

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data						Right Ascension			Declination			Best Month to Observe (10 pm)			
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to Image	hr	min	sec	dec		d	m	s
							(J2000)															
1	NGC 7814		Electric Arc Galaxy	Gal	PEG	11.0	8/11/2002	0:56	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Elongated oval. Large, uniformly lit nucleus dims quickly into halo.		0	3	14.8	+	16	8	43	Oct
2	NGC 55	D 507	String of Pearls	Gal	SCL	7.8	10/27/2008	22:40	DAS Site	12.5" f/8 Newtonian	Great	Good	134x - Large, dim, tilted oval. Large, uniformly lit core area surrounded by very dim halo. Goes from 8:30 to 2:30 o'clock in FOV. Approx 1 FOV long. Nice. Very low in south.		0	15	8.0	-	39	13	10	Oct
3	Kron 7			EG GC	TUC	12.5	8/18/2024	13:53 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/Kron7.html">https://mikehotka.com/CertLoqs/Bambury600/Kron7.html</a>	0	23	18.0	-	73	21	0	Oct
4	NGC 104	D 18	47 Tucanae	GC	TUC	4.0	4/2/2016	20:12	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - Nice. Fills FOV. Tight, bright core and circular stars not so tight. Stars radiate out from core and circular in shape. Has become my favorite globular. 20 degrees high.		0	24	5.2	-	72	4	49	Oct
5	NGC 134			Gal	HYA	10.3	10/27/2008	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
6	HR 126	Lac 119	Beta Tucanae	MS	TUC	4.4	4/3/2016	18:55	OzSky	18" f/4.5 Newtonian	Fair	Fair	137x - Left star brighter and yellow orange. Right star 1/2 as bright and bluish in color. Just above trees and very mucky there. They are a bit apart from each other.		0	31	32.8	-	62	57	30	Oct
7	NGC 157			Gal	CET	10.4	9/30/2002	23:38	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Faint elongated oval w/bright field star on right side. Uniformly lit w/maybe a hair brighter nucleus.		0	34	46.7	-	8	23	48	Oct
8	ESO 350-40		Cartwheel Galaxy	Gal	SCU	13.5	7/13/2024	18:38 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/Cartwheel.html">https://mikehotka.com/CertLoqs/Bambury600/Cartwheel.html</a>	0	37	41.7	-	33	43	1	Oct
9	M 110	NGC 205	Andromeda Galaxy Companion	Gal	AND	8.2	12/21/1987	19:50	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Bright little fuzzy elliptical. It is away from M31 but still near.		0	40	21.9	+	41	41	26	Oct
10	M 31	NGC 224	Andromeda Galaxy	Gal	AND	3.6	11/29/1986	18:30	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very diffused. Fills approx half the FOV.		0	42	44.3	+	41	16	6	Oct
11	M 32	NGC 221	Andromeda Galaxy Companion	Gal	AND	8.3	11/29/1986	18:35	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Bright nucleus. Slamm surrounding nebulousity.		0	42	41.8	+	40	51	52	Oct
12	NGC 246		Pac Man Nebula	PN	CET	10.9	10/5/1999	22:50	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	64x - Makes a right triangle, w/star at 90 degrees seems to be right in the middle of a diffused nebula-03 filter makes it oval-w/AV can see oval shape.		0	47	3.3	-	11	52	17	Oct
13	NGC 247		Milkweed Seed Galaxy	Gal	CET	8.9	10/27/2008	22:00	DAS Site	12.5" f/8 Newtonian	Great	Good	134x - A long, slender, faint, uniformly lit glow that goes up and down in the FOV and approx 1 FOV long. Field star seen on halo glow.		0	47	8.3	-	20	45	36	Oct
14	NGC 253		Silver Coin Galaxy	Gal	SCL	7.3	10/18/2009	0:36	Keota, CO	12.5" f/8 Newtonian	OK	OK	134x - Nice. See dust lanes in center part of galaxy. Overwhelms 18mm FOV. Goes from 11 - 5 o'clock.		0	47	33.1	-	25	17	15	Oct
15	NGC 288			GC	SCL	8.1	10/27/2008	22:11	DAS Site	12.5" f/8 Newtonian	Great	Good	134x - Nice. Large globular. Circular. Lots of member stars seen on glow of globular.		0	52	46.4	-	26	35	10	Oct
16	NGC 292		Small Magellanic Cloud (SMC)	Gal	TUC	2.2	4/2/2016	20:23	OzSky	7x35 Binos	Very Good	Very Good	A dim basic oval with 3 brighter knots to right and dim patch above separated from main glow.		0	52	38.0	-	72	48	1	Oct
17	NGC 300	D 530		Gal	SCL	8.1	10/27/2008	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
18	NGC 330			OC	TUC	9.6	4/2/2016	20:36	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A very tight grouping of dim stars. Can't count but see motting of stars.		0	56	18.0	-	72	28	0	Oct
19	NGC 346	D 25		BN	TUC	10.3	4/2/2016	20:56	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, dim, oval, uniformly lit glow.		0	59	5.0	-	72	10	38	Oct
20	ESO 351-30		Sculptor Dwarf Galaxy	Gal	SCU	8.8	8/18/2024	13:57 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/SDG.html">https://mikehotka.com/CertLoqs/Bambury600/SDG.html</a>	1	0	9.4	-	33	42	33	Nov
21	NGC 362	D 62		GC	TUC	6.8	4/8/2016	19:45	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A medium size, round, bright glow. Larger, bright core dims slowly to edge. Tons of member stars seen.		1	3	14.3	-	70	50	52	Nov
22	NGC 371			OC	TUC	13.8	4/2/2016	20:47	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, roundish, very faint OC. Member stars easily seen yet so faint, hard to count. Maybe 10-15 stars or so.		1	3	29.5	-	72	3	25	Nov
23	IC 1613		The Scarecrow	Gal	CET	9.3	9/25/2003	2:06	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Very faint, oval, uniformly lit. Matches stars on finder chart 12-5.		1	4	47.5	+	2	7	7	Nov
24	NGC 419			GC	TUC	11.2	4/2/2016	20:58	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, round glow. Dim. Maybe a hare brighter core. But pretty uniformly lit. No member stars seen. 20 degrees high.		1	8	18.0	-	72	53	0	Nov
25	IC 1633			Gal	PHE	11.4	7/31/2024	16:03 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/IC1633.html">https://mikehotka.com/CertLoqs/Bambury600/IC1633.html</a>	1	9	55.5	-	45	55	53	Nov
26	NGC 404		Mirach's Ghost	Gal	AND	10.2	9/30/2006	3:18	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Small, round bright galaxy with larger, little brighter core area surrounded by a bit of dim halo. Just above a very bright star, Mirach in Andromeda.		1	9	26.9	+	35	43	4	Nov
27	HR 423	HD8879	R Sculptoris	CS	SCL	5.8	7/30/2024	17:42 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/RScI.html">https://mikehotka.com/CertLoqs/Bambury600/RScI.html</a>	1	26	58.1	-	32	32	36	Nov
27	HR 423	HD8879	R Sculptoris	CS	SCL	5.8	9/27/2024	1:38	Okie-Tex SP	8" f/6 Newtonian	OK	OK	88x - A bright red star.		1	26	58.1	-	32	32	36	Nov
28	M 33	NGC 598	Triangulum or Pinwheel Galaxy	Gal	TRI	5.8	12/21/1987	20:06	TAS Site	12.5" f/8 Newtonian	Fair	Fair	79x - Is a dim object with brighter nucleus. Halo almosy fills FOV. Halo became splotchy, possible dust lanes, but wasn't sure.		1	33	50.8	+	30	39	37	Nov
29	NGC 613			Gal	SCL	10.1	10/27/2008	22:21	DAS Site	12.5" f/8 Newtonian	Great	Good	134x - Nice tilted oval with larger, brighter core with faint tapered arms that dims quickly at ends of core area. Goes from 1 to 7 o'clock. Nice. Easy to see.		1	34	18.0	-	29	25	0	Nov
30	NGC 681			Gal	CET	12.0	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
31	M 74	NGC 628		Gal	PSC	9.5	12/21/1987	18:20	TAS Site	12.5" f/8 Newtonian	Fair	Fair	79x - Dim, small patch of light. Galax could be circular.		1	36	41.6	+	15	47	3	Nov
32	NGC 2573		Polarissima Australis	Gal	OC1	13.6	6/18/2024	10:13 UT	SSO	20" f/6.8 Cassegrain			90 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoqs/Bambury600/NGC2573.html">https://mikehotka.com/CertLoqs/Bambury600/NGC2573.html</a>	1	41	42.8	-	89	20	4	Nov
33	NGC 615			Gal	CET	11.7	1/17/2014	21:21	CSAC	20" f/8 Newtonian	Good	Good	149x - A dim, edge on with larger, brighter core.		1	49	10.8	-	10	25	40	Nov
34	HR 545		Mesarthim (Gamma Aries)	MS	ARI	4.6	12/3/2001	22:00	LTO	18" f/14.2 Cassegrain	Good	Good	203x - The 3rd star in the constellation. Two little blue-white stars close together but a definite separation between them. 2 little eyes.		1	53	31.9	-	19	17	44	Nov
35	NGC 720			Gal	CET	10.3	10/1/2002	0:02	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Small-elongated oval-faint-uniformly lit but easy to spot.		1	53	0.4	-	13	44	21	Nov
36	NGC 752			OC	AND	5.7	9/30/2002	22:22	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	79x - Overfills the FOV. Very bright. Blue-white stars w/1 really brighter than the rest on SW corner. 3-4 diff magnitudes. 30+ stars. Was easy to see for in a star poor area of sky and this just popped out.		1	57	47.9	+	37	51	0	Nov
37	NGC 772			Gal	ARI	10.4	8/10/2002	3:33	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Very faint. Circular. w/AV see nucleus is brighter than halo.		1	59	20.3	+	19	0	22	Nov
38	HR 596	Atrischca	Atrischca (Alpha Piscium)	MS	PIS	3.8	12/3/2001	22:08	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Star is right where the 2 fish lines connect. This is a hard one to see. Two equally bright, blue-white, very shiny stars. They overwhelm each other. Keeping eye off EP and waiting for seeing to steady, can see the separation. Most of the time it is an elongated figure 8. They are up and down in the EP and right on top of each other. I liked this one.		2	2	0.0	+	2	46	0	Nov
39	HR 681	HIP 10826	Mira (Omicron Ceti)	VS	CET	6.0	2/29/2024	19:02	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A, B orange, C pale white, D extremely faint.		2	19	20.8	-	2	58	42	Nov
40	NGC 891			Gal	AND	10.1	10/17/2009	22:09	Keota, CO	12.5" f/8 Newtonian	Great	Good	134x - A dimmer, long, slender edge-on. Nice. Dust lane seen w/AV.		2	22	33.0	+	42	20	50	Nov

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41	NGC 908			Gal	CET	10.5	10/1/2002	0:06	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Very dim, yet large. Oval in shape. Uniformly lit. Easy to see.		2	23	4.7	-	21	14	3	Nov
42	NGC 936			Gal	CET	10.2	10/1/2002	0:08	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Small-Brighter nucleus diffuses into circular halo.		2	27	37.5	-	1	9	23	Nov
43	ESO 356-04		Fornax Dwarf Galaxy	Gal	FOR	8.3	1/15/2015	19:55	CSAC	20" f/5 Newtonian	OK	OK	149x - An extremely faint, large oval smudge of light. Move FOV around and my eye follows it. Almost not there.		2	39	59.4	-	34	26	57	Nov
44	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, more brighter core.		2	39	48.0	-	34	15	30	Nov
45	NGC 1023			Gal	PER	9.5	1/23/2012	20:45	CSAC	20" f/5 Newtonian	Good	Good	134x - A nice, large, bright tilted oval. Has large core with nice long extended arms that dim slowly into nothing.		2	40	24.1	+	39	3	48	Nov
46	NGC 1055			Gal	CET	10.9	10/1/2002	0:15	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	134x - Very, very faint-cigar shaped-uniformly lit.		2	41	41.5	+	0	26	32	Nov
47	M 34	NGC 1039		OC	PER	5.2	12/21/1987	20:43	TAS Site	12.5" f/8 Newtonian	Fair	Fair	64x - Tight knot of stars in finder. Overwhelms FOV. There is a large separation of stars. Several bright members with several fainter ones.		2	42	7.4	+	42	44	46	Nov
48	M 77	NGC 1068		Gal	CET	9.1	12/21/1987	20:55	TAS Site	12.5" f/8 Newtonian	Fair	Fair	127x - Bright nucleus, small halo. Could be elliptical in shape. Doesn't look circular.		2	42	40.8	-	0	0	47	Nov
49	HR 804		Kaffajajidma (Gamma Cetus)	MS	CET	3.5	12/3/2001	22:24	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Bottom star of bowl of neck where body and head meet. Seeing must not be as good as I thought for these close guys are hard to separate. These are two blue-white stars. The one on the right is definitely a lot brighter than the one on the left. When the seeing got good once, the dim star on the left looked almost red in color and not white. Most of the time it is one smudge of a star.		2	43	17.9	+	3	14	8	Nov
50	NGC 1073			Gal	CET	11.1	10/23/2006	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
51	NGC 1097	h 2495		Gal	FOR	9.5	12/28/2008	20:26	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice, large tilted oval that goes from 2-8 o'clock. Large, bright core and dim extended halo seen.		2	46	19.5	-	30	16	32	Nov
52	HR 897		Acamar (Theta Eridanus)	MS	ERI	2.9	7/30/2024	17:55 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/Acamar.html">https://mikehotka.com/CertLogs/Bambury600/Acamar.html</a>	2	58	15.6	-	40	18	17	Nov
52	HR 897		Acamar (Theta Eridanus)	MS	ERI	2.9	9/28/2024	2:10	Okie-Tex SP	8" f/6 Newtonian	OK	OK	64x - A very close double. Left star brighter than right. Both white. Maybe yellow in color. Right two times brighter than left.		2	58	15.6	-	40	18	17	Nov
53	NGC 1232			Gal	ERI	9.8	12/28/2008	19:57	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
54	HR 977	HD20234	TW Horologium	CS	HOR	5.7	8/10/2024	18:37 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/TWHor.html">https://mikehotka.com/CertLogs/Bambury600/TWHor.html</a>	3	12	33.2	-	57	19	17	Dec
55	NGC 1261	D 337		GC	HOR	8.3	4/2/2016	21:06	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A medium sized, round, dim globular. Center large and uniformly lit and dims quickly at edge. Member stars easily seen, 30 degrees high.		3	12	15.3	-	55	12	59	Dec
56	NGC 1291	D 487		Gal	ERI	8.5	1/17/2015	20:54	CSAC	20" f/5 Newtonian	Good	Good	149x - A larger tilted oval, brighter. Has larger, round bright core. Has field star on lower part of glow. Goes 12 - 6 oc.		3	17	18.3	-	41	6	26	Dec
57	NGC 1313	D 206		Gal	RET	9.1	4/8/2016	19:23	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A long, fat, dim oval. Has very large, bright core down center. See mottling/texture on central core glow. Has thick, short, very dim glow above right hand side of oval and similar very dim thick short glow below left hand side. Nice.		3	18	16.0	-	66	29	43	Dec
58	NGC 1300			Gal	ERI	10.5	1/16/2009	18:45	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Small, vertical thin silver of light. Pretty faint. In center of halo glow, w/AV, see larger, bit brighter core. Then below core glow and on halo glow is a very faint field star that makes it look like it has 2 cores.		3	19	40.9	-	19	24	40	Dec
59	NGC 1316	D 548		Gal	FOR	8.4	12/28/2008	20:16	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice tilted oval. Fairly bright core and bit of halo around it. Goes from 10-4 o'clock in FOV.		3	22	41.4	-	37	12	28	Dec
60	NGC 1350			Gal	FOR	10.7	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
61	NGC 1360			PN	FOR	9.4	2/25/2006	19:19	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Low in SW with some sky glow there. See larger, faint oval glow with central star easily seen. With OIII, see oval glow better.		3	33	14.6	-	25	52	16	Dec
62	NGC 1365	D 562		Gal	FOR	9.5	1/15/2015	20:31	CSAC	20" f/5 Newtonian	OK	OK	149x - A large, dim, barred spiral with large, bright core and very dim arms on right hand side of bar tapers up and on left hand side of bar tapers down.		3	33	36.7	-	36	8	27	Dec
63	NGC 1380	D 574		Gal	FOR	9.9	10/18/2009	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
64	NGC 1387			Gal	FOR	10.9	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
65	NGC 1395			Gal	ERI	9.8	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
66	NGC 1398			Gal	FOR	9.8	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
67	NGC 1399	h 2569		Gal	FOR	9.4	1/25/2017	20:34	CSAC	20" f/5 Newtonian	Very Good	Very Good	195x - A small, round, uniformly lit dim glow.		3	38	28.9	-	35	26	59	Dec
68	NGC 1404			Gal	ERI	10.2	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
69	NGC 1407			Gal	ERI	10.1	10/5/2002	0:29	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	134x - Faint, round glow with a little brighter nucleus. This was very low above the horizon and I was looking through a bit of atmosphere.		3	40	11.8	-	18	34	48	Dec
70	NGC 1433	D 426		Gal	HOR	9.8	4/7/2016	19:10	OzSky	18" f/4.5 Newtonian	OK	Good	187x - A small, long filled oval. Very dim halo. Large, brighter oval core with even brighter center.		3	42	1.2	-	47	13	19	Dec
71	IC 348			BN	PER	7.3	10/26/2013	21:44	DAS Site	8" f/6 Newtonian	OK	OK	81x - Around a brighter field star is a larger halo glow. Shows better without UHC. Then above and to left and near are 8 dimmer stars in a ring with small halos around each. These best seen with UHC. 15mm gives best view with direct vision. Lynd brightness 3.		3	44	34.1	+	32	9	47	Dec
72	NGC 1435		Merope Nebula	BN	TAU	13.0	1/11/2021	20:28	LTO	24" f/4 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
73	M 45		Pleiades	OC	TAU	1.6	11/29/1986	18:50	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very fine open cluster.		3	47	0.0	+	24	7	0	Dec

