

Tuesday March 5, 2013

Arrived at LTO to use the 24 inch tonight. High thin clouds at sunset in the north and southern horizon threaten to make the night not as good as predicted. 47 degrees after twilight ends and the thin clouds are effecting the seeing a bit.

Seeing Good. Transparency Good.

13mm is 188x in the 24 inch f/4 telescope.

Θ ₁ Ori C	6:43 PM	13mm – A nice, bright white star. Brightest of trapezium stars.
NGC 1954	7:02 PM	13mm – A small, thin, longer glow with 2 brighter stars on glow on each side of the center of glow.
NGC 1684	7:14 PM	13mm – A dim tilted oval with larger brighter core. Stellar core seen once in a while in center of larger core.
NGC 1682	7:14 PM	13mm – Then above and a bit to right of N1684 but near is a smaller, round, very dim glow with tiny, hare brighter core seen on glow.
NGC 1678	7:17 PM	13mm – A very small, extremely dim roundish, uniformly lit glow. Seen only with AV.
NGC 1670	7:20 PM	13mm – An <u>extremely</u> faint, linear, small, uniformly lit smudge of light. Barely there with AV.
NGC 1729	7:23 PM	13mm – A small, thin, linear glow with tiny brighter core in center of glow. <u>Very</u> dim, yet easy to see. A dimmer (than core) field star to left of core and on halo glow.
NGC 1646	7:27 PM	13mm – A <u>very</u> dim, thin oval. Longer arms from a dim, tiny core on each side. Still small overall.
NGC 1580	7:29 PM	13mm – A <u>very</u> small, <u>extremely</u> faint, roundish smudge of light. Barely there.
NGC 1643	7:34 PM	13mm- An <u>extremely</u> faint, small glow with hint of tiny, hare brighter core seen once in a while. Maybe oval in shape.

33 degrees. Seeing OK. Transparency OK. Thin clouds south along horizon from where I am observing in Eridanus.

NGC 1645	7:37 PM	13mm – A ghostly glow of a roundish, small, uniformly lit smudge of light.
NGC 1659	7:40 PM	13mm – A ghostly glow, <u>extremely</u> faint, almost not there with AV, uniformly lit glow. Small.
NGC 1653	7:41 PM	13mm – A small, <u>very</u> dim oval glow with tiny, hare brighter core in center of glow. Still overall a very dim object.
NGC 1638	7:43 PM	13mm – A larger, <u>very</u> dim tilted oval. Appears to have an extended halo a bit away from a small, hare brighter core region in center of glow. Yet dim, easy to see the extent of this halo glow. Nice.
NGC 1635	7:45 PM	13mm – A round, small, <u>very</u> dim glow. Has a small, hare brighter core in center of round glow.
NGC 1620		13mm – The below and to left and very near is a hare dimmer, still <u>very</u> dim, tilted oval. Small in size. Has a larger, brighter core in center of glow that pops into view once in a while.
NGC 1552	7:52 PM	13mm – A tiny, round glow. An <u>extremely</u> faint, uniformly lit smudge of light seen with AV.
NGC 2401	7:57 PM	13mm – A small, roundish glow with 8 <u>very</u> faint stars sprinkled on top of the glow. Very faint yet easy to see.
NGC 2545	8:05 PM	13mm – A nice, brighter, larger, long thin edge on. Has larger, brighter core and longer tapered arms that dim slowly. Goes from 1 – 7 o'clock in FOV. Nice.
NGC 2563	8:17 PM	13mm – A small, dim round glow. It is brightest in center and dims slowly to edge. Nice.
NGC 2562	8:17 PM	13mm – Then below and to left and near N2563 is a dim, tilted oval glow. Medium in size. Has large brighter core area in center of halo glow.
NGC 2577	8:21 PM	13mm – A small, dim, easy to see oval glow. Pretty uniformly lit yet hint of a small, hare brighter core seen once in a while.

NGC 2592 8:24 PM 13mm – A small, dim, round glow with small, hare brighter core seen in center of glow.

Seeing OK. Transparency OK. 30 degrees.

NGC 2599 8:26 PM 13mm – A small, dim, uniformly lit round to oval glow.

NGC 2608 8:31 PM 13mm – A larger, very faint tilted oval. Lots of faint halo glow seen and a tiny, hare brighter core seen. Core small in relation to larger halo glow.

NGC 2619 8:33 PM 13mm – A small, very faint oval glow. Uniformly lit.

NGC 2648 8:35 PM 13mm – A small, dim tilted oval with larger, brighter core seen in center of halo glow.

NGC 2672 8:37 PM 13mm – Nice. A dim, larger tilted oval with lots of dim halo glow seen. Larger core in center of glow with star like much brighter core in center of brighter larger core.

Seeing and Transparency seemed to have diminished a lot. Both fair now. 30 degrees.

NGC 2874 8:46 PM 13mm – A small, very dim, linear glow. In center of glow is a small, hare brighter core. To right and very near
NGC 2872 N2874 is N2872, a small round, very dim glow with larger, brighter core in center of glow. The above these 2 and very
NGC 2873 near is a hint of a tiny smudge of light of N2873. Almost missed it without Sky Safari telling me where to look.

NGC 2894 8:52 PM 13mm – A tiny, very faint round glow with star like core in center of glow. In middle, between 2 field stars, left star brighter and right star extremely dim. Nice set with AV.

13th magnitude galaxies are now just a smudge of light. The relative humidity was predicted to get above 70% which is what I am seeing now. Earlier in the evening the 14th magnitude galaxies looked like this while the 13th magnitude galaxies were beacons in the eyepiece.

This 24 inch scope is very nice. Brings in faint photons even in this semi-rural light polluted town of Berthoud. Had a good time looking at galaxies tonight.