

Thirty Galaxy Trios

observed by Marie Lott

<u>Trio 01 NGC 48 / 49 / 51</u>	<u>Trio 11 NGC 1721 / 1725 / 1728</u>	<u>Trio 28 NGC 4326 / 4333 / 4339</u>
<u>Trio 02 NGC 127 / 128 / 130</u>	<u>Trio 12 NGC 2292 / 2293 / 2295</u>	<u>Trio 40 NGC 6927 / 6928 / 6929</u>
<u>Trio 03 NGC 138 / 139 / 141</u>	<u>Trio 13 NGC 2375 / 2377 / 2379</u>	<u>Trio 42 NGC 7270 / 7271 / 7275</u>
<u>Trio 04 NGC 142 / 143 / 144</u>	<u>Trio 14 NGC 2385 / 2388 / 2389</u>	<u>Trio 43 NGC 7273 / 7274 / 7276</u>
<u>Trio 05 NGC 232 / 235 / 235°</u>	<u>Trio 15 NGC 2510 / 2511 / 2513</u>	<u>Trio 44 NGC 7445 / 7446 / 7449</u>
<u>Trio 06 NGC 392 / 394 / 397</u>	<u>Trio 17 NGC 2854 / 2856 / 2857</u>	<u>Trio 45 NGC 7463 / 7464 / 7465</u>
<u>Trio 07 NGC 426 / 429 / 430</u>	<u>Trio 18 NGC 2872 / 2873 / 2874</u>	<u>Trio 46 NGC 7499 / 7501 / 7503</u>
<u>Trio 08 NGC 554 / 555 / 556</u>	<u>Trio 24 NGC 3379 (M105)/ 3384 / 3389</u>	<u>Trio 48 NGC 7699 / 7700 / 7701</u>
<u>Trio 09 NGC 1057 / 1060 / 1061</u>	<u>Trio 25 PGC 36723 / 36733 / 36742</u>	<u>Trio 49 NGC 7769 / 7770 / 7771</u>
<u>Trio 10 NGC 1062 / 1066 / 1067</u>	<u>Trio 27 NGC 4278 / 4283 / 4286</u>	<u>Trio 50 NGC 7778 / 7779 / 7781</u>

Telescopes, Exposures, and Locations

Remote telescopes were used through SLOOH unless indicated otherwise. The SLOOH telescopes were either in the Canary Islands at the Observatorio del Teide, Izaña, Tenerife or in Chile at the Santa Martina Observatory, La Dehesa, Santiago, Chile. Full specs on the SLOOH scopes are available [here](#). SLOOH images were captured as multiple (2-6) 50-second luminance exposures, stacked in DeepSkyStacker, run through [FitsScrubber](#), and then had curves or levels tweaked in Photoshop. The resulting images were inverted for display here. All SLOOH images are oriented with North up and East left.

Astrometry was performed at nova.astronomy.net

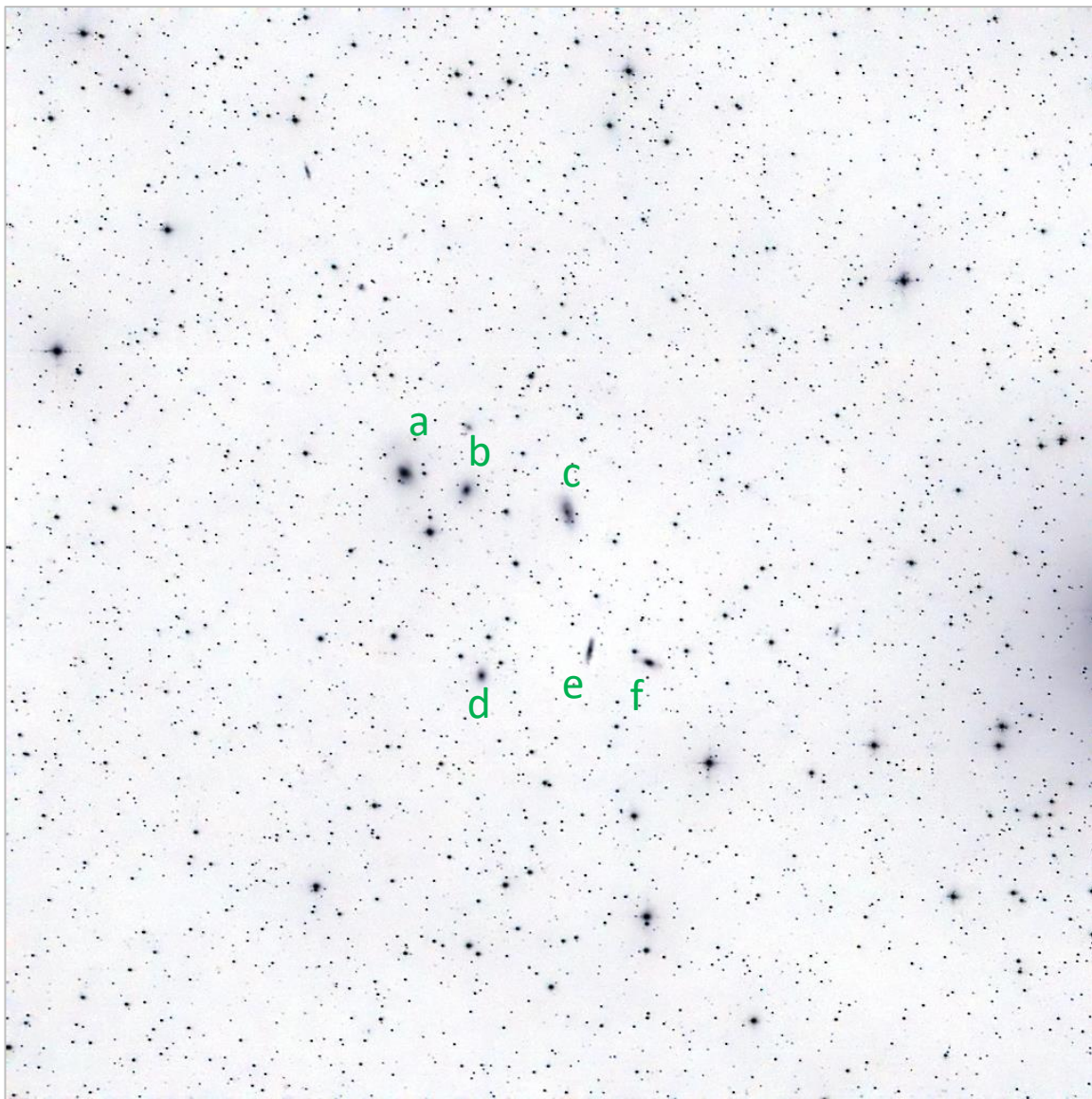
Magnitudes are taken from Sky Safari; in many cases these are dimmer than those listed in the program booklet.

- Canary One: 20" CDK, FLI PL09000 camera
- Canary Two: 17" CDK, FLI PL16803 camera
- Chile Two: 17" CDK, FLI PL16803 camera
- Deerlick Astronomy Village ("DAV") in Sharon GA: 8" SCT with Mallincam DS10c camera

Trio 01

NGC 48 / 49 / 51 in Andromeda

2023-09-21 02:00Z, SLOOH Canary One



Submitted by anonymous (1) on 2023-11-18T02:05:30Z as "Trio_01.NGC48.NGC49.N..bw.jpg" (Submission 8771193) under Attribution 3.0 Unported
Job Status
Job 9498322: Success
Calibration
Center (RA, Dec): (3.522, 48.211)
Center (RA, hrs): 00 ^h 14 ^m 05.174 ^s
Center (Dec, dms): +48° 12' 40.664"
Size: 36.5 x 36.5 arcmin
Radius: 0.430 deg
Pixel scale: 2.15 arcsec/pixel
Orientation: Up is 359.4 degrees E of N
WCS file: wcs.fits
New FITS image: new-image.fits
Reference stars nearby (RA,Dec table): rds.fits
Stars detected in your images (x,y table): axy.fits
Correspondences between image and reference stars (table): corr.fits
Legacy Surveys sky browser: browse the sky
KM7 (Google Sky): image.km7