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
74	NGC 1499		California Nebula	BN	PER	5.0	10/26/2013	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 adverted vision. Many stars over glow. It is long and slender. Lynd brightness 6.		4	3	14.4	+	36	21	33	Dec
75	NGC 1512			Gal	HOR	10.6	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
76	NGC 1515			Gal	DOR	11.4	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
77	NGC 1514			PN	TAU	10.9	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
78	NGC 1532			Gal	ERI	10.6	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
79	NGC 1543			Gal	RET	10.3	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
80	NGC 1535		Cleopatra's Eye	PN	ERI	9.6	10/5/2002	0:35	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	134x - Small. Round. Uniformly lit. w and w/o O3 yields same view. W/AV no diff seen. No central star seen.		4	14	15.8	-	12	44	20	Dec
81	NGC 1549	h 2629		Gal	DOR	9.6	4/1/2016	21:15	OzSky	16" f/4 Newtonian	Good	Good	125x - A small long cigar glow with larger, brighter core.		4	15	45.0	-	56	35	29	Dec
82	NGC 1553	D 331		Gal	DOR	9.0	4/6/2016	20:41	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A medium size tilted oval. Has bright linear core. Nice one.		4	16	10.6	-	55	46	46	Dec
83	NGC 1559			Gal	RET	10.7	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
84	NGC 1566	D 338		Gal	DOR	9.4	4/3/2016	19:50	OzSky	18" f/4.5 Newtonian	Fair	Fair	187x - A fat, dim oval. Medium sized. Has larger, bright core and dim halo.		4	20	0.5	-	54	56	14	Dec
85	Cr 50		Hyades (Melotte 25)	OC	TAU	0.8	12/28/2008	23:15	DAS Site	7x35 Binoculars	OK	OK	Lots of blue-white stars fill FOV of 7x35 binoculars. Composed of 3-4 magnitudes. 50+ stars makeup this OC. Pretty scattered. No central concentration.		4	26	54.0	+	15	52	0	Dec
86	NGC 1579			BN	PER	9.9	10/26/2013	21:51	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
87	NGC 1617			Gal	DOR	10.7	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	6	Dec
88	HR 1475	h 3670		MS	RET	5.8	7/22/2024	18:07 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance. red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR1475.html">https://mikehotka.com/CertLogs/Bambury600/HR1475.html</a>	4	33	33.8	-	62	49	25	Dec
89	Reticulum Dwarf	ESO 118-31		GC	RET	14.2	7/29/2024	18:27 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/ESO_118-31.html">https://mikehotka.com/CertLogs/Bambury600/ESO_118-31.html</a>	4	36	12.0	-	58	52	0	Dec
90	HR 1492	HD29712	R Doradus	CS	DOR	5.7	7/22/2024	18:04 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance. red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/RDor.html">https://mikehotka.com/CertLogs/Bambury600/RDor.html</a>	4	36	45.5	-	62	4	38	Dec
91	NGC 1672			Gal	DOR	10.2	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
92	NGC 1647			OC	TAU	6.2	10/6/1999	1:19	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	64x - Circular shaped open cluster. Fills FOV. Has several blue-white stars. It is in a star rich field with very faint stars behind it. Some members are to east of cluster (a bit outside the original FOV).		4	46	0.0	+	19	4	0	Dec
93	Dunlop 18		Iota Pictoris	MS	PIC	5.6	8/10/2024	18:34 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance. red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/IotaPic.html">https://mikehotka.com/CertLogs/Bambury600/IotaPic.html</a>	4	50	55.2	-	53	27	41	Dec
94	NGC 1763	D 230		BN	DOR	Integrated	4/5/2016	19:15	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A very small, dim, knot of stars. Stars seen.		4	56	49.3	-	66	24	33	Dec
95	HR 1607	HD31996	Hind's Crimson Star (R Leporis)	CS	LEP	8.6	1/8/2011	19:54	LTO	18" f/14.2 Cassegrain	Good	Good	162x - A bright, deep red colored star in a star poor FOV.		4	59	36.4	-	14	48	23	Dec
96	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
97	NGC 1818			OC	DOR	9.7	4/8/2016	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
98	HR 1648	HD32736	W Orionis	CS	ORI	5.8	1/6/2011	20:21	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Nice, bright, orange to red star.		5	5	23.7	+	1	10	39	Jan
99	NGC 1792			Gal	COL	10.2	12/28/2008	21:39	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Faint, uniformly lit oval glow. Goes from 1-7 o'clock in FOV. It's a long, slender silver of light.		5	5	14.1	-	37	58	48	Jan
100	NGC 1788			BN	ORI	9.0	10/5/2002	2:09	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	134x - Easy to see. Has brighter region to left and dims out to right. Appears to have 3-4 stars superimposed on brighter part of nucleus.		5	6	53.1	-	3	20	27	Jan
101	NGC 1808	D 532		Gal	COL	9.9	12/28/2008	21:34	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. Tilted oval. Goes from 1-7 o'clock. Larger, brighter core in center and tapered halo arms.		5	7	42.5	-	37	30	48	Jan
102	NGC 1850			OC	DOR	9.0	4/4/2016	22:02	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A very small, dim, has here brighter core area.		5	8	44.8	-	68	45	42	Jan
103	HD 33793	VZ Pictoris	Kapteyn's Star	VS	PIC	9.0	7/30/2024	17:46 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance. red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/Kapteyn.html">https://mikehotka.com/CertLogs/Bambury600/Kapteyn.html</a>	5	11	46.5	-	45	2	1	Jan
104	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
105	HR 1713		Rigel (Beta Orionis)	MS	ORI	0.2	12/3/2001	22:52	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Definitely see star on right is a blue-white star. The star on left is a yellow or red star. Sky is boiling and can see elongated figure 8. Brighter star dominates the dimmer star. Played with focus and watched star to see the separation when seeing cleared.		5	14	32.3	-	8	12	6	Jan
106	NGC 1851	D 508		GC	COL	7.1	2/24/2009	18:59	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. Bright, small compact core dims quickly to a large circular halo of member stars. Very low along horizon yet member stars almost pop out.		5	14	6.3	-	40	2	48	Jan
107	IC 405		Flaming Star Nebula	BN	AUR	10.0	10/26/2013	23:04	DAS Site	8" f/6 Newtonian	OK	OK	81x - With 15mm and UHC see a hint of glow around 8 stars forming a box C. Top center star brightest and has a dim halo glow around it. 2 bottom stars have here brighter glow. Around rest a hint of a ghostly glow. Seen with direct vision. Lynd brightness 4.		5	16	29.4	+	34	21	22	Jan
108	IC 410			BN	AUR	7.5	1/5/2013	10:01	LTO	24" f/4 Newtonian	Good	Good	188x - A small, round very dim glow with extremely faint star see in center of glow once in a while.		5	22	44.0	+	33	24	40	Jan
109	LMC	ESO 56-115	Large Magellanic Cloud (LMC)	GAL	DOR	0.8	4/1/2016	21:08	OzSky	TAK 120	Good	Good	TAK 120 with 3 degree FOV - Slew thru LMC and see lots of knots of gas and clusters. See Tarantula Nebula.		5	23	34.6	-	69	45	22	Jan
110	HR 1788		Eta Orionis	MS	ORI	3.3	3/3/2024	20:14	CSAC	20" f/5 Newtonian	Good	Good	60x - A, B extremely close and yellow. B is a bit fainter than A. C is white.		5	24	28.6	-	2	23	50	Jan
111	M 79	NGC 1904		GC	LEP	7.7	2/13/1988	20:05	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small and bright. Neat object. Can see pin pricks of individual stars. Fills half the FOV.		5	24	10.6	-	24	31	27	Jan
112	NGC 1955			OC	DOR	9.0	4/1/2016	21:49	OzSky	16" f/4 Newtonian	Good	Good	125x - 6-10 stars. Dim. In long narrow shape. With UHC, see the N1972 nebula under it. 30 degree high.		5	26	10.0	-	67	29	51	Jan

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d		m	s
113	NGC 1962			OC	DOR	11.5	4/6/2016	20:05	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - An OC with 15-20 dim stars of 3 magnitudes. Very loose. Has part that streams off to right. Easy to see. Nebula glow along top 1/2 of OC.		5	26	17.8	-	68	50	16	Jan
114	IC 418		Red Planetary or Spirograph Nebula	PN	LEP	9.3	2/3/2005	19:10	John Martin	12.5" f/8 Newtonian	Good	Good	134x - shows a bright, small round glow with a brighter central star in the middle of the glow. 10mm doesn't show central star as good but its there and a bigger circular glow. The OIII didn't improve the view. This is a NICE PNI!		5	27	28.3	-	12	41	48	Jan
115	NGC 1968			BN + OC	DOR	9.0	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
116	M 38	NGC 1912		OC	AUR	6.4	11/29/1986	19:10	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Relatively bright stars. Make out cross. 15 brighter stars. Almost fills FOV.		5	28	42.5	+	35	51	18	Jan
117	NGC 1931			BN	AUR	10.1	10/26/2013	23:24	DAS Site	8" f/6 Newtonian	OK	OK	64x - A small glow around a star. Nice. Easy to see. Seems uniformly lit. Same view with and without UHC. I like it the best without UHC and in 15mm eyepiece. Seen with direct vision. Lynd brightness 3.		5	31	25.7	+	34	14	42	Jan
118	HR 1851		Delta Orionis	MS	ORI	6.8	3/3/2024	20:32	CSAC	20" f/5 Newtonian	Good	Good	195x - A bright, B faint, C very faint.		5	32	0.4	-	0	17	4	Jan
119	M 1	NGC 1952	Crab Nebula	BN	TAU	8.4	2/13/1988	20:49	TAS Site	12.5" f/8 Newtonian	Great	Great	127x - Elongated. Moderately bright. Oval in nature. Uniform brightness over entire nebulosity.		5	34	31.9	+	22	0	52	Jan
120	Cr 69		Lambda Orionis Cluster	OC	ORI	2.8	1/1/2006	21:06	Kim's Place	8" f/6 Newtonian	Good	Good	79x - 4 very bright blue-white stars and a nice row of 3 more fainter stars to the right of these. Few more yet fainter stars seem. About 30 stars of 4 magnitudes makeup this large, loose OC. I can see a glow of nebulosity around the 2 brightest stars. Classification III 2 p.		5	35	6.0	+	9	56	0	Jan
121	HR 1887	ADS 4182	Struve 747	MS	ORI	4.8	12/3/2001	23:00	LTO	18" f/14.2 Cassegrain	Good	Good	203x - Looks like in Orion Nebula area. See nebulosity in EP. Several pairs of stars in FOV but one in center matches the magnitude and separation in instructions. One on bottom is a hair brighter than one on top. Both blue-white stars.		5	35	2.7	-	6	0	7	Jan
122	HR 1892		42 Orionis	MS	ORI	4.6	3/3/2024	20:21	CSAC	20" f/5 Newtonian	Good	Good	195x - Bright, elongated star.		5	35	23.2	-	4	50	18	Jan
123	HR 1893	ADS 4186	Trapezium (Theta Orionis)	MS	ORI	Various	1/10/2002	21:21	LTO	18" f/14.2 Cassegrain	Good	Good	162x - This is the trapezium in the Orion Nebula. Nebula looks fabulous. The bottom left is the brightest of the 4 stars. The top left and the bottom right are of equal brightness. The top right is a bit dimmer.		5	35	15.8	-	5	23	14	Jan
124	HR 1899		Nair Al Saif (Iota Orionis)	MS	ORI	2.8	1/10/2002	21:28	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Two blue white stars. Very neat. The one on the top is very bright compared to the one on the bottom. Hard to see at first, but now its easy to see. A bit of separation btw them.		5	35	26.0	-	5	54	36	Jan
125	M 42	NGC 1976	Orion Nebula	BN	ORI	4.0	12/21/1987	23:32	TAS Site	12.5" f/8 Newtonian	Fair	Fair	79x - Had a red and blue hue to it. Very extended and filament nebula extending from center. Could see dust lanes through nebula.		5	35	17.2	-	5	23	27	Jan
126	M 43	NGC 1982	Part of Orion Nebula complex	BN	ORI	9.0	12/21/1987	21:02	TAS Site	12.5" f/8 Newtonian	Fair	Fair	79x - Very faint but could tell nebula divided with dust lanes. Had star in center of nebula which could be the one illuminating it.		5	35	31.3	-	5	16	3	Jan
127	NGC 1977		The Running Man	BN	ORI	7.0	10/26/2013	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
128	NGC 1980		Iota Orionis Cluster	EN + OC	ORI	2.8	12/28/2008	23:29	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - A bright, blue-white stars lights up a noticeable glow around this star.		5	35	25.9	+	5	54	35	Jan
129	NGC 1981			OC	ORI	4.2	1/1/2006	21:36	Kim's Place	8" f/6 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
130	M 36	NGC 1980		OC	AUR	6.0	11/29/1986	19:00	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Several relatively bright (15-20) stars. Moderately compact open cluster.		5	36	17.7	+	34	8	27	Jan
131	HR 1931		Sigma Orionis	MS	ORI	3.8	1/10/2022	21:34	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A bright blue-white star.		5	36	44.8	-	2	36	0	Jan
132	NGC 2070	D 142	Tarantula Nebula	BN	DOR	5.0	4/1/2016	20:37	OzSky	16" f/4 Newtonian	Good	Good	125x - A nice, twisted glow. Bright. Some of glow in loops. Quite Extended. Has star cluster in center. With UHC and O3 shows different views of it. Fills FOV nicely. 40 degrees high.		5	38	38.4	-	69	5	39	Jan
133	NGC 2074			OC	DOR	8.5	4/1/2016	21:58	OzSky	16" f/4 Newtonian	Good	Good	125x - Small, 3 brighter stars for a C shape with 2 dimmer in core with a nice nebula glow underneath. 20 degrees high.		5	39	3.7	-	69	29	53	Jan
134	HR 1948		Alnitak (Zeta Orionis)	MS	ORI	1.8	1/10/2022	21:38	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A bright blue-white star.		5	40	45.5	-	1	56	33	Jan
135	IC 434	B33	Reflection Nebula and Horsehead Nebula (B33)	DN	ORI	11.0	1/21/2014	21:34	DAS Site	8" f/6 Newtonian	Good	Good	81x - Around a brighter field star is this lopsided, round glow with star to upper left of glow. Lynd Brightness 3		5	41	0.0	-	2	27	12	Jan
136	NGC 2023			BN	ORI	unknown	2/13/1988	21:28	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Faint nebulosity east of Lambda Orionis. Cut across middle with large dust lane. Each piece was broken with more dust lanes. Lambda Orionis had halo where star lights up gas.		5	41	38.3	-	2	15	33	Jan
137	NGC 2024		Flame Nebula	BN	ORI	unknown	12/28/2008	23:23	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Nice. Flame Nebula. Fills FOV nicely. See lots of dust lanes bisecting the nebulosity glow of this object.		5	41	42.5	-	1	51	23	Jan
138	NGC 2022			PN	ORI	11.6	2/25/2006	19:26	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Small, round, not uniformly lit, maybe a ring shape. Stands right out in the star field. Central stars seen with AV. w/OIII, easier to see. Central star better seen and can tell not uniformly lit, maybe ring with edges brighter than center. 10mm not a good view. Sky a bit soft and won't take the higher power. Makes it larger.		5	42	6.1	+	9	5	10	Jan
139	M 78	NGC 2068		BN	ORI	8.0	2/13/1988	21:00	TAS Site	12.5" f/8 Newtonian	Great	Great	127x - Fan shape. Cutoff on one side. Has a definite border. Nebula fans away from border. Has 2 stars embedded in it. Rather dim.		5	46	45.8	+	0	4	45	Jan
140	M 37	NGC 2099		OC	AUR	5.6	11/29/1986	19:05	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very faint. Very large. Great number of stars. Fills FOV. 2 or 3 diminute stars. Rest relatively faint.		5	52	18.3	+	32	33	11	Jan
141	IC 2149			PN	AUR	10.6	2/25/2006	23:21	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Very small, almost stellar, yet like out of focus star. Very blue-green in color. Like a tiny blinking PN. Look right at it and see central star on a very faint glow. Look at it with AV see oval glow. OIII shows glow very good also and hi not blinking nature. w/O III, gives best view. Nice.		5	56	23.9	+	46	6	19	Jan
142	NGC 2158			OC	GEM	8.6	1/1/2006	21:44	Kim's Place	8" f/6 Newtonian	Good	Good	64x - To lower left of M35. It's a round glow, almost nebula in appearance, yet see spackling of stars on it. 121x - still a glow but can see very faint stars easier on the glow. Not touching M35, but a bit away from it. Classification I 1 r.		6	7	25.6	+	24	5	46	Jan

