

Friday December 27, 2013

Drove up to the Little Thompson Observatory to use their 24" f/4 Newtonian. Arrived about 3PM to startup the scope for I have not done it for a while.

Venus 3:30 PM 13mm – Awesome, thin crescent.

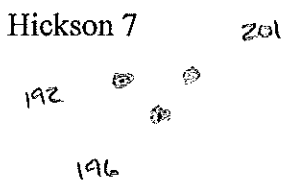


About 4:30 PM, sun set. Clear, calm and 54 degrees in dome. Sky good. Transparency great. I used the 13mm eyepiece (234x) with the Galaxy Filter (lets blue wavelengths thru) to block light pollution effects.

Seeing Good. Transparency Great

PGC 143	5:52 PM	13mm – An <u>extremely</u> faint oval glow. Larger oval. Has faint field star in center of glow.
NGC 216	5:55 PM	13mm – A small, faint, larger core on a tiny bit of halo glow around core.
NGC 171 (NGC 175)	6:02 PM	13mm – A dim “fuzzy” star is where this galaxy should be.
NGC 244	6:05 PM	13mm – A tiny, round, <u>extremely</u> faint uniformly lit smudge of light.
NGC 255	6:10 PM	13mm – A small, <u>very</u> faint oval glow.
NGC 154	6:15 PM	13mm – An <u>extremely</u> faint oval, larger, uniformly lit glow.
NGC 163	6:17 PM	13mm – A <u>very</u> faint, small, fat oval with larger, hare brighter core area.
NGC 191	6:19 PM	13mm – A longer, small, <u>very</u> faint glow.
NGC 61	6:21 PM	13mm – A small oval. <u>Very</u> faint, uniformly lit glow.
NGC 270	6:22 PM	13mm – A small, thin oval, <u>very</u> faint, uniformly lit glow.
NGC 273	6:24 PM	13mm – A small oval. <u>Extremely</u> faint smudge of light.
NGC 352	6:26 PM	13mm – A small thin oval. <u>Very</u> faint, uniformly lit glow.

NGC 259	6:27 PM	13mm – A medium sized thin edge on. Longer arms. Goes from 1-7 o'clock. Very dim. Central area bit bigger and here brighter.
NGC 279	6:29 PM	13mm – A small, longer, fat oval. Dim. Larger, here brighter core seen in center of glow.
NGC 271	6:30 PM	13mm – Above and to right of bright field star is this small, dim oval with small, here brighter center.
NGC 227	6:32 PM	13mm – A long, thin, small edge on with much brighter, small core in center. Easy to see.
NGC 132	6:34 PM	13mm – A medium sized, long, thin, uniformly lit oval. Dim yet easy to see.
NGC 173	6:36 PM	13mm – A medium sized, round, very faint splotchy glow.
NGC 196 NGC 192 NGC 201 Hickson 7	6:37 PM	13mm – Upper left is N192, the biggest and brightest of three. A small round dim glow with star like core in center of glow. Below and to right is N196, a smaller, bit dimmer version of it. Then between the two and to upper right is N201, a small, extremely faint, round smudge of light.



41 degrees. Seeing Great. Transparency Great. The 13mm with galaxy filter working great.

NGC 550	6:40 PM	13mm – A small, fat oval. Dim. Has larger, here brighter core with star like core in center of this area.
NGC 693	6:41 PM	13mm – A medium sized thin, dim edge on with central bulge seen. Uniformly lit.
NGC 742	6:43 PM	13mm – A small, round, <u>very</u> dim glow. See a here brighter core that brightens into a tiny bright core in center.
NGC 521	6:45 PM	13mm – A larger, fat, long, <u>extremely</u> dim oval with tiny, brighter core in center.



