

Saturday February 1, 2019

Went to LTO to use the 24". Arrived about 10:15 PM because I wanted to view H2500 galaxies in western Virgo and needed to let that area of the sky rise. Seeing and transparency good. Temperature 34°. No wind. 13mm yields 188x and 35mm yields 70x.

NGC 3155 10:35 PM 13mm – A small, extremely faint oval uniformly lit ghostly glow.

NGC 2726 10:40 PM 13mm – A small, thin tilted oval. 3:1. Very faint. Uniformly lit.

Dome lit up good by neighbor's to the east backyard spotlights.

AR 37 10:50 PM 35mm – 3 brighter and 6 bit dimmer blue-white stars form an arc on the bottom and triangle shape above arc. Long part of arc approx. $\frac{3}{4}$ FOV long.

UGC 6090 11:01 PM 13mm – An extremely faint, small smudge of light. My eye follows a hint of a glow when I pan the telescope back and forth. Was magnitude 13.9.

NGC 3401 11:12 PM 13mm – A single dim star.

NGC 2722 11:15 PM 13mm – A small, fat very faint oval. Maybe core area that is here brighter than halo. Otherwise uniformly lit.

NGC 3818 11:44 PM 13mm – A small, fat, faint oval with larger, brighter core.

NGC 3952 11:49 PM 13mm – An extremely faint, uniformly lit oval. 2:1.

NGC 4044 11:52 PM 13mm – A small, extremely faint, uniformly lit, fat oval.

NGC 4077 11:54 PM 13mm – A small, fat, very faint, uniformly lit oval.

NGC 4123 11:56 PM 13mm – A small, very faint, uniformly lit oval glow.

NGC 4482 11:59 PM 13mm – A long, thin, 3:1 cigar shaped, uniformly lit, extremely faint glow.

Seeing and transparency still good.

NGC 4099 12:09 AM 13mm – A very faint, small, fat oval with a here brighter stellar core on glow.

NGC 4204	12:12 AM	13mm – An <u>extremely faint</u> , uniformly lit, smudge of light glow.
NGC 4146	12:23 AM	13mm – An <u>extremely faint</u> , fat oval, uniformly lit, ghostly glow.
NGC 4455	12:26 AM	13mm – a long, 4:1, cigar shaped, <u>very faint</u> oval, uniformly lit glow.
NGC 4561	12:33 AM	13mm – A small, round, very faint glow with hare brighter, larger core with maybe a stellar core at the center of that.
NGC 4685	12:36 AM	13mm – A small, roundish, faint glow with larger, brighter core.
NGC 4555	12:40 AM	13mm – A dim, fat oval with brighter, larger stellar core.
NGC 4556	12:42 AM	13mm – A small, fat oval, <u>very faint</u> , uniformly lit.
NGC 4475	12:45 AM	13mm – A small, fat oval, <u>extremely faint</u> , uniformly lit, smudge of light.
NGC 4296	12:55 AM	13mm – A small, fat oval, very faint with hint of a hare brighter core.
NGC 4297	12:55 AM	13mm – Then to lower left of N4296 is this tiny, uniformly lit, <u>extremely faint</u> hint of a glow.

Closed wind screen to block the neighbor's back porch lights to the east. Works great, although I noticed the lights are now off. There was white light pouring into the dome when I looked this direction. My objects are now high enough to look over the wind screen.

Seeing and transparency still good.

NGC 4223	1:02 AM	13mm – A small, thin, 3:1 cigar shaped dim oval with a larger, brighter core.
NGC 4342	1:07 AM	13mm – A small, thin, dim oval with larger, brighter core.
NGC 4341	1:08 AM	13mm – A very small oval, uniformly lit, <u>extremely faint</u> smudge of light. Maybe a hint of a tiny stellar core. This is above, to the left and near N4342.
NGC 4300	1:12 AM	13mm – A thin cigar shaped oval, 3:1, very faint, uniformly lit.

NGC 4376	1:15 AM	13mm – An <u>extremely faint</u> fat oval. Uniformly lit.
NGC 4430	1:19 AM	13mm – An extremely faint, larger, circular, uniformly lit glow.
NGC 4670	1:24 AM	13mm – A very small, thin oval, dim, with a faint stellar core.
NGC 4673	1:24 AM	13mm – To the lower left of N4670 is this tiny, round, very faint glow with a brighter stellar core.
NGC 4692	1:27 AM	13mm – A small, <u>very faint</u> round glow with tiny, hare brighter, <u>very faint</u> stellar core.
NGC 4789	1:36 AM	13mm – Below a brighter field star and near is this very small, round, very faint glow with tiny, hare brighter stellar core.
NGC 4798	1:39 AM	13mm – A very small, extremely faint roundish glow with a hare brighter stellar core.
NGC 4528	1:43 AM	13mm – A dim, fat oval with linear, larger, brighter core.
NGC 4564	1:45 AM	13mm – A dim, long, thin edge on. 3:1. Has larger, brighter core and tiny tapered arms. Goes 11:30 – 5:30 o'clock in FOV. Nicest one seen tonight.

Seeing and transparency still good.

NGC 4567	1:48 AM	13mm – A larger, very faint, fat oval. Vertical in FOV. Approx. ½ FOV long. Has tiny bright core.
NGC 4568	1:48 AM	13mm – 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.
NGC 4606	1:55 AM	13mm – A small, fat oval, <u>very faint</u> , uniformly lit glow. Just above a very faint field star and near the field star.

What a wonderful night. 14th magnitude galaxies were not showing up but rest did. I found all but 3 galaxies I looked for. I would like to have stayed longer, but need to get home and to bed. Not tired but I know I soon will be. 29° on the car thermometer when I left LTO.