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
143	M 35	NGC 2168		OC	GEM	5.1	2/13/1988	21:22	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Overwhelms FOV. Card says 120 members which is probably true. 8-10 little redder stars embedded in cluster. Other stars of varying magnitudes of blue stars compared to rest of cluster.		6	8	55.9	+	24	21	28	Jan
144	NGC 2169		The "37" Cluster	OC	ORI	5.9	1/1/2006	21:24	Kim's Place	8" f/6 Newtonian	Good	Good	64x - 15 stars of 3 or 4 magnitudes spell the #37. VERY COOL!! 6 stars form the 7 while the rest are in the 3. Classification II 2 p.		6	8	24.3	+	13	57	53	Jan
145	NGC 2174			BN	ORI	unknown	2/29/2024	20:41	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A dim star is near a small, faint glow of a nebula that is easy to see.		6	9	23.7	+	20	39	34	Jan
146	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 very faint stars on glow.		6	12	67.5	-	68	15	33	Jan
147	HR 2308	HD44984	BL Orionis	CS	ORI	6.3	1/6/2011	21:21	LTO	18" f/14.2 Cassegrain	Good	Good	162x - A bright orange star in a star rich FOV. BL Ori is the brightest star in the FOV.		6	25	28.2	+	14	43	19	Jan
148	HR 2356		Beta Monocerotiss	MS	MON	3.8	1/10/2002	21:58	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Two evenly bright stars. Blue-white.		6	28	49.1	-	7	1	59	Jan
149	NGC 2232			OC	MON	4.2	1/20/2006	21:19	Keota, CO	12.5" f/8 Newtonian	Good	Good	80x - Northern part is 3 very bright stars form an arc with middle star a double, companion much fainter. Approx 15 or so stars of a lesser magnitude, but again very blue-white are scattered between end stars of arc. Southern part has 7 stars, very bright, blue-white, for a flat V with apex star much brighter than other 6, which are of the same magnitude. 10-12 bright blue-white stars, but of a lesser magnitude surrounding bright apex V star. South part at 32mm FOV away from north part. Next to each other in separate 32mm FOV's. Class III 2 p.		6	28	1.1	-	4	50	51	Jan
150	HR 2384	Dunlop 30	Rumker 65	MS	PUP	5.3	8/18/2024	18:29 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR2384.html">https://mikehotka.com/CertLogs/Bambury600/HR2384.html</a>	6	29	49.0	-	50	14	21	Jan
151	NGC 2243			OC	CMA	9.4	3/3/2024	20:02	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
152	NGC 2237		Rosette Nebula	BN	MON	4.8	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
153	NGC 2244		Rosette Nebula Cluster	OC	MON	4.8	1/1/2006	21:53	Kim's Place	8" f/6 Newtonian	Good	Good	64x - 7 bright, blue-white stars of same magnitude and 7 more of a lesser magnitude and 15+ more of yet a fainter magnitude. Its boxy in shape. Classification III 3 p.		6	31	55.6	+	4	56	35	Jan
154	NGC 2261		Hubble's Variable Nebula	BN	MON	variable	1/25/2017	20:50	CSAC	20" f/5 Newtonian	Very Good	Very Good	195x - A star to the left and this nebula glow fans out to right. Dim. Uniformly lit.		6	39	9.5	+	8	44	39	Jan
155	NGC 2264		Christmas Tree Cluster + Cone Nebula	OC	MON	4.1	12/28/2008	23:40	DAS Site	12.5" f/8 Newtonian	OK	OK	79x - Nice. Looks like a tree with bright field star on bottom which is wider and then as it tapers off to upper right, it comes to a point. 40-50 stars of approx 3 magnitudes makeup this OC.		6	40	58.3	+	9	53	44	Jan
156	HR 2491		Sirius (Alpha Canis Majoris)	MS	ORI	-1.5	1/12/2023	20:06	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A very bright blue-white star.		6	45	8.6	-	16	43	10	Jan
157	M 41	NGC 2287		OC	CMA	4.5	4/4/1987	20:00	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Many stars. One red star. Large open cluster. Almost fills FOV.		6	46	0.0	-	20	45	15	Jan
158	NGC 2298	D 578		GC	PUP	9.3	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
159	NGC 2301		The Slingshot Cluster	OC	MON	6.0	2/24/2009	19:09	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. A chevron shaped cluster with brighter stars forming chevron. Chevron points at 2 o'clock. Other dimmer stars fills in behind chevron. 40-50 stars of many magnitudes with 1 star a bit redder right in center with rest very blue-white in color.		6	51	45.3	+	0	27	33	Jan
160	HR 2591	HD51208	NP Puppis	CS	PUP	6.4	3/5/2024	19:53	CSAC	20" f/5 Newtonian	Good	Good	195x - Bright red star.		6	54	26.7	-	42	21	56	Jan
161	HR 2618	Adhara	Adhara (Epsilon Canis Majoris)	MS	CMA	1.5	1/10/2002	22:03	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Another bright mismatched pair. Used OIII filter. Bottom star is the bright one and blue-green in color. Dimmer is right on top of brighter one and is red in the filter. Sits at 11 o'clock. Seeing steadies and it comes right in. Without filter, bright one is boiling and covers up the dim one.		6	58	37.6	-	28	58	19	Jan
162	M 50	NGC 2323		OC	MON	5.9	2/13/1988	21:43	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Card says cluster of 100 stars. Hard to tell this. One red star in field. 5-10 brighter stars and rest very faint. Doesn't quite fill FOV.		7	2	42.3	-	8	23	26	Feb
163	NGC 2327		Seagull Nebula	BN	CMA	unknown	2/29/2024	20:44	LTO	18" f/14.2 Cassegrain	Good	Good	203x - A dim star is surrounded by a small, faint glow. Easy to see.		7	4	7.2	-	11	18	51	Feb
164	NGC 2346			PN	MON	11.6	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
165	NGC 2353			OC	MON	7.1	10/5/2002	4:37	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	134x - About 15-18 stars of about 3 magnitudes makeup this box shaped cluster. There is an extremely bright field star at UL edge of this cluster.		7	14	30.3	-	10	15	57	Feb
166	HR 2764		h 3945	MS	CMA	4.8	9/26/2011	5:53	DAS Site	20x80 Binoculars	Good	Good	A brighter star and about and to left and near it is a much fainter companion.		7	16	36.8	-	23	18	56	Feb
167	Cr 135		Pi Puppis Cluster	OC	PUP	3.4	4/2/2024	20:04	LTO	6" f/9 Refractor	Good	Good	65x - Pi star red. See B, NV PUP, NW PUP and it's B, HR 2770. All bright. See 7 more fainter stars. Very loose. Fills FOV with these stars.		7	17	17.0	-	36	49	0	Feb
168	NGC 2360			OC	CMA	7.2	4/3/2003	20:17	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - 5-6 bright field stars bound this OC in a fairly circular shape. No members stars seen but there is a glow in the center of this ring of stars.		7	17	43.1	-	15	38	29	Feb
169	NGC 2359		Thors' Helmet	BN	CMA	unknown	1/21/2012	0:20	CSAC	30" f/4.5 Newtonian	Good	Good	264x - Nice. Saw lots of nebulosity to make helmet and faint nebulosity trailing off upper right of helmet.		7	18	30.9	-	13	13	38	Feb
170	NGC 2362		Tau Canis Majoris Cluster (Northern Jewel Box)	OC	CMA	3.8	4/3/2003	20:09	DAS Site	12.5" f/8 Newtonian	Good	Good	79x - Approx 25 stars in a triangle shape. 1 really bright field star in dead center of cluster. The rest, compared to this field star are much dimmer, composing of about 2 different magnitudes.		7	18	41.5	-	24	57	15	Feb
171	NGC 2371			PN	GEM	11.2	2/25/2006	23:37	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - Flattened oval. Bright. Maybe lobbed. OIII shows it nice but best view is without filter. On left and right side of lobe, its either much brighter or there are 2 nicely spaced field stars on glow. I tend to think its brighter PN regions because of the symmetry. No central star seen.		7	25	33.8	+	29	29	18	Feb
172	NGC 2392		Eskimo Nebula	PN	GEM	9.1	3/12/1988	20:25	TAS Site	12.5" f/8 Newtonian	Fair	Fair	127x - Circular. Uniformly lit (like M1). No ring shape seen. w/AV can easily see central star. Spectacular.		7	29	10.8	+	20	54	42	Feb
173	HD 60997	ADS 6216	Struve 1121	MS	PUP	6.9	4/2/2024	19:57	LTO	18" f/14.2 Cassegrain	Good	Good	171x - See A, B, C, D, E, H, I, J, E is the faintest.		7	36	35.7	-	14	29	0	Feb

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d		m	s
174	M 47	NGC 2422		OC	PUP	4.4	2/13/1988	22:00	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - 10 stars about same magnitude that dominate cluster. Fills FOV. Loose association of stars. Rest of stars are various magnitudes.		7	36	35.0	-	14	28	57	Feb
175	NGC 2442		The Meathook	Gal	VOL	10.5	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
176	HR 2949		k Puppis	MS	PUP	3.8	3/5/2024	20:18	CSAC	20" f/5 Newtonian	Good	Good	195x - 2 bright white stars, both of equal magnitude.		7	38	49.9	-	26	48	14	Feb
177	NGC 2419		Intergalactic Tramp	GC	LYN	10.3	2/24/2001	23:34	LTO	18" f/14.2 Cassegrain	Good	Good	203x - Globular cluster. It is a faint smudge here. Want to look at this in darker skies. Bounded by 4 stars that form a trapezium.		7	38	8.4	+	38	52	53	Feb
178	NGC 2439			OC	PUP	6.9	2/8/2008	20:42	Crow Valley	12.5" f/8 Newtonian	OK	OK	134x - Nicely fills center of FOV. 40-50 stars, some very faint seen. Roughly circular in shape. A very bright star, much brighter than all others in this OC to bottom right, near edge of stars at 4 o'clock. Nice. Its small though. This is the last OC of the OC club I looked at. Class II 3 m.		7	40	45.4	-	31	41	33	Feb
179	M 46	NGC 2437		OC	PUP	6.1	2/13/1988	21:56	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Card says 150 members. Overwhelms FOV. Very nice circular shape. Overall varying magnitudes fade away at edge. Has embedded fuzzy patch of light.		7	41	46.8	-	14	48	36	Feb
180	NGC 2438			PN	PUP	10.8	2/25/2006	21:53	Crow Valley	12.5" f/8 Newtonian	OK	OK	134x - Nice, small round uniformly lit glow. Easier to see with OIII. No central star seen.		7	41	50.4	-	14	44	9	Feb
181	NGC 2440			PN	PUP	9.4	2/25/2006	21:56	Crow Valley	12.5" f/8 Newtonian	OK	OK	134x - Small, yet very bright glow. Very oval, linear with a hint of fainter nebulousity up and down from brighter central glow. w/OIII see it better and the hint of the extended glow. No central star seen. Easy to spot in the FOV.		7	41	55.3	-	18	12	32	Feb
182	M 93	NGC 2447		OC	PUP	6.2	2/13/1998	21:48	TAS Site	12.5" f/8 Newtonian	Fair	Fair	64x - 2 red stars in field. Small, compact cluster. Most stars pretty faint. In finder a fuzzy patch of light.		7	44	29.2	-	23	51	11	Feb
183	NGC 2451			OC	PUP	2.8	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 1/2 of FOV in size.		7	45	15.0	-	37	58	3	Feb
184	NGC 2467			BN	PUP	7.1	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
185	NGC 2477	D 535		OC	PUP	5.8	4/6/2016	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
186	IC 2220		Toby Jug Nebula	BN	CAR	Unknown	8/18/2024	18:25 UT	SSO	20" f/6.8 Cassegrain			90 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoos/Bambury600/IC2220.html">https://mikehotka.com/CertLoos/Bambury600/IC2220.html</a>	7	56	51.3	-	59	7	31	Feb
187	NGC 2489			OC	PUP	7.9	4/26/2003	21:21	Sterling SP	12.5" f/8 Newtonian	Good	Good	134x - Very low, in hazy clouds of SW. Found 2 stars close to cluster, which was very faint. There was a glow where cluster should be with 5 stars seen in this glow with AV.		7	56	15.9	-	30	3	51	Feb
188	NGC 2516	L II.3	Southern Beehive	OC	CAR	3.8	4/1/2016	22:01	OzSky	16" f/4 Newtonian	Good	Good	125x - A large circular group of 15-20 blue white stars of 3 magnitudes above a bright field star. 60 degrees high.		7	58	7.1	-	60	45	12	Feb
189	NGC 2506			OC	MON	7.6	10/5/2002	4:44	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	134x - Easy to spot in 19mm. Tight, compact glow. 2 brighter stars and about 8 dimmer stars seen. The rest of OC is just a nice glow.		8	0	1.7	-	10	46	11	Feb
190	NGC 2527			OC	PUP	6.5	4/3/2003	20:39	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Very loose association of approx 10-15 BW stars. All stars of the same magnitude.		8	4	58.2	-	28	8	48	Feb
191	Dunlop 65	HR3206	Suhail al Muhif (Gamma Velorum)	MS	VEL	1.8	3/5/2024	20:13	CSAC	20" f/5 Newtonian	Good	Good	195x - A bright, B bit dimmer, both pale white. C and D asy to see.		8	9	31.9	-	47	20	12	Feb
192	NGC 2539			OC	PUP	6.5	2/24/2009	20:20	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. Small compact, 50 stars of 4 magnitudes with 4th being very faint. To lower left of a very bright field star. Roughly circular in shape.		8	10	37.9	-	12	49	9	Feb
193	NGC 2547	D 410		OC	VEL	4.7	1/23/2012	23:30	CSAC	10x35 Binocs	Fair	Fair	7 bright blue white stars. Big and very loose.		8	10	10.5	-	49	13	32	Feb
194	NGC 2546			OC	PUP	6.3	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
195	M 48	NGC 2548		OC	HVA	5.8	2/13/1988	22:07	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Open expanse of stars. Elongated cluster that overwhelms FOV.		8	13	43.1	-	5	45	2	Feb
196	NGC 2613			Gal	PYX	11.2	4/21/2009	20:49	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Faint, long, slender sliver of light. Little bigger right in the middle of the glow.		8	33	23.0	-	22	58	23	Feb
197	NGC 2627			OC	PYX	8.4	3/12/2010	19:39	DAS Site	20x80 Binoculars	Good	Good	To lower right of a bright field star and inside a triangle of 3 stars is this faint, round glow of this open cluster.		8	37	14.9	-	29	57	1	Feb
198	IC 2391		Omicron Velorum Cluster	OC	VEL	2.6	4/1/2016	22:09	OzSky	16" f/4 Newtonian	Good	Good	125x - 4 bright blue white stars for an arc from one edge of FOV at 2 o'clock and 8 o'clock on other end. 80 degrees high.		8	40	18.0	-	52	55	0	Feb
199	M 44	NGC 2632	Beehive Cluster or Praesepe	OC	CNC	3.1	2/13/1988	22:08	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Best view is in the finder. See it with naked eye. Many bright blue stars. Nice.		8	40	22.2	+	19	40	19	Feb
200	IC 2395			OC	VEL	4.6	4/1/2016	22:17	OzSky	16" f/4 Newtonian	Good	Good	125x - A small, downward pointing triangle of 15-20 stars of 3 magnitudes. 80 degrees high.		8	42	30.0	-	48	8	12	Feb
201	NGC 2659			OC	VEL	8.6	4/6/2013	22:20	CSAC	20" f/5 Newtonian	Good	Good	134x - 25-30 stars. Loose. Yet has shape with stars together in a roughly circular shape. 3-4 fainter magnitudes make up this OC. In 8x50 finder, see a tiny, roundish, very faint glow of OC right off the tip of an upside down, backwards seven.		8	42	33.0	-	45	0	2	Feb
202	HR 3485		Delta Velorum	MS	VEL	2.1	3/5/2024	21:06	CSAC	20" f/5 Newtonian	Good	Good	195x - A bright yellow star.		8	44	42.3	-	54	42	33	Feb
203	NGC 2670			OC	VEL	7.8	1/23/2012	23:35	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
204	HR 3475	Struve 1268	Iota Cancri	MS	CNC	4.0	1/10/2002	22:29	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Well separated. Star on right is reddish-orange and maybe 2x as bright as blue-white star on the left.		8	46	41.8	+	28	45	35	Feb
205	NGC 2669			OC	VEL	6.1	4/1/2016	22:24	OzSky	16" f/4 Newtonian	Good	Good	125x - A small, boxy OC of about 30 stars of a dim, dimmer and very faint magnitudes. Top is a double row of 15 stars. Middle is a line of 6 stars and bottom is 2 boxy groupings of rest. 70 degrees high.		8	46	22.0	-	52	56	51	Feb
206	NGC 2671			OC	VEL	11.6	4/6/2013	22:29	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
207	Cr 203		Trumpler 10	OC	VEL	5.0	3/5/2024	22:48	CSAC	20" f/5 Newtonian	Good	Good	195x - 8 bright stars, 2 bit brighter, and 15 dimmer stars form a loadstool shape. Nice one.		8	47	54.0	-	42	27	0	Feb
208	M 67	NGC 2682		OC	CNC	6.9	2/13/1988	22:14	TAS Site	12.5" f/8 Newtonian	Great	Great	64x - Tight little cluster. Fills half of FOV. One bright field star, rest of members are moderately bright to dim. Kind of circular in nature.		8	51	20.1	+	11	48	43	Feb

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d		m	s
209	NGC 2883			Gal	LYN	9.6	4/21/2009	21:36	DAS Site	12.5" f/8 Newtonian	Very Good	Very Good	134x - Nice. Bright, long slender. Bright. Maybe tapered cigar shaped. Pretty uniformly lit yet at each end hint of dim halo that is just at the tips. Eye wants to see a dust lane bisecting the center of the linear glow.		8	52	41.8	+	33	25	20	Feb
210	NGC 2736		The Pencil. Part of Vela Supernova Remnant	SR	VEL	10.0	3/24/2014	23:19	CSAC	20" f/5 Newtonian	OK	OK	134x - About a brighter field star is this large, bit of halo glow.		9	0	16.9	-	45	56	53	Mar
211	NGC 2775			Gal	CAN	10.4	1/23/2012	0:52	CSAC	20" f/5 Newtonian	Good	Good	82x - A small, round galaxy. Large core that dims slowly to dim halo.		9	10	20.3	+	7	2	16	Mar
212	NGC 2808	D 265		GC	CAR	6.2	4/1/2016	22:42	OzSky	18" f/4.5 Newtonian	Good	Good	125x - A nice, large globular. Bright core that dims slowly to edge. Tons of stars seen. Fills FOV nicely. 75 degrees high.		9	12	2.6	-	64	51	47	Mar
213	NGC 2818	D 564		PN	PYX	11.6	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	37.5	Mar
214	NGC 2867			PN	CAR	9.7	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	41.5	Mar
215	IC 2488			OC	VEL	7.4	4/4/2016	21:46	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 50+ stars of 3-4 magnitudes make a rectangular shape.		9	27	31.0	-	56	58	54	Mar
216	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	21.7	Mar
217	NGC 2910			OC	VEL	7.2	4/3/2016	19:50	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
218	NGC 2903			Gal	LEO	9.0	4/8/2010	21:51	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Nice, bright large tilted oval with large brighter NGC 2903 core. To left of core and on halo glow of NGC 2905 is this brightening seen w/AV. This is 2903. Nice.		9	32	9.9	+	21	30	7	Mar
219	NGC 2925			OC	VEL	8.3	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
220	NGC 2972			OC	VEL	9.9	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
221	NGC 2997	D 622		Gal	ANT	9.6	4/21/2009	21:07	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. Round, large circular face on galaxy. Very dim with bit brighter, larger core seen in center. Dim halo glow not uniformly lit but a bit mottled in appearance. Pretty dim overall. Mottling may be a hint of spiral arms.		9	45	38.5	-	31	11	25	Mar
222	HD 85405		Y Hydra	CS	HYA	6.6	3/5/2024	20:02	CSAC	20" f/5 Newtonian	Good	Good	195x - Bright red star.		9	51	3.7	-	23	1	2	Mar
223	NGC 3114	D 297		OC	CAR	4.2	6/18/2024	10:02 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/NGC3114.html">https://mikehotka.com/CertLogs/Bambury600/NGC3114.html</a>	10	2	42.7	-	60	6	32	Mar
224	NGC 3109		The Wisp	Gal	HYD	9.9	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
225	NGC 3115		Spindle Galaxy	Gal	SEX	8.6	4/4/2016	22:38	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A thin, long tilted oval. Has bright core and has central dimmer core down center. Dim halo. See a bright stellar point in center of core. Very faint halo extends a bit beyond bottom right of galaxy a bit. Nice.		10	5	14.1	-	7	43	9	Mar
226	NGC 3132	h 3228	Eight Burst Nebula	PN	VEL	9.2	4/5/2016	0:28	OzSky	18" f/4.5 Newtonian	Good	Good	187x - Without O3, a nice, bright circular shape with a bit more nebula above it than below. See thick ring. Central star very bright. With O3, see ring easier. Best view without filter.		10	7	1.8	-	40	26	11.7	Mar
227	NGC 3195	h 3241		PN	CHA	11.6	4/2/2016	21:54	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, dim, round uniformly lit glow. O3 shows it nicely. No central star seen. 30 degrees high.		10	9	21.1	-	80	51	30.8	Mar
228	NGC 3187			Gal	LEO	12.7	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
229	NGC 3199	D 332	Southern Crescent	BN	CAR	11.0	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
230	NGC 3201	D 445		GC	VEL	6.9	4/4/2016	22:50	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A roundish, uniformly lit globular. Central part of it is lopsided and concentrated on left hand side. Lots of member stars seen. Loose.		10	17	36.7	-	46	24	40	Mar
231	NGC 3184			Gal	UMA	9.9	1/23/2012	20:24	CSAC	20" f/5 Newtonian	Good	Good	134x - A dim, large, tilted oval. Has hare brighter large core seen.		10	18	17.0	+	41	25	27	Mar
232	NGC 3190			Gal	LEO	11.1	4/21/2009	22:12	DAS Site	12.5" f/8 Newtonian	Very Good	Very Good	134x - A nice, tapered edge on with brighter central bulge area and dimmer tapered arms.		10	18	5.9	+	21	49	59	Mar
233	HR 4057		Algieba (Gamma Leonis)	MS	LEO	2.0	6/23/2001	21:25	LTO	18" f/14.2 Cassegrain	Good	Good	162x - The brighter star is yellow and the mate is a little dimmer and looks white.		10	19	58.6	+	19	50	28	Mar
234	NGC 3228			OC	VEL	6.0	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
235	NGC 3242		Ghost of Jupiter	PN	HYA	7.7	3/18/2007	1:59	Crow Valley	12.5" f/8 Newtonian	Great	Great	134x - Nice, large, opaque round grayish glow. Bright. No central star seen. O3 filter doesn't show it any better or worse.		10	24	46.2	-	18	38	34	Mar
236	NGC 3247			OC	CAR	7.0	4/2/2016	22:27	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - 12 stars in 1 line and 7 in another form an X sitting on top of 2 knots of nebulosity with bigger knot to right of X. DSF doesn't show nebula any better. 60 degrees high.		10	25	52.0	-	47	55	35	Mar
237	HR 4143		t Velorum	MS	VEL	5.0	4/7/2024	21:48	Mena, AR	18" f/4.5 Newtonian	Good	Good	46x - A star orange. B star very faint, blue and very close.		10	32	56.9	-	47	0	12	Mar
238	HR 4153	HD91793	U Antlia	CS	ANT	5.5	4/2/2024	21:55	LTO	18" f/14.2 Cassegrain	Good	Good	171x - A dim, red star.		10	35	12.8	-	39	33	45	Mar
239	NGC 3293	D 321	The Gem Cluster	OC	CAR	Integrated	4/2/2016	22:36	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	85x - A small, roundish, 25-30 brighter blue white stars with 1 red star amongst them. Of 3 magnitudes and under stars is a definite dim glow of nebula. 13mm shows it fills center of FOV nicely.		10	35	53.8	-	58	14	10	Mar
240	HR 4163	HD62055	U Hydra	CS	HYA	4.9	4/2/2024	21:57	LTO	18" f/14.2 Cassegrain	Good	Good	171x - A bright red star.		10	37	33.3	-	13	23	5	Mar
241	NGC 3324			OC	CAR	7.0	4/5/2016	23:27	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - With DSF fills center of FOV. Nice, bright glow. Nebulosity pretty uniformly lit in main part.		10	37	18.7	-	58	39	36	Mar
242	HR 4177	Dunlop 94		MS	VEL	4.7	8/2/2024	9:03 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR4177.html">https://mikehotka.com/CertLogs/Bambury600/HR4177.html</a>	10	38	45.0	-	59	10	59	Mar
243	HR 4180	Dunlop 95	x Velorum	MS	VEL	4.3	8/2/2024	8:59 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR4180.html">https://mikehotka.com/CertLogs/Bambury600/HR4180.html</a>	10	39	18.4	-	55	36	12	Mar
244	Cr 227		Melotte 101	OC	CAR	8.4	4/4/2016	23:55	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 50+ stars of 4-5 dim to very faint magnitudes forms a tight, compact oval shaped OC.		10	42	12.0	-	65	6	0	Mar
245	IC 2602		Southern Pleiades	OC	CAR	1.6	4/2/2016	22:49	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	85x - 20-25 bright blue white stars. Over 2 FOV's in size. Very scattered. 70 degrees high.		10	42	56.5	-	64	23	39	Mar
246	M 95	NGC 3351		Gal	LEO	10.0	5/12/1988	0:55	TSP	12.5" f/8 Newtonian	Good	Good	127x - Fainter than M105 or M96. Nucleus not as dominate but was brighter than halo. Has an elongated, oval to linear shape.		10	43	57.7	+	11	42	13	Mar
247	NGC 3344			Gal	LMI	10.2	5/10/2010	23:20	TSP	12.5" f/8 Newtonian	Good	Good	134x - Larger round uniformly lit glow with 2 bright field stars at bottom of glow.		10	43	30.7	+	24	55	19	Mar
248	NGC 3372	D 309	Eta Carina Nebula	BN	CAR	3.0	5/28/2024	20:04	SSO	Tak TOA130 Refractor			60 sec exposure. Luminance. 2.7 x 2.7 degree field	<a href="https://mikehotka.com/CertLogs/Bambury600/NGC3372.html">https://mikehotka.com/CertLogs/Bambury600/NGC3372.html</a>	10	45	8.5	-	59	52	4	Mar

