

								Observed					Right Ascension (J2000)			Declination (J2000)			Best Month				
Target Name	Names	Common Name	Type	CON	Mag	PA	Class	Date	Time	Location	Instrument	Seeing	Transparency	Description	Link to Image	hr	min	sec	+ / -	d	m	s	
NGC 134			Gal	HYA	10.3		SAB(s)bc	#####	22:29	DAS Site	12.5" f/8 Newtonian	Good	Good	134x – Nice edge on. Nice central bulge that tapers into thin arms. Small. Looks like a dust lane bisects it just below center. Faint field star below it. Goes from 10 to 4 o'clock in FOV.		0	30	21.0	-	33	14	50	Oct
NGC 300	D 530		Gal	SCL	8.1	111	Scd	#####	22:44	DAS Site	12.5" f/8 Newtonian	Good	Good	134x – Very dim, uniformly lit oval bounded by 4 dim field stars on each side. No central brightening. Just a glow. Very low in south.		0	54	53.3	-	37	41	3	Oct
NGC 681			Gal	CET	12.0	60	SAB(s)absp	8/19/2012	3:45	DAS Site	14" Cassegrain	OK	OK	205x – A tiny, oval, extremely dim, uniformly lit glow.		1	35	5.7	-	7	20	28	Nov
NGC 2573			Gal	OCT	13.6		SABscd	4/3/2016	22:46	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, faint oval with a brighter stellar core.		1	41	42.8	-	89	20	4	Nov
NGC 1049			GC	FOR	12.6			1/15/2015	20:04	CSAC	20" f/5 Newtonian	OK	OK	149x – A small, very dim oval glow. Has a larger, hare brighter core.		2	39	48.0	-	34	15	30	Nov
NGC 1073			Gal	CET	11.1	15	SBc II	#####	21:46	Crow Valley	12.5" f/8 Newtonian	Great	Great	134x – Small, faint, long oval smudge of uniformly lit light.		2	43	40.6	+	1	22	31	Nov
NGC 1232			Gal	ERI	9.8	108	SBc	1/16/2009	18:43	DAS Site	12.5" f/8 Newtonian	OK	OK	134x – Larger round glow with large, bit brighter nucleus area. Pretty dim overall yet easy to spot in FOV.		3	9	45.3	-	20	34	45	Dec
NGC 1300			Gal	ERI	10.5	106	SBb I	1/21/2012	21:18	CSAC	30" f/4.5 Newtonian	OK	OK	263x – A large oval glow with brighter core and a linear box shape. Pretty faint halo glow.		3	19	40.9	-	19	24	40	Dec
NGC 1350			Gal	FOR	10.7	0	Sba-b	1/16/2009	19:11	DAS Site	12.5" f/8 Newtonian	OK	OK	134x – Nice, tilted oval with larger, brighter core surrounded by dim, yet easy to see halo glow. Tilt is 10 - 4 o'clock. Easy to see in FOV.		3	31	6.0	-	33	38	0	Dec
NGC 1380	D 574		Gal	FOR	9.9	7	SB0	#####	1:43	Keota, CO	12.5" f/8 Newtonian	OK	OK	134x – Nice. Longer, brighter, elongated slender oval. Fairly bright. But very low in south. Brighter, large core seen with bit of dim halo around it. Center part of core pretty bright. Didn't see any other galaxies around it.		3	36	27.5	-	34	58	31	Dec
NGC 1387			Gal	FOR	10.9		SB0	1/16/2009	19:11	DAS Site	12.5" f/8 Newtonian	OK	OK	134x – Is a bit of an oval. Dim. Uniformly lit.		3	36	57.1	-	35	30	23	Dec
NGC 1395			Gal	ERI	9.8	120	E2	1/21/2012	20:46	CSAC	20" f/5 Newtonian	Fair	Poor	149x – 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.		3	38	29.6	-	23	1	38	Dec
NGC 1404			Gal	ERI	10.2		E1	1/9/2010	18:53	DAS Site	12.5" f/8 Newtonian	Good	Good	134x – Revisited Fornax Galaxy Cluster to pickup members I missed when viewing this last time I was out. Just below a field star, a small oval with a brighter core.		3	38	51.9	-	35	35	35	Dec
NGC 1398			Gal	FOR	9.8	100	SBab	1/16/2009	18:55	DAS Site	12.5" f/8 Newtonian	OK	OK	134x – Small, round bright galaxy with bit brighter, large core area. Very easy to see. Maybe an extended halo surrounds this bright galaxy. Looking again, see it's a tilted oval from 11 – 5 o'clock in FOV. What was described above is brighter central part and can see faint halo arms above and below central glow as it tapers off.		3	38	52.0	-	26	20	14	Dec
NGC 1433	D 426		Gal	HOR	9.8	99	SBa	4/7/2016	19:10:00	OzSky	18" f/4.5 Newtonian	OK	Good	187x – A small, long tilted oval. Very dim halo. Large, brighter oval core with even brighter center.		3	42	1.2	-	47	13	19	Dec
NGC 1435		Merope Nebula	BN	TAU	13.0		RN	1/11/2021	20:28	LTO	24" f/5 Newtonian	Good	Good	188x – Around a bright field star of M45 is this large, circular halo glow.		3	46	10.0	+	23	45	54	Dec
NGC 1499		California Nebula	BN	PER	5.0		EN	#####	22:01	DAS Site	8" f/6 Newtonian	OK	OK	47x - This thing is faint. With 24mm, its about 2 FOVs long and thin. See it contrast with background and only see it with H-Beta filter. Nice. Seen with advertised vision. Many stars over glow. It is long and slender. Lynd brightness 6.		4	3	14.4	+	36	21	33	Dec