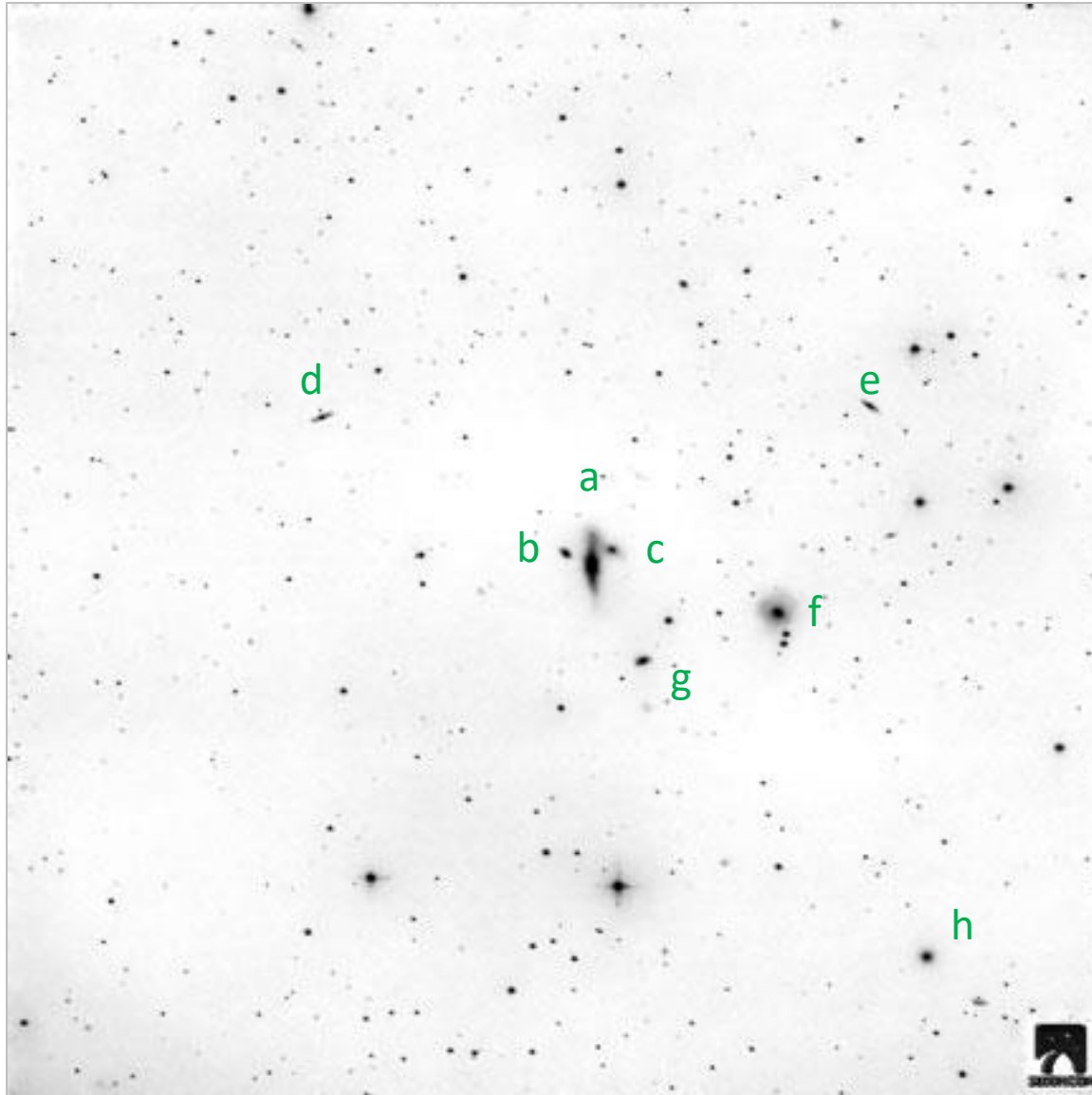
- a) NGC 51, mag 14.4
- b) NGC 49, mag 15.2
- c) NGC 48 mag 14.9
- d) IC 1536, mag 15.5
- e) IC 1535, mag 15.1
- f) IC 1534, mag 15.1

A nice trio of spiral galaxies (a,b,c) lined up diagonally. A set of three smaller IC galaxies (d,e,f) lie below.

Trio 02

NGC 127 / 128 / 130 in Pisces

2023-10-14 22:10Z SLOOH Canary One



Submitted by anonymous (1)
on 2023-11-14T02:06:07Z
as "NGC 128.jpg" (Submitter:
8771302)
web: attribute 3:0 Unported

Job Status

Job 5496490:
Success

Calibration

Center (RA, Dec): (7.731, 2.872)
Center (RA, Dec): (00^h 29^m 26.02^s)
Dorf: (Dec, Size): (+02^o 52' 17.624")
Size: 36.5 x 36.5 arcmin
Radius: 0.833 deg
Pixel scale: 2.15 arcsec/pixel
Orientation: Up is 260.4 degree
WCS file: wcs.fits
New FITS image: new_image.fits
Reference stars only (RA, Dec): rds.fits
Stars detected in your images (x, y): sds.fits
Correspondences between image and reference stars (table): cor.fits
Legacy Survey's sky browser: browse_the_sky
KAT/Drizzle Sky: browse_sky

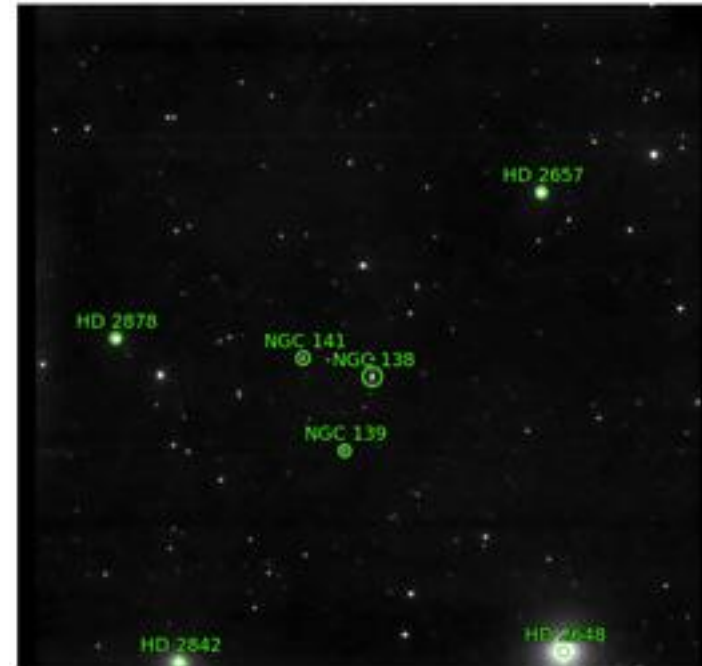
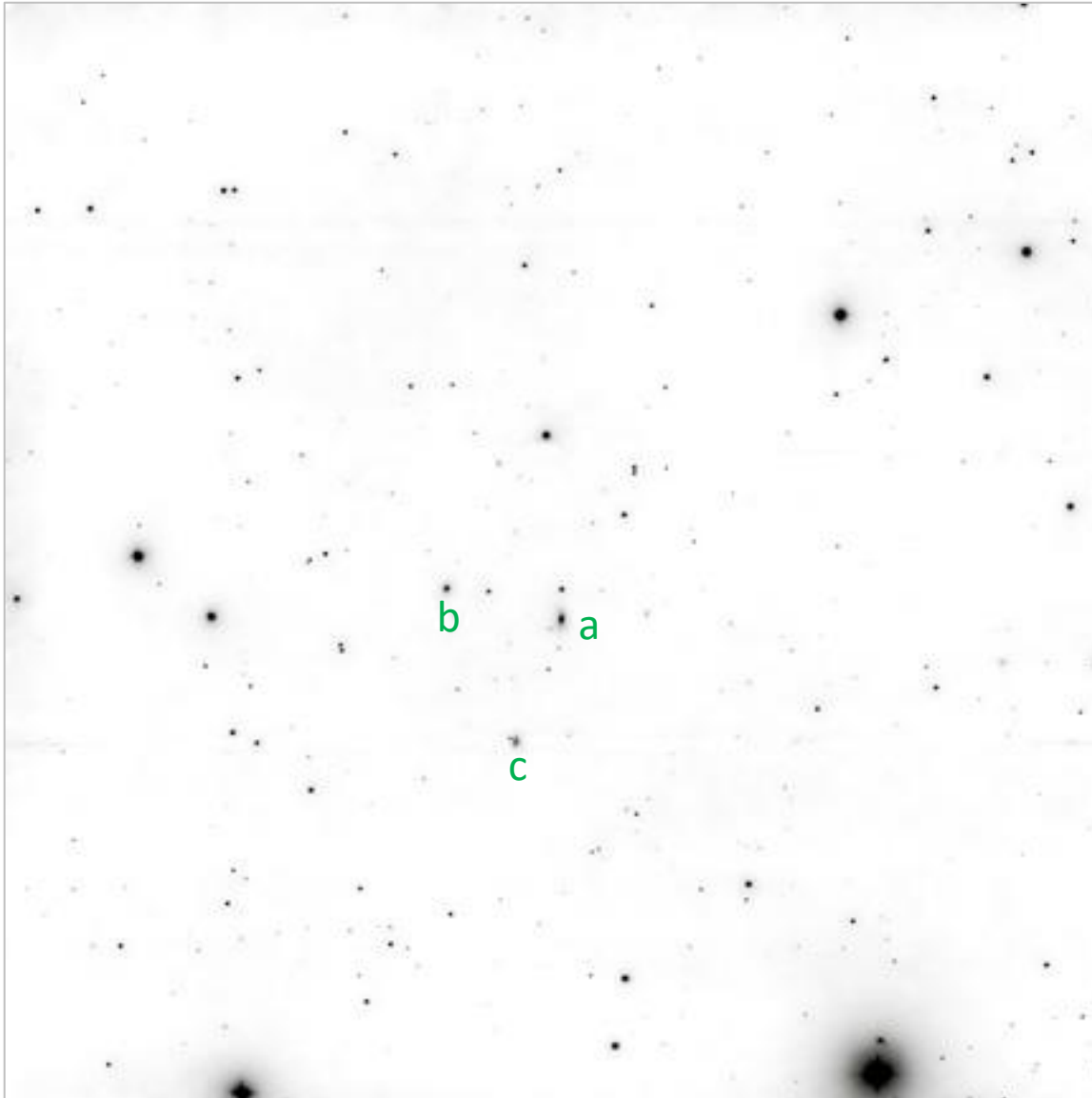
- a) NGC 128, mag 11.6
- b) NGC 130, mag 14.8
- c) NGC 127, mag 15.3
- d) UGC 298, mag 16.0
- e) PGC 1760, mag 15.9
- f) NGC 125, mag 12.4
- g) NGC 126, mag 15.4
- h) IC 17, mag 14.8

This trio features a long spiral (a) standing on its tail with two tiny dot-like companions (b,c) to its immediate east and west. Five other small galaxies (d-h) are easily spotted in the field.