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data						Right Ascension			Declination			Best Month to Observe (10 pm)			
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec		d	m	s
249	M 96	NGC 3368		Gal	LEO	9.3	5/12/1988	0:50	TSP	12.5" f/8 Newtonian	Good	Good	127x - Looks oval with a relatively brighter nucleus and dim, diffused halo.		10	46	45.9	+	11	49	25	Mar
250	M 105	NGC 3379		Gal	LEO	9.4	5/12/1988	0:46	TSP	12.5" f/8 Newtonian	Good	Good	127x - Has bright nucleus and diffused halo. Looks circular.		10	47	49.7	+	12	34	53	Mar
251	NGC 3384			Gal	LEO	9.7	5/12/1988	0:46	TSP	12.5" f/8 Newtonian	Good	Good	127x - Looks like M105 except a noticeably bit smaller.		10	48	16.9	+	12	37	46	Mar
252	BD-20 3283	HIP 53085	V Hydra	CS	HYA	6.5	4/2/2024	21:58	LTO	18" f/4.2 Cassegrain	Good	Good	17x - A deep red, dim star.		10	51	37.2	-	21	15	0	Mar
253	NGC 3486			Gal	LMI	10.3	4/24/2003	1:33	Starling SP	12.5" f/8 Newtonian	OK	OK	134x - Small, oval, uniformly lit dim patch of light.		11	0	23.9	+	28	58	29	Apr
254	NGC 3521			Gal	LEO	9.3	4/9/2010	0:25	Keota, CO	12.5" f/8 Newtonian	Great	Great	134x - Nice, large, tilted oval with large, very bright core and lots of dim halo around it. Goes from 8:30 - 2:30 o'clock in FOV.		11	5	48.9	-	0	2	6	Apr
255	NGC 3532	D 323	Football Cluster	OC	CAR	3.0	4/2/2016	22:55	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	85x - A ton of blue white stars of approx. the same magnitude. Oval in shape with brighter stars to right. Goes 10 - 4 o'clock and fills FOV almost side to side.		11	5	47.5	-	58	46	13	Apr
256	NGC 3572			OC	CAR	6.6	4/2/2016	23:00	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A medium sized rhombus shape with 45 stars of several magnitudes with 1 bright star in upper left corner. 60 degrees high.		11	10	19.2	-	60	14	54	Apr
257	NGC 3576	Little Taranula		BN	CAR	integrated	6/22/2024	13:07 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CerLops/Bambury600/NGC3576.html">https://mikehotka.com/CerLops/Bambury600/NGC3576.html</a>	11	11	32.8	-	61	21	44	Apr
258	NGC 3603			OC	CAR	9.1	6/18/2024	10:09 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CerLops/Bambury600/NGC3603.html">https://mikehotka.com/CerLops/Bambury600/NGC3603.html</a>	11	15	6.6	-	61	15	40	Apr
259	NGC 3607			Gal	LEO	9.9	2/25/2006	1:34	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Just to east of NGC 3699 are 3 circular glows, with the middle one the brightest (NGC 3607) and has a nice bright nucleus with a bit of halo around it seen.		11	16	54.7	+	18	3	5	Apr
260	IC 2714			OC	CAR	8.2	4/5/2016	0:19	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 50+ dimmer blue white stars of 3-4 magnitudes make a loose, circular OC.		11	17	22.0	-	62	43	18	Apr
261	M 65	NGC 3623		Gal	LEO	9.3	6/27/1987	22:15	TAS Site	12.5" f/8 Newtonian	Fair	Fair	64x - Could see both in the same FOV.		11	18	55.9	+	13	5	37	Apr
262	NGC 3621	D 617		Gal	HYA	9.2	5/10/2010	22:58	TSP	12.5" f/8 Newtonian	Good	Good	134x - Larger, dim, uniformly lit, cigar shaped glow.		11	18	16.5	-	32	48	50	Apr
263	Cr 246		Melotte 105	OC	CAR	9.4	4/5/2016	21:40	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - 40-50 blue white stars of 2-3 magnitudes in a tight, circular shape.		11	19	42.0	-	63	29	0	Apr
264	M 66	NGC 3627		Gal	LEO	9.0	6/27/1987	22:20	TAS Site	12.5" f/8 Newtonian	Fair	Fair	127x - Each galaxy had large angular displacement and relatively bright. Could not make out any details.		11	20	15.1	+	12	59	28	Apr
265	NGC 3626			Gal	LEO	10.6	4/25/2003	23:54	Starling SP	12.5" f/8 Newtonian	Good	Good	134x - Very dim, circular with a star like nucleus which is centered in a dim, yet easy to see halo.		11	20	3.9	+	18	21	23	Apr
266	NGC 3628			Gal	LEO	9.8	4/9/2010	0:40	Keota, CO	12.5" f/8 Newtonian	Great	Great	134x - Nice, linear, almost vertical in FOV. Uniformly lit glow.		11	20	16.9	+	13	35	20	Apr
267	NGC 3699	h 3345		PN	CEN	11.3	4/2/2016	23:05	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, almost circular, very dim, uniformly lit glow with thick dust lane bisecting right hand side of it. 1/4 to left of lane and 1/4 of it to right. O3 shows it nicely and the same. 70 degrees high.		11	27	58.1	-	59	57	37	Apr
268	IC 2944		Lambda Centauri Cluster	OC	CEN	2.9	4/5/2016	23:52	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - In center of 3 bright stars that form a triangle is 50+ fainter, blue white stars in a loose association.		11	35	47.3	-	63	1	11	Apr
269	NGC 3766	D 289		OC	CEN	5.3	4/2/2016	23:19	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	137x - Good. Tons of blue white stars of 5 magnitudes. Fills center of FOV nicely with a roughly circular shape. Tight grouping. Has 2 pale white bright stars in upper left and lower right of cluster.		11	36	14.4	-	61	36	36	Apr
270	IC 2948	Frost	Lambda Centauri Nebula (Running Chicken)	BN	CEN	4.5	6/16/2024	2:29 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CerLops/Bambury600/IC2948.html">https://mikehotka.com/CerLops/Bambury600/IC2948.html</a>	11	39	5.0	-	63	26	36	Apr
271	NGC 3810			Gal	LEO	10.8	1/24/2012	1:05	CSAC	20" f/5 Newtonian	OK	OK	134x - A dim filled oval with small brighter core.		11	40	58.7	+	11	28	17	Apr
272	NGC 3918	h 3365	Blue Planetary	PN	CEN	8.1	4/3/2016	23:31	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A very small, round glow. See ring around edge and thinner middle. Maybe see central star.		11	50	17.8	-	57	10	56	Apr
273	NGC 3960			OC	CEN	8.3	4/3/2016	19:47	OzSky	18" f/4.5 Newtonian	Fair	Fair	187x - Awesome.		11	50	33.2	-	55	40	35	Apr
274	NGC 3923			Gal	HYA	10.0	5/10/2010	23:03	TSP	12.5" f/8 Newtonian	Good	Good	134x - Oval shaped, bright, pretty uniformly lit with maybe a hint of a halo around it.		11	51	1.8	-	28	48	21	Apr
275	NGC 4038	The Antennae		Gal	CRV	10.5	1/21/2012	1:48	CSAC	20" f/5 Newtonian	OK	OK	134x - Looks like a uniformly lit, upside down comma.		12	1	53.0	-	18	52	7	Apr
276	NGC 4039	The Antennae		Gal	CRV	10.7	1/21/2012	1:48	CSAC	20" f/5 Newtonian	OK	OK	134x - Looks like a uniformly lit 6. Best I've ever seen these two.		12	1	53.6	-	18	53	10	Apr
277	NGC 4052			OC	CRU	8.8	4/4/2016	22:58	OzSky	18" f/4.5 Newtonian	Good	Good	79x - A smaller, boxy, rectangular shape. 40-50 brighter blue white stars of 2-3 magnitudes.		12	2	5.2	-	63	13	24	Apr
278	NGC 4103	D 291		OC	CRU	7.4	4/5/2016	1:10	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 50-80 dimmer blue white stars of 3 magnitudes form a roughly circular compact OC.		12	6	39.5	-	61	15	0	Apr
279	NGC 4147			GC	COM	10.4	2/24/2001	23:41	LTO	18" f/14.2 Cassegrain	Good	Good	203x - Globular cluster. 11th mag. Very small. wAV can see member stars pop in and out. Bright little nucleus and halo dims out a bit. It's a fuzzy snowball.		12	10	6.3	+	18	32	32	Apr
280	M 98	NGC 4192		Gal	COM	10.0	5/13/1988	0:10	TSP	12.5" f/8 Newtonian	Great	Great	127x - A very tilted galaxy. See little ball of nucleus and oval halo around it. Fills half of FOV. Almost edge-on. Can see halo on both sides of nucleus.		12	13	48.2	+	14	54	0	Apr
281	NGC 4214			Gal	CVN	9.8	5/15/2012	1:03	Keota, CO	12.5" f/8 Newtonian	Good	Good	169x - A medium sized tilted oval. Easy to see. Has large core area and dim surrounding halo. Looks like maybe tapered arms off bottom right side but not upper left.		12	15	39.5	+	36	19	35	Apr
282	NGC 4216			Gal	VIR	10.2	1/24/2012	0:22	CSAC	20" f/5 Newtonian	Fair	Fair	134x - A nice edge on. PA 0-10 degrees. Long tapered arms with large bright core.		12	15	54.1	+	13	8	59	Apr
283	NGC 4244	Silver Needle Galaxy		Gal	CVN	10.0	1/23/2012	23:59	CSAC	30" f/4.5 Newtonian	OK	OK	263x - A long slender uniformly lit galaxy, pencil thin. PA 5:30 o'clock.		12	17	29.7	+	37	48	24	Apr
284	M 106	NGC 4258		Gal	CVN	8.7	5/13/1988	1:15	TSP	12.5" f/8 Newtonian	Great	Great	127x - Relatively bright. Oval in nature. Could be a nice spiral with 20 degree tilt towards us. Nucleus is small part of elongated object. Fills half of the FOV.		12	18	57.5	+	47	18	15	Apr
285	M 99	NGC 4254		Gal	COM	9.7	5/13/1988	0:13	TSP	12.5" f/8 Newtonian	Great	Great	127x - Round, faint galaxy. Not bright nucleus but brighter than halo.		12	18	49.6	+	14	25	1	Apr
286	NGC 4275			Gal	COM	12.8	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
287	M 61	NGC 4303		Gal	VIR	9.6	5/12/1988	22:36	TSP	12.5" f/8 Newtonian	Great	Great	127x - Has a pin point star-like nucleus. Round. Uniformly lit except for the nucleus. 2 faint field stars south of nucleus. One very faint field star on other side of nucleus. It dominated the FOV.		12	21	54.9	+	4	28	24	Apr
288	M 100	NGC 4321		Gal	COM	9.7	5/13/1988	0:33	TSP	12.5" f/8 Newtonian	Great	Great	127x - Put Teled right on it. Very faint, small galaxy. Brighter area in middle (nucleus) but not dominating. Circular.		12	22	54.9	+	15	49	21	Apr
289	NGC 4337			OC	CRU	8.0	4/5/2016	1:14	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 18 dim stars in 1, 1/2 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
290	NGC 4349			OC	CRU	7.4	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