NGC 1512			Gal	HOR	10.6	90	SB(r)jb	4/6/2016	20:28	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A large, tilted oval. Large, brighter core surrounded by dim halo.		4	3	54.0	-	43	20	57	Dec
NGC 1515			Gal	DOR	11.4	18	Sc	4/6/2016	20:30	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A nice small tilted oval. Core larger and linear on center of glow. Then in very center is a stellar, brighter core.		4	4	2.1	-	54	6	2	Dec
NGC 1514			PN	TAU	10.9		PN	2/25/2006	21:27	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Best with OIII. Soft round maybe slightly oval glow with brighter central star in middle of glow. w/o OIII, see central star and a hint of a glow around it. Nice.		4	9	17.0	+	30	46	35	Dec
NGC 1532			Gal	ERI	10.6	33	Sc II-III	2/3/2005	21:16	John Martin	12.5" f/8 Newtonian	Good	Good	134x - This galaxy is the biggest and brightest of the 3 galaxies in FOV. Has a hint of a nucleus.		4	12	4.2	-	32	52	30	Dec
NGC 1559			Gal	RET	10.7	64	SBc	4/6/2016	20:45	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A medium size tilted, long oval. Uniformly lit. Dim. Has very faint field star on lower upper edge of halo (galaxy is vertical in FOV) glow and another field stars just off right hand side edge and close.		4	17	36.7	-	62	47	4	Dec
NGC 1579			BN	PER	9.9		EN+RN	1/21/2014	20:52	DAS Site	8" f/6 Newtonian	Good	Good	81x – With UHC. Around a brighter field star is this larger, round, dim halo glow. Centered on star. Lynd brightness 4.		4	30	14.2	+	35	16	47	Dec
NGC 1617			Gal	DOR	10.7	107	Sba	4/6/2016	21:10	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A medium size, dim, tilted oval with larger, brighter oval core.		4	31	39.3	-	54	36	8	Dec
NGC 1672			Gal	DOR	10.2	170	SBc I-II	4/6/2016	19:35	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A large, dim tilted oval with large, bright core and tapered ends.		4	45	42.9	-	59	14	52	Dec
NGC 1783			GC	DOR	10.9			4/4/2016	20:11	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A medium sized, dim, round, uniformly lit glow. See speckling on glow.		4	59	8.8	-	65	59	7	Dec
NGC 1818			OC	DOR	9.7			4/5/2016	19:15	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A nice bright oval. Has tons of stars in center and then dims slowly. Tons of stars seen. Looks like a globular.		5	4	14.8	-	66	26	4	Jan
NGC 1792			Gal	COL	10.2	137	Sc	4/6/2016	21:18	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A medium size, dim, long, fat, uniformly lit oval. Has a few extremely faint field stars on glow.		5	5	14.1	-	37	58	48	Jan
NGC 1808	D 532		Gal	COL	9.9	133	SBa	4/6/2016	21:23	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A long, thin tilted oval. Dim. Has brighter, linear core. A bar.		5	7	42.5	-	37	30	48	Jan
NGC 1866			OC	DOR	9.7			4/5/2016	19:26	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A medium sized oval. Bright. Brighter in center and dims slowly to edge. See tiny stars speckled on OC.		5	13	39.1	-	65	27	56	Jan
NGC 1968			BN + OC	DOR	9.0		OCL+EN	4/5/2016	20:14	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A small knot of 5-10 dim, easily seen stars. This is to left of a chain of 4 OCs drawn on previous page.		5	27	22.2	-	67	27	50	Jan
NGC 1981			OC	ORI	4.2		III3pn	1/1/2006	21:36	Kim's Place	12.5" f/8 Newtonian	Good	Good	64x - 14 bright, blue-white stars. Very open. Approx 3 magnitudes makeup this OC. Classification III 1 p.		5	35	9.6	-	4	25	30	Jan
NGC 1977		The Running Man	BN	ORI	7.0			#####	23:30	DAS Site	8" f/6 Newtonian	OK	OK	81x - Around 3 brighter stars is this nice, bright glow. Same with and without UHC. Brightest near stars. Seen with direct vision. Lynd brightness 3.		5	35	15.8	-	4	50	40	Jan
NGC 2214			OC	DOR	10.9			4/6/2016	19:34	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A small, round, dim glow. Brighter core. See speckling of <u>very faint</u> stars on glow.		6	12	57.5	-	68	15	33	Jan
NGC 2243			OC	CMA	9.4		I2r	3/5/2024	19:59	CSAC	20" f/5 Newtonian	Good	Good	195x – A small, round glow. With AV, see 4-5 extremely faint stars and rest are unseen.		6	29	34.5	-	31	16	53	Jan
