

Saturday, August 18, 2012

Arrived at Deer Trail, CO site about 6:20 PM. Planned on using the Observatory's C14 tonight to look at Herschel Objects.

Sky is OK. Transparency is Fair.

NGC 6717 9:02 PM 205x – To the left of a brighter field star and near is this little knot of 3-4 dim stars. A glow of possible dimmer stars is underneath these stars. Cool.

NGC 6647 9:06 PM 205x – In a star rich field, a small, dim glow is seen where this open cluster is. No member stars seen, just this combined glow.

Seeing poor. Transparency OK. Broken clouds everywhere.

Sky finally cleared from NE. Seeing Fair. Transparency OK.

NGC 6837 11:21 PM 205x – A very loose grouping of 10-15 stars of about 2 magnitudes.

NGC 6840 11:23 PM 205x – An oval, loose grouping of 12 brighter and 10 dimmer stars. The 12 brighter stars are in 2 groups at each end of the oval. Right hand side has 5 stars and left hand side has 7 in a loose oval shape.

NGC 6926 11:27 PM 205x – A very dim, large oval. Uniformly lit.

NGC 7013 11:30 PM 205x – A nice, brighter galaxy with larger, bright core and a star like core in center of this seen once in a while. Lots of dim halo around this larger core that tapers off each end and dims quickly.

NGC 6956 11:35 PM 205x – A small fat oval, uniformly lit glow just above a brighter field star. Field star makes it hard to see. Very faint.



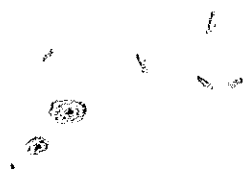
NGC 7046 11:39 PM 205x – A small elongated oval. Very faint yet can see a larger, hare brighter core area in center of glow.

NGC 7137 11:42 PM 205x – A larger circular uniformly lit, easy to see glow. Has 4-5 faint field stars on lower left part of glow.

NGC 7309 11:54 PM 205x – A medium circular glow. Very faint for 12.5 predicted magnitude.


Seeing OK. Transparency OK. Clouds completely gone.

NGC 7371	11:57 PM	205x – A larger elongated oval. Large, textured core area. Very dim overall. Bit of faint halo around core.
NGC 7302	12:00 AM	205x – A small elongated oval with brighter, large, textured core area surrounded by <u>very</u> faint halo glow.
NGC 7721	12:03 AM	205x – A large fat cigar shaped, uniformly lit glow. 2/3 FOV long.
NGC 6962 NGC 6964 NGC 6961 NGC 6967 NGC 6965 NGC 6959 PGC 65356	12:07 AM	205x – This is the NGC 6962 group. 6962 is a small round glow with larger, brighter core. Below and to left is 6964, a smaller version of 6962. A small, round glow with larger, brighter core. Above and to left is 6961, a tiny out of focus glow. Above and to right is 6967, a small, <u>very</u> faint linear glow. Then way above and to right is 6965, a small, very dim oval linear glow that is uniformly lit. To right is a tiny, <u>very</u> faint glow on 6959 and near and to its right is a tiny linear smudge of light that is PGC65356, seen once in a while as it pops in and out of view.
NGC 7251	12:22 AM	205x – A small oval glow with larger, hare brighter core. <u>Very</u> dim.
NGC 7391	12:25 AM	205x – A small oval with small bright core surrounded by elongated halo glow that is seen once in a while.
NGC 7081	12:27 AM	205x – A tiny, faint, edge on with brighter core and tiny tapered arms. w/AV, see a larger bulge around central core area.
NGC 7576	12:30 AM	205x – A small oval with bright, easy to see core. Has star like, hare brighter core in center of this. Surrounded by a tiny bit of halo.
NGC 7665	12:33 AM	205x – A tiny oval. <u>Very</u> faint with hint of hare brighter core area.



NGC 7526	12:35 AM	205x – A tight compact grouping of 3 brighter and 2 fainter stars. <u>Very</u> faint overall. Best seen with AV to see the 2 fainter members.
NGC 7782	12:39 AM	205x – A larger, roundish uniformly lit glow. Maybe a hint of texture on glow.
NGC 7743	12:51 AM	205x – Nice. Small brighter elongated oval. Maybe what is seen is brighter core with dim bit of halo extending off both ends.
NGC 7497	1:07 AM	205x – A long, approx ½ FOV long, flat, fat uniformly lit glow. Hint of larger core area near center of glow.
NGC 7741	1:10 AM	205x – A small linear oval with hint of large, hare brighter core area. Pretty uniformly lit though.
NGC 16	1:12 AM	205x – Nice. Bright. Small oval glow. Larger, brighter core seen on bright halo glow.


Seeing OK. Transparency OK. 50 degrees. No wind now.