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
291	NGC 4361			PN	CRV	10.9	4/26/2003	22:27	Sterling SP	12.5" f/8 Newtonian	Good	Good	134x - Small, round planetary nebula. Uniformly lit but dim. Central star easily seen. Stands right out in the middle of the glow.		12	24	30.7	-	18	47	5	Apr
292	NGC 4365			Gal	VIR	9.6	4/24/2022	22:59	CSAC	0	Very Good	Very Good	195x - A larger, bright galaxy with larger core.		12	24	28.1	+	7	19	3	Apr
293	Cr 256		Coma Star Cluster (Melotte 111)	OC	COM	2.9	1/17/2004	23:06	Keota, CO	7x35 Binoculars 20x80 Binoculars	Very Good	Very Good	This guy was naked eye. Used the 20x80 binoculars and it overwhelmed the field of view with bright, blue-white stars. Use the 7x35 and the cluster nicely filled FOV. This is a VERY loose association that forms a triangular shape, with the base across the top and it is then pointing down. There were about 5-8 more stars of the same magnitude and color streaming off to the lower right of the triangle point which are probably part of this cluster also.		12	25	6.0	+	26	6	0	Apr
294	H 5			OC	CRU	8.5	6/14/2024	10:42 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/H5.html">https://mikehotka.com/CertLogs/Bambury600/H5.html</a>	12	25	12.0	-	60	29	0	Apr
295	HD 108105		SS Virginis	CS	VIR	7.8	4/2/2024	22:02	LTO	18" f/14.2 Cassegrain	Good	Good	171x - A faint, deep red star.		12	25	14.4	-	0	46	11	Apr
296	M 84	NGC 4374		Gal	VIR	9.4	5/12/1988	23:56	TSP	12.5" f/8 Newtonian	Great	Great	127x - It is small with relatively bright nucleus that fades off to halo.		12	25	4.7	+	12	53	13	Apr
297	M 85	NGC 4382		Gal	COM	9.2	5/14/1988	1:37	TSP	12.5" f/8 Newtonian	Great	Great	127x - Very small. Hint of a bright nucleus and fairly dim halo. A field star is embedded in halo making it look like it has 2 necluses.		12	25	24.2	+	18	11	27	Apr
298	NGC 4372	D 67		GC	MUS	7.2	4/4/2016	22:23	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A large, loose oval shape. Very disperse. Lots of member stars seen. Has brighter field star to left of it. Oval shaped.		12	25	45.4	-	72	39	33	Apr
299	HR 4730		AcruX (Alpha Crucis)	MS	CRU	1.4	6/21/2024	10:15 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/AlphaCru.html">https://mikehotka.com/CertLogs/Bambury600/AlphaCru.html</a>	12	26	35.8	-	63	5	57	Apr
300	M 86	NGC 4406		Gal	VIR	9.0	5/14/1988	23:56	TSP	12.5" f/8 Newtonian	Great	Great	127x - Small, relatively bright nucleus that fades off into a small amount of halo.		12	26	11.9	+	12	56	47	Apr
301	NGC 4449			Gal	CVN	9.8	4/22/2009	1:49	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - This is a funny shaped galaxy. Appears to be a tilted oval with top part flat. Uniformly lit. Larger in size. Goes from 9:30 - 3:30 in FOV.		12	28	11.1	+	44	5	36	Apr
302	M 49	NGC 4472		Gal	VIR	8.4	5/12/1988	23:15	TSP	12.5" f/8 Newtonian	Great	Great	127x - Took a long time to find and verify because of all the other galaxies in the area. Brighter nucleus with something near it that is a field star. Nucleus quite large. Halo disappears quickly from nucleus. Not much halo Round in shape. Description in Messier catalogue helped find this object.		12	29	46.7	+	8	0	0	Apr
303	NGC 4463			OC	MUS	7.2	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
304	M 87	NGC 4486	Virgo A	Gal	VIR	8.8	5/12/1988	23:53	TSP	12.5" f/8 Newtonian	Great	Great	64x - Very small. Bright nucleus with small halo. Almost uniformly lit.		12	30	49.3	+	12	23	26	Apr
305	NGC 4485			Gal	CVN	12.1	4/22/2009	1:30	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - In same FOV and very near it is 4485. This is to the upper left of 4490 and is a much smaller, dimmer version of it. At a right angle to 4490 at top edge is has a very small yet noticeable brighter core.		12	30	31.4	+	41	42	0	Apr
306	NGC 4490			Gal	CVN	9.8	4/22/2009	1:30	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - A nice tilted oval, going from 8 - 2 o'clock in FOV NGC 4485 with nice, larger brighter core.		12	30	36.1	+	41	38	33	Apr
307	Coal Sack	DC 300.7-001.0		DN	CRU	Nil	4/2/2016	23:40	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	26mm - A dark void 1 FOV wide and about 3 FOVs long. Has a few stars on it, in a star rich field. Right hand side has thin tail shape.		12	31	19.0	-	63	44	36	Apr
308	M 88	NGC 4501		Gal	COM	9.7	5/13/1988	23:44	TSP	12.5" f/8 Newtonian	Great	Great	127x - Elongated oval. Tilted towards us a bit. Nucleus is a dim, small ball and diffused but you can tell it is there. It is brighter than the halo. Fills 1/4 to 1/3 of FOV. There are 2 field stars on bottom of halo.		12	31	59.1	+	14	25	15	Apr
309	NGC 4494			Gal	COM	9.7	6/22/2009	23:40	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Nice circular glow with large, bright core that dims slowly into a circular halo glow.		12	31	24.3	+	25	46	31	Apr
310	NGC 4526			Gal	VIR	9.5	4/26/2003	2:33	Sterling SP	12.5" f/8 Newtonian	OK	OK	134x - Elongated (linear) oval in shape. Large, relatively bright nucleus holds its magnitude then stops at a hint of a halo extending from each side of it.		12	34	3.1	+	7	41	58	Apr
311	H 6			OC	MUS	9.9	6/14/2024	10:40 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/H6.html">https://mikehotka.com/CertLogs/Bambury600/H6.html</a>	12	35	0.0	-	68	10	0	Apr
312	HR 4792		24 Comae	MS	COM	5.0	4/2/2024	22:03	LTO	18" f/14.2 Cassegrain	Good	Good	171x - A is a dim yellow star. B is a blue star.		12	35	7.8	+	18	22	38	Apr
313	M 89	NGC 4552		Gal	VIR	9.8	5/12/1988	23:41	TSP	12.5" f/8 Newtonian	Great	Great	127x - A very small galaxy. Bright nucleus, not large with very faint halo around it.		12	35	39.9	+	12	33	23	Apr
314	NGC 4559			Gal	COM	9.8	5/12/2010	3:07	TSP	12.5" f/8 Newtonian	OK	OK	134x - A long, slender, uniformly lit cigar shaped galaxy. Goes 10 - 4 o'clock in FOV with 3 field stars forming a triangle around end of halo glow.		12	35	57.7	+	27	57	35	Apr
315	M 90	NGC 4569		Gal	VIR	9.6	5/12/1988	23:47	TSP	12.5" f/8 Newtonian	Great	Great	127x - An elongated oval that fills one quarter of FOV. Has a star-like nucleus seen with AV. Can tell it is tilted a bit, not edge-on. Very faint.		12	36	49.9	+	13	9	45	Apr
316	NGC 4565		The Spindle	Gal	COM	9.5	3/18/2007	2:24	Crow Valley	12.5" f/8 Newtonian	Great	Great	134x - NICE!!! One of my favorites. Long, slender edge on with brighter, round core with nice central bulge. Center tapers to nice extended arms that dims slowly to nothing. Almost 7/8 of 19mm FOV in length.		12	36	20.7	+	25	59	19	Apr
317	NGC 4567		Siamese Twins	Gal	VIR	11.5	2/2/2019	1:48	LTO	24" f/4 Newtonian	Good	Good	188x - A larger, very faint, fat oval. Vertical in FOV. Approx 1/2 FOV long. Has tiny bright core.		12	36	32.8	+	11	15	28	Apr
318	NGC 4568		Siamese Twins	Gal	VIR	11.2	2/2/2019	1:48	LTO	24" f/4 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. Another look, N4767 is tilted a bit with respect to N4568. A nice surprise.		12	36	34.3	+	11	14	17	Apr
319	M 58	NGC 4579		Gal	VIR	10.1	5/12/1988	23:30	TSP	12.5" f/8 Newtonian	Great	Great	127x - Pretty small. Brighter nucleus sommates object. Not much halo because of large nucleus. Halo is faint.		12	37	43.5	+	11	49	5	Apr
320	M 104	NGC 4594	Sombrero Hat Galaxy	Gal	VIR	7.9	6/27/1987	22:00	TAS Site	12.5" f/8 Newtonian	Fair	Fair	127x - Nice edge on galaxy. With AV, could see dust lane. Medium surface brightness.		12	39	59.4	-	11	37	23	Apr
321	M 68	NGC 4590		GC	HVA	7.3	5/13/1988	1:30	TSP	12.5" f/8 Newtonian	Great	Great	127x - Fills half of the FOV. Fairly round. W/AV can see member stars. The more you look, the more stars you see. Nicely fills center of FOV. Pretty uniformly lit. Nice globular.		12	39	28.0	-	26	44	34	Apr
322	HR 4819		Gamma Centaurus	MS	CEN	2.2	5/16/2024	21:42	DAS Site	8" f/6 Newtonian	OK	Good	122x - Just above horizon. A brighter orangish star.		12	41	30.9	-	48	57	36	Apr
323	HR 4825		Gamma Virginis	MS	VIR	2.7	8/23/2001	22:33	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Two very close, evenly bright blue-white stars.		12	41	39.2	-	1	26	57	Apr
324	M 59	NGC 4621		Gal	VIR	9.8	5/12/1988	23:25	TSP	12.5" f/8 Newtonian	Great	Great	127x - With AV, has point star-like nucleus. Half the size of M60. Has extended halo area away from nucleus.		12	42	2.4	+	11	38	48	Apr

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
325	NGC 4609		Coalsack Cluster	OC	CRU	6.9	4/2/2016	23:34	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A bow cluster with 20-30 stars of 3-4 magnitudes. A bright field star is to right and shows nebulosity around it. Not obvious under cluster. The DSF shows a faint nebula glow from brighter field star to OC and under it nicely.		12	42	19.9	-	62	59	38	Apr
326	NGC 4631			Gal	CVN	9.1	6/22/2009	23:59	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - A nice, uniformly lit edge-on, 1/2 FOV long and pretty fat in the middle. Easy to see. Field star to left of center part of galaxy. Nice. Its vertical in FOV.		12	42	8.1	+	32	32	26	Apr
327	NGC 4636			Gal	VIR	9.7	3/21/2004	2:45	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Circular and relatively bright uniformly lit. May be a hint of a nucleus.		12	42	49.9	+	2	41	16	Apr
328	M 60	NGC 4649		Gal	VIR	8.8	5/12/1988	23:23	TSP	12.5" f/8 Newtonian	Great	Great	127x - Round, faint galaxy. Fairly small in FOV. Relatively brighter nucleus dominates object.		12	43	39.7	+	11	33	7	Apr
329	HR 4844	Beta Musca		MS	MUS	3.0	6/3/2024	10:50 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/BetaMus.html">https://mikehotka.com/CertLogs/Bambury600/BetaMus.html</a>	12	46	16.7	-	68	6	29	Apr
330	ESB 365	DY Crucis	Ruby Crucis	Star	CRU	9.1	4/12/2016	22:50	OzSky	18" f/4.5 Newtonian	Good	Good	125x - A nice deep red star to left of Beta Crucis and near.		12	47	24.7	-	59	41	41	Apr
331	NGC 4696		Part of Galaxy Abell 3526	Gal	CEN	10.5	4/3/2016	23:23	OzSky	18" f/4.5 Newtonian	OK	OK	187x - A small tilted oval. Pretty uniformly lit.		12	48	49.1	-	41	18	41	Apr
332	NGC 4697			Gal	VIR	9.2	3/21/2004	2:27	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Nice and bright. Easy to see. Quite large nucleus that is uniformly lit edge on oval (cigar shaped). Halo much dimmer than nucleus seen on each end.		12	48	35.7	-	5	48	3	Apr
333	NGC 4699			Gal	VIR	10.2	5/12/2010	1:39	TSP	12.5" f/8 Newtonian	Good	Good	134x - A bright oval glow with larger core that dims slowly to edge.		12	49	2.2	-	8	39	52	Apr
334	NGC 4710			Gal	COM	10.9	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
335	M 94	NGC 4736		Gal	CVN	8.0	5/13/1988	1:52	TSP	12.5" f/8 Newtonian	Great	Great	127x - Looks round. Small, bright dominating nucleus with very small faint halo around it.		12	50	53.0	+	41	7	12	Apr
336	NGC 4725			Gal	COM	9.2	5/17/2023	2:13	DAS Site	17.5" f/4.5 Newtonian	Very Good	Very Good	154x - Very large, bright, tilted oval.		12	50	26.5	+	25	30	1	Apr
337	NGC 4753			Gal	VIR	10.5	6/22/2009	21:53	DAS Site	12.5" f/8 Newtonian	Fair	Fair	134x - Nice. Brighter tilted oval with brighter, tiny core. Bit larger than most galaxies I've seen lately.		12	52	22.0	-	1	12	16	Apr
338	NGC 4762			Gal	VIR	10.0	5/10/2010	23:36	TSP	12.5" f/8 Newtonian	Good	Good	134x - Tiny edge on with brighter core and tiny dim arms coming off it.		12	52	56.0	+	11	13	52	Apr
339	NGC 4755	D 301	Jewel Box	OC	CRU	4.2	4/2/2016	21:33	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - Under the A are many dim, blue white stars of approx. the NGC 4755 same magnitude in a larger, circular area. One of the stars of A bar is orange. Most of cluster to left side of A and A upside down. Fills center of FOV nicely. 50+ stars in compact OC.		12	53	37.1	-	60	21	22	Apr
340	Dunlop 126	HR4898	Mu Crucis	MS	CRU	4.0	6/21/2024	10:18 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/MuCruc.html">https://mikehotka.com/CertLogs/Bambury600/MuCruc.html</a>	12	54	35.6	-	57	10	41	Apr
341	HR 4915	Struve 1692	Cor Caroli (Alpha Canes Venatici)	MS	CVN	2.9	6/23/2001	22:48	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Two stars are blue-white, one being two times as bright as other.		12	56	1.5	+	38	19	7	Apr
342	M 64	NGC 4826	Black Eye Galaxy	Gal	COM	8.4	5/13/1988	2:05	TSP	12.5" f/8 Newtonian	Great	Great	127x - Galaxy tilted towards us. Oval in nature. Small, round, bright nucleus. Halo is uniform lit and bright. W/AV, can see a dust lane on the other (back) side of bright nucleus. Went approx. half way around the bck of it. Fills half the FOV.		12	56	44.2	+	21	40	58	Apr
343	NGC 4815			OC	MUS	8.6	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
344	NGC 4833	D 164	Southern Butterfly	GC	MUS	8.4	4/4/2016	22:27	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A larger globular. Has small, uniformly lit central core and lots of stars in extended halo. Lots of member stars. Bright field star below globular and on outer halo stars.		12	59	34.9	-	70	52	28	Apr
345	NGC 4852			OC	CEN	8.9	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
346	NGC 4889			Gal	COM	11.5	4/25/2022	23:14	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
347	NGC 4945	D 411	The Tweezers Galaxy	Gal	CEN	8.9	4/4/2016	21:07	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A nice, long, brighter galaxy.		13	5	27.1	-	49	28	3	May
348	NGC 4976			Gal	CEN	10.2	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
349	NGC 5005			Gal	CVN	10.3	6/23/2009	0:14	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - A nice, bright longer tilted oval that has extended halo glow going from 1 - 7 o'clock in FOV. Has larger, much brighter central core. Tapered arms disappear slowly from core.		13	10	56.6	+	37	3	33	May
350	M 53	NGC 5024		GC	COM	7.7	6/27/1987	23:00	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Almost fills FOV. See prominent stars pop out. Seemed lopsided to one side (not symmetrical).		13	12	55.2	+	18	10	8	May
351	M 63	NGC 5055	Sunflower Galaxy	Gal	CVN	9.0	5/13/1988	1:48	TSP	12.5" f/8 Newtonian	Great	Great	127x - Very dim. Has nice oval shape. Nucleus dim and halo very faint.		13	15	49.1	+	42	1	50	May
352	HD 115236	UY Centauri		CS	CEN	8.3	5/16/2024	21:54	DAS Site	8" f/6 Newtonian	OK	Good	64x - A yellowish star. Very low above horizon.		13	16	31.8	-	44	42	16	May
353	NGC 5061			Gal	HVA	10.5	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
354	NGC 5068			Gal	VIR	9.8	4/1/2005	22:00	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
355	NGC 5078			Gal	HVA	10.8	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
356	NGC 5102	h 3492		Gal	CEN	9.1	4/7/2013	3:23	CSAC	20" f/5 Newtonian	Good	Good	134x - A small, tilted oval with larger, bright core.		13	21	57.3	-	36	37	49	May
357	NGC 5128	D 482	Centaurus A (Hamburger Galaxy)	Gal	CEN	6.8	5/11/2010	0:51	TSP	12.5" f/8 Newtonian	Good	Good	134x - Nice. Large, round dim glow with dust lane bisecting it. Dim overall.		13	25	29.0	-	43	1	0	May
358	NGC 5139	D 440	Omega Centauri	GC	CEN	3.9	4/1/2016	21:03	OzSky	16" f/4 Newtonian	Good	Good	125x - Nice. Omega Centauri - Incredible. Fills FOV. Tons of stars. Best I've ever seen it.		13	26	45.9	-	47	28	37	May
359	M 51	NGC 5194	Whirlpool Galaxy	Gal	CVN	8.5	6/27/1987	21:30	TAS Site	12.5" f/8 Newtonian	Fair	Fair	127x - Could see companion. Some spiral structure with AV. Could not see bridge. Almost fills FOV. Impressive galaxy.		13	29	52.1	+	47	11	43	May
360	NGC 5189	D 252	Spiral Planetary	PN	MUS	10.3	4/4/2016	21:02	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - An irregular glow with darker glow 3/4 ring near top of glow. Nice. In a star rich field.		13	33	32.9	-	65	58	26	May
361	ESO 270-17		Fourcade-Figueroa Object	Gal	CEN	11.8	8/6/2024	10:05 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/MCG-7-28-4.html">https://mikehotka.com/CertLogs/Bambury600/MCG-7-28-4.html</a>	13	34	39.6	-	45	32	27	May
362	M 83	NGC 5236	Southern Pinwheel	Gal	HVA	7.8	5/13/1988	2:15	TSP	12.5" f/8 Newtonian	Great	Great	127x - Face-on galaxy. Not bright but easy to see. Fills half of the FOV. Has bright nucleus and large, uniformly lit halo. W/AV, could see a ring of CCW arms.		13	37	0.2	-	29	52	4	May
363	NGC 5248			Gal	BOO	10.0	6/23/2009	1:12	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Nice tilted oval with larger, brighter core and longer, dim, tapered halo arms off this core. Goes from 10 - 4 o'clock in FOV.		13	37	32.0	+	8	53	8	May
364	NGC 5237	ESO 270-22		Gal	CEN	12.2	1/28/2017	4:18	CSAC	20" f/5 Newtonian	Good	Good	195x - A very small, thin oval, 3:1. Very faint. Has bit brighter core just above center.		13	37	38.9	-	42	50	52	May