NGC 2237		Rosette Nebula	BN	MON	4.8		EN	1/21/2014	20:14	DAS Site	8" f/6 Newtonian	Good	Good	51x – With UHC. Nice. Faint thick oval. Brightest on lower left (Lynd Brightness 4) and faintest on upper right (Lynd Brightness 6). Can only see it with UHC filter.		6	30	54.6	+	5	2	57	Jan
NGC 2298	D 578		GC	PUP	9.3		VI	4/6/2016	20:16	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, somewhat compact, dim, uniformly lit glow. Tons of member stars easily seen.		6	48	59.1	-	36	0	19	Jan
NGC 2346			PN	MON	11.6		3b(4)	1/25/2017	20:54	CSAC	20" f/5 Newtonian	Very Good	Very Good	195x – A PN. Small. Pale white circular glow with larger central star in center.		7	9	22.5	-	0	48	24	Feb
NGC 2442		The Meathook	Gal	VOL	10.5		Sc I-II	4/6/2016	20:19	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A medium size, very dim halo with larger, brighter core. Bottom of halo glow wraps to left and maybe dust lane above core on glow.		7	36	19.7	-	69	32	31	Feb
NGC 2451			OC	PUP	2.8		II2m	4/7/2016	0:36	OzSky	18" f/4.5 Newtonian	Good	Good	79x – 10-15 brighter blue white stars of 2 magnitudes in a very loose wedge shaped OC. Fills ¾ of FOV in size.		7	45	15.0	-	37	58	3	Feb
NGC 2477	D 535		OC	PUP	5.8		I2r	4/7/2016	0:45	OzSky	18" f/4.5 Newtonian	Good	Good	79x – A tight group of 50+ fainter, blue white stars. Compact. Shape of a 5 point star.		7	52	9.8	-	38	32	0	Feb
NGC 2467			BN	PUP	7.1		OCL+EN	2/3/2005	23:01	John Martin	12.5" f/8 Newtonian	Good	Good	134x - A dim, yet easy to see glow. Quite large in 19 mm. Has bright star in bottom 1/3 of glow. Most of glow above (N) of star, which also is the brighter part of this nebula.		7	52	29.5	-	26	25	48	Feb
NGC 2546			OC	PUP	6.3		II2m	3/12/2010	19:39	DAS Site	20x80 Binoculars	Good	Good	About 20 faint stars. Fairly compact and circular in shape.		8	12	15.6	-	37	35	39	Feb
NGC 2659			OC	VEL	8.6		III2r	4/1/2016	22:21	OzSky	16" f/4 Newtonian	Good	Good	125x – 30+ dimmer stars of 3-4 magnitudes form this compact, roughly circular shape.		8	42	33.0	-	45	0	2	Feb
NGC 2670			OC	VEL	7.8		III2m	3/5/2024	21:13	CSAC	20" f/5 Newtonian	Very Good	Very Good	195x – 13 faint and 5 even fainter stars forms a plus sign with 2 lines of stars. A few more stars are sprinkled about. Small in size.		8	45	29.5	-	48	47	30	Feb
NGC 2671			OC	VEL	11.6		I2m	3/5/2024	22:48	CSAC	20" f/5 Newtonian	Good	Good	195x – 7-8 brighter and 10-15 dimmer stars and a nice glow underneath these dimmer stars. Roundish in shape. Fills center of FOV.		8	46	11.9	-	41	52	38	Feb
NGC 2736		The Pencil. Part of Vela Supernova Remnant	SR	VEL	10.0	20		4/5/2016	20:52	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	66x – With O3. Brightest part of nebula is the long, thin line with nebula above it. Chase arc several FOVs around to see it all.		9	0	16.9	-	45	56	53	Mar
NGC 2818	D 564		PN	PYX	11.6		OC+PN	4/4/2016	22:54	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, planetary nebula inside an OC (N2181).		9	16	1.5	-	36	37	38	Mar
NGC 2867			PN	CAR	9.7		4	4/1/2016	22:56	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A very small, round, bluish, uniformly lit glow. No central star seen. O3 shows it the same. 80 degrees high.		9	21	25.3	-	58	18	42	Mar
NGC 2899			PN	VEL	11.8			4/5/2016	0:03	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Without O3, a very dim, roundish glow. Maybe dumbbell shape inside round glow. With O3 and AV, see circular shape and a bow tie on glow that extends above and below each side of bowtie of circle. Circle seems to have a hint of a thick ring around it's edge.		9	27	3.0	-	56	6	22	Mar
NGC 2910			OC	VEL	7.2		III3m	4/2/2016	22:43	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x – A nice roundish OC that has 50 or so stars of 3-4 magnitudes that fills FOV nicely.		9	30	29.0	-	52	54	50	Mar
NGC 2925			OC	VEL	8.3		II3m	4/4/2016	21:50	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 50+ stars. Brighter blue white color of 2 magnitudes in a loose, roughly circular area.		9	33	10.9	-	53	23	45	Mar