NGC 7817	1:16 AM	205x – <u>Nice!</u> A larger tilted oval. See bright small core that dims slowly to nice extended halo, especially lots on right hand side. See a swirl of the inner part of galaxy. <u>Very Cool.</u>
NGC 7671 NGC 7672	1:19 AM	205x – A tiny round bright core with tiny bit of very faint halo around it. Then below and to left is 7672, a tiny linear smudge of light. A bit away from it yet in same FOV.
		
NGC 160	1:31 AM	205x – A tiny faint glow. Most of what is seen is core. Looks like a large, out of focus star or planetary nebula.
NGC 679	1:33 AM	205x – A tiny, <u>very</u> faint, roundish glow with tiny, brighter core. All seen with AV.
NGC 266	1:37 AM	205x – A small tilted oval with larger, textured core and easy to see halo around it.
NGC 828	1:39 AM	205x - A small, <u>very</u> faint, tilted oval. Uniformly lit halo with hint of star like core seen once in a while.

NGC 108	1:41 AM	205x – A small oval glow with have brighter core and <u>very</u> bright stellar core that pops into view once in a while.
NGC 68	1:44 AM	205x – A tiny, <u>very</u> faint uniformly lit glow.
NGC 252	1:46 AM	205x – A small oval with larger, brighter core surrounded by a bit of halo.
NGC 393	1:48 AM	205x – A small, roundish, <u>very</u> faint glow with tiny, <u>very</u> faint stellar core on center seen once in a while.
NGC 551	1:51 AM	205x – A tiny, <u>extremely</u> faint found uniformly lit glow.
NGC 797	1:53 AM	205x – An <u>extremely</u> dim, roundish to oval glow. Has hare brighter, larger core seen on glow.
NGC 818	1:55 AM	205x – A <u>very</u> faint, fat oval, uniformly lit glow.
NGC 834	1:57 AM	205x – A small, uniformly lit oval glow. w/AV see core and glow has a texture of different intensities of glow.

Sky Good. Transparency Good. 45 degrees.

GC 980 NGC 982 UGC 2068	2:00 AM	205x – An oval glow with small, brighter core. <u>Very</u> dim. Then below and near is 982, a small, very dim edge on with tiny brighter core. Then between them is U2068, a brighter stellar core with hint of tiny arms coming off it at 9:30 – 3:30 o'clock.
NGC 949	2:05 AM	205x – A small tilted oval, pretty uniformly lit. w/AV see a texture on glow. <u>Very</u> dim overall.
NGC 777	2:07 AM	205x – A small faint roundish glow with brighter tiny core seen in center.
NGC 750	2:08 AM	205x – A small, thin oval glow. w/AV see a texture on uniformly lit glow.
NGC 736	2:10 AM	205x – A tiny, roundish glow with stellar core. To left and very near is a field star of same magnitude as the core.
NGC 661	2:12 AM	205x – A tiny, roundish glow. <u>Very</u> dim. Has larger, hare brighter core.
NGC 684	2:14 AM	205x – A small, thin, edge on. See hare brighter central area. Arms easy to see w/AV. <u>Very</u> dim overall.

NGC 855	2:16 AM	205x – An <u>extremely</u> dim, small, thin oval, uniformly lit glow.
NGC 987	2:18 AM	205x – An <u>extremely</u> faint, thin oval glow. Small. Has <u>extremely</u> faint stellar core seen once in a while.
NGC 877	2:20 AM	205x – A larger, <u>very</u> faint fat oval. Uniformly lit. Has faint field star just outside glow on lower left side. Had to put a bright field star out of FOV to see this.
NGC 691	2:23 AM	205x – An <u>extremely</u> faint larger oval glow. Looks like it is brightest in center of glow and dims slowly to edge. This is very subtle though.
NGC 803	2:25 AM	205x – An <u>extremely</u> faint, small oval smudge of light.
NGC 1036	2:26 AM	205x – A tiny, roundish ghostly glow of light.
NGC 1056	2:28 AM	205x – A tiny oval glow with small, round core, that is a hare brighter, seen on glow. Halo easy to see w/AV.
NGC 678 NGC 680	2:31 AM	205x – Two galaxies. The upper galaxy, 678, is oval, pretty uniformly lit with hare brighter, small core. Bottom is 680, a round, dim glow with tiny stellar core in center.
		
NGC 697	2:35 AM	205x – <u>Nice!</u> Larger, longer fat edge on. Uniformly lit with hint of hare brighter core. <u>Extremely</u> dim overall.
NGC 673	2:39 AM	205x – An <u>extremely</u> faint larger oval ghostly glow.
NGC 871	2:41 AM	205x – An <u>extremely</u> dim, small, oval, uniformly lit glow.
NGC 1186	2:44 AM	205x – An <u>extremely</u> faint found, uniformly lit glow. Has bright field star offset to left of center on halo glow.