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination			Best Month to Observe (10 pm)		
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
365	NGC 5253			Gal	CEN	10.7	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
366	M 3	NGC 5272		GC	CVN	6.3	5/14/1988	1:44	TSP	12.5" f/8 Newtonian	Great	Great	127x - Fills FOV. See stars speckled over nucleus and around edge. Stars were of varying magnitudes.		13	42	11.2	+	28	22	32	May
367	NGC 5281			OC	CEN	5.9	4/3/2016	0:23	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 20-25 stars surround a bright field star in center. Above the field star and to left of a field star, the stars form an X in 2 lines. Below and to right they form an arc. Fills center of FOV and somewhat compact. 45 degrees high.		13	46	35.1	-	62	54	59	May
368	NGC 5286	D 388		GC	CEN	7.4	4/4/2016	0:16	OzSky	18" f/4.5 Newtonian	Good	Good	187x - To left of bright field star is this large, dim, compact globular. Bright core dims slowly to edge. Lots of member stars seen.		13	46	26.5	-	51	22	24	May
369	NGC 5316			OC	CEN	6.0	4/3/2016	0:27	OzSky	18" f/4.5 Newtonian	Good	Good	85x - 40+ dimmer, blue white stars of 3-4 magnitudes make an arrow head shape pointing at 3:30 o'clock. Small and compact.		13	53	57.2	-	61	52	9	May
370	NGC 5364			Gal	VIR	10.5	6/12/1988	1:03	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small fuzzy object nestled with 2 brighter field stars. See bright nucleus blend into diffused halo.		13	56	11.9	+	5	0	52	May
371	HR 5267		Agema / Hadar (Beta Centauri)	MS	CEN	0.6	6/17/2024	1:38 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/BetaCen.html">https://mikehotka.com/CertLogs/Bambury600/BetaCen.html</a>	14	3	49.4	-	60	22	23	May
372	NGC 5460			OC	CEN	5.6	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
373	ESO 97-13		Circinus Dwarf Galaxy	Gal	CIR	10.9	6/14/2024	10:48 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/ESO-97-13.html">https://mikehotka.com/CertLogs/Bambury600/ESO-97-13.html</a>	14	13	10.2	-	65	20	20	May
374	IC 4406	Stewart		PN	LUP	10.3	5/5/2005	1:24	TSP	12.5" f/8 Newtonian	OK	OK	134x - Small, round uniformly lit glow. Sometimes see central star with AV, w/OIII filter, central star easily seen. Glow easier to see though.		14	22	26.0	-	44	9	4	May
375	NGC 5617	D 302		OC	CEN	6.3	4/4/2016	0:40	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A larger, 1/2 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
376	NGC 5634			GC	VIR	9.5	5/6/2005	23:18	TSP	12.5" f/8 Newtonian	Good	Good	134x - Small, round dim glow. Uniformly lit with maybe a hare brighter nucleus. Class 8. Mottling seen and maybe speckling of member stars. GC is situated between 2 brighter field stars.		14	29	37.3	-	5	58	36	May
377	NGC 5643			Gal	LEP	10.5	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
378	He 2-111	ESO 134-7		PN	CEN	13.0	6/14/2024	10:52 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. OIII. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/He-2-111.html">https://mikehotka.com/CertLogs/Bambury600/He-2-111.html</a>	14	33	18.4	-	60	49	35	May
379	NGC 5662			OC	CEN	5.5	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
380	HR 5459		Alpha Centauri (Rigel Kentaurus)	MS	CEN	0.0	4/1/2016	20:33	OzSky	16" f/4 Newtonian	Good	Good	125x - 2 bright yellow stars. Very close. Both approx. same magnitude.		14	39	31.7	-	60	49	58	May
381	NGC 5694			GC	HYA	10.2	7/10/2004	21:54	Kim's Place	12.5" f/8 Newtonian	Good	Good	134x - Globular. Small and dim. Fuzzy ball-appears tight. Maybe Class II. No member stars seen.		14	39	36.5	-	26	32	18	May
382	HR 5478		Zeta Bootis	MS	BOO	3.8	5/16/2024	21:25	DAS Site	8" f/6 Newtonian	Good	Good	122x - A is a bright white star. B star is dim and away and to upper right. C star is very faint and closer to A and to lower left.		14	41	8.9	+	13	43	42	May
383	Dunlop 166		Alpha Circinus	MS	CIR	3.2	6/18/2024	14:01 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/AlphaCir.html">https://mikehotka.com/CertLogs/Bambury600/AlphaCir.html</a>	14	42	30.1	-	64	58	33	May
384	HR 5505	HD129988	Izar (Epsilon Bootes)	MS	BOO	4.7	5/16/2024	21:34	DAS Site	8" f/6 Newtonian	Good	Good	122x - A star is orangish and bright. C star is near and very faint.		14	44	59.1	+	27	4	30	May
385	IC 4499			GC	APS	10.1	4/4/2016	0:50	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A larger, round, very faint, uniformly lit glow. Has bright field star in center of glow which makes it look weird.		15	0	18.0	-	82	13	0	Jun
386	NGC 5824			GC	LUP	9.1	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
387	NGC 5822	D h 3588		OC	LUP	6.5	4/4/2016	0:52	OzSky	18" f/4.5 Newtonian	Good	Good	85x - Lots of brighter blue white stars almost fills FOV with a butterfly shaped OC. Many magnitudes seen. Very loose association.		15	4	21.2	-	54	23	47	Jun
388	HR 5605		Pi Lupus	MS	LUP	3.9	6/18/2024	14:58 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR5605.html">https://mikehotka.com/CertLogs/Bambury600/HR5605.html</a>	15	5	7.1	-	47	3	5	Jun
389	NGC 5823			OC	CIR	7.9	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
390	NGC 5882	D h 3594		PN	LUP	9.4	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 pinpoints in FOV.		15	16	50.0	-	45	38	58	Jun
391	NGC 5897		Ghost Globular	GC	LIB	8.4	6/12/1988	1:32	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Dim surface brightness. Waiting and w/AV its possible to see some of the member stars of globular. Only the brighter ones though.		15	17	24.4	-	21	0	37	Jun
392	M 5	NGC 5904		GC	SER	5.7	9/19/1987	21:45	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small. Fairly bright nucleus. Can see many member stars.		15	18	33.7	+	2	4	58	Jun
393	HR 5694	ADS 9584	5 Serpents	MS	SER	5.0	6/15/2023	22:04	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A yellow, B white and dim.		15	19	19.0	+	1	45	51	Jun
394	NGC 5925			OC	NOR	8.4	4/4/2016	0:58	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 1 1/2 FOVs long and 1/2 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
395	NGC 5927	D 389		GC	LUP	8.0	4/4/2016	1:06	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A larger, dim glow. Brighter core that dims slowly to edge. More globular to 4 o'clock direction from core than on left. Many member stars easily seen.		15	28	4.0	-	50	40	22	Jun
396	HR 5788		Delta Serpens	MS	SER	5.1	6/15/2023	22:07	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A bright, light yellow star. B is very close, dimmer, and light yellow 22:38.		15	34	48.1	+	10	32	16	Jun
397	NGC 5946			OC	NOR	8.4	4/4/2016	1:10	OzSky	18" f/4.5 Newtonian	Good	Good	187x - Small, dim, round. Has larger, brighter core and bit of dim halo around it. Brighter field star at 10 o'clock and on glow and near edge. No member stars, just the glow.		15	35	28.5	-	50	39	34	Jun
398	NGC 5986	D 552		GC	LUP	7.6	4/7/2016	4:00	OzSky	18" f/4.5 Newtonian	Good	Good	187x - Globular. A medium size, round, uniformly lit. Brighter member stars easily seen. Fainter ones speckled on glow.		15	46	3.4	-	37	47	10	Jun
399	PK 329-2.1	He 2-149	Shapley 1	PN	NOR	13.6	7/21/2024	11:38 UT	SSO	20" f/6.8 Cassegrain			120 sec exposure. OIII. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/He2-149.html">https://mikehotka.com/CertLogs/Bambury600/He2-149.html</a>	15	51	40.9	-	51	31	28	Jun
400	NGC 5989			OC	NOR	9.0	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/NGC5989.html">https://mikehotka.com/CertLogs/Bambury600/NGC5989.html</a>	15	52	8.6	-	56	28	22	Jun
401	NGC 6005			OC	NOR	10.7	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
402	Cr 295		Trumpler 23	OC	NOR	11.2	6/3/2024	10:25 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/Cr295.html">https://mikehotka.com/CertLogs/Bambury600/Cr295.html</a>	16	0	48.0	-	53	32	0	Jun

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination				Best Month to Observe (10 pm)	
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d	m		s
403	SL 7			DN	LUP	NI	6/17/2024	13:33 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoos/Bambury600/Images/SL7.jpg">https://mikehotka.com/CertLoos/Bambury600/Images/SL7.jpg</a>	16	1	56.7	-	41	52	0	Jun
404	NGC 6025	D 304		OC	TRA	5.1	4/3/2016	1:11	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A 1/2 FOV tall and 1/4 FOV wide shaped fire hydrant. 20-30 bright blue white stars of 3 magnitudes. Vertical in FOV. 40 degrees high.		16	3	17.0	-	60	25	54	Jun
405	HR 5978		Xi Scorpii	MS	SCO	4.1	6/24/2001	0:33	LTO	18" f/14.2 Cassegrain	Good	Good	203x - Both are in the same FOV. Able to distinguish the two by the magnitudes printed here. Xi has a bright member, which is white, and a fainter member very near it that is blue-white. Then just below this is Struve 1999. The 2 stars are the same brightness and both are white stars.		16	4	22.1	-	11	22	24	Jun
406	HR 5984		Beta Scorpii	MS	SCO	2.6	6/24/2001	0:38	LTO	18" f/14.2 Cassegrain	Good	Good	162x - The left star of the claw (T) of scorpius. These are 2 blue-white stars. The one on left is two times as bright as the one on the right.		16	5	26.2	-	19	48	20	Jun
407	HR 6026		Jabbah (Nu Scorpii - Southern Double Double)	MS	SCO	4.0	6/15/2023	22:13	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A bright white. B is near, dimmer, white.		16	11	59.7	-	19	27	39	Jun
408	NGC 6072	h 3620		PN	SCO	11.7	7/22/2006	22:16	John Martin	12.5" f/8 Newtonian	OK	OK	134x - Nice, small round glow can be seen with AV. Easily seen w/o filter. O3 makes it better but not as good as UHC which is not as good as with no filters at all. No central star seen.		16	12	58.2	-	36	13	47	Jun
409	NGC 6067	D 360		OC	NOR	5.6	4/3/2016	1:14	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A tight, compact, roughly circular glow with 50+ blue white stars of 3-4 magnitudes. Stands out in star rich field.		16	13	11.0	-	54	13	6	Jun
410	H 10			OC	NOR	9.0	6/14/2024	10:57 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoos/Bambury600/H10.html">https://mikehotka.com/CertLoos/Bambury600/H10.html</a>	16	15	36.0	-	54	52	0	Jun
411	M 80	NGC 6093		GC	SCO	7.3	6/27/1987	23:30	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very compact globular. Bright nucleus and diffused halo. Could see members of globular w/AV.		16	17	3.1	-	22	58	30	Jun
412	Menzel 3	ESO 225-9	Ant Nebula	PN	NOR	13.8	4/4/2016	23:24	OzSky	18" f/4.5 Newtonian	Good	Good	187x - With O3, under several dim field stars is this medium sized, extremely faint, roundish glow. Sweep scope back and forth and my eye follows glow.		16	17	13.4	-	51	59	10	Jun
413	NGC 6087		S Normae Cluster	OC	NOR	5.4	4/3/2016	1:18	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 20+ stars form a thick block V with a much brighter stars on left hand side of V. Maybe 10 more stars to left of similar magnitude are part of this also. 30 degrees high.		16	18	50.5	-	57	56	4	Jun
414	M 4	NGC 6121		GC	SCO	5.4	6/27/1987	23:15	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Not compact globular cluster. Many members stars seen. Dominated FOV. Lopsided to east. Very nice.		16	23	35.4	-	26	31	31	Jun
415	HR 6112		Rho Ophiuchus	MS	OPH	4.6	6/15/2023	22:16	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A orangish. B extremely close, white. C & D a bit away. Both white and same magnitude.		16	25	35.1	-	23	26	50	Jun
416	IC 4603			BN	OPH	unknown	7/8/2024	22:41	DAS Site	8" f/6 Newtonian	Good	Good	203x - The area has a slight glow in FOV around the 2 brighter stars. The glow is brightest near the 2 stars. Very subtle.		16	25	36.0	-	24	28	0	Jun
417	NGC 6101			GC	APS	9.2	4/3/2016	1:22	OzSky	18" f/4.5 Newtonian	Good	Good	187x - Seeing is poor here. A larger, very dim glow. Has approx. 10 stars on glow I don't think are part of globular. Very hard to see any members.		16	25	48.5	-	72	12	6	Jun
418	NGC 6124	D 514		OC	SCO	5.8	5/12/2010	2:41	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
419	NGC 6134	D 412		OC	NOR	7.2	8/20/2009	21:55	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - A very dim, round uniformly lit glow seen w/AV. Almost not there but I can see it.		16	27	46.5	-	49	9	4	Jun
420	NGC 6139			GC	SCO	9.1	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
421	NGC 6144			GC	SCO	9.0	5/5/2000	0:52	TSP	12.5" f/8 Newtonian	Good	Good	79x - Very faint smudge but now I can see some member stars w/AV. There is a brighter field star to the left of the cluster. 19mm- it's still very dim but can see member stars. The field star in the FOV is very obvious now. Roughly circular in shape (a meteor just shot across the EP-very fast).		16	27	14.1	-	26	1	29	Jun
422	HR 6134		Antares (Alpha Scorpii)	MS	SCO	1.0	7/3/2013	22:23	DAS Site	8" f/6 Newtonian	Good	Good	121x - Split it with OIII filter. Antares is now green and its companion is red and very close, bright and at 1 o'clock from Antares. Mark gave me this idea.		16	29	24.5	-	26	25	55	Jun
423	NGC 6153	Copeland		PN	SCO	10.9	7/22/2006	22:27	John Martin	12.5" f/8 Newtonian	OK	OK	134x - Nice, small round glow, yet bright. Forms the top of a diamond shape with 3 other stars. O3 doesn't do much for this as well as the UHC. Best view w/o any filter. Uniformly lit. No central star seen.		16	31	30.6	-	40	15	13	Jun
424	M 107	NGC 6171		GC	OPH	7.8	9/19/1987	21:54	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very faint. Hint of a glow. Has bright nucleus somewhat. Couldn't see any stars.		16	32	31.9	-	13	3	10	Jun
425	NGC 6152			OC	NOR	8.1	5/12/2010	3:14	TSP	20x80 Binoculars	Good	Good	Medium sized round glow.		16	32	45.5	-	52	38	38	Jun
426	NGC 6164			BN	NOR	unknown	6/17/2024	13:36 UT	SSO	20" f/6.8 Cassegrain			60 sec exposure. Luminance. OIII. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLoos/Bambury600/NGC6164.html">https://mikehotka.com/CertLoos/Bambury600/NGC6164.html</a>	16	33	41.6	-	48	4	46	Jun
427	NGC 6167	D 400		OC	NOR	6.7	5/12/2010	3:14	TSP	20x80 Binoculars	Good	Good	Small, very dim glow.		16	34	34.9	-	49	46	19	Jun
428	NGC 6188	h 3642	Rim Nebula	BN	ARA	5.2	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/CertLoos/Bambury600/RimNebula.html">https://mikehotka.com/CertLoos/Bambury600/RimNebula.html</a>	16	40	5.8	-	48	39	44	Jun
429	NGC 6192			OC	SCO	8.5	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.		16	40	23.8	-	43	22	1	Jun
430	M 13	NGC 6205		GC	HER	5.8	5/12/1988	22:12	TSP	12.5" f/8 Newtonian	Good	Good	47x - Small, roundish glow speckled with stars.		16	41	41.4	+	36	27	36	Jun
431	NGC 6193			OC	ARA	5.2	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
432	NGC 6210			PN	HER	8.8	8/8/2007	23:14	DAS Site	12.5" f/8 Newtonian	Great	Great	134x - Small, round off-white colored glow. W/AV and waiting, see a fat central star in center of glow. O3 and UHC show it nicely also. See central star in O3.		16	44	29.4	+	23	48	0	Jun
433	M 12	NGC 6218		GC	OPH	6.1	9/19/1987	22:04	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Little smaller than M10. Good surface brightness. See many stars of cluster. More diffused than others. Lacks bright nucleus.		16	47	14.4	-	1	56	52	Jun
434	NGC 6208			OC	ARA	7.2	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
435	NGC 6216			OC	SCO	10.1	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

ID #	Target Name	Other Names	Common Name	Type	Con	Vmag	Observed Data							Right Ascension			Declination				Best Month to Observe (10 pm)	
							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d	m		s
436	NGC 6235			GC	OPH	8.9	5/4/2000	5:14	TSP	12.5" f/8 Newtonian	Good	Good	134x - While looking in the finder scope, I saw a faint meteor shoot across the FOV and left a nice smoke trail. There is a field star near it. 19mm-Fairly faint globular. 10.4 mag. It has a relatively brighter nucleus and a dim halo. It is very small. Can't see any member stars in it. It matches the object on the finder card and is about the right magnitude, awful faint and very small.		16	53	25.3	-	22	10	38	Jun
437	NGC 6231	D 499	Northern Jewel Box (False Comet Cluster)	OC	SCO	2.6	5/12/2010	4:16	TSP	12.5" f/8 Newtonian	OK	OK	134x - Small and compact 8 bright blue-white stars, then 20 dimmer and about 10 more of a much dimmer magnitude all mixed up in this cluster. More rectangular than round in shape.		16	54	10.9	-	41	49	27	Jun
438	NGC 6242			OC	SCO	6.4	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 make up this small, compact vertical linear OC.		16	55	33.4	-	39	27	39	Jun
439	IC 4628	Barnard		BN	SCO	unknown	8/17/2014	21:08	Keota, CO	12.5" f/8 Newtonian	Good	Good	169x - With DSF. Under 3 dim stars and then the 2 above is this noticeable glow. Very subtle. Barely there w/o filter but DSF shows it better. Very low above horizon. Lynd Brightness 6. It is brightest under the 3 stars and just above it towards the 2 stars.		16	57	0.0	-	40	20	0	Jun
440	M 10	NGC 6254		GC	OPH	6.6	9/19/1987	22:01	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Dominated FOV. Nucleus fairly bright. See many stars of cluster.		16	57	9.0	-	4	5	58	Jun
441	NGC 6250			OC	ARA	5.9	4/4/2016	1:35	OzSky	18" f/4.5 Newtonian	Good	Good	187x - 12 dim stars of 3 magnitudes form a small teapot shape.		16	57	56.0	-	45	56	12	Jun
442	NGC 6253			OC	ARA	10.2	6/22/2024	13:16 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CerTLog/Bambury600/NGC6253.html">https://mikehotka.com/CerTLog/Bambury600/NGC6253.html</a>	16	59	5.1	-	52	42	32	Jun
443	H 13			OC	ARA	9.0	6/3/2024	10:30 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CerTLog/Bambury600/H13.html">https://mikehotka.com/CerTLog/Bambury600/H13.html</a>	17	1	42.0	-	48	6	0	Jul
444	M 62	NGC 6266		GC	OPH	6.4	9/19/1987	22:14	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very faint. Little glow. Has relatively bright nucleus.		17	1	12.5	-	30	6	44	Jul
445	M 19	NGC 6273		GC	OPH	6.8	9/19/1987	22:07	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Can make out bright nucleus and halo. But very faint.		17	2	37.7	-	26	16	5	Jul
446	NGC 6281			OC	SCO	5.4	5/12/2010	4:13	TSP	12.5" f/8 Newtonian	OK	OK	134x - Bow. Small. 20 blue-white stars form lines in this open cluster. All approx same magnitude. Then there are 10 more of a lesser magnitude mixed in. The lines of stars are cool.		17	4	41.2	-	37	59	7	Jul
447	NGC 6284			GC	OPH	8.9	8/11/2004	23:13	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Small, bright nucleus surrounded by a dim halo. Motting of member stars seen. Class 6. Rather dim overall.		17	4	28.5	-	24	45	49	Jul
448	NGC 6287			GC	OPH	9.3	5/5/2000	5:21	TSP	12.5" f/8 Newtonian	Good	Good	134x - Little brighter than 6235. Circular in nature. Tetrad is pointing to the correct orientation of Theta Ophiuchus and the star above it. It is of uniform brightness, fairly dim across the circular part. w/a.v. can see the speckling of the member stars.		17	5	9.3	-	22	42	29	Jul
449	NGC 6293			GC	OPH	8.3	8/11/2004	23:17	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Small, bright nucleus surrounded by a bit larger halo. Class 4.		17	10	10.3	-	26	34	57	Jul
450	NGC 6302	Bug Nebula		PN	SCO	9.6	7/22/2006	22:36	John Martin	12.5" f/8 Newtonian	OK	OK	134x - Linear shaped planetary. Very bright central region and dims quickly on each side of this brighter region. O3 show nice view. No central star seen. I tried the 9mm EP but its too near horizon and didn't do much for improving the view.		17	13	44.6	-	37	6	12	Jul
451	HR 6406	Rasalgethi (Alpha Herculis)		MS	HER	3.0	6/25/2001	0:58	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Very bright member to the left which is red, and the fainter member to the right which appears to be white. It is dominated by the bright mate and is hard to see the color. I have noticed that if I don't put my eye right on the eyepiece and keep it a bit off, the colors of the stars are easier to see.		17	14	38.9	+	14	23	26	Jul
452	NGC 6304			GC	OPH	8.3	8/12/2004	21:33	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Small, dim, uniformly lit glow. No brighter nucleus seen nor any member stars. Class 2.		17	14	32.5	-	29	27	44	Jul
453	NGC 6309			PN	OPH	11.5	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	38.5	Jul
454	NGC 6316			GC	OPH	8.1	8/9/2002	21:31	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Oval-member stars seen. Faint. Nesclcd btw 2 brighter field stars. Center is brighter and has angular resolution (not starlike). Halo is extended.		17	16	37.3	-	28	8	24	Jul
455	NGC 6318			OC	SCO	11.8	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
456	M 92	NGC 6341		GC	HER	6.5	6/28/1987	1:40	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small but bright globular. Can make out many member stars. Can look down to bright nucleus.		17	17	7.5	+	43	8	11	Jul
457	NGC 6322			OC	SCO	6.0	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
458	M 9	NGC 6333		GC	OPH	7.8	9/19/1987	22:19	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Brighter than M19 and M62, but not by much. Can see bright nucleus and dim halo glow. No stars through.		17	19	11.7	-	18	30	59	Jul
459	NGC 6334	Cats Paw Nebula		BN	SCO	unknown	4/5/2016	0:50	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A nice, round, dim, circular nebula glow around a brighter field star.		17	20	49.7	-	35	6	10	Jul
460	NGC 6337	Diamond Ring		PN	SCO	12.3	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
461	HR 6484	HD157778	Rho Herculis	MS	HER	5.4	12/5/2023	17:50	LTO	18" f/14.2 Cassegrain	Good	Good	177x - A very close double star.		17	23	40.7	+	37	8	49	Jul
462	NGC 6356			GC	OPH	8.2	8/9/2002	21:46	WUTS	12.5" f/8 Newtonian	Good	Good	134x - w/AV, its fairly large. Brighter nucleus with diffused halo. See motting of stars on nucleus.		17	23	34.9	-	17	4	47	Jul
463	IC 4651			OC	ARA	6.9	5/12/2010	3:55	TSP	12.5" f/8 Newtonian	Good	Good	134x - A compact open cluster. Fills center of FOV nicely. Roughly round with 50+ stars of approx 3 magnitudes.		17	24	42.0	-	49	57	0	Jul