NGC 2997	D 622		Gal	ANT	9.6	110	Sc I	4/7/2016	0:58	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A larger, very dim tilted oval. Has larger, brighter oval core. Extremely faint dust lanes on halo glow reveals 2 OCW spiral arms.		9	45	38.5	-	31	11	25	Mar
NGC 3109		The Wisp	Gal	HYD	9.9	93	SB(ɡ)msp IV-V	5/10/2010	22:48	TSP	12.5" f/8 Newtonian	Good	Good	134x – Large, diffused oval, uniformly lit, dim glow.		10	3	6.7	-	26	9	31	Mar
NGC 3199	D 332	Southern Crescent	BN	CAR	11.0		EN	4/4/2016	22:46	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A brighter, thick arc glow. The brightest part is mottled. See very faint end of it on each side where arc dims to it at end of each side of arc. In a star rich field.		10	17	24.4	-	57	55	20	Mar
NGC 3187			Gal	LEO	12.7		S	4/21/2009	22:12	DAS Site	12.5" f/8 Newtonian	Very Good	Very Good	134x – Very dim, tiny, round smudge of light.		10	17	48.1	+	21	52	23	Mar
NGC 3228			OC	VEL	6.0		II3p	4/5/2016	0:24	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 10 brighter blue white stars form a loose association with 8 in a roughly circular shape and 2 outliers.		10	21	22.2	-	51	43	57	Mar
NGC 3603			OC	CAR	9.1		II3mn	4/4/3026	23:59	OzSky													

NGC 4052			OC	CRU	8.8		IIl2r	4/4/2016	22:58	OzSky	18" f/4.5 Newtonian	Good	Good	79x – A smaller, boxy, rectangular shape. 40-50 brighter blue white starts of 2-3 magnitudes.		12	2	5.2	-	63	13	24	Apr
NGC 4103	D 291		OC	CRU	7.4		l2m	4/5/2016	1:10	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 50-60 dimmer blue white stars of 3 magnitudes form a roughly circular compact OC.		12	6	39.5	-	61	15	0	Apr
NGC 4244		Silver Needle Galaxy	Gal	CVN	10.0	48	SA(s)cd:sp IV	5/15/2012	1:06	Keota, CO	12.5" f/8 Newtonian	Good	Good	169x – A medium sized brighter tilted oval with larger core area and dim halo extending out a bit from 10-4 o'clock.		12	17	29.7	+	37	48	24	Apr
NGC 4275			Gal	COM	12.8		Sc	3/15/2018	22:57	MDO	16" f/9 Ritchie-Creighton	Good	Good	203x – To lower right of a dim field star is this small, fat oval to round, uniformly lit glow.		12	19	52.6	+	27	37	16	Apr
NGC 4337			OC	CRU	8.9		II3p	4/5/2016	1:14	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 18 dim stars in 1, ½ circle arc and 10 in a leading second arc with lots of very faint stars underneath. Nice lines.		12	24	3.3	-	58	7	25	Apr
NGC 4349			OC	CRU	7.4		II2m	4/5/2016	1:23	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 50+ dimmer stars of 4 magnitudes make up this large oval shaped OC. Has 1 bright field star at bottom. Fills center of FOV nicely.		12	24	6.0	-	61	52	13	Apr
NGC 4463			OC	MUS	7.2		l3m	4/5/2016	1:29	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 2 brighter and 15-20 much dimmer stars basically outline a small football shape.		12	29	55.2	-	64	47	23	Apr
NGC 4567		Siamese Twins	Gal	VIR	11.5	85	Sc	2/2/2019	1:48	LTO	24" f/5 Newtonian	Good	Good	188x - A larger, very faint, fat oval. Vertical in FOV. Approx. ½ FOV long. Has tiny bright core.		12	36	32.8	+	11	15	28	Apr
NGC 4568		Siamese Twins	Gal	VIR	11.2	23	Sc	2/2/2019	1:48	LTO	24" f/5 Newtonian	Good	Good	188x - To lower left and touching N4567's halo glow is this medium sized, fat oval. Dim. Has brighter stellar core. Would have missed these and thought them to be one but now can see two distinct ovals touching.		12	36	34.3	+	11	14	17	Apr
NGC 4696		Part of Custer Abell 3526	Gal	CEN	10.5	95	S0	4/3/2016	23:23	OzSky	18" f/4.5 Newtonian	OK	OK	Another look, N4767 is tilted a bit with respect to N4568. A nice surprise. 187x – A small tilted oval. Pretty uniformly lit.		12	48	49.1	-	41	18	41	Apr
NGC 4710			Gal	COM	10.9	27	SO-a	5/12/2010	2:52	TSP	12.5" f/8 Newtonian	Good	Good	134x – A dim, uniformly lit, larger edge on with central bulge, which is mostly above the center line of edge on.		12	49	38.7	+	15	9	54	Apr
NGC 4815			OC	MUS	8.6		l2r	4/5/2016	1:33	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Under 2 brighter field stars are 15 very faint stars and a glow of many unseen stars in a roughly fat oval shape. Small and compact.		12	57	58.3	-	64	57	42	Apr
NGC 4889			Gal	COM	11.5	80	E	4/26/2022	22:00	CSAC	20" f/5 Newtonian	OK	OK	195x - A very small, very faint oval glow with hair brighter core.		13	0	8.1	+	27	58	37	May
