

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | | |
|------|-------------|-------------|-------------------------------|-------|------|------|---------------|----------|-------------|-----------------------|-----------|--------------|--|---|---------|-------------|------|-----|----|-------------------------------|----|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | | Description | (J2000) | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | | m | s |
| 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 | https://mikehotka.com/CertLogs/Bambury600/Kron7.html | 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 rest of 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 | https://mikehotka.com/CertLogs/Bambury600/Cartwheel.html | 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 19mm 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 | https://mikehotka.com/CertLogs/Bambury600/SDG.html | 1 | 0 | 9.4 | - | 33 | 42 | 33 | Nov |
| 21 | NGC 362 | D 62 | | GC | TUC | 6.8 | 4/6/2016 | 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 | https://mikehotka.com/CertLogs/Bambury600/IC1633.html | 1 | 9 | 55.5 | - | 45 | 56 | 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 | https://mikehotka.com/CertLogs/Bambury600/RScI.html | 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 | OCIT | 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 | https://mikehotka.com/CertLogs/Bambury600/NGC2573.html | 1 | 41 | 42.8 | - | 89 | 20 | 4 | Nov |
| 33 | NGC 615 | | | Gal | CET | 11.7 | 1/17/2014 | 21:21 | CSAC | 20" f/5 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 | Alrisccha | Alrisccha (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 |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | |
|------|-------------|-------------|---------------------------|------|-----|------|---------------|----------|-------------|-----------------------|-----------|--------------|--|---|-----------------|-----|-------------|-----|----|----|-------------------------------|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | (J2000) | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | | s |
| 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, hare 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 | | Kaffajikhma (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 | https://mikehotka.com/CertLogs/Bambury600/Acamar.html | 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 | https://mikehotka.com/CertLogs/Bambury600/TWHor.html | 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 sliver 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 lot 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 tilted 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 |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | | Declination | | | | Best Month to Observe (10 pm) |
|------|-----------------|-------------|---------------------------------|------|-----|------------|---------------|----------|-------------|-----------------------|-----------|--------------|---|---|-----------------|-----|------|-------------|----|----|----|-------------------------------|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | (J2000) | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | s | |
| 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 FOV's 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 | https://mikehotka.com/CertLogs/Bambury600/NGC1543.html | 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 | - | 55 | 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 | https://mikehotka.com/CertLogs/Bambury600/HR1475.html | 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 | https://mikehotka.com/CertLogs/Bambury600/ESO_118-31.html | 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 | https://mikehotka.com/CertLogs/Bambury600/RDor.html | 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 | https://mikehotka.com/CertLogs/Bambury600/IotaPic.html | 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 sliver 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 hare 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 | https://mikehotka.com/CertLogs/Bambury600/Kapteyn.html | 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 hare 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 degrees high. | | 5 | 26 | 10.0 | - | 67 | 29 | 51 | Jan |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | | |
|------|-------------|-------------|--|---------|-----|---------|---------------|-------|-------------|-----------------------|-----------|--------------|--|-----------------|---------|-------------|------|-----|----|-------------------------------|----|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | | Description | (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 ½ 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 PN!! | | 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 bew 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 1960 | | 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 | 38 | 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 he not blinking nature. w/o OIII, 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 speckling 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) | | | | | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | s | | | | | |
| 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 | 57.5 | - | 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 FOVs. 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 | https://mikehotka.com/CertLogs/Bambury600/HR2384.html | 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 | | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | |
|------|-------------|-------------|----------------------------------|------|-----|---------|---------------|----------|-------------|-----------------------|-----------|--------------|---|---|-----------------|-----|-------------|-----|----|----|-------------------------------|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | (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 nebosity 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 ¼ 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 | https://mikehotka.com/CertLoos/Bambury600/C2220.html | 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 Muhlif (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 | HYA | 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 bowy 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. Kindof 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 2683 | | | 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 | https://mikehotka.com/CertLogs/Bambury600/NGC2972.html | 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 | https://mikehotka.com/CertLogs/Bambury600/NGC3114.html | 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 | - | 57 | 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 | HD92055 | 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 | https://mikehotka.com/CertLogs/Bambury600/HR4177.html | 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 | https://mikehotka.com/CertLogs/Bambury600/HR4180.html | 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 FOVs 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 Carinae 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 | https://mikehotka.com/CertLogs/Bambury600/NGC3372.html | 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/14.2 Cassegrain | Good | Good | 171x - 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 | Sterling 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 Tarentula | | 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 | https://mikeholka.com/CertLogs/Bambury600/NGC3576.html | 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 | https://mikeholka.com/CertLogs/Bambury600/NGC3603.html | 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 3599 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 | Sterling 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. ¼ to left of lane and ¼ 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 - Cool. 