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d		m	s
464	NGC 6357	h 3682		BN	SCO	Unknown	9/6/2013	21:21	John Martin	12.5" f/8 Newtonian	Good	OK	134x - A very diffused nebula. Has 3 stars with brightest glows near stars. It is in 2 parts. Left part is a long slender glow, with brighter part near 2 stars and very faint slender tails above and below. Then to right around a single star is a circular glow. UHC show it nice with 15mm and direct vision for the brighter parts and averted vision for the very dim tails. Lynd brightness for brighter part is 3 and tails is 5.		17	24	43.5	-	34	12	5	Jul
465	NGC 6352			GC	ARA	7.8	4/4/2016	1:47	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A medium sized, dim, circular globular. Has bare brighter core that dims quickly. Member stars seen with many bright field stars to upper left and on glow of globular.		17	25	29.1	-	48	25	22	Jul
466	NGC 6369			PN	OPH	11.4	6/29/2008	23:37	Raymer, CO	12.5" f/8 Newtonian	Good	Good	134x - Small, dim round glow. w/AV see a donut shape like M57. No central star seen. Responds well to OIII and UHC filters. 9mm didn't show it any better.		17	29	20.4	-	23	45	35	Jul
467	NGC 6362	D 225		GC	ARA	8.1	4/3/2016	1:32	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A larger, dim globular, pretty uniformly lit. See tons of member stars. A vertical chain of brighter member stars on center of globular. Nice.		17	31	54.7	-	67	2	53	Jul
468	NGC 6388	D 457		GC	SCO	6.8	4/4/2016	1:52	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A medium sized, bright globular. Bright core dims slowly to edge. Glow speckled but no member stars seen.		17	36	16.9	-	44	44	5	Jul
469	M 14	NGC 6402		GC	OPH	7.6	9/19/1987	22:24	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Fairly large but uniformly dim globular. No bright nucleus. Could see some stars but they were dim.		17	37	36.1	-	3	14	46	Jul
470	M 6	NGC 6405	Butterfly Cluster	OC	SCO	4.2	6/28/1987	0:05	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Open cluster. Filled FOV. Faint set of stars. One star more yellow and brighter than rest which may be a foreground star. 10 stars about the same brightness. Rest much fainter.		17	40	20.7	-	32	15	15	Jul
471	NGC 6397	D 366		GC	ARA	5.3	4/5/2016	3:20	OzSky	18" f/4.5 Newtonian	OK	OK	187x - A nice, large globular. Has small, compact core with lots of stars in halo. Fills FOV. Lots of member stars seen.		17	40	41.2	-	53	40	25	Jul
472	HD 160435		V Pavo	CS	PAV	6.7	6/21/2024	10:15 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLog/Bambury600/VPav.html">https://mikehotka.com/CertLog/Bambury600/VPav.html</a>	17	43	18.9	-	57	43	26	Jul
473	NGC 6416			OC	SCO	5.7	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
474	IC 4665			OC	OPH	4.2	8/8/2007	22:59	DAS Site	12.5" f/8 Newtonian	Great	Great	79x - Saw in finder scope. Nice. 12 bright blue-white stars in a loose association with 7 more of a dimmer magnitude and a few yet much fainter sitting underneath all of these. Class II.3.p.		17	46	18.0	+	5	43	0	Jul
475	NGC 6440			GC	SGR	9.3	8/16/2001	21:45	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Very faint globular. Faint. Easy to see. w/AV, has a bright star like nucleus that fades out into an extended dim halo. In between two faint stars. 1/3 of distance closer to the star on the left. It is still small in FOV.		17	48	52.5	-	20	21	34	Jul
476	NGC 6445			PN	SGR	11.2	6/29/2008	23:55	Raymer, CO	12.5" f/8 Newtonian	Good	Good	134x - Large, circular, uniformly lit glow. No central star seen. OIII gives a great view. It appears textured with OIII. UHC not as good of a response. 9mm doesn't add anything. Very faint field star just outside halo glow and at 8 o'clock.		17	49	15.0	-	20	0	34	Jul
477	NGC 6441	D 557		GC	SCO	7.2	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
478	NGC 6453			GC	SCO	10.2	4/7/2016	4:12	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A small, dim globular. Has bare brighter core. Speckling.		17	50	61.6	-	34	35	55	Jul
479	M 7	NGC 6475	Ptolemy's Cluster	OC	SCO	3.3	6/27/1987	23:50	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Large open cluster. Fills FOV. 15-30 members of same blue-white stars. No colored stars. Must be young. Very nice.		17	53	51.1	-	34	47	34	Jul
480	GL 699	HIP 87937	Barnard's Star	Star	OPH	9.6	9/23/2022	20:16	DAS Site	8" f/6 Newtonian	Good	Good	64x - A dim red, with a hint of red.		17	57	47.9	+	4	43	15	Jul
481	M 23	NGC 6494		OC	SGR	5.5	9/19/1987	22:29	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Has several bright members. Fills FOV.		17	57	4.7	-	18	59	7	Jul
482	HR 6693	h 5003		MS	SGR	5.0	7/28/2024	21:34	DAS Site	8" f/6 Newtonian	Good	Good	122x - A star is orange and dim. B star is very close and much dimmer. 203x - Easier to split. B star might be yellow or orange in color.		17	59	5.3	-	30	15	11	Jul
483	NGC 6496			GC	CRA	8.6	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
484	HN 40		Trifid Nebula Cluster	MS	SAG	7.0	7/8/2024	22:47	DAS Site	8" f/6 Newtonian	Good	Good	203x - 2 brighter and a few dimmer stars of 2 magnitudes are on the nebula glow of M20.		18	2	36.0	-	23	2	0	Jul
485	M 20	NGC 6514	Trifid Nebula	BN	SGR	6.3	9/6/2013	22:06	John Martin	12.5" f/8 Newtonian	Very Good	Very Good	134x - 1 brighter and 6-8 dimmer stars on this round glow. Bisected by dust lanes and it is uneven in brightness. One of my favorites. 15mm shows it nicely with UHC filter. Seen with direct vision. Lynd brightness 2.		18	2	20.9	-	23	1	38	Jul
486	NGC 6520	Barnard 86	Ink Spot	DN	SGR	7.6	8/8/2007	22:31	DAS Site	12.5" f/8 Newtonian	Great	Great	134x - A tight grouping of approx 20 stars, but easy to see stars forms a heart shape. 2 brighter stars on top of it and left of center of heart. I don't think these are part of it. A brighter field stars in same FOV and to the left of this cluster. Class I.1.p. Nice.		18	3	25.1	-	27	53	28	Jul
487	NGC 6522	h 3720	Baade's Window	GC	SGR	9.9	8/16/2001	22:45	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Very easy to see. Very faint field star next to it that might be a member star. Very bright, almost star-like nucleus that dims out evenly into the halo. Hard to see any member stars though.		18	3	35.1	-	30	2	6	Jul
488	Barnard 87	LDN 1771	The Parrot's Head	DN	SGR		7/28/2024	21:54	DAS Site	8" f/6 Newtonian	Good	Good	81x - There are a line of stars to upper left edge of FOV and a tight asterism at lower right edge of FOV. In between is a lack of stars in a star rich area of Milky Way. Almost fills entire FOV. See 10-15 very faint stars sprinkled on this void.		18	4	18.0	-	32	40	0	Jul
489	M 21	NGC 6531		OC	SAG	5.9	9/19/1987	22:37	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - It is a little cluster.		18	4	13.4	-	22	29	24	Jul
490	M 8	NGC 6533	Lagoon Nebula	BN	SGR	5.0	9/19/1987	22:38	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Fairly faint. Linear and flat. Stretches across FOV. Could see M21, M21 & M8 in 6x50 finder scope.		18	4	4.0	-	24	23	49	Jul
491	NGC 6528			GC	SGR	9.6	8/16/2001	22:50	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Barely moved the scope. Both are in the same FOV of 19mm. Much dimmer than 6522. Uniform brightness.		18	4	49.6	-	30	3	21	Jul

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d	m		s
492	NGC 6530			OC	SAG	4.6	8/8/2007	22:39	DAS Site	12.5" f/8 Newtonian	Great	Great	134x - Approx 30 stars to lower right, but next to nebulosity of M8, the Lagoon Nebula. I've seen these stars before and didn't know it wasn't part of M8 complex. Very bright, blue-white stars of approx 3 magnitudes. Class I.1.p.		18	4	31.0	-	24	21	29	Jul
493	HR 6752	ADS 11046	70 Ophiuchus	MS	OPH	4.1	9/23/2022	20:37	DAS Site	8" f/6 Newtonian	Good	Good	64x - A brighter white star.		18	5	27.4	+	2	29	51	Jul
494	NGC 6537		Red Spider Nebula	PN	SAG	11.6	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
495	NGC 6544			GC	SGR	7.5	8/16/2001	23:09	WUTS	12.5" f/8 Newtonian	Good	Good	134x Cool globular. In star rich field. 19mm-wAV, can see member stars. Dim, circular yet mottled with member stars.		18	7	20.5	-	24	59	51	Jul
496	PK 342-14.1		Shapley 3	PN	ARA	11.9	4/5/2016	1:58	OzSky	18" f/4.5 Newtonian	OK	OK	187x - Without O3 see a brighter star surrounded by a tiny bit of halo. With O3 central star disappears. Has very small halo glow, uniformly lit.		18	7	15.8	-	51	1	10	Jul
497	NGC 6541	D 473		GC	CRA	6.3	5/12/2010	3:55	TSP	12.5" f/8 Newtonian	Good	Good	134x - Nice. Small. Bright. Tucked behind 2-3 brighter field stars. Bright core that dims quickly into halo. Lots of member stars seen.		18	8	2.0	-	43	42	57	Jul
498	NGC 6553			GC	SGR	8.3	8/16/2001	23:20	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Faint, uniformly lit. Circular. cannot see any member stars. Can see field star to the left that is easy to see. No nucleus seen.		18	9	18.0	-	25	54	28	Jul
499	NGC 6563	D 606		PN	SGR	11.0	7/22/2006	22:52	John Martin	12.5" f/8 Newtonian	OK	OK	134x - Brighter. Nice small oval. Easy to see w/o O3 but O3 really makes it easy to see. No central star seen. With O3 shows it pretty uniformly lit.		18	12	2.6	-	33	52	7	Jul
500	NGC 6572			PN	OPH	8.1	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
501	NGC 6567			PN	SGR	11.0	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
502	NGC 6569			GC	SGR	8.4	8/16/2001	23:26	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Dim glow. May be a hair brighter in the center than the halo. Circular. Small. w/AV something (little stars) keeps popping inside the halo disk but am not sure.		18	13	38.6	-	31	49	35	Jul
503	NGC 6590			BN	SGR	7.0	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
503	NGC 6590			BN	SGR	7.0	9/27/2024	21:18	Okie-Tex SP	8" f/6 Newtonian	Good	Good	122x - 3 dim stars of same magnitude surrounded by dim halo glow.		18	17	5.0	-	19	51	58	Jul
504	IC 4703		Starqueen Nebula in M16	BN	SER	unknown	9/19/1987	22:54	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Nebula very faint.		18	18	54.0	-	13	47	0	Jul
505	M 16	NGC 6611	Eagle Nebula	OC	SER	6.0	9/19/1987	22:54	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Faint gas cloud mixed with 55 prominent compact cluster of stars. Nebula very faint.		18	18	48.1	-	13	48	26	Jul
506	NGC 6584			GC	TEL	7.9	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
507	NGC 6603			OC	SGR	11.1	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
508	NGC 6604			OC	SER	6.5	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 rts of arc might also be part of it. Class III.3.p.		18	18	3.0	-	12	14	35	Jul
509	M 18	NGC 6613		OC	SGR	6.9	9/19/1987	22:55	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very small cluster of 12 stars. Finder scope showed fuzziness but in FOV was hard to tell this was a cluster.		18	19	58.4	-	17	6	7	Jul
510	M 17	NGC 6618	Swan or Omega Nebula	BN	SGR	6.0	9/19/1987	22:56	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Bright bar of gas extends half way across FOV. Has nebulosity streaming off to one side.		18	20	47.1	-	16	10	18	Jul
511	NGC 6624	D h 3742		GC	SGR	7.6	8/16/2001	23:35	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Very bright. Nucleus is a lot brighter than an extended halo. Circular in shape. Cannot see member stars w/ AV.		18	23	40.6	-	30	21	39	Jul
512	M 28	NGC 6626		GC	SGR	6.9	9/19/1987	23:12	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Small, fairly bright nucleus but overall dim.		18	24	32.8	-	24	52	12	Jul
513	M 24	IC 4715	Sagittarius Star Cloud	OC	SGR	4.6	9/19/1987	23:00	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - bvery large galactic cluster. Best seen in 8x50 finder scope. Overwhelms FOV in scope.		18	26	12.0	-	18	26	0	Jul
514	NGC 6633			OC	OPH	4.6	6/24/2001	0:22	LTO	18" f/14.2 Cassegrain	Good	Good	162x - A very open cluster that overwhelms the FOV of this 40 mm eyepiece. Very bright, blue stars. All over this area of similar magnitude.		18	27	15.0	+	6	30	30	Jul
515	NGC 6638			GC	SGR	9.2	8/8/2002	23:11	WUTS	12.5" f/8 Newtonian	Great	Great	134x - Circular-Uniformly lit. w/AV see mottling but no member stars. Tailrad is in the right part of the top of the hotspot. With a 2nd, longer look, can see some members stars in the halo at the edge of the cluster.		18	30	56.0	-	25	29	47	Jul
516	M 25	IC 4725		OC	SGR	4.6	9/19/1987	23:03	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Small and fills FOV.		18	31	36.0	-	19	15	0	Jul
517	M 69	NGC 6637		GC	SGR	7.6	9/19/1987	23:22	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very low in southwest. Very dim patch of light. Hard to tell this is a globular.		18	31	23.2	-	32	20	53	Jul
518	NGC 6642			GC	SGR	8.9	8/8/2002	22:40	WUTS	12.5" f/8 Newtonian	Great	Great	134x - A small, circular, uniformly lit object. Can see member stars w/AV.		18	31	54.0	-	23	28	35	Jul
519	NGC 6652			GC	SGR	8.5	9/2/2005	20:38	Keota, CO	12.5" f/8 Newtonian	Good	Good	134x - Small, dim circular globular where 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
520	M 22	NGC 6656		GC	SGR	5.2	9/19/1987	23:06	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Fairly large globular with uniform surface brightness. Can see a lot of the stars. It fills the FOV.		18	36	24.1	-	23	54	12	Jul
521	IC 4756			OC	SER	4.6	5/6/2005	1:54	TSP	12.5" f/8 Newtonian	Fair	Fair	134x - A very dim oval glow with hint of bare brighter core.		18	39	0.0	+	5	27	0	Jul
522	M 70	NGC 6681		GC	SGR	7.8	9/19/1987	23:23	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Little brighter than M69. But dim overall and very small.		18	43	12.5	-	32	17	31	Jul
523	HR 7051		Epsilon Lyrae	MS	LYR	4.7	6/25/2001	1:24	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Really cool. All 4 are hot little blue-white stars. The top two have a vertical arrangement and the bottom two have a horizontal arrangement in the FIOV. Both sets are very close, but they are easy to see all 4 stars. SO COOL!!!		18	44	20.4	+	39	40	13	Jul
524	HR 7056		Zeta Lyrae	MS	LYR	4.4	6/25/2001	1:26	LTO	18" f/14.2 Cassegrain	Good	Good	162x - 2 blue-white stars. Star on the top is substantially brighter than the star on the bottom.		18	44	46.4	+	37	36	19	Jul
525	M 26	NGC 6694		OC	SCT	8.0	9/19/1987	23:28	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very small. 3 brighter stars. 10 fainter stars. Finder scope showed fuzziness.		18	45	18.6	-	9	23	1	Jul
526	HR 7089	HD174325	S Scutum	CS	SCT	6.7	6/15/2023	22:38	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A dim, deep red. B a bit away, extremely faint. Barely there but see it.		18	50	20.0	-	7	54	27	Jul