NGC 4852			OC	CEN	8.9		l3r	4/5/2016	1:36	OzSky	18" f/4.5 Newtonian	OK	OK	187x – 50-60 very dim stars of 3 magnitudes form a long rectangle shape. Compact. Fills center of FOV nicely.		13	0	14.5	-	59	36	58	May
NGC 4976			Gal	CEN	10.2	161	S0	4/7/2016	2:52	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, thin tilted oval. Has brighter, thin oval core. Has very faint field star to upper left of halo and near.		13	8	37.4	-	49	30	21	May
NGC 5061			Gal	HYA	10.5		E	5/11/2010	0:00	TSP	12.5" f/8 Newtonian	Good	Good	134x – Round glow with larger bright core and bit of dim halo around it.		13	18	5.2	-	26	50	16	May
NGC 5068			Gal	VIR	9.8	110	Sd	5/24/2006	22:49	Keota, CO	12.5" f/8 Newtonian	OK	OK	134x - Large, very dim round uniformly lit glow.		13	18	54.6	-	21	2	19	May
NGC 5078			Gal	HYA	10.8	148	SO	4/6/2016	22:33	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A very small, very faint, roundish, uniformly lit glow.		13	19	49.8	-	27	24	36	May
NGC 5102	h 3492		Gal	CEN	9.1	48	S0	4/7/2016	3:02	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small tilted oval. Dim. Halo extends left and right beyond brighter halo. Has small, bright core.		13	21	57.5	-	36	37	49	May
NGC 5253			Gal	CEN	10.7	45	ImP	5/11/2010	0:53	TSP	12.5" f/8 Newtonian	Good	Good	134x – 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.		13	39	55.9	-	31	38	31	May
NGC 5460			OC	CEN	5.6		l3m	4/4/2016	0:31	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 20-25 bright blue white stars form a chain and hook.		14	7	27.7	-	48	20	33	May
NGC 5617	D 302		OC	CEN	6.3		l3r	4/4/2016	0:40	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A larger, ½ FOV long and narrow bullet shaped OC. 50+ dim blue white stars of 3-4 magnitudes. Stars fill in and outline the bullet.		14	29	44.0	-	60	42	39	May
NGC 5643			Gal	LEP	10.5		Sc III	4/7/2016	3:44	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, very faint round glow. Has hare brighter small core. Has 3 very faint field stars on glow at 2, 10 and 12 o'clock.		14	32	41.3	-	44	10	24	May
NGC 5662			OC	CEN	5.5		II3r	4/4/2016	0:44	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 30 blue white dim stars of 3-4 magnitudes make up this large, boxy cluster. Fills center of FOV nicely.		14	35	37.5	-	56	37	5	May
NGC 5824			GC	LUP	9.1		I	4/7/2016	3:57	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Globular. A small, round. Has bright compact core that dims quickly to dim halo. Speckling of member stars seen.		15	3	58.5	-	33	4	4	Jun
NGC 5823			OC	CIR	7.9		II2r	4/3/2016	0:41	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A nice, tight, 50+ star OC with dimmer stars of 4 magnitudes with 4th very faint. Fills center of FOV.		15	5	30.6	-	55	36	13	Jun
NGC 5882	D h 3594		PN	LUP	9.4		PN	7/6/2016	21:53	DAS Site	8" f/6 Newtonian	Good	Good	122x – A small oval, brighter, pale white glow. With O3, stands out nicely and maybe see central star in center. Just 5 degrees above southern horizon and that area is a bit soft with haze. Stars are pinpoint in FOV.		15	16	50.0	-	45	38	58	Jun
NGC 5925			OC	NOR	8.4		IIl2r	4/4/2016	0:58	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 1 ½ FOVs long and ½ FOV wide. A thick arc of dim, blue white stars of many magnitudes with brighter ones of same magnitude.		15	27	26.7	-	54	31	43	Jun
NGC 6072	h 3620		PN	SCO	11.7		PN	4/4/2016	23:50	OzSky	18" f/4.5 Newtonian	Good	Good	187x – With O3, see a small, round, uniformly lit glow. No central star seen.		16	12	58.2	-	36	13	47	Jun
NGC 6124	D 514		OC	SCO	5.8		l3r	5/12/2010	1:33	TSP	12.5" f/8 Newtonian	Good	Good	134x – 30+ stars of approx 4 magnitudes makeup this open cluster. Fairly loose and circular in shape. Completely fills FOV.		16	25	20.0	-	40	39	13	Jun
NGC 6139			GC	SCO	9.1		II	4/7/2016	4:02	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Globular. A small, dim, round. Hare brighter core that dims slowly to edge. Speckling of stars on glow.		16	27	40.4	-	38	50	56	Jun
NGC 6134	D 412		OC	NOR	7.2		II3m	5/12/2010	3:14	TSP	20x80 Binoculars	Good	Good	Larger, almost round glow.		16	27	46.5	-	49	9	4	Jun