Trio 03

NGC 138 / 139 / 141 in Pisces

2023-11-06 03:05Z SLOOH Chile Two



Submitted by anonymous (t)
on 2023-11-07 00:54:37Z
as "NGC138.2023.11.06.P5...mp.jpg"
(Submission 8702812)
under Attribution 3.0 Unported

Job Status

Job 9431262:
Success

Calibration

Center (RA, Dec): (7.762, 5.204)
Center (RA, hrs): 00^h 31^m 00.495^s
Center (Dec, deg): +05° 12' 14.992"
Size: 43.5 x 43.5 arcmin
Radius: 0.519 deg
Pixel scale: 1.27 arcsec/pixel
Orientation: Up is 359.7 degrees
E of N
WCS file: [wcs.fits](#)
New FITS image: [new-image.fits](#)
Reference stars
nearby (RA,Dec
table):
Stars detected in
your images (x,y
table):
Correspondences
between image and
reference stars
(table): [corr.fits](#)
Legacy Survey's sky
browser: [browse the sky](#)
KMZ (Google Sky): [image.kmz](#)

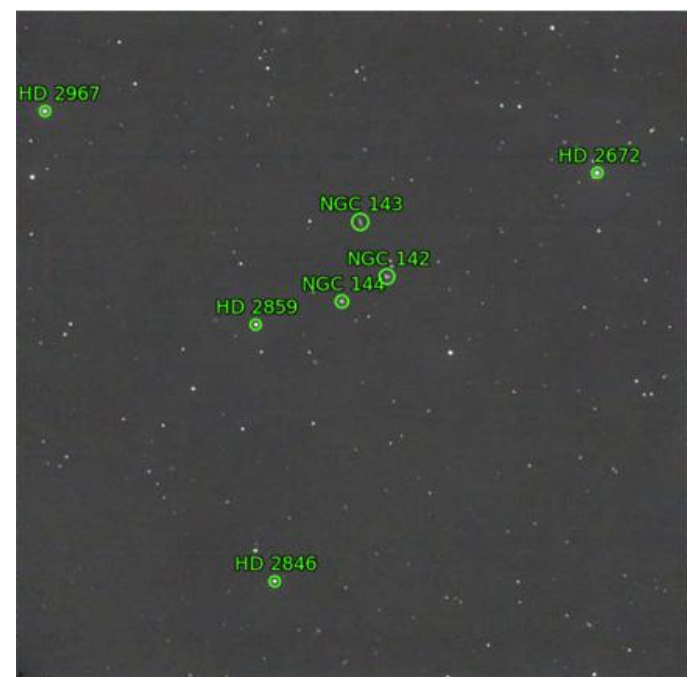
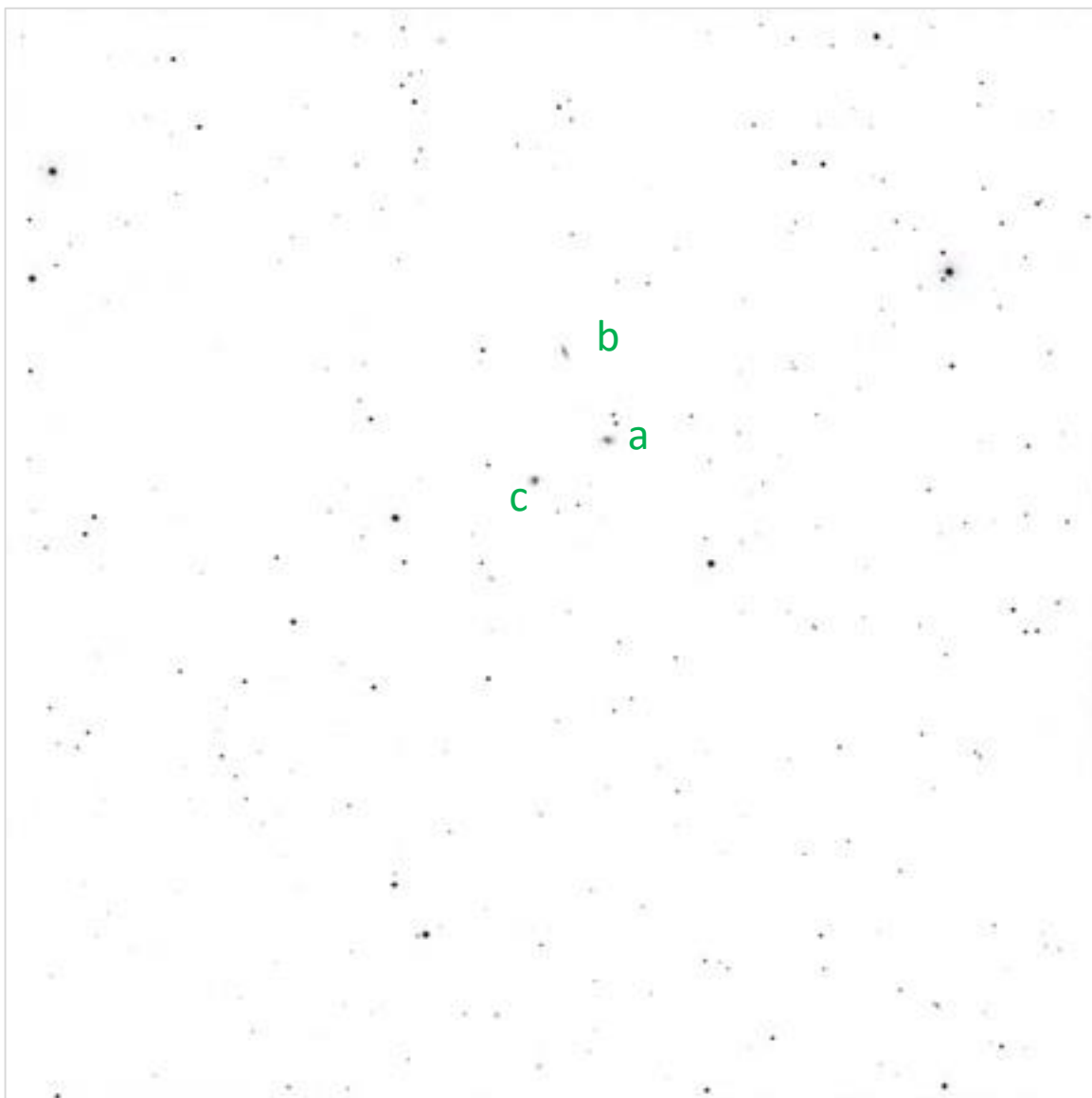
- a) NGC 138, mag 14.7
- b) NGC 139, mag 15.4
- c) NGC 141, mag 15.3

This is a threesome of small spiral galaxies, difficult initially to pick out due to the brighter stars in the field. The trio is 560-660 Mly away.

Trio 04

NGC 142 / 143 / 144 in Cetus

2023-09-15 02:05Z SLOOH Chile Two



Submitted by anonymous (1)
on 2023-11-18T22:33:45Z
as "NGC142-16bit.jpg" (Submission
8774958)
under Attribution 3.0 Unported

Job Status

Job 9502067:
Success

Calibration

Center (RA, Dec): (7.824, -22.695)
Center (RA, hms): 00^h 31^m 17.714^s
Center (Dec, dms): -22° 41' 41.778"
Size: 43.5 x 43.5 arcmin
Radius: 0.513 deg
Pixel scale: 1.91 arcsec/pixel
Orientation: Up is 359.9 degrees
E of N
WCS file: [wcs.fits](#)
New FITS image: [new-image.fits](#)
Reference stars
nearby (RA,Dec
table): [rdis.fits](#)
Stars detected in
your images (x,y
table): [axy.fits](#)
Correspondences
between image and
reference stars
(table): [corr.fits](#)
Legacy Surveys sky
browser: [browse the sky](#)
M37 (Cetus Star): [image fits](#)

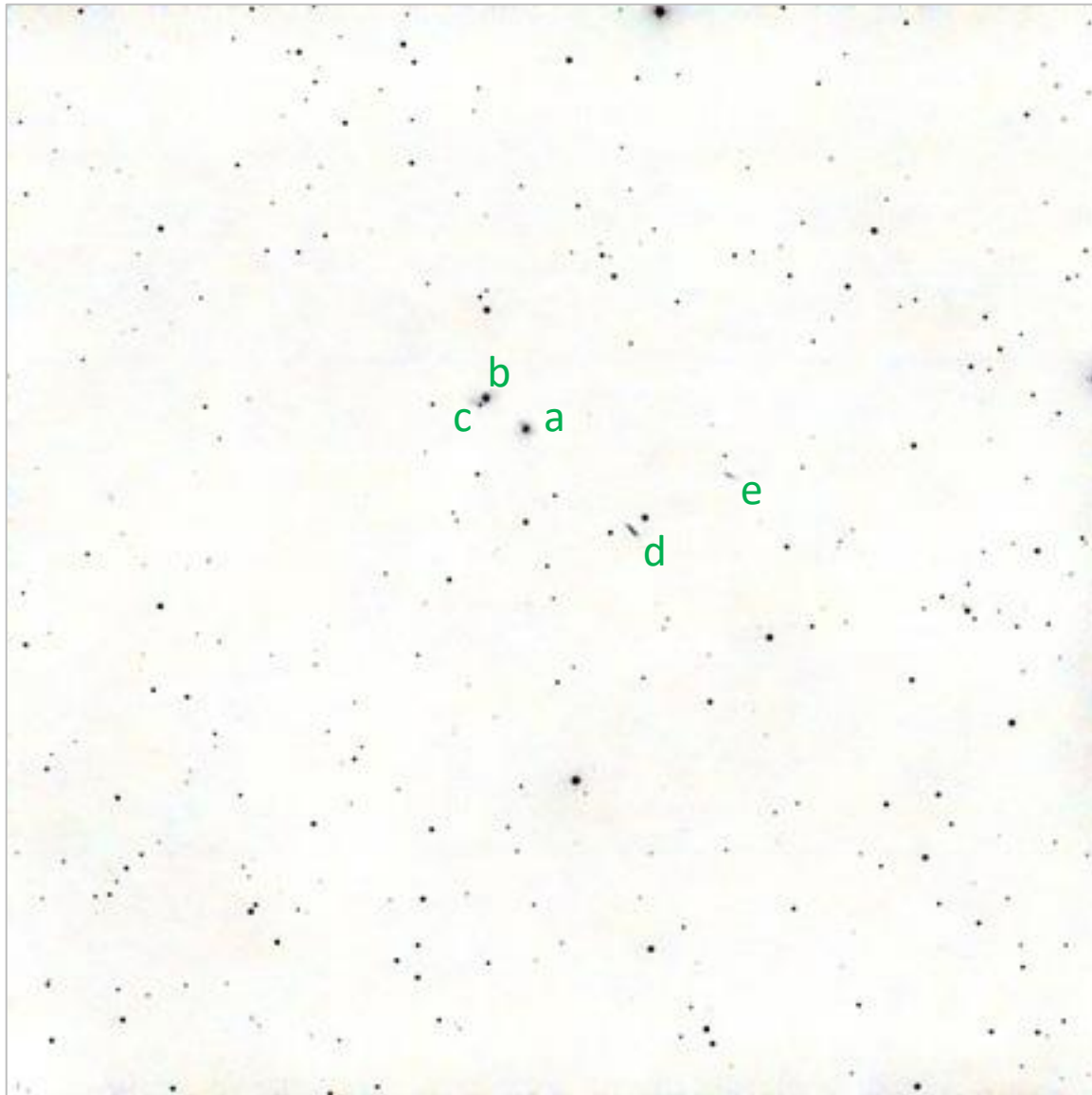
- a) NGC 142, mag 14.6
- b) NGC 143, mag 15.3
- c) NGC 144, mag 14.4

This is another trio of small spiral galaxies in an unremarkable field. All are 380 Mly away.

