, circular glow of NGC 541. It too has a relatively brighter tiny core. To left of 541 is NGC 535, an extremely dim, uniformly lit, circular smudge
L	194	8/11/2010	2:01 AM	Great	Good	Dark Sky.	12.5" f/8 Newtonian	of light.

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Other Galaxy Groups 30 of 30
Abell Clusters 30 of 30

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