NGC 6153	Copeland		PN	SCO	10.9		IV	5/11/2010	2:54	TSP	12.5" f/8 Newtonian	Good	Good	134x – Small, round dim planetary nebula. Central star easily seen in center of glow. Responds well to O3.		16	31	30.6	-	40	15	13	Jun
NGC 6152			OC	NOR	8.1		IIl3r	5/12/2010	3:14	TSP	20x80 Binoculars	Good	Good	Medium sized round glow.		16	32	45.5	-	52	38	38	Jun
NGC 6167	D 400		OC	NOR	6.7		II3m	5/12/2010	3:14	TSP	20x80 Binoculars	Good	Good	Small, very dim glow.		16	34	34.9	-	49	46	19	Jun
NGC 6193			OC	ARA	5.2		II3p	4/3/2016	1:26	OzSky	18" f/4.5 Newtonian	Good	Good	137x – 50+ stars of a dimmer magnitude form an arc above 2 brighter double field stars. Arc fatter in middle and tapers off at each end. 60 degrees high.		16	41	20.2	-	48	45	45	Jun
NGC 6210			PN	HER	8.8		2(3b)	6/24/2013	22:55	LTO	24" f/5 Newtonian	OK	OK	110x. A small, round glow with brighter central star easily seen. Has greenish tint to it. At 187x, you can see the green hue easier. Uniformly lit.		16	44	29.4	+	23	48	0	Jun
NGC 6208			OC	ARA	7.2		IIl2r	4/4/2016	1:14	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Fills FOV. A loose OC with lots of dimmer blue white stars of 2-3 magnitudes. Has streamers of stars coming off center. Looks cool. Has bright field star in center that probably is not part of it.		16	49	28.1	-	53	43	42	Jun
NGC 6242			OC	SCO	6.4		l3m	5/6/2005	2:58	TSP	12.5" f/8 Newtonian	Good	Good	134x - 1 bright star, 8 of 2nd magnitude and may more fainter stars makeup this small, compact vertical linear OC.		16	55	33.4	-	39	27	39	Jun
NGC 6302		Bug Nebula	PN	SCO	9.6		VI	4/4/2016	1:17	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Bug Nebula. A small, 2:1 glow with brighter, elongated core.		17	13	44.6	-	37	6	12	Jul
NGC 6309			PN	OPH	11.5		3b(6)	6/30/2008	0:19	Raymer, CO	12.5" f/8 Newtonian	Good	Good	134x – Small, dim, round glow with tiny, dim field star right next to it. w/OIII, thought I saw a central star. OIII nicely makes it stand out. Not so good of a view with UHC.		17	14	4.3	-	12	54	39	Jul
NGC 6337		Diamond Ring	PN	SCO	12.3		IV	7/22/2006	22:46	John Martin	12.5" f/8 Newtonian	OK	OK	134x – Nice dim oval glow. 2 field stars seen on glow but none are at the center of the glow. O3 gives a better view of oval glow, but can only see the 3 faint field stars on the glow w/o filter.		17	22	15.7	-	38	29	1.4	Jul
NGC 6416			OC	SCO	5.7		IIl2m	8/8/2007	21:22	DAS Site	12.5" f/8 Newtonian	Good	Good	79x - Fills center of FOV nicely. Fainter stars with 3-4 brighter ones with rest dimmer but of same magnitude. Stars form lines. Class II.1.p.		17	44	19.9	-	32	21	40	Jul
NGC 6441	D 557		GC	SCO	7.2		III	4/7/2016	4:10	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, brighter globular. Small, dense core dims quickly to dim halo. Speckling. It is to left of bright field star.		17	50	12.9	-	37	3	4	Jul
NGC 6453			GC	SCO	10.2		IV	4/7/2016	4:12	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, dim globular. Has hare brighter core. Speckling.		17	50	51.6	-	34	35	55	Jul
NGC 6496			GC	CRA	8.6		XII	4/4/2016	1:54	OzSky	18" f/4.5 Newtonian	Good	Good	187x – 8 bright field stars on a medium sized, uniformly lit glow. No member stars seen.		17	59	3.7	-	44	15	59	Jul
NGC 6530			OC	SAG	4.6		II2mn	8/17/2014	21:28	Keota, CO	12.5" f/8 Newtonian	Good	Good	254x - A dim glow with Lynd Brightness 4 with 6-8 field stars on glow of NGC 6530.		18	4	31.0	-	24	21	29	Jul
NGC 6537		Red Spider Nebula	PN	SAG	11.6		2a(6)	6/30/2008	2:05	Raymer, CO	12.5" f/8 Newtonian	Good	Good	282x – Stellar in appearance. Responds well to OIII and UHC filters.		18	5	13.0	-	19	50	34	Jul
NGC 6541	D 473		GC	CRA	6.3		III	4/4/2016	1:56	OzSky	18" f/4.5 Newtonian	Good	Good	187x – Nice. Larger oval shape, loose. Member stars seen. Bright core and dims quickly to large, extended halo of stars.		18	8	2.0	-	43	42	57	Jul
NGC 6563	D 606		PN	SGR	11.0	60	3a	6/30/2008	1:06	Raymer, CO	12.5" f/8 Newtonian	Good	Good	134x – Larger, round, dim, uniformly lit glow. Responds well to OIII but not so much to UHC. No central star seen.		18	12	2.6	-	33	52	7	Jul