Trio 05

NGC 232 / 235 / 235A in Cetus

2023-10-19 07:15Z SLOOH Chile Two



Submitted by anonymous (1)
on 2023-11-17 01:16:00
as "351DC08-1.jpg" (Submission 8779626)
under Attribution 3.0 Unported
Job Status
Job 9502734
Success
Calibration
Center (RA, Dec): (10.671, -23.642)
Center (RA, hrs): 00 ^h 42 ^m 41.158 ^s
Center (Dec, dms): -23° 38' 32.518"
Size: 43.5 x 43.5 arcmin
Radius: 0.513 deg
Pixel scale: 1.91 arcsec/pixel
Orientation: Up is 359.8 degrees E of N
WCS file: wcs.fits
New FITS image: new_image.fits
Reference stars nearby (RA, Dec table): rds.fits
Stars detected in your images (x,y table): sky.fits
Correspondences between image and reference stars (table): corr.fits
Legacy Surveys sky browser: browse_the_sky

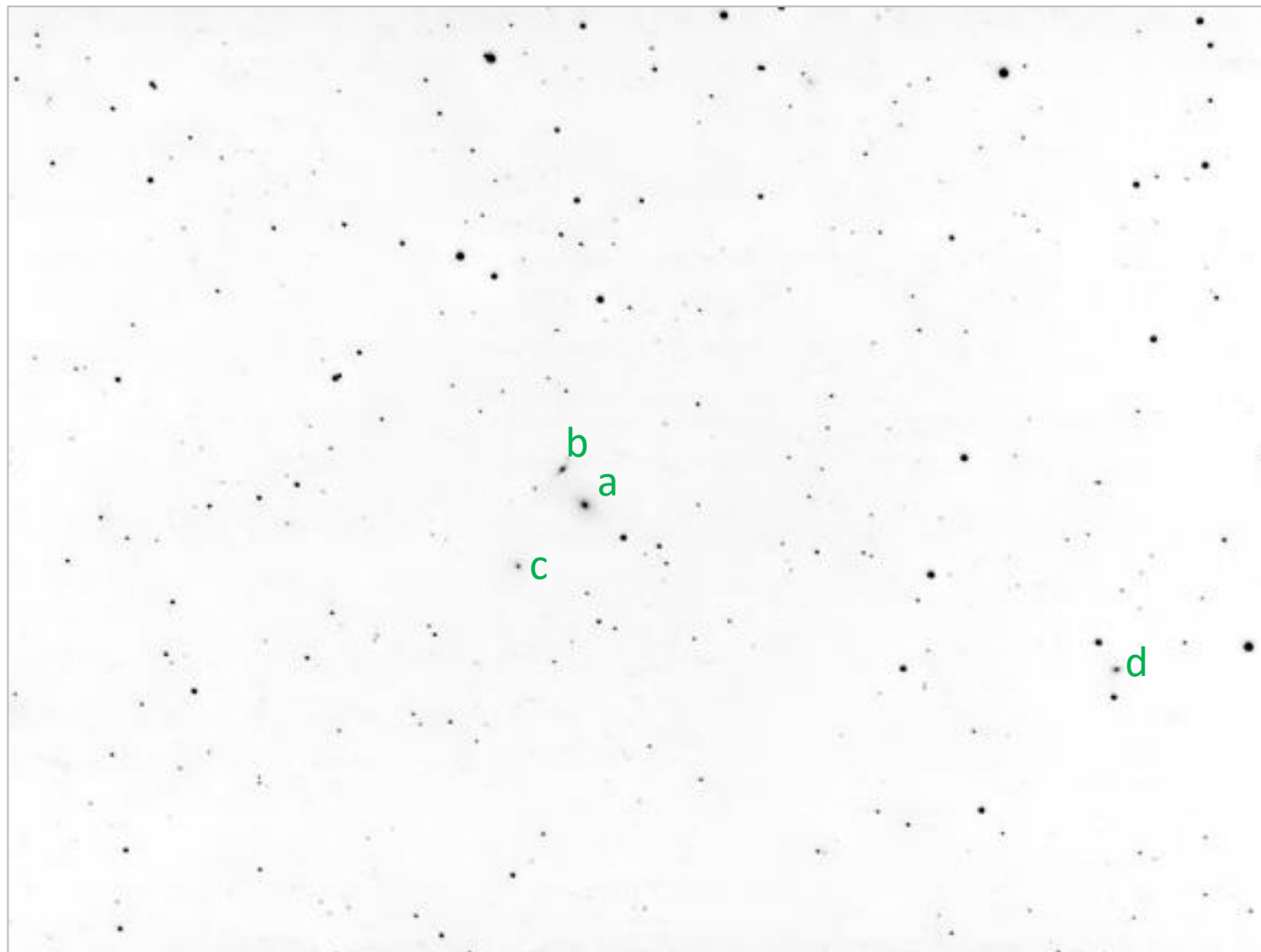
- a) NGC 232, mag 14.45
 - b) NGC 235, mag 13.15*
 - c) NGC 235A, mag unk./
NGC235B, mag14.01
 - d) NGC 230, mag 15.60
 - e) IC 1573, mag 16.69
- *PGC2569? in Sky Safari

This is another trio of small spiral galaxies, interesting because bright NGC 235 is sitting right on top of more diffuse NGC 235A. The NGC235/ 235A pair is 310 Mly away but nearby NGC232 is closer at 270 Mly. Two other tiny galaxies are to the lower right (SW).

Trio 06

NGC 392 / 394 / 397 in Pisces

2023-10-08 12:52:08 EDT C8+DS10C, DAV, Sharon GA



Submitted by anonymous (1)
on 2023-10-09T00:03:14Z
as "Autosave.NGC392.jpg"
(Submission 8567882)
under Attribution 3.0 Unported

Job Status

Job 9298652:
Success

Calibration

Center (RA, Dec): (17.071, 33.143)
Center (RA, hms): 01^h 08^m 17.124^s
Center (Dec, dms): +33° 08' 35.832"
Size: 30.4 x 22.8 arcmin
Radius: 0.316 deg
Pixel scale: 0.985 arcsec/pixel
Orientation: Up is 0.1 degrees E of N
WCS file: wcs.fits
New FITS image: new-image.fits
Reference stars nearby (RA,Dec table): rdis.fits

