Sunday November 8, 2015

Went to LTO to use the 24". My 13mm yields 195x and their 35mm yields 72x.

Clear, calm and 61 degrees at sunset, 4:35 PM.

Seeing is OK and Transparency is Good along western horizon. 53 degrees.

NGC 6278	6:06 PM	195x – A small, very dim oval, 2:1. Has hare brighter, larger core area that brightens a bit to center.
NGC 6186	6:09 PM	195x – A small, thin, 3:1, extremely faint linear glow with small, stellar core in center seen once.
NGC 6267	6:11 PM	195x – A small fat oval, extremely faint, uniformly lit glow.
NGC 6389	6:13 PM	195x – A small, extremely faint ghostly oval glow. Has hint of a hare brighter core in center. Way cool beings it is so faint.
NGC 6372	6:16 PM	195x – A small fat oval, maybe round. Extremely faint, uniformly lit, smudge of light glow.
NGC 6255	6:24 PM	195x – A very small, extremely faint, ghostly, uniformly lit, smudge of light. Oval in shape. Very hard to see.

M13 Awesome.

NGC 6301	6:28 PM	195x – A long, thin, small, 3:1, very faint, uniformly lit glow. Has brighter field star below center of glow and a bit right of center on glow. Goes 2 – 8 o'clock.

Seeing and Transparency Very good now. An awesome sky revealing very faint galaxies.

NGC 6241	6:31 PM	195x – A small, extremely faint glow. Maybe oval or lens shaped. Uniformly lit.
NGC 6177	6:33 PM	195x – A small, round, extremely faint, uniformly lit glow.
NGC 6150	6:36 PM	195x – A very small, extremely faint, uniformly lit oval glow.
NGC 6195	6:38 PM	195x – A small fat oval, almost round. Extremely faint, uniformly lit smudge of light.

NGC 6175 6:40 PM 195x – A small, maybe round, extremely faint, ghostly, uniformly lit smudge of light.

Seeing and Transparency very good. Stars steady.

NGC 6160 6:42 PM 195x – A very small, extremely faint oval. Uniformly lit, ghostly glow. Has an extremely faint field star just to the left of it and near but not touching halo glow.

NGC 6154 6:45 PM 195x – A very small, extremely faint, round halo glow with brighter stellar core in center. Below and near a much brighter field star.

Seeing and Transparency very good this low in west. Saw may 15th mag galaxies in FOV.

NGC 5912 6:51 PM 195x – A small, extremely faint oval, 2:1, uniformly lit glow.

NGC 5836 6:53 PM 195x – A small, extremely faint fat oval, ghostly glow. Has extremely faint field star on glow, so faint can't tell if a core or star.

NGC 6071 6:55 PM 195x – A small, extremely faint, ghostly lens shaped smudge of light. Maybe saw an extremely faint core in center. There is something on the glow but this is a really faint one.

NGC 6331 6:58 PM 195x – A very small, extremely faint ghostly smudge of light. Oval. Pops into view once in a while when looking at FOV.

All galaxies are seen using the hood and AV.

NGC 6252 7:02 PM 195x – A very small, very faint oval, 2:1 with larger, brighter core area.

50 degrees. Seeing and Transparency very good. Stars steady. Milky Way soft looking.

UGC 11492 7:15 PM 195x – A long, thin, dim glow under 2 field stars. Left star on glow brighter and right star much dimmer and maybe it's core.

Rest of UGC galaxies in this area of Cygnus were not revealing themselves.

Do 9	7:26 PM	195x – To left of a bright field star are 4 bit dimmer blue white stars that form an arrow head pointing at bright star.
NGC 6914	7:29 PM	195x – Around a bright field star is a large, dim, circular dim halo glow that reveals the upper left region of the nebula. Rest of the nebula is not seen. There is not a lot of contrast in the sky right now.
Do 44	7:33 PM	195x – 10 stars of 3 magnitudes with upper left brightest form a long, thin rectangle.

49 degrees. Seeing and transparency Good.