NGC 622	6:49 PM	13mm – A <u>very</u> dim, small, fat, uniformly lit oval glow.
NGC 493	6:50 PM	13mm – An <u>extremely</u> faint, medium sized, long, fat oval, uniformly lit glow.
NGC 560 NGC 564 Star	6:53 PM 564	13mm – N560 is a small thin oval with hare brighter core. Then above, near and to right is N564, a small, round smudge of light.
NGC 702	6:55 PM	13mm – A small, round, <u>extremely</u> faint, uniformly lit glow.
NGC 748	6:56 PM	13mm – A small, oval, <u>extremely</u> faint, uniformly lit smudge of light.
NGC 762	6:58 PM	13mm – A small, roundish, extremely faint, uniformly lit glow. Maybe a hint of a small, hare brighter core.
NGC 586 NGC 584	7:00 PM 584	13mm – To the lower left of N584, a large bright edge on with bright core is N586, a small, extremely faint, round, smudge of light.
NGC 624	7:02 PM	13mm – Above and to left of a faint field stars is this small, round, ghostly glow.
NGC 686	7:03 PM	13mm – A small, oval, uniformly lit, <u>extremely</u> faint smudge of light.
NGC 723	7:05 PM	13mm – A small, ghostly, oval glow. Almost not there.
NGC 902	7:06 PM	13mm – A small, roundish, <u>extremely</u> faint ghostly smudge of light.
NGC 887	7:07 PM	13mm - A small, oval, <u>extremely</u> faint glow. Has <u>extremely</u> faint field star on left has side of glow. Uniformly lit.
NGC 682	7:10 PM	13mm – A small, round glow. <u>Very</u> faint with larger, hare brighter core in center.
NGC 773	7:11 PM	13mm – A medium sized long thin oval, <u>extremely</u> faint, uniformly lit, ghostly glow.

NGC 873 NGC 883	7:12 PM	13mm – N873 is a larger, longer fat oval. Extremely faint, uniformly lit glow. Then below and to right is N883, an extremely faint, round, small, uniformly lit glow.
NGC 977	7:15 PM	13mm – A small, round, extremely faint ghostly smudge of light.
NGC 853	7:17 PM	13mm – A small, oval, uniformly lit, extremely faint glow between 2 field stars.
NGC 701	7:18 PM	13mm – A longer, larger fat oval. Very faint. Uniformly lit glow.
NGC 731	7:20 PM	13mm – A small, fat oval with brighter, larger core in center. Dim. Easy to see.
NGC 755	7:21 PM	13mm – A long, larger thin edge on. <u>Extremely</u> faint. Uniformly lit.
NGC 864	7:23 PM	13mm – Touching a bright field star on left hand side is this medium sized fat oval, <u>extremely</u> faint, ghostly glow.
NGC 827	7:24 PM	13mm – A small, thin, extremely faint oval glow.
UGC 2441	7:27 PM	13mm – A small, oval, <u>extremely</u> faint ghostly smudge of light. Almost not there.

38 degrees. Seeing Good. Transparency Good.

NGC 1266	7:30 PM	13mm – A small, longer oval, <u>extremely</u> faint ghostly smudge of light.
NGC 1308	7:32 PM	13mm – A tiny oval, <u>extremely</u> faint. Pops into view now and then. Uniformly lit.
NGC 1287 (NGC 2733)	7:34 PM	13mm – A tiny oval, <u>extremely</u> faint, uniformly lit smudge of light.
NGC 1320 NGC 1321	7:35 PM	13mm – Above is N1320, a small, oval, dim with larger, brighter core. Then below it and near is N1321, a small, thin oval. Uniformly lit, <u>extremely</u> faint glow.