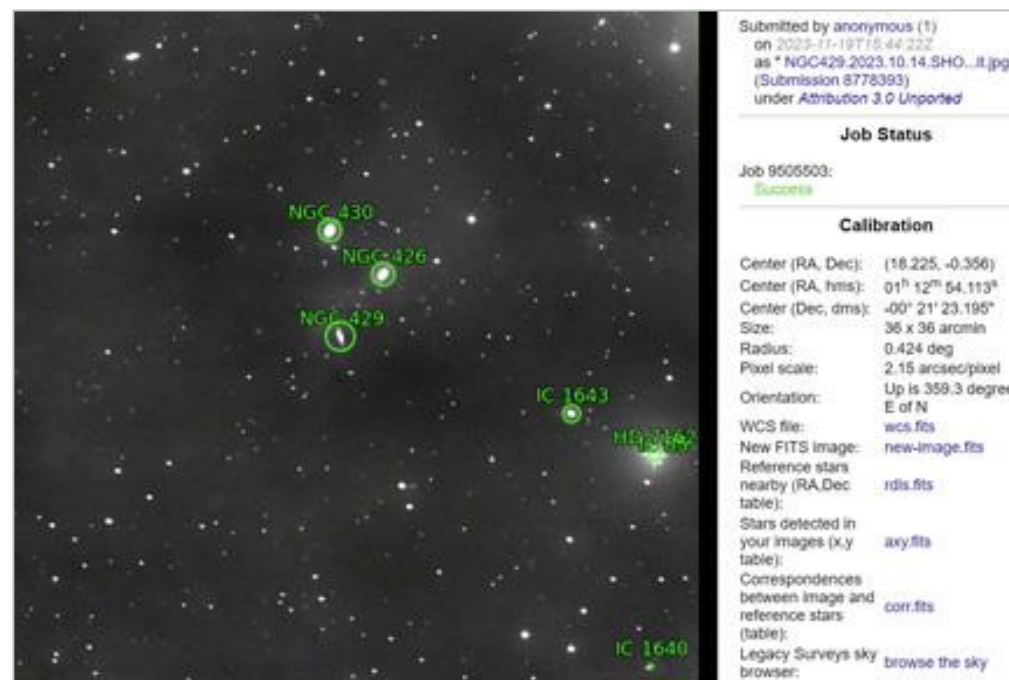
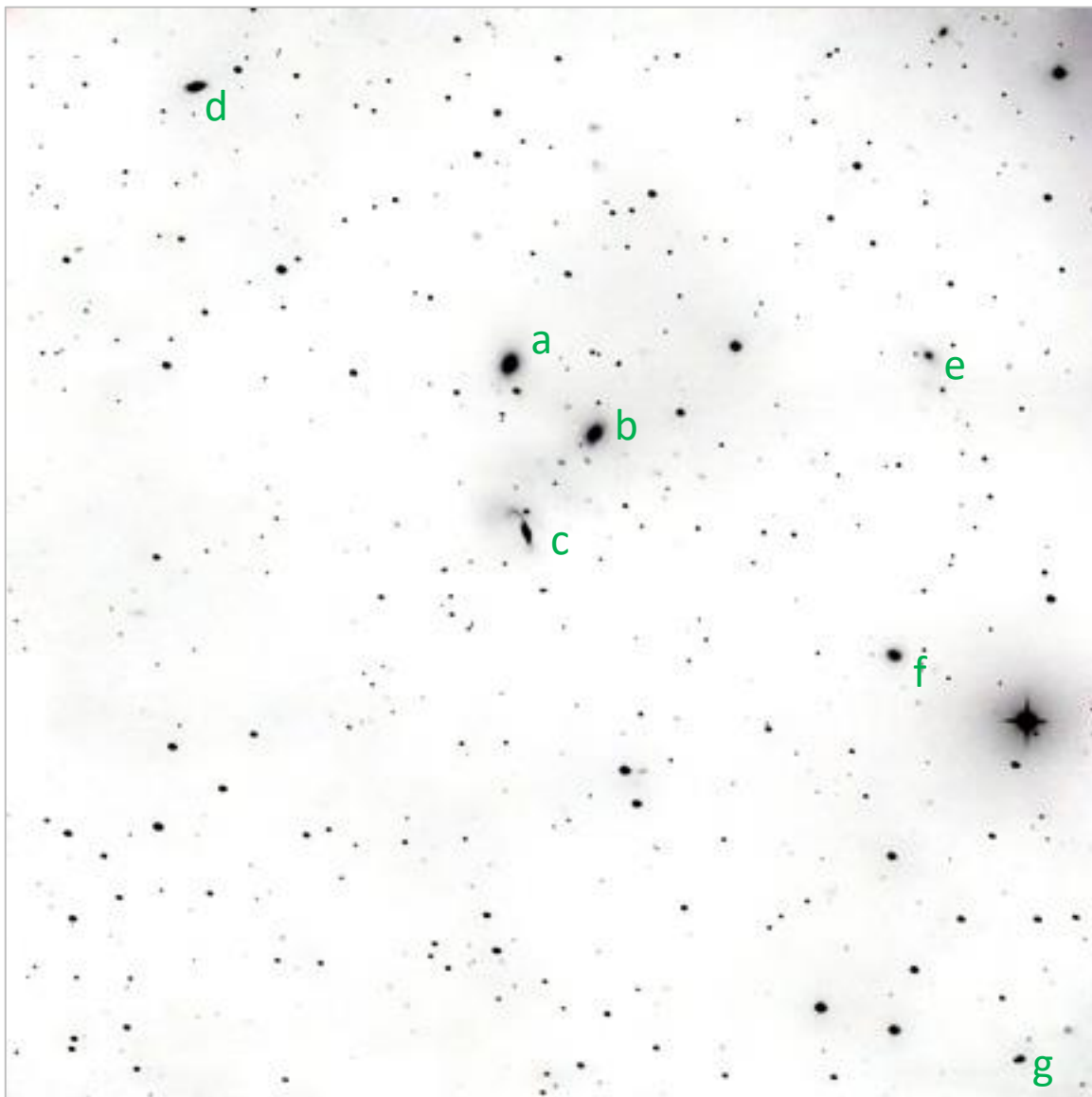
- a) NGC 392, mag 12.6
- b) NGC 394, mag 14.8
- c) NGC 397, mag 15.7
- d) IC 1619, mag 15.35

The brightest of this trio galaxies would blend into the field except for its fuzziness as it is the same magnitude as the three evenly spaced stars lined up to the west (right). The other two galaxies in the target trio are each slightly smaller than the one before. A little IC galaxy lies to the lower right.

Trio 07

NGC 426 / 429 / 430 in Cetus

2023-10-14 04:50Z Canary One



Submitted by anonymous (1)
on 2023-11-19T15:44:22Z
as "NGC429:2023.10.14.SHO..it.jpg"
(Submission 8778393)
under Attribution 3.0 Unported

Job Status

Job 9506503:

[Success](#)

Calibration

Center (RA, Dec): (18.225, -0.356)
Center (RA, hms): 01^h 12^m 54.113^s
Center (Dec, dms): -00° 21' 23.195"
Size: 36 x 36 arcmin
Radius: 0.424 deg
Pixel scale: 2.15 arcsec/pixel
Orientation: Up is 359.3 degrees
E of N
WCS file: [wcs.fits](#)
New FITS image: [new-image.fits](#)
Reference stars
nearby (RA,Dec
table): [rdls.fits](#)
Stars detected in
your images (x,y
table): [axy.fits](#)
Correspondences
between image and
reference stars
(table): [cor.fits](#)
Legacy Surveys sky
browser: [browse the sky](#)

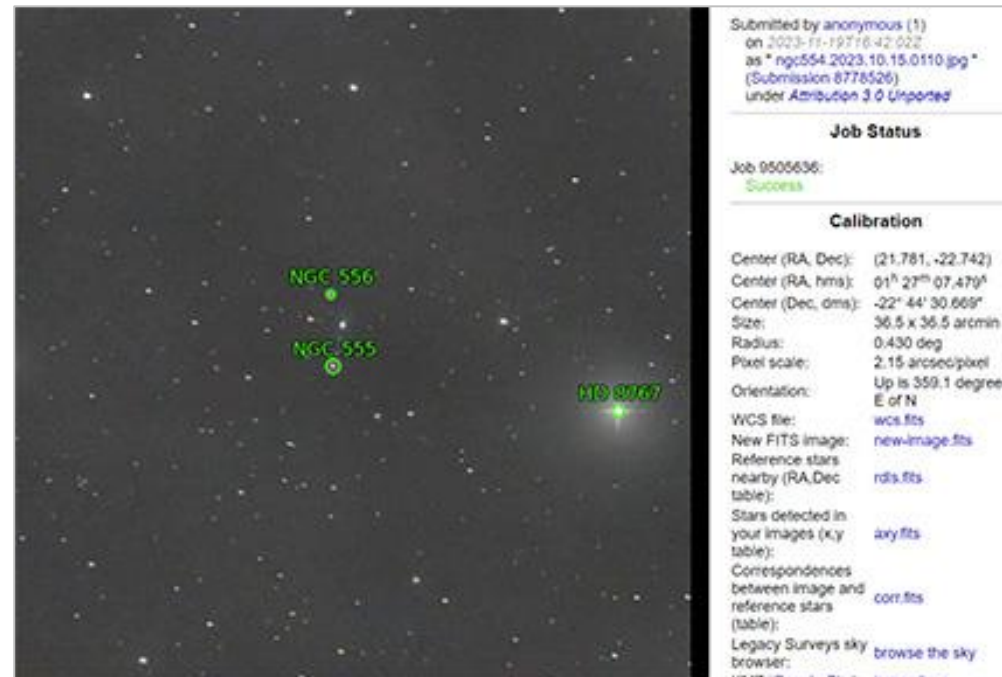
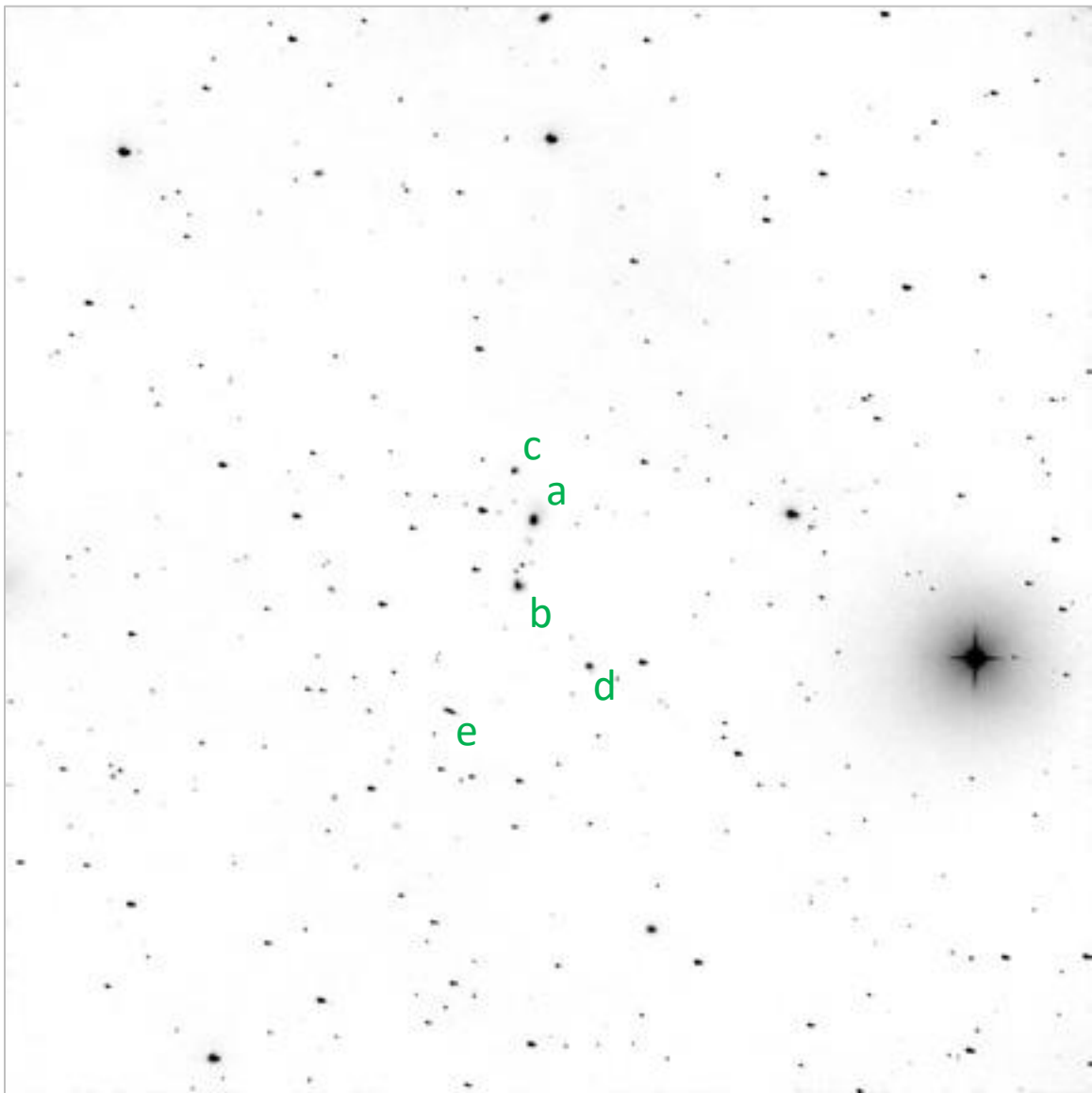
- a) NGC 430, mag 12.4
- b) NGC 426, mag 12.8
- c) NGC 429, mag 14.5
- d) UGC 771, mag 14.9
- e) UGC 753, mag 16.0
- f) IC 1643, mag 15.2
- g) UGC 1640, mag 15.5

This target is a relatively bright trio consisting of two ellipticals (a,b) and a spiral (c). The latter has a cute little arm spurting off the top. Other galaxies mag 16 or brighter are labeled, but numerous fainter smudges can be detected in the northern (top) third of the field.