Sky Good. Transparency Good. 45 degrees.

NGC 95	2:58 AM	205x – A small tilted oval with hare brighter central region and much brighter, small core on this. Bit of halo surrounding core.
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Seeing OK. Transparency good.

NGC 57	3:01 AM	205x – A small oval glow. Pretty uniformly lit.
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NGC 193 3:04 AM 205x – A tiny linear smudge of uniformly lit light. To left
 NGC 194 and a bit away is 194, a roundish, tiny, very dim uniformly
 NGC 204 lit glow. Below and near is 204, a tiny linear smudge of
 light.



NGC 182 3:07 AM 205x – A very faint, small roundish uniformly lit smudge
 of light.

NGC 676 3:10 AM 205x – A bright large core that has a tiny bit of very dim
 halo around it and extending 8 – 2 o'clock. Looked like a
 star except for the arms. A thin tilted oval and this bright
 core maybe.

NGC 474 3:13 AM 205x – 474 is a small oval. Very dim. Has a hare brighter
 NGC 470 core area. Then above and a bit to left and near is 470, a
 large, round to oval shaped, uniformly lit dim glow.



NGC 520 3:15 AM 205x – A larger, fat thin cigar shaped oval. Uniformly lit.
 Dim. Goes from 6:30 – 00:30 o'clock in FOV.

NGC 473 3:18 AM 205x – A small dim oval glow with larger, hare brighter
 core.

NGC 467 3:20 AM 205x – A small roundish glow. Dim with hint of core seen.

Seeing OK. Transparency good. 45 degrees. Light wind from south.

NGC 670 3:22 AM 205x – A small, thin edge on. Dim. Central core area
 brighter than thin, very faint tapered arms.

NGC 517 3:25 AM 205x – A small oval, very dim uniformly lit. Hint of core
 seen.

NGC 420 3:27 AM 205x – A tiny oval, very faint glow with hare brighter core
 seen.

NGC 234 3:28 AM 205x – An extremely faint, small, oval, ghostly glow.
 Uniformly lit.

NGC 495	3:30 AM	205x – A tiny oval glow. Dim. Has larger brighter core.
NGC 958	3:34 AM	205x – A larger, thin oval. Long. Uniformly lit.
NGC 600	3:36 AM	205x – A small round glow with larger brighter core.
NGC 210	3:37 AM	205x – A small oval dim glow with brighter stellar core. Dim overall though.
NGC 245	3:39 AM	205x – A larger, <u>extremely</u> faint oval ghostly, uniformly lit glow.

Seeing OK. Transparency OK.

NGC 895	3:41 AM	205x – A larger, uniformly lit, oval to circular shaped, <u>extremely</u> faint smudge of light.
NGC 941	3:44 AM	205x – A larger oval ghostly smudge of light.
NGC 681	3:45 AM	205x – A tiny, oval, <u>extremely</u> dim, uniformly lit glow.
NGC 255	3:47 AM	205x – A larger, roundish, <u>extremely</u> faint smudge of light. Uniformly lit.
NGC 533	3:49 AM	205x – A small oval, <u>very</u> faint glow with hare brighter, small core.
NGC 450	3:51 AM	205x – A larger oval, <u>extremely</u> faint, uniformly lit ghostly smudge of light.
NGC 945	3:53 AM	205x – An <u>extremely</u> faint larger oval, uniformly lit glow.
NGC 268	3:55 AM	205x – An extremely faint, larger oval, uniformly lit smudge of light.
NGC 274	3:57 AM	205x – A <u>very</u> faint, longer, thin oval. Uniformly lit. Has bright field star on upper end of glow.

Saw M42 for first time this season. Jupiter has lots of bands and Venus is a bit greater than ½ gibbous phase.

51 degrees with a brisk wind from South. 4:05 AM am closing down observatory.

Technology is wonderful when it works. About 10 Pm, the sky was clearing and I wanted to observe in the NW. I did a meridian flip from Aquila to Bootes and lost the alignment.

Couldn't realign for next 90 minutes until Darrell came by to help with 2nd star alignment. I tried 3 times on my own and the step I missed was hitting the D- key in the Additional Align sequence. Once aligned at 11:30 PM, I found lots of galaxies the rest of the night. Missed Bootes, Draco and Serpens galaxies which may be lost for this season. Will see next month. Found over 100 galaxies tonight and looked at more old favorites.

Now that I have the alignment steps down, will try to use the observatory scope again. About 10:30 Pm, I was ready to toss in the towel but figured I was doing something wrong, which I was.

We had 20 people at DSS tonight. All pads full. Couple of regulars and most newbies. Some were gone by midnight. Most gone by 2 AM. 3 left at 4 AM.