1320

1321

NGC 1304	7:37 PM	13mm – A small, round, <u>extremely</u> faint, ghostly smudge of light.
NGC 1324	7:38 PM	13mm – A medium sized, fat oval, extremely faint, uniformly lit glow. On left hand side there is a hare brighter glow of more galaxy here.
NGC 1248	7:40 PM	13mm – A small, round, <u>very</u> dim glow, with small, hare brighter core.
NGC 1299	7:42 PM	13mm – A small, thin oval, <u>extremely</u> faint, uniformly lit glow.
NGC 1284	7:43 PM	13mm – A tiny, thin oval, <u>extremely</u> faint, ghostly smudge of light.
NGC 1309	7:44 PM	13mm – A medium sized round, dim glow. Uniformly lit. Has <u>extremely</u> faint tiny star like core in center of round halo glow.
NGC 1125	7:45 PM	13mm – A small, oval, <u>extremely</u> faint, uniformly lit glow.
NGC 1331	7:47 PM	13mm – A nice face on, barred spiral. See two tiny arms come off at 8 and 2 o'clock. Large, bright core with even brighter center. Coolest one seen tonight.
NGC 1401	7:52 PM	13mm – A small, <u>very</u> faint oval, uniformly lit.
NGC 1439	7:53 PM	13mm – A small, dim oval with small, brighter core.
NGC 1377	7:55 PM	13mm – A small, round, <u>extremely</u> faint, ghostly glow.
NGC 1370	7:56 PM	13mm – A tiny, round, <u>extremely</u> faint uniformly lit glow.
NGC 1362	7:57 PM	13mm – A medium sized, round, extremely faint, ghostly halo glow with tiny, star like core in center of glow.
NGC 1452	7:59 PM	13mm – A tiny, oval glow. <u>Very</u> faint with larger, hare brighter core.
NGC 1440 NGC 1442	8:00 PM	13mm – N1440 is a thin, small oval dim glow with larger, brighter core. Then near and to upper right is N1442, a tiny, <u>extremely</u> faint, round, ghostly glow.



1442

1440

NGC 1393	8:02 PM	13mm – A small, thin oval, <u>very</u> faint, uniformly lit glow.
NGC 1461	8:04 PM	13mm – a small, thin oval to edge on shaped galaxy. Very dim. Has hare brighter core.
NGC 1354	8:05 PM	13mm – A medium sized, long cigar shaped oval. <u>Very</u> dim. Uniformly lit.
NGC 1357	8:06 PM	13mm – An <u>extremely</u> faint, round, small, ghostly glow.
NGC 1358	8:08 PM	13mm – A tiny, round, <u>extremely</u> faint glow with larger, hare brighter core area.
NGC 1397	8:09 PM	13mm – A medium sized, long, thin, <u>extremely</u> faint, uniformly lit glow.
NGC 1417 NGC 1418	8:11 PM	13mm – N1417 is an extremely faint, small, thin oval ghostly glow. Then to right and near is N1418, a tiny, round smudge of light.
NGC 1441	8:12 PM	13mm – A small, <u>extremely</u> faint, round, uniformly lit glow.
NGC 1453	8:14 PM	13mm – A small, dim oval with larger, much brighter core.
NGC 1409	8:15 PM	13mm – An <u>extremely</u> faint, small, round, ghostly smudge of light.
NGC 1516	8:17 PM	13mm – A small, <u>extremely</u> faint, ghostly smudge of light.
NGC 1665	8:18 PM	13mm – A medium sized, fat, cigar shaped, <u>extremely</u> faint, uniformly lit smudge of light.
NGC 1609 NGC 1611	8:20 PM	13mm – N1609 is a tiny, oval, extremely faint glow. Then above and to right is N1611, a smaller, yet even fainter oval smudge of light.
NGC 1576	8:23 PM	13mm – An extremely faint, small, uniformly list, ghostly smudge of light nestled between 2 field stars.
NGC 1588 NGC 1589	8:25 PM	13mm – N1588 is a nice, medium sized, bright oval with larger, bright core. Then near it and to left and almost touching is N1589, a smaller, round, dim glow with small, hare brighter core.