Trio 08

NGC 554 / 555 / 556 in Cetus

2023-10-15 01:10Z Canary One

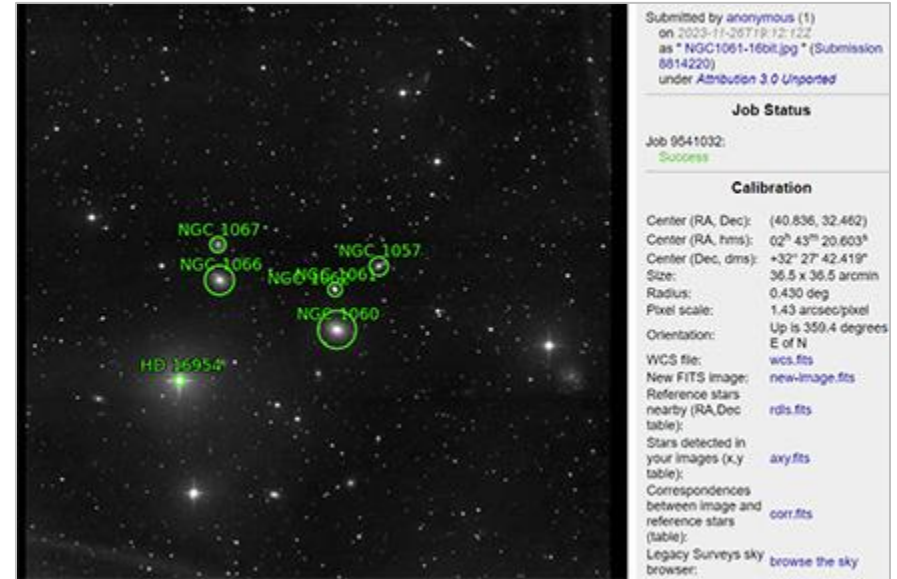
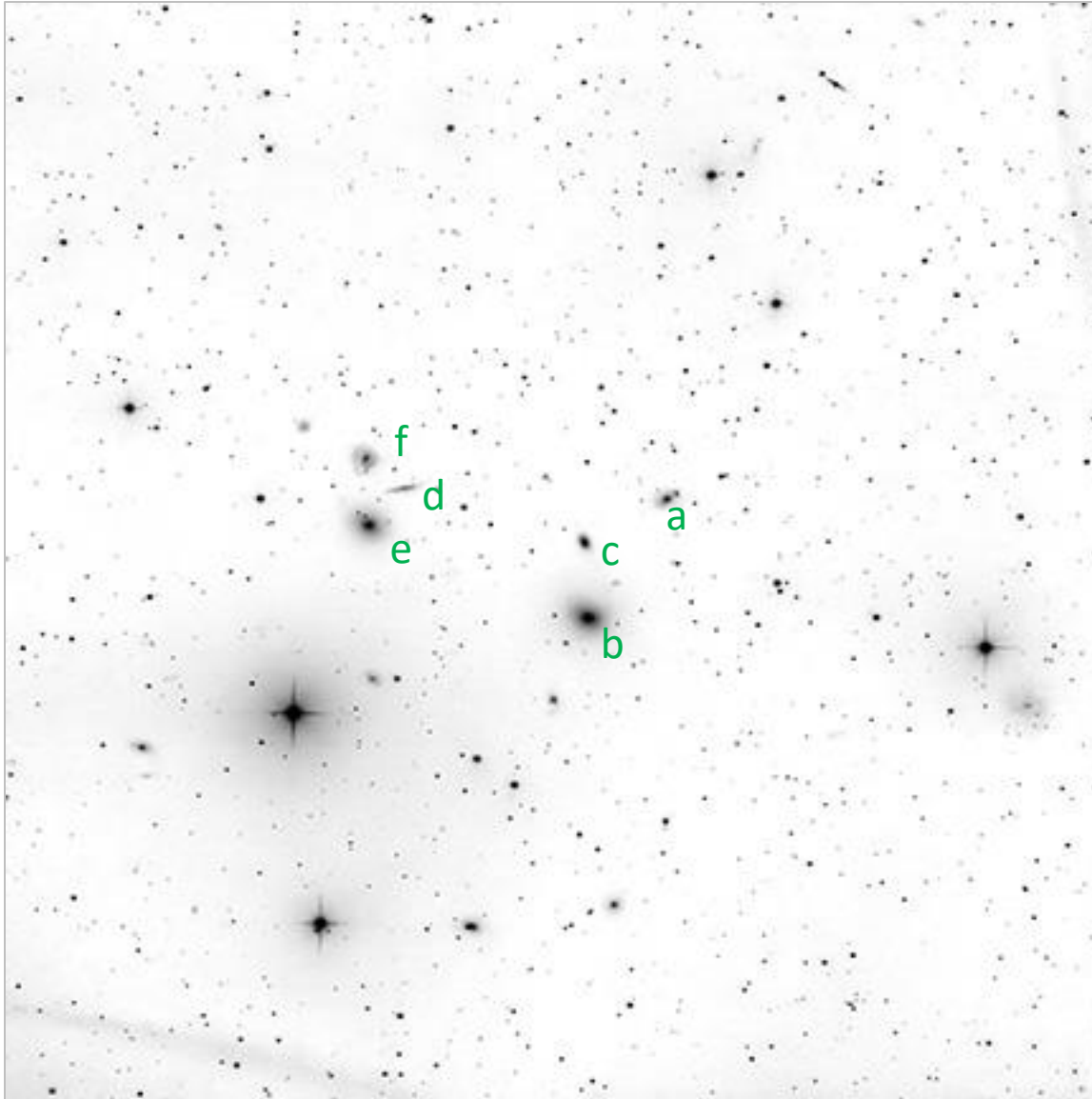


- a) NGC 554, mag 13.6
- b) NGC 555, mag 15.3
- c) NGC 556, mag 15.6
- d) PGC 1333780, mag 16.2
- e) PGC 133779, mag 16.3

This is a diminutive trio dangling in a loose string, with only one member brighter than mag 14. Two other tiny PGC galaxies continue the drizzle downwards. A nice mag 7 star, HD 8767, brightens up the field.

Trio 09: NGC 1057 / 1060 / 1061 in Triangulum Trio 10: NGC 1062 / 1066 / 1067 in Triangulum

2023-11-19 23:30Z Canary One



- a) NGC 1057, mag 15.7
- b) NGC 1060, mag 13.0
- c) NGC 1061, mag 15.1

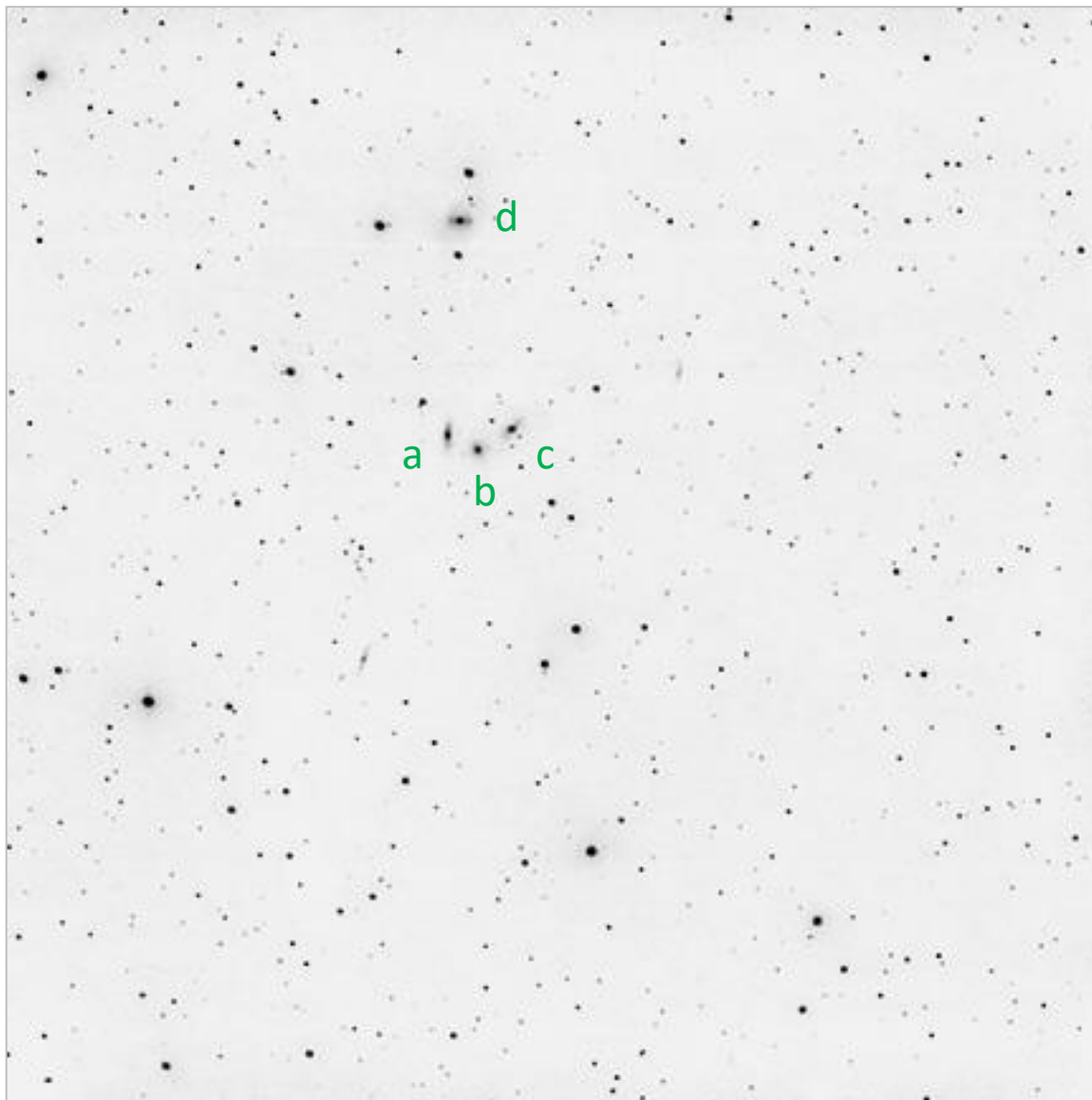
- d) NGC 1062, mag 15.6
- e) NGC 1066, mag 14.3
- f) NGC 1067, mag 14.6

These two trios make such a pretty grouping! Other small fuzzies can also be detected in the field. I especially like little NGC 1062 (d), a dainty edge-on spiral.