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)			d	m		s	
															hr	min	sec					
527	M 11	NGC 6705	Wild Duck Cluster	OC	SCT	5.8	9/19/1987	23:30	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Very faint, compact cluster. 3 bright field stars in from of approx. 200 uniformly dim stars of the cluster. Very fine.		18	51	5.9	-	6	16	12	Jul
528	M 57	NGC 6720	Ring Nebula	PN	LVR	8.8	6/28/1987	0:30	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Impressive. Pointed Telrad right on it. A small, easy to see ring.		18	53	35.1	+	33	1	44	Jul
529	NGC 6712			GC	SCT	8.1	8/17/2001	0:15	WUTS	12.5" f/8 Newtonian	Good	Good	134x - Easy to see. Large in the 19mm. w/AV can see member stars popping out all over the place. In a star rich field.		18	53	4.0	-	8	42	22	Jul
530	M 54	NGC 6715		GC	SGR	7.7	9/19/1987	23:24	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - A small globular with bright little nucleus. No stars seen.		18	55	3.3	-	30	28	42	Jul
531	HR 7141	ADS 11853	Theta Serpentis	MS	SER	4.0	6/25/2001	1:37	LTO	18" f/14.2 Cassegrain	Good	Good	162x - 2 white or light yellow, evenly bright, well spaced stars.		18	56	13.2	+	4	12	13	Jul
532	NGC 6723	D 573		GC	SGR	6.8	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
533	NGC 6726			BN	CRA	unknown	5/6/2005	3:25	TSP	12.5" f/8 Newtonian	Good	Good	134x - Small, dim, uniformly lit glow just above the background sky glow.		19	1	39.0	-	36	53	27	Aug
534	NGC 6729		R Coronae Australis Nebula	BN	CRA	9.7	7/22/2009	23:22	Keota, CO	12.5" f/8 Newtonian	Good	Great	134x - Nice, large area of nebulosity that reveals itself around 4-6 bright field stars in area. Then there is a tiny patch of glowing nebulosity above some double field stars that stands out by itself. Nice.		19	1	54.1	-	36	57	12	Aug
535	Barnes 157	DC 359.7-018.2		DN	CRA		7/28/2024	22:09	DAS Site	8" f/6 Newtonian	Good	Good	203x - A dim white star has a bit of a circular, extremely faint glow around it. Barely there. This is very low in the southeast.		19	3	6.9	-	37	16	35	Aug
535	Barnes 157	DC 359.7-018.2		DN	CRA		9/27/2024	21:28	Okie-Tex SP	8" f/6 Newtonian	Good	Good	122x - A dim star has a tiny halo glow around it. All stars in this area have halo glows around them.		19	3	6.9	-	37	16	35	Aug
536	HR 7220	HD177336	V Aquila	CS	AOL	7.5	6/15/2023	22:41	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A dim, deep red. B not seen.		19	4	24.2	-	5	41	6	Aug
537	NGC 6751			PN	AOL	11.9	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 shows it nicely. Almost circular but a bit oval on a 1 - 7 o'clock line. Uniformly lit. Maybe see central star once in a while. 2 very faint field stars near it to 3 and 8 o'clock side.		19	5	55.5	-	5	59	32	Aug
538	HR 7226		Gamma Corona Australis	MS	CRA	4.2	7/28/2024	22:12	DAS Site	8" f/6 Newtonian	Good	Good	203x - A bright, yellowish star.		19	6	25.3	-	37	3	51	Aug
538	HR 7226		Gamma Corona Australis	MS	CRA	4.2	9/27/2024	21:31	Okie-Tex SP	8" f/6 Newtonian	Good	Good	64x - A brighter yellow star with a bit of halo glow around it.		19	6	25.3	-	37	3	51	Aug
539	NGC 6744	D 262		Gal	PAV	8.8	4/6/2016	0:06	OzSky	18" f/4.5 Newtonian	Very Good	Very Good	187x - A small, dim globular. Has member stars seen.		19	9	46.1	-	63	51	25	Aug
540	NGC 6752	D 295	Pavo Globular (The Starfish)	GC	PAV	5.3	4/7/2016	4:14	OzSky	18" f/4.5 Newtonian	Good	Good	187x - A large, bright, dense core with lines of stars radially from core. Lots of member stars seen.		19	10	51.7	-	59	58	55	Aug
541	M 56	NGC 6779		GC	LVR	8.4	6/28/1987	0:45	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small, very faint globular. Could not see members. Embedded in a star rich field of Milky Way.		19	16	35.4	+	30	11	5	Aug
542	NGC 6769			Gal	PAV	11.9	4/6/2016	1:54	OzSky	18" f/4.5 Newtonian	Poor	Poor	187x - N6769 is a small, round, dim glow with larger, bright core that dims quickly.		19	18	23.1	-	60	30	5	Aug
543	NGC 6781			PN	AOL	11.4	8/14/1988	0:02	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very dim, uniformly lit, but easy to see. Used 10mm eyepiece and tried AV to find 15th magnitude central star. Couldn't see it.		19	18	28.3	+	6	32	23	Aug
544	NGC 6791		Levy's False Comet	OC	LVR	9.5	9/12/2007	22:54	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - 5-6 brighter stars at top edge of a glow that is pretty circular. Can tell there are stars in the glow. 9mm shows the very faint stars now. Many seen. Also, a motting of the glow is seen of much fainter unseen stars. Very faint overall. But you can see its boundary because has nice contrast against background sky. Class I.1.m.		19	20	53.0	+	37	46	19	Aug
545	Dunlop 226		Beta Sagittari	MS	SGR	4.0	7/28/2024	22:20	DAS Site	8" f/6 Newtonian	Good	Good	203x - A dim, white star. Near it and close is a much dimmer white star. Very low in southeast, just above the horizon.		19	22	38.3	-	44	27	32	Aug
545	Dunlop 226		Beta Sagittari	MS	SGR	4.0	9/27/2024	21:34	Okie-Tex SP	8" f/6 Newtonian	Good	Good	64x - A double star. A is brighter, white. B is close, dimmer and bluish.		19	22	38.3	-	44	27	32	Aug
546	Cr 399			OC	VUL	4.8	8/23/2003	2:23	Keota, CO	12.5" f/8 Newtonian	OK	OK	134x - Approx 10 stars of same magnitude, 6 of which form a line on NE almost equidistant. Except NW 2 and 4-6 more in the area are a bit dimmer.		19	25	24.0	+	20	11	0	Aug
547	HR 7417		Albireo (Beta Cygni)	MS	CYG	3.1	6/25/2001	1:40	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Alberio, one of my favorites. Easy to see. The bottom star is a much brighter, red star and the top star is a blue-white. The red star is two times as bright as the one on the top.		19	30	43.3	+	27	57	35	Aug
548	HR 7463		Epsilon Sagittae	MS	SGE	5.7	6/15/2023	22:44	LTO	18" f/14.2 Cassegrain	Good	Good	170x - A dim, yellow. B a bit away, dimmer, yet orangish in color.		19	37	17.4	+	16	27	46	Aug
549	HR 7475	HN 84		MS	SGE	6.4	8/23/2011	22:23	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Right star is a yellow colored star and is very much brighter than the very faint blue-white star.		19	39	25.3	+	16	34	16	Aug
550	M 55	NGC 6809		GC	SGR	6.3	9/19/1987	23:34	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very large, dim globular. Can see many of the stars. Uniform brightness. Fills half the FOV. Fairly round. See many of the stars but no bright nucleus.		19	39	59.3	-	30	57	44	Aug
551	NGC 6818		Little Gem	PN	SGR	9.3	7/22/2001	2:05	DAS Site	12.5" f/8 Newtonian	Good	Good	79x - Very faint PL. I found it because it was a out of focus star that I couldn't focus on. 32mm, and OIII it stands right out. It is small, oval in shape with uniform brightness. 19mm makes it bigger and easier to see. It is sitting inside a triangle of 3 very faint stars. Definitely oval in shape with a hint of a blue-green color. Studying this object, there is a hint of a ring structure present. The sky get steady and the ring structure appear, but most of the time it is uniformly lit.		19	43	57.8	-	14	9	11	Aug
552	NGC 6822		Barnard's Galaxy	Gal	SGR	9.9	9/26/2019	22:23	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A large, very faint, tall fat oval. Uniformly lit. Moves with FOV and eye follows it.		19	44	56.3	-	14	48	37	Aug
553	Dunlop 227	HR7548		MS	TEL	5.8	6/22/2024	13:21 UT	SSO	20" f/6.8 Cassegrain			30 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/HR7548.html">https://mikehotka.com/CertLogs/Bambury600/HR7548.html</a>	19	52	37.7	-	54	58	16	Aug
554	M 71	NGC 6838		GC	SGE	8.4	6/28/1987	2:15	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very small globular. Embedded in a star rich field. Low surface brightness. Could make out members stars.		19	53	46.1	+	18	46	42	Aug
555	M 27	NGC 6853	Dumbbell Nebula	PN	VUL	7.4	9/19/1987	23:42	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very bright nebula. Large. Looks like pictures. Can see faint nebulosity that makes it look oval in nature (elongated).		19	59	36.3	+	22	43	16	Aug

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															hr	min	sec	dec	d	m		s
556	NGC 6857			BN	CYG	11.4	9/19/2006	23:57	Crow Valley	12.5" f/8 Newtonian	Good	Good	134x - A faint, yet easy to see triangular (fan shaped) patch of light. Wider on bottom. Better seen with UHC filter. 9mm eyepiece does not show it any better. Can see it without filter, but barely as a smudge of light. 3 faint field stars border this glow on west (hs). Brightest of these field stars is near the point of the fan.		20	1	48.0	+	33	31	33	Aug
557	M 75	NGC 6864		GC	SGR	8.6	9/19/1987	23:53	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very small, bright globular. See bright nucleus with dim halo. No stars.		20	6	4.7	-	21	55	17	Aug
558	NGC 6885			OC	VUL	8.1	7/22/2001	3:39	DAS Site	12.5" f/8 Newtonian	Good	Good	79x - A pretty bright OC. 32mm, centered around a bright star that is on the northern side of the cluster. Fairly circular in shape. About 12-15 stars of same, blue-white color and mag. The star on the N side is about 3x brighter than the members stars of the cluster.		20	11	55.8	+	26	29	20	Aug
559	NGC 6888		Crescent Nebula	BN	CYG	10.0	9/7/2013	0:11	John Martin	12.5" f/8 Newtonian	Good	Good	134x - Around the 3 brighter and 1 fainter field stars is a nice, dim, small halo glow seen with 15mm eyepiece and UHC filter. The stars form a large arc. The glow is brightest around the stars then in between them you can trace out a hint of an arc of connecting glow. This is very faint. The brighter areas is Lynd brightness 3 and the connecting arc glow is 5.		20	12	6.4	+	38	21	18	Aug
560	NGC 6891			PN	DEL	10.5	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
561	NGC 6876			Gal	PAV	11.2	4/6/2016	2:35	OzSky	18" f/4.5 Newtonian	Poor	Poor	187x - A small tilted oval. Very dim. Has hare brighter, small core.		20	18	18.9	-	70	51	31	Aug
562	NGC 6905			PN	DEL	11.1	7/31/2008	2:09	WUTS	12.5" f/8 Newtonian	Great	Great	134x - Small, dim, round uniformly lit glow. No central star seen. Sits between 2 field stars, its one brighter than the one. 9mm shows it the same, but bigger. Responds well to O3 and UHC filters.		20	22	23.0	+	20	6	16	Aug
563	NGC 6934			GC	DEL	8.9	10/5/1999	23:45	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	79x - Very small-see granularity on circle shaped object-no member stars stand out-its obvious in the FOV yet small.		20	34	12.0	+	7	24	16	Aug
564	HR 7947		Gamma Delphinus	MS	DEL	5.1	12/3/2001	18:25	LTO	18" f/14.2 Cassegrain	Good	Good	162x - The yellow star on the right is 2x as bright as the blue-white star on the left. These are pretty close together.		20	46	38.9	+	16	7	25	Aug
565	M72	NGC 6981		GC	AQR	9.2	11/21/1987	19:20	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Small, faint, uniform brightness halo globular. No stars seen.		20	53	28.0	-	12	32	13	Aug
566	NGC 6992		Veil Nebula	SR	CYG	7.0	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
567	NGC 7000		North American Nebula	BN	CYG	4.0	7/3/2013	22:50	DAS Site	8" f/6 Newtonian	Good	Good	47x with UHC filter - Seen easily. 2 FOVs long. Left FOV shows the "Mexico" and "Gulf" of the nebula. Right FOV is very dim and subtle and fills entire FOV with nebula glow with lots of stars on glow.		20	58	50.0	+	44	12	0	Aug
568	NGC 7006			GC	DEL	10.6	7/22/2001	3:53	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - A very dim globular cluster that is easy to spot. 19mm w/AV, can see that the nucleus is a bit brighter than the halo. But if you look directly at it, it appears to be uniformly lit. Tried to let it drift thru FOV several times to see if I could spot a member stars. Couldn't see any though.		21	1	29.3	+	16	11	16	Sep
569	NGC 7009		Saturn Nebula	PN	AQR	8.0	8/23/2006	22:46	DAS Site	12.5" f/8 Newtonian	Good	Good	134x - Nice. Bright. Small. Greenish in color. Flattened oval shape. Nice with and without OIII and UHC filters. Central star maybe seen sometimes. 9mm no better view, in fact, with wind and bouncing scope, its really hard to see at this power.		21	4	10.7	-	11	21	49	Sep
570	NGC 7026			PN	CYG	10.9	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
571	NGC 7027			PN	CYG	8.5	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
572	HR 8140		Theta Indi	MS	IND	4.4	7/21/2024	15:33 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/ThetaIndi.html">https://mikehotka.com/CertLogs/Bambury600/ThetaIndi.html</a>	21	19	52.1	-	53	26	59	Sep
573	HR 8145	HD202874	T Indus	CS	IND	6.1	8/2/2024	8:59 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/TInd.html">https://mikehotka.com/CertLogs/Bambury600/TInd.html</a>	21	20	9.5	-	45	1	19	Sep
574	HR 8145	HD202874	T Indus	CS	IND	6.1	9/27/2024	21:47	Okie-Tex SP	8" f/6 Newtonian	Good	Good	64x - A dim red star.		21	20	9.5	-	45	1	19	Sep
574	HR 8156	HD203133	Y Pavo	CS	PAV	6.4	7/21/2024	15:38 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/YPav.html">https://mikehotka.com/CertLogs/Bambury600/YPav.html</a>	21	24	16.8	-	69	44	2	Sep
575	M 15	NGC 7078		GC	PEG	6.3	11/29/1986	18:55	TAS Site	12.5" f/8 Newtonian	Good	Good	127x - Very bright nucleus. Stars faint with w/AV can see Globular Cluster covers a large area of FOV.		21	29	58.4	+	12	10	0	Sep
576	M 2	NGC 7089		GC	AQR	6.6	9/20/1987	0:29	TAS Site	12.5" f/8 Newtonian	Good	Good	64x - Fairly bright nucleus and diffused halo. Could see many stars of the cluster.		21	33	29.3	-	0	49	23	Sep
577	M 30	NGC 7099		GC	CAP	6.9	11/21/1987	19:05	TAS Site	12.5" f/8 Newtonian	Good	Good	79x - Faint glow that is small and tight, with a relatively bright nucleus. Halo of stars seen. Appears to have field stars in it.		21	40	21.9	-	23	10	45	Sep
578	IC 5148	also IC 5150		PN	GRU	11.0	9/24/2016	22:39	Okie-Tex SP	12.5" f/8 Newtonian	Fair	Fair	195x - A small, round, bright bluish colored halo glow. Can see central star in center of halo glow. With O3 and without filter can see central star. Very low above mesa in south.		21	59	35.1	-	39	23	8	Sep
579	Hickson 90		Klemora 4	Gal Cl	PSA	10.1	10/17/2009	20:59	Keota, CO	12.5" f/8 Newtonian	Great	Good	134x - Hickson 90 - 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.		22	2	5.6	-	31	58	1	Sep
580	IC 5152			Gal	IND	10.5	7/6/2024	15:03 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/IC5152.html">https://mikehotka.com/CertLogs/Bambury600/IC5152.html</a>	22	2	54.0	-	51	17	0	Sep
581	IC 5201	ESO 289-G018		Gal	GRU	10.8	7/6/2024	15:08 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/IC5201.html">https://mikehotka.com/CertLogs/Bambury600/IC5201.html</a>	22	21	24.0	-	46	4	0	Sep
582	HR 8521	HD212087	pi-1 Gru	MS	GRU	6.0	8/24/2013	1:09	DAS Site	8" f/6 Newtonian	Good	Good	121x - A nice, bright, orange star.		22	22	44.2	-	45	56	53	Sep

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							Date	Time	Location	Equipment	Seeing	Transparency	Description	Link to image	(J2000)							
															hr	min	sec	dec	d		m	s
583	HR 8558		Zeta Aquarii	MS	AQR	3.6	12/3/2001	21:26	LTO	18" f/14.2 Cassegrain	Good	Good	162x - Very hard to see. Very close. Its on the horizon and is boiling a bit. Can see two blue stars of about the same magnitude. Most of the time it is an elongated oval, but then the seeing steadies and you can see two eyes together.		22	28	50.0	-	0	1	12	Sep
584	NGC 7293		Helix Nebula	PN	AQR	7.3	8/24/2006	0:41	DAS Site	12.5" f/8 Newtonian	OK	OK	134x - Large, dim, circular glow that's a bit splotchy (not uniformly lit). Several field stars sit on glow. 3-5 with one almost in the middle. Can see w/o OIII but OIII gives a very nice view of unevenness of glow. UHC gives a nice view also.		22	29	38.4	-	20	50	13	Sep
585	Dunlop 240	HR8576	Beta Piscis Austrini	MS	PSA	4.3	12/5/2023	19:47	LTO	18" f/14.2 Cassegrain	Good	Good	171x - A yellowish.		22	31	30.4	-	32	20	46	Sep
586	NGC 7320		Stephan's Quintet of Galaxies	Gal	PEG	13.1	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
587	NGC 7331			Gal	PEG	9.7	9/27/2019	22:35	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	195x - Nice.		22	37	4.5	+	34	25	1	Sep
588	NGC 7410			Gal	GRU	10.6	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
589	IC 1459			Gal	GRU	10.0	9/28/2016	23:08	Okie-Tex SP	12.5" f/8 Newtonian	OK	OK	195x - A medium sized fat oval. Uniformly lit. Dim		22	57	10.4	-	36	27	45	Sep
590	NGC 7424			Gal	GRU	10.4	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
591	NGC 7456			Gal	GRU	11.7	9/27/2019	1:28	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A very long, fat cigar shape, extremely faint, uniformly lit glow.		23	2	10.2	-	39	34	11	Oct
592	NGC 7479			Gal	PEG	11.0	10/9/1999	21:14	Okie-Tex SP	12.5" f/8 Newtonian	Good	Good	79x - See faint, sliver of light (barred spiral), w/AV can see this sliver (bar) that is brighter than the extended halo and goes right thru the middle. Identified position wrt trapezium below alpha Peg and this is half way between these objects.		23	4	56.4	+	12	19	0	Oct
593	NGC 7552			Gal	GRU	10.7	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
594	NGC 7582		Grus Quartet of galaxies	Gal	GRU	10.6	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
595	NGC 7590			Gal	GRU	11.6	9/26/2019	23:20	Okie-Tex SP	8" f/6 Newtonian	Good	Good	94x - A small, very faint, uniformly lit oval glow.		23	18	54.7	-	42	14	21	Oct
596	NGC 7599			Gal	GRU	11.4	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
597	NGC 7662		Blue Snowball	PN	AND	8.3	11/2/2007	23:42	Raymer, CO	12.5" f/8 Newtonian	OK	OK	134x - Small, round, bright, blue-green colored glow. Central star seen once in a while with AV. OIII shows it nicely.		23	25	53.9	+	42	32	6	Oct
598	IC 5332			Gal	SCU	10.4	7/31/2024	16:20 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/IC5332.html">https://mikehotka.com/CertLogs/Bambury600/IC5332.html</a>	23	34	30.0	-	36	6	0	Oct
599	HR 9004	HD223075	19 Psc, TX Psc	CS	PSC	5.0	7/30/2024	17:50 UT	SSO	20" f/6.8 Cassegrain			1 sec exposure. Luminance, red, green, blue. FOV is 37.2 x 37.2 arcmin	<a href="https://mikehotka.com/CertLogs/Bambury600/19Psc.html">https://mikehotka.com/CertLogs/Bambury600/19Psc.html</a>	23	46	23.5	+	3	29	12	Oct
599	HR 9004	HD223075	19 Psc, TX Psc	CS	PSC	5.0	9/27/2024	22:06	Okie-Tex SP	8" f/6 Newtonian	Good	Good	64x - A brighter red star.		23	46	23.5	+	3	29	12	Oct
600	NGC 7793	D 608		Gal	SCL	9.2	10/27/2008	22:37	DAS Site	12.5" f/8 Newtonian	Great	Great	134x - Large, fat oval or circular shaped uniformly lit glow. Dim, yet easy to see. Maybe a few very faint field stars on glow. It hints they are there.		23	57	49.7	-	32	35	30	Oct

Observing Locations	
Location	Description
DAS Site	Near Deer Trail, CO
TAS Site	Near Atoka, OK
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
Crow Valley	Crow Valley Campground, Briggsdale, CO
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
Sterling SP	North Sterling Reservoir State Park, Sterling, CO
TSP	Texas Star Party, Prude Ranch, TX
SSO	Siding Spring Observatory, NSW, Australia
MDO	McDonald Observatory, Ft. Davis, TX

Abbreviation	Description
AV	Averted Vision
FOV	Field Of View
rhs	Right Hand Side
ls	Left Hand Side