NGC 6572			PN	OPH	8.1		2a	9/12/2007	20:14	DAS Site	12.5" f/8 Newtonian	Great	Great	134x – Nice. Larger than out-of-focus star. Easy to see, O3 and UHC show it about the same. Bluish-green colored circular patch of light. Central star often seen with AV in center of a small, circular glow. 9mm - Larger and easier to see. w/o filters is the best view at this power. Larger, circular greenish glow with central star often seen in center of glow with AV.		18	12	6.4	+	6	51	13	Jul
NGC 6567			PN	SGR	11.0		2a(3)	6/30/2008	2:10	Raymer, CO	12.5" f/8 Newtonian	Good	Good	282x – Shows a stellar, out of focus like PN. Responds well to OIII.		18	13	45.1	-	19	4	34	Jul
NGC 6604			OC	SER	6.5		l3mn	8/8/2007	23:38	DAS Site	12.5" f/8 Newtonian	Great	Great	134x - A brighter star and 4 little dimmer stars makes a nice arc. 3-4 other stars on rhs of arc might also be part of it. Class III.3.p.		18	18	3.0	-	12	14	35	Jul
NGC 6603			OC	SGR	11.1		l2rn	8/1/2008	22:41	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Inside M24 is this tight, circular grouping of many faint stars that are easily seen.		18	18	27.0	-	18	24	22	Jul
NGC 6584			GC	TEL	7.9		VIII	4/4/2016	2:02	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A small, very dim circular glow. Uniformly lit. Speckling on glow of member stars.		18	18	38.0	-	52	12	54	Jul
NGC 6652			GC	SGR	8.5		VI	9/2/2005	20:38	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Small, dim circular globular w/hare brighter center. Mottling of stars seen. Low in south so harder to see details but easy to see this. Class 3		18	35	46.0	-	32	59	25	Jul
NGC 6723	D 573		GC	SGR	6.8		VII	4/4/2016	2:03	OzSky	18" f/4.5 Newtonian	Good	Good	187x – A medium sized circular globular. Has large, brighter, uniformly lit core and tiny bit of dim halo around it. Lots of member stars seen.		18	59	33.0	-	36	37	54	Jul
NGC 6729		R Coronae Australis Nebula	BN	CRA	9.7		complex	4/5/2016	2:02	OzSky	18" f/4.5 Newtonian	OK	OK	187x – Under 3 sets of 2 stars around FOV is a nice nebula glow that extends a bit away from the stars.		19	1	54.1	-	36	57	12	Aug
NGC 6751			PN	AQL	11.9		III	7/30/2008	21:42	WUTS	12.5" f/8 Newtonian	Great	Great	134x - Small dim oval. Just a ghostly glow without filters. w/O3, stands out. See central star. UHC shows it nicely also. 9mm									



NGC 6891			PN	DEL	10.5		2a(2b)	7/31/2008	2:39	WUTS	12.5" f/8 Newtonian	Great	Great	134x - Tiny round to oval uniformly lit PN. Blue-green in color. Responds well to O3 and UHC. 9mm didn't show it any better.		20	15	8.9	+	12	42	15	Aug
NGC 6981		M 72	GC	AQR	9.2		IX	9/25/2003	20:02	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Dimmer than M56. Uniformly lit. w/AV see speckling on the glow. Class 7.		20	53	28.0	-	12	32	13	Aug
NGC 6992		Veil Nebula	SR	CYG	7.0		3:3:3	9/7/2013	0:56	John Martin	12.5" f/8 Newtonian	OK	OK	134x - Nice. 6992 is an uneven glow, twisting and wide. 6995 has streamers coming off it. Best seen with OIII and UHC shows it a bit as well as naked eye. There are a few stars mixed in amongst the nebulosity. Easy to see with direct vision. 15mm eyepiece the best. Lynd brightness 2.		20	56	19.0	+	31	44	34	Aug
NGC 7026			PN	CYG	10.9		3a	8/1/2008	3:37	WUTS	12.5" f/8 Newtonian	OK	OK	134x - Nice. A tiny dim uniformly lit glow to right of a brighter field star which makes it look like a double star. Responds well to O3 and UHC filters. No central star seen.		21	6	18.6	+	47	51	8	Sep
NGC 7027			PN	CYG	8.5		3a	8/1/2008	3:21	WUTS	12.5" f/8 Newtonian	OK	OK	134x - Nice. Thin flat oval. Blue-green in color. Pretty bright. Central star easily seen in center of glow. O3 and UHC shows it real well also.		21	7	1.7	+	42	14	10	Sep
NGC 7320		Stephan's Quintet of Galaxies	Gal	PEG	13.1	132	Sc	11/2/2007	22:37	Raymer, CO	12.5" f/8 Newtonian	OK	OK	134x - An oval glow with nucleus glow seen.		22	36	3.4	+	33	56	54	Sep
NGC 7456			Gal	GRU	11.7	23	Sc	9/27/2019	1:28	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A very long, fat cigar shape, <u>extremely faint</u> , uniformly lit glow.		23	2	10.2	-	39	34	11	Oct
NGC 7552			Gal	GRU	10.7	1	Sbab	9/26/2019	23:20	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A small, faint, with a brighter, linear core.		23	16	10.7	-	42	35	5	Oct
NGC 7582		Grus Quartet of galaxies	Gal	GRU	10.6	157	Sbab	9/26/2019	23:20	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A medium sized, a long, fat cigar shape that is very faint and uniformly lit.		23	18	23.7	-	42	22	15	Oct