Trio 11

NGC 1721 / 1725 / 1728 in Eridanus

2023-10-19 03:45Z Chile Two



Submitted by anonymous (1) on 2023-11-19T17:12:50Z as "NGC1721+1688.jpg" (Submission 8778604) under Attribution 3.0 Unported
Job Status
Job 9505714: Success
Calibration
Center (RA, Dec): (74.704, -11.202)
Center (RA, hms): 04 ^h 59 ^m 10.445 ^s
Center (Dec, dms): -11° 12' 08.614"
Size: 43.5 x 43.5 arcmin
Radius: 0.513 deg
Pixel scale: 1.28 arcsec/pixel
Orientation: Up is 350.9 degrees E of N
WCS file: wcs.fits
New FITS image: new-image.fits
Reference stars nearby (RA,Dec table): rds.fits
Stars detected in your images (x,y table): axy.fits
Correspondences between image and reference stars (table): corr.fits
Legacy Surveys sky browser: browse the sky

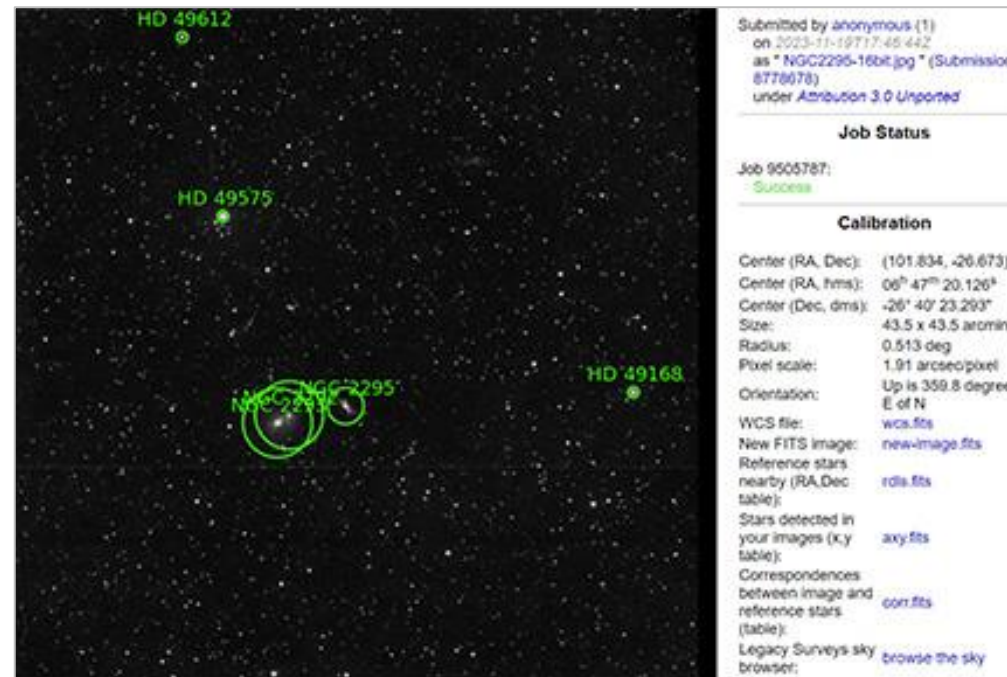
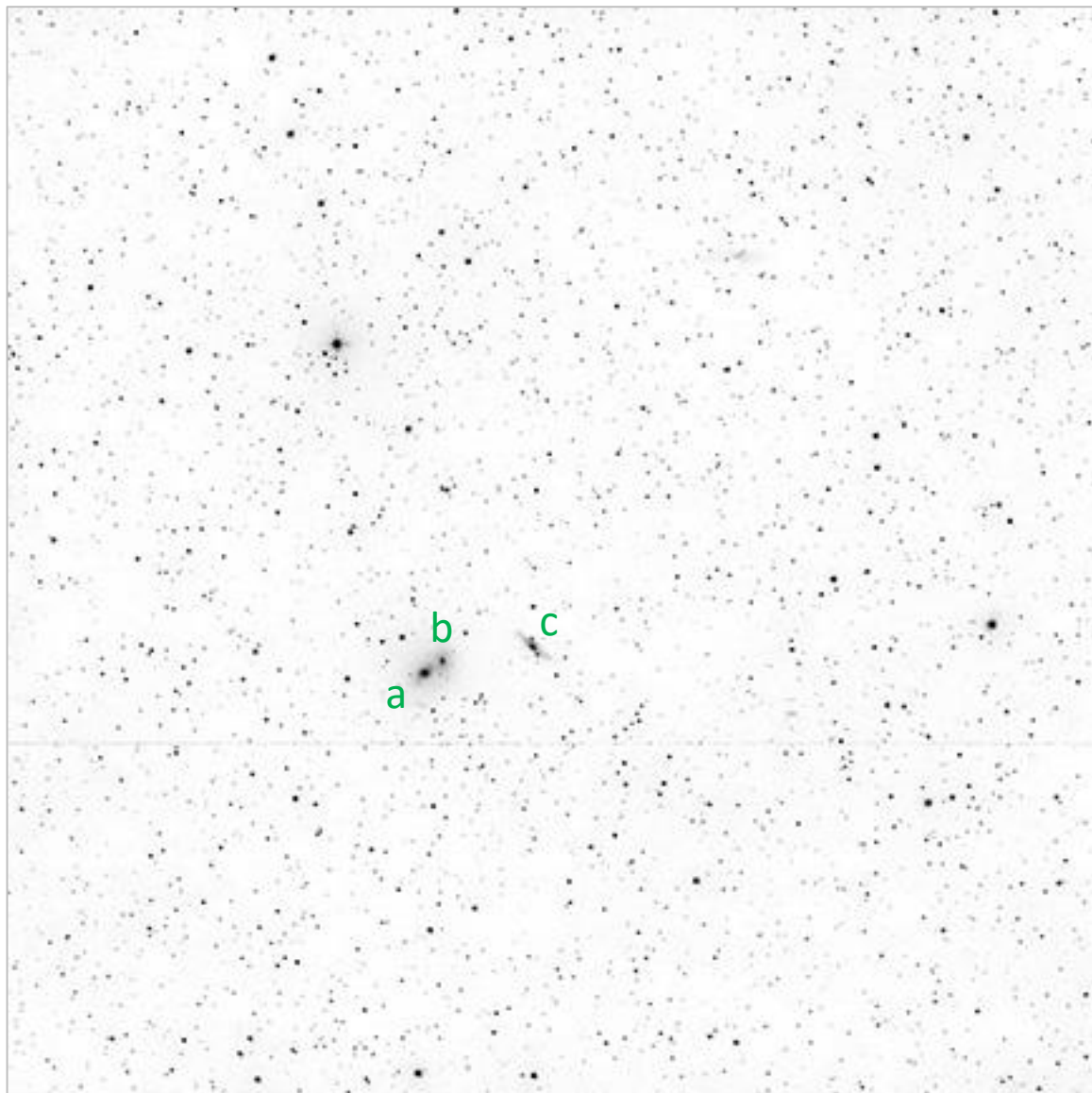
- a) NGC 1728, mag ~13
- b) NGC 1725, mag 12.6
- c) NGC 1721, mag 12.8
- d) NGC 1723, mag 12.5

This target is a striking little galaxy trio arranged in a triangle. Above them is another triangle (but one made of stars) with propeller-like NGC 1723 inside.