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 | Lamda 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 | https://mikeholka.com/CertLogs/Bambury600/IC2948.html | 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 tilted 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 | 63.6 | - | 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 - 50-60 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. w/AV can see member stars pop in and out. Bright little nucleus and halo dims out a bit. It's a fuzzz 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 Telrad 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 | 8.9 | 4/5/2016 | 1:14 | OzSky | 18" f/4.5 Newtonian | Good | Good | 187x - 18 dim stars in 1, ½ circle arc and 10 in a leading second arc with lots of very faint stars underneath. Nice lines. | | 12 | 24 | 3.3 | - | 58 | 7 | 25 | Apr |
| 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 |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | |
|------|-------------|----------------|---------------------------------|------|-----|------|---------------|----------|-------------|-------------------------------------|-----------|--------------|---|---|-----------------|-----|-------------|-----|----|----|-------------------------------|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | hr | min | (J2000) | | | | | |
| | | | | | | | | | | | | | | | | | sec | dec | d | m | | s |
| 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. | https://mikehotka.com/CertLogs/Bambury600/H5.html | 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 | | 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 looks 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. | https://mikehotka.com/CertLogs/Bambury600/AlphaCru.html | 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 twin 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 | https://mikehotka.com/CertLogs/Bambury600/H6.html | 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 somnitates 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 | HYA | 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 | 6/23/2001 | 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 | | | | | | | Link to Image | Right Ascension | | | Declination | | | | Best Month to Observe (10 pm) | |
|------|-------------|-------------|-----------------------------------|------|-----|------|---------------|----------|-----------|-----------------------|-----------|--------------|---|---|-----------------|-----|------|-------------|----|----|----|-------------------------------|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | (J2000) | | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | s | | |
| 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 | https://mikehotka.com/CertLogs/Bambury600/BetaMus.html | 12 | 46 | 16.7 | - | 68 | 6 | 29 | | Apr |
| 330 | ESB 365 | DIY Crucis | Ruby Crucis | Star | CRU | 9.1 | 4/1/2016 | 22:50 | OzSky | 18" f/4.5 Newtonian | Good | Good | 125x – A nice deep red star to left of Beta Crux and near. | | 12 | 47 | 24.7 | - | 59 | 41 | 41 | | Apr |
| 331 | NGC 4696 | | Part of Galaxy Cluster 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 | https://mikehotka.com/CertLogs/Bambury600/MuCrux.html | 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 uniformly 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 topsided 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 | HYA | 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 | HYA | 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 | 57.5 | - | 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 ¾ 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 | https://mikehotka.com/CertLogs/Bambury600/MCG-7-28-4.html | 13 | 34 | 39.6 | - | 45 | 32 | 27 | | May |
| 362 | M 83 | NGC 5236 | Southern Pinwheel | Gal | HYA | 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) | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | | s |
| 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 | https://mikehotka.com/CertLogs/Bambury600/BetaCen.html | 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 | https://mikehotka.com/CertLogs/Bambury600/ESO-97-13.html | 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, 1/5 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 | https://mikehotka.com/CertLogs/Bambury600/He-2-111.html | 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, bow 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 sim 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 | https://mikehotka.com/CertLogs/Bambury600/AlphaCir.html | 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 | https://mikehotka.com/CertLogs/Bambury600/HR5605.html | 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 1/5 FOVs long and 1/5 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 | https://mikehotka.com/CertLogs/Bambury600/He2-149.html | 15 | 51 | 40.9 | - | 51 | 31 | 28 | Jun |
| 400 | NGC 5999 | | | 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 | https://mikehotka.com/CertLogs/Bambury600/NGC5999.html | 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 | https://mikehotka.com/CertLogs/Bambury600/NGC6005.html | 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 | https://mikehotka.com/CertLogs/Bambury600/Cr295.html | 16 | 0 | 48.0 | - | 53 | 32 | 0 | Jun |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | | | | | | | | Observed Data | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) |
|------|-------------|-------------|--|------|-----|---------|-----------|----------|-------------|-----------------------|--------|--------------|--|---|-----|---------------|-----------------|-----|-------------|----|----|-----|-------------------------------|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | hr | min | | (J2000) | | | | | | |
| | | | | | | | | | | | | | | | | | sec | dec | d | m | s | | |