1609
 1611
 1588
 1589

NGC 1550	8:27 PM	13mm – A small, thin oval with small, bright core. Dim.
NGC 1633 NGC 1634	8:29 PM	13mm – N1633 is upper one and N1634 is lower one. Both are the same. Small, round, <u>extremely</u> faint, uniformly lit ghostly glows, near each other on a line from 2 – 8 o'clock.
NGC 1384	8:31 PM	13mm – A small, round, extremely faint, ghostly, almost not there, smudge of light.
NGC 1343	8:35 PM	13mm – A tiny, round, dim, uniformly lit glow.
NGC 281	8:39 PM	13mm – A tight group of 8-10 stars of 3 magnitudes. 22mm (115x) eyepiece sees it the best.
Stock 2	8:42 PM	35mm – 72x – Overwhelms field of view with lots of stars. Roundish in shape.
NGC 2387	8:50 PM	13mm – A small, round, <u>extremely</u> faint, ghostly smudge of light. Almost not there.
NGC 1781	9:14 PM	13mm – an <u>extremely</u> faint, small oval, uniformly lit glow.
34 degrees. Seeing and Transparency Good.		
NGC 1954	9:17 PM	13mm – A tiny, round, dim glow with larger, brighter core.
NGC 2076	9:18 PM	13mm – A small, think oval, <u>extremely</u> faint, ghostly smudge of light.
NGC 2089	9:23 PM	13mm – A small, round, dim glow that brightens slowly from edge to center. Center is a hare brighter than the edge.
NGC 1993	9:25 PM	13mm – An <u>extremely</u> faint, small, round, uniform lit smudge of light. Easy to see with AV.
NGC 2124	9:26 PM	13mm – A larger, <u>very</u> faint, long, thin, cigar shaped galaxy. Uniformly lit. Goes from 1-7 o'clock in FOV.
NGC 2073	9:28 PM	13mm – An extremely faint, small, long oval, ghostly smudge of light. Almost not there.
M-3-13-53 Hickson 32	9:32 PM	13mm – To upper left of a bright field star is this tiny, round, <u>extremely</u> faint smudge of light with hint of a stellar core seen in center of tiny glow once in a while.

NGC 1875 Hickson 32	9:38 PM	13mm – To lower left and near to a dim field star is this tiny, round, <u>extremely</u> faint glow. Has mottling on glow like maybe tiny stars on glow or a core and stars.
NGC 2290	9:42 PM	13mm – An <u>extremely</u> faint, medium sized, uniformly lit oval glow. Popped into view twice while studying star field in eyepiece.
NGC 2308	9:46 PM	13mm – A small, very dim oval. Hint of a core seen on glow.
NGC 2402	9:47 PM	13mm – Under end star of a chain of 4 stars is this tiny, round, <u>extremely</u> faint, uniformly lit glow. Easy to see with AV.

Jupiter awesome. Saw GRS. M42 nice.

NGC 2543	10:34 PM	13mm – A larger, <u>extremely</u> faint oval, uniformly lit glow.
NGC 2693	10:37 PM	13mm – A brighter, small oval with large, bright core.
NGC 2419	10:40 PM	13mm – A dim globular cluster. Small. Compact. Cannot see members stars but they hit to be there.
NGC 2424	10:41 PM	13mm – A small, very dim oval, uniformly lit glow.

33 degrees. Seeing and Transparency OK. Seeing is going as predicted about this time.

NGC 2776	10:43 PM	13mm – A small, round, <u>very</u> dim, uniformly lit glow.
NGC 2537	10:45 PM	13mm – A small, round, dim, uniformly lit glow.
IC 2233	10:47 PM	13mm – Above and to left and near a bright field star is this tiny, round, brighter, diffused glow of galaxy that is uniformly lit.

NGC 2541	10:40 PM	13mm – A hint of a small, oval, smudge of light seen.
NGC 2500	10:52 PM	13mm – An <u>extremely</u> faint, large, round ghostly glow.

Above couple of galaxies are 11.5 magnitude and I can barely see them. Fainter stars gone from sky overhead, yet sky looks good. The relative humidity was predicted to be near 60% by now and this is what I think I am experiencing.

Had a great night with the 24". It performed well with the 13mm eyepiece and the galaxy filter. I bought this filter to use with this scope and it was a nice combination. Darkened the background sky enough to tease the galaxies to reveal themselves.

Packing it in. LTO is a great place to look at the sky.