NGC 7826	7:37 PM	195x – A small asterism of 6 stars of same magnitude.
B 347	7:45 PM	72x – A long, thin, double lobed area, ¾ FOV long that is void of stars in a star rich area.
DoDz 10	7:49 PM	72x – A nice, ½ FOV long, thin open cluster. Has brighter field star at top and 20+ stars of a dimmer magnitude and 5-8 much dimmer stars amongst these. Long tear drop shape that goes 12-6 o'clock.
Do 36	7:53 PM	72x – Maybe ¼ FOV long and wide. 20 fainter blue white stars of 2 magnitudes make up this hook and loop of a string of stars.
IC 1311	7:56 PM	72x – A small string of stars forms a flat loop. 20+ stars with one brighter at top, 8 a bit dimmer and rest much dimmer.
Cr 419	8:01 PM	72x – A bright field star centers this open cluster. 18 much fainter stars of 4 magnitudes surround this star nicely. There is a brighter circular halo glow around bright star and underneath all rest of the stars.
Do 42	8:06 PM	195x – One bright field star on lower right of short rectangle shaped with 6 stars a bit dimmer and 6 more very faint stars outlines a small, short rectangle.

Do 41	8:10 PM	195x – A long, thin chain of 8-10 very faint stars.

Do 40	8:13 PM	195x – About ½ FOV in size, this 40+ star open cluster has stars of many magnitudes packed into this tight, circular shape. Most of faintest stars on left hand side and brighter on right hand side.
Do 39	8:16 PM	195x – 18 faint and much fainter stars form an outline of a small, flat triangle.
Do 3	8:21 PM	195x – A small circlet of 5-6 very faint stars.
Basel 6	8:25 PM	195x – A small, roughly circular shape of 10-15 stars. 3 brighter and rest faint and fainter.
Sh 2-101	8:40 PM	195x – Around 2 brighter field stars near each other is a circular halo glow around each star. Easy to see with UHC filter. Very dim halo glow.

Seeing and transparency OK. Sky soft but stars steady.

Roslund 5	8:45 PM	72x – 50-100 brighter blue white stars fills FOV nicely. Can see it is more oval than circular in shape. Goes wide across the FOV and ¾ FOV high. Stars outside this open cluster are not this vivid blue white color. 4-5 magnitudes of stars with dimmest still pretty bright.

46 degrees. Seeing and transparency OK.

DoDz 11	8:51 PM	72x – Around a brighter field star and another a bit dimmer. Below them are 16 much fainter stars that for a long, flat circle around these 2 stars.

Do 45	8:56 PM	195x – Around a brighter field star are 12 very faint stars with more stars above bright star than below. Small and compact.
Cr 428	9:00 PM	195x – 12 brighter and 10 very faint stars form a long lens shaped open cluster. Cluster is to the lower left of a brighter field star.

Bark 1	9:03 PM	195x – With a brighter field star at top, 12 stars of 2 much fainter magnitudes form a circlet. Small. Second magnitude very faint.
NGC 923	9:11 PM	195x – Below and to right and near a bright field star is a very small, very faint oval, uniformly lit glow.
IC 5370	9:15 PM	195x – A small, extremely faint round glow with brighter stellar core in center. Core easy to see and the halo is extremely faint.
NGC 2026	9:26 PM	195x – Fills center of FOV nicely. 25-30 dim stars of 3-4 magnitudes make up this oval shaped cluster.
Stock 23	9:43 PM	195x – 2 brighter field stars are at the apex of 3 chains of stars radiating downwards. Left most chain has 3 dim stars of same magnitude. Middle chain has 4 brighter stars of same magnitude. Upper chain has 4 very faint stars of 2 magnitudes. There is a lone star above 2 bright stars.
NGC 2240	10:03 PM	195x – To left of a brighter field star are 12 brighter and 15 dimmer stars in a roughly circular shape. ½ FOV in diameter. Very loose.
NGC 2165	10:07 PM	195x – 20-25 stars form a tall baseball cap. Brighter stars on bottom. Faintest make arch of top of hat. ½ FOV tall. OR it was a small, thin chain of very faint stars, 11-5 o'clock just to the right of this. Maybe 10 stars in chain.
NGC 2224	10:19 PM	195x – An asterism of 7 stars, 4 brightest form a line about 1/3 FOV long and 3 dimmest form a small triangle. Small and compact.
NGC 2356	10:52 PM	195x – A small, roundish, compact cluster with 30+ fainter stars and 1 brighter field star at 10 o'clock edge of cluster.

Great night at LTO. The 24" is a great scope to use. 10:53 PM. Got almost 5 hrs of observing in. I love standard time.

42 degrees. Seeing and transparency OK. Stars still steady. Took my first look at M42 for the season.