| 403 | SL 7 | | | DN | LUP | NI | 6/17/2024 | 13:33 UT | SSO | 20" f/6.8 Cassegrain | | Good | 60 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin | https://mikehotka.com/CertLogs/Bambury600/Images/SL7.jpg | 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 ½ FOV tall and ¼ 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 filters. 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 | https://mikehotka.com/CertLogs/Bambury600/H10.html | 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 custer. 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- its 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 | https://mikehotka.com/CertLogs/Bambury600/NGC6164.html | 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 | https://mikehotka.com/CertLogs/Bambury600/RimNebula.html | 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 | hr | min | sec | (J2000) | | | | |
| | | | | | | | | | | | | | | | | | | 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 makeup 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 | | | 90 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin | https://mikehotka.com/CertLog/Bambury600/NGC6253.html | 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 | https://mikehotka.com/CertLog/Bambury600/H13.html | 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 - Bowy. 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. Telrad 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. Nested 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 | 171x - 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 |

| 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 | (J2000) | | | | |
| | | | | | | | | | | | | | | | | | | 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 adverted 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 hare 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 | https://mikehotka.com/CertLog/Bambury600/VPav.html | 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 the 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 hare brighter core. Speckling. | | 17 | 50 | 51.6 | - | 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 | HP 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 8x50 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 |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | |
|------|-------------|-------------|-------------------------|------|-----|---------|---------------|-------|-------------|-----------------------|--------|--------------|---|---------------|-----------------|-----|-------------|-----|----|----|-------------------------------|-----|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | hr | min | (J2000) | | | | | |
| | | | | | | | | | | | | | | | | | 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 rhs 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. Telrad is in the right part of the top of the teapot. With a 2nd, longer look, can see some mebers 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 - Smalle 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 hare 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 FOV. 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 |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | Declination | | | | Best Month to Observe (10 pm) | | |
|------|-------------|----------------|------------------------------|------|-----|---------|---------------|----------|-------------|-----------------------|-----------|--------------|---|---|-----------------|-----|-------------|-----|----|----|-------------------------------|-----|--|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | (J2000) | | | | | | | | |
| | | | | | | | | | | | | | | | hr | min | sec | dec | d | m | | s | |
| 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 | LYR | 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 | Bernes 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 | Bernes 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 | AQL | 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 | AQL | 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. 9mmShows 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 | LYR | 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 | AQL | 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 | LYR | 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 contract against background sky. Class I.1.m. | | 19 | 20 | 53.0 | + | 37 | 46 | 19 | Aug | |
| 545 | Dunlop 226 | | Beta Sagittarii | 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 Sagittarii | 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 hit 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 | https://mikehotka.com/CertLogs/Bambury600I/HR7548.html | 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 | |

| ID # | Target Name | Other Names | Common Name | Type | Con | Vmag | Observed Data | | | | | | | Link to Image | Right Ascension | | | Declination | | | | Best Month to Observe (10 pm) |
|------|-------------|--------------|-----------------------|--------|-----|------|---------------|----------|-------------|-----------------------|--------|--------------|---|---|-----------------|-----|------|-------------|----|----|----|-------------------------------|
| | | | | | | | Date | Time | Location | Equipment | Seeing | Transparency | Description | | hr | min | sec | (J2000) | | | | |
| | | | | | | | | | | | | | | | | | | 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, the 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 an 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 | https://mikehodka.com/CertLogs/Bambury600/ThetaIndi.html | 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 | https://mikehodka.com/CertLogs/Bambury600/TInd.html | 21 | 20 | 9.5 | - | 45 | 1 | 19 | Sep |
| 573 | 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 | https://mikehodka.com/CertLogs/Bambury600/YPav.html | 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 Circular 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 | | | | | | | | | | 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 |
| 578 | IC 5148 | also IC 5150 | | PN | GRU | 11.0 | 9/24/2016 | 22:39 | Okie-Tex SP | | | | | | | | | | | | | |
| 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 a 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 | | | 30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin | https://mikehodka.com/CertLogs/Bambury600/IC5152.html | 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 | | | 30 sec exposure. Luminance. FOV is 37.2 x 37.2 arcmin | https://mikehodka.com/CertLogs/Bambury600/IC5201.html | 22 | 21 | 24.0 | - | 46 | 4 | 0 | Sep |
| 582 | HR 8521 | HD212087 | pi-1 Gru | MS | GRU | 6.0 | 6/24/2013 | 1:09 | DAS Site | 8" f/6 Newtonian | Good | Good | 121x - A nice, bright, orangish star. | | 22 | 22 | 44.2 | - | 45 | 56 | 53 | Sep |

| 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 | |
| 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 | https://mikehotka.com/CenLogs/Bambury600/NGC7410.html | 22 | 54 | 59.3 | - | 39 | 39 | 45 | Sep | |
| 589 | IC 1459 | | | Gal | GRU | 10.0 | 9/26/2016 | 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 | https://mikehotka.com/CenLogs/Bambury600/NGC7424.html | 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, silver of light (barred spiral), w/AVI can see this silver (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 | https://mikehotka.com/CenLogs/Bambury600/IC5332.html | 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 | https://mikehotka.com/CenLogs/Bambury600/19Psc.html | 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 |
| lhs | Left Hand Side |