NGC 7590			Gal	GRU	11.6	36	Sc	9/26/2019	23:20	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A small, <u>very faint</u> , uniformly lit oval glow.		23	18	54.7	-	42	14	21	Oct
NGC 7599			Gal	GRU	11.4	57	Sbc	9/26/2019	23:20	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A small, very faint galaxy with a very faint core in center and a field star below that and on glow of galaxy.		23	19	21.1	-	42	15	26	Oct
NGC 1543			Gal	RET	10.3	93	SB0	8/10/2024	18:38 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC1543.html">https://mikehotka.com/CertLogs/Bambury600/NGC1543.html</a>	4	12	42.9	-	57	44	17	Dec
NGC 2972			OC	VEL	9.9		II1p	6/18/2024	10:06 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC2972.html">https://mikehotka.com/CertLogs/Bambury600/NGC2972.html</a>	9	40	11.5	-	50	19	15	Mar
NGC 5999			OC	NOR	9.0		I2m	6/14/2024	11:02 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC5999.html">https://mikehotka.com/CertLogs/Bambury600/NGC5999.html</a>	15	52	8.6	-	56	28	22	Jun
NGC 6005			OC	NOR	10.7		I2m	6/14/2024	11:00 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC6005.html">https://mikehotka.com/CertLogs/Bambury600/NGC6005.html</a>	15	55	48.7	-	57	26	14	Jun
NGC 6188	h 3642		BN	ARA	5.2		EN+RN	6/17/2024	13:41 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/RimNebula.html">https://mikehotka.com/CertLogs/Bambury600/RimNebula.html</a>	16	40	5.8	-	48	39	44	Jun
NGC 6192			OC	SCO	8.5		I 2 r	7/8/2024	21:49	DAS Site	8" f/6 Newtonian	Good	Good	122x - Very low in south. A roundish open cluster. Fills center of FOV. 10-15 very faint stars, but it is easy to see these stars. 47x - Small, roundish glow speckled with stars.		16	40	23.8	-	43	22	1	Jun
NGC 6216			OC	SCO	10.1		I2m	7/8/2024	22:00	DAS Site	8" f/6 Newtonian	Good	Good	203x - Very loose open cluster. 4 brighter and 3 very faint stars form a pentagon shape. 3 stars, 2 part of the open cluster form a line on the right hand side of open cluster. Very faint. Very low above horizon.		16	49	23.5	-	44	43	53	Jun
NGC 6253			OC	ARA	10.2		II1m	6/22/2024	13:16 UT	SSO	20" f/6.8 Cassegrain			90 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC6253.html">https://mikehotka.com/CertLogs/Bambury600/NGC6253.html</a>	16	59	5.1	-	52	42	32	Jun
NGC 6318			OC	SCO	11.8		III2p	7/8/2024	22:08	DAS Site	8" f/6 Newtonian	Good	Good	203x - 6 stars, very faint, form a vertical line in FOV. Very small. To left is a single star not part of the open cluster. Easy to see.		17	16	11.5	-	39	25	30	Jul
NGC 6322			OC	SCO	6.0		I3m	7/8/2024	22:12	DAS Site	8" f/6 Newtonian	Good	Good	203x - Inside a triangle of 3 brighter stars that fills the center of FOV is this open cluster. 3 brighter above for a hat and 3 dimmer below in a line, 2 stars close and third a bit away and below. Very cool.		17	18	25.7	-	42	56	2	Jul
NGC 6590			BN	SGR	7.0		III3mn	7/28/2024	22:02	DAS Site	8" f/6 Newtonian	Good	Good	203x - A dim star has a hint of a very faint, small round glow around it.		18	17	5.0	-	19	51	58	Jul
NGC 6857			BN	CYG	11.4		3:2:3	9/27/2024	1:03	Okie-Tex SP	8" f/6 Newtonian	OK	OK	see.		20	1	48.0	+	33	31	33	Aug
NGC 7410			Gal	GRU	10.6	45	Sa	7/31/2024	16:06 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC7410.html">https://mikehotka.com/CertLogs/Bambury600/NGC7410.html</a>	22	54	59.3	-	39	39	45	Sep
NGC 7424			Gal	GRU	10.4		S(B)c II	7/31/2024	16:16 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC7424.html">https://mikehotka.com/CertLogs/Bambury600/NGC7424.html</a>	22	57	18.4	-	41	4	15	Sep

Observed: 150 of 150

Observing Locations	
Location	Description
DAS Site	Near Deer Trail, CO
OzSky	Near Coonabarabran, NSW, AUS
LTO	Little Thompson Observatory, Berthoud, CO
Okie-Tex SP	Okie-Tex Star Party, Kenton, OK
CSAC	Comanche Springs Astronomy Campus, 3RF, Crowell, TX
WUTS	Weekend Under The Stars, Fox Park, WY
John Martin	John Martin Reservoir State Park, Lamar, CO
Kim's Place	Irrigation ditch access road east of Longmont, CO
TSP	Texas Star Party, Prude Ranch, TX
MDO	McDonald Observatory, Ft. Davis, TX
Red Feathers	Red Feathers Lake, CO