Trio 12

NGC 2292 / 2293 / 2295 in Canis Major

2023-02-26 04:05Z Chile Two



Submitted by anonymous (1)
on 2023-11-19T17:45:44Z
as "NGC2295-16bit.jpg" (Submission
8776078)
under Attribution 3.0 Unported

Job Status

Job 9505787:
Success

Calibration

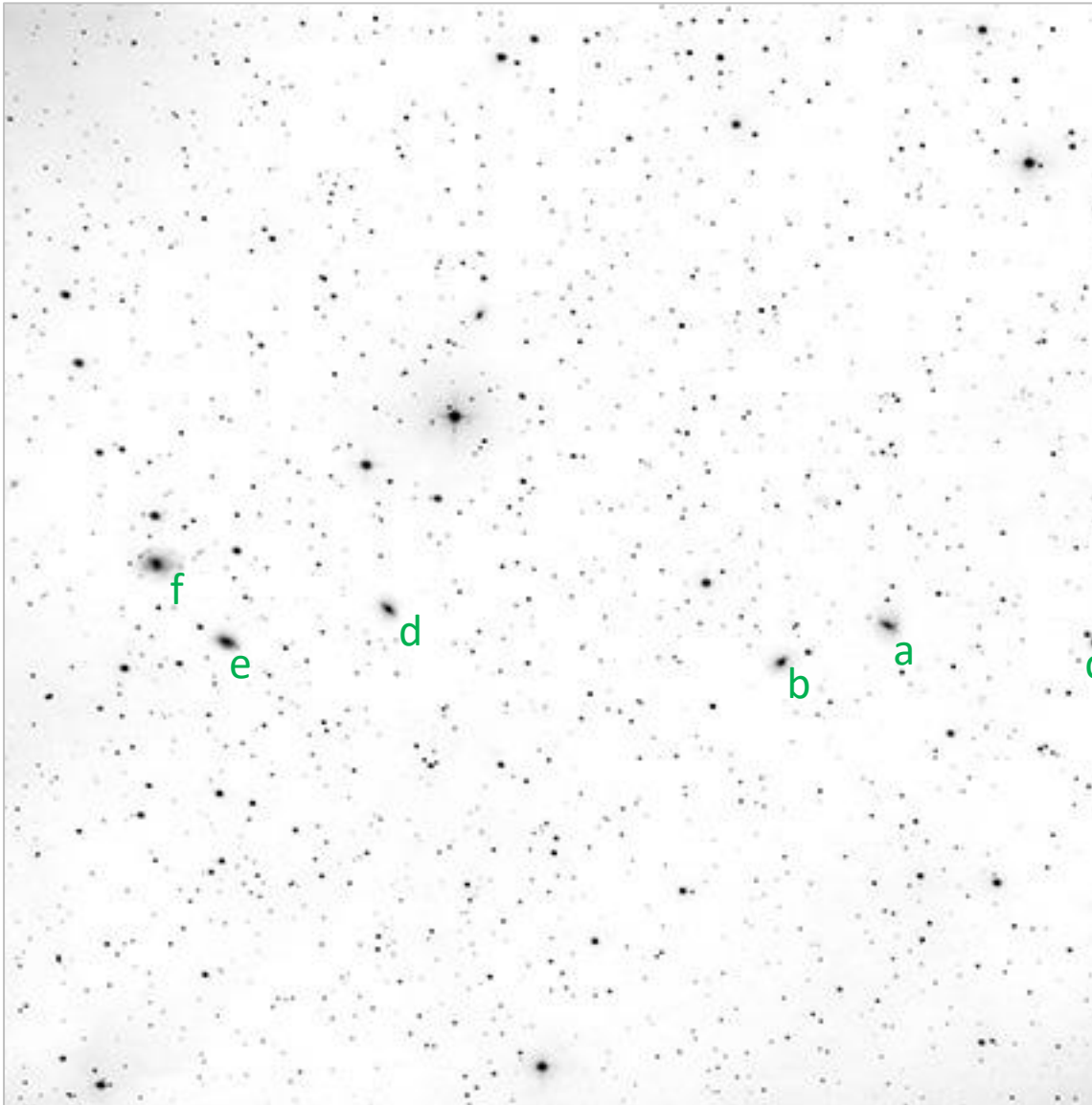
Center (RA, Dec):	(101.834, -26.673)
Center (RA, hms):	06 ^h 47 ^m 20.126 ^s
Center (Dec, dms):	-26° 40' 23.293"
Size:	43.5 x 43.5 arcmin
Radius:	0.513 deg
Pixel scale:	1.91 arcsec/pixel
Orientation:	Up is 359.8 degrees E of N
WCS file:	wcs.fits
New FITS image:	new-image.fits
Reference stars nearby (RA,Dec table):	rdls.fits
Stars detected in your images (x,y table):	axy.fits
Correspondences between image and reference stars (table):	con.fits
Legacy Surveys sky browser:	browse the sky

- a) NGC 2293, mag 11.1
- b) NGC 2292, mag 11.8
- c) NGC 2295, mag 13.6

This trio stands out in the busy starfield only because most of the surrounding stars are so very tiny - it's as if the galaxies are sitting in a spill of fine grained salt

Trio 13 (right, a-b-c): NGC 2373 / 2375 / 2379 in Gemini Trio 14 (left, d-e-f): NGC 2385 / 2388 / 2389 in Gemini

2023-11-12 00:40Z Canary One



Submitted by anonymous (1) on 2023-11-19T20:07:44Z as "Trio13_Trio14_NGC2388...t.jpg" (Submission 8779354) under Attribution 3.0 Unported	
Job Status	
Job 9506461:	Success
Calibration	
Center (RA, Dec):	(112.009, 33.868)
Center (RA, hms):	07 ^h 28 ^m 02.248 ^s
Center (Dec, dms):	+33° 52' 04.709"
Size:	35.8 x 36 arcmin
Radius:	0.423 deg
Pixel scale:	1.43 arcsec/pixel
Orientation:	Up is 359.3 degree E of N
WCS file:	wcs.fits
New FITS image:	new-image.fits
Reference stars nearby (RA,Dec table):	refs.fits
Stars detected in your images (x,y table):	axy.fits
Correspondences between image and reference stars (table):	corr.fits
Legacy Surveys sky browser:	browse the sky

- a) NGC 2375, mag 14.9
- b) NGC 2379, mag 14.6
- c) NGC 2373, mag 14.6

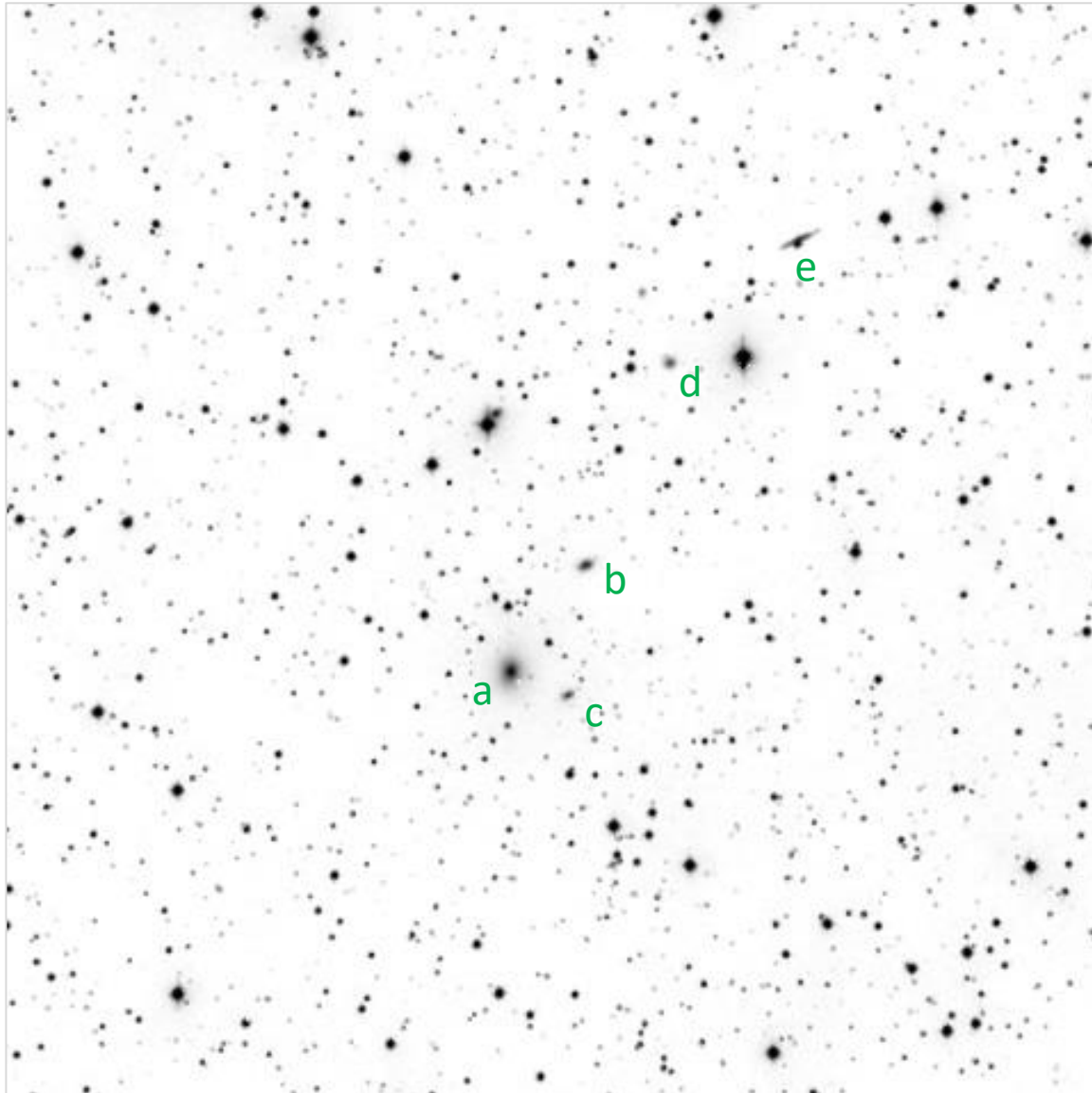
- d) NGC 2385, mag 15.1
- e) NGC 2388, mag 14.6
- f) NGC 2389, mag 12.8

I was determined to fit these two galaxy trios into the same field of view (just barely made it!) All six are spirals. Trio 13 (right) forms a simple bowed arch. Trio 14 (left), as grouped visually with its neighboring brighter stars, reminds me a lot of M45.

Trio 15

NGC 2510 / 2511 / 2513 in Canis Minor

2023-11-11 02:30Z Canary 2 ultrawide, cropped



Submitted by anonymous (1) on 2023-11-19T21:10:20Z as "NGC2510.cropped.jpg" (Submission 8779632) under Attribution 3.0 Unported	
Job Status	
Job 9506739: Success	
Calibration	
Center (RA, Dec):	(120.567, 9.498)
Center (RA, hms):	08 ^h 02 ^m 16.120 ^s
Center (Dec, dms):	+09° 29' 51.003"
Size:	46.6 x 46.6 arcmin
Radius:	0.550 deg
Pixel scale:	5.84 arcsec/pixel
Orientation:	Up is 3.3 degrees E of N
WCS file:	wcs.fits
New FITS image:	new-image.fits
Reference stars nearby (RA,Dec table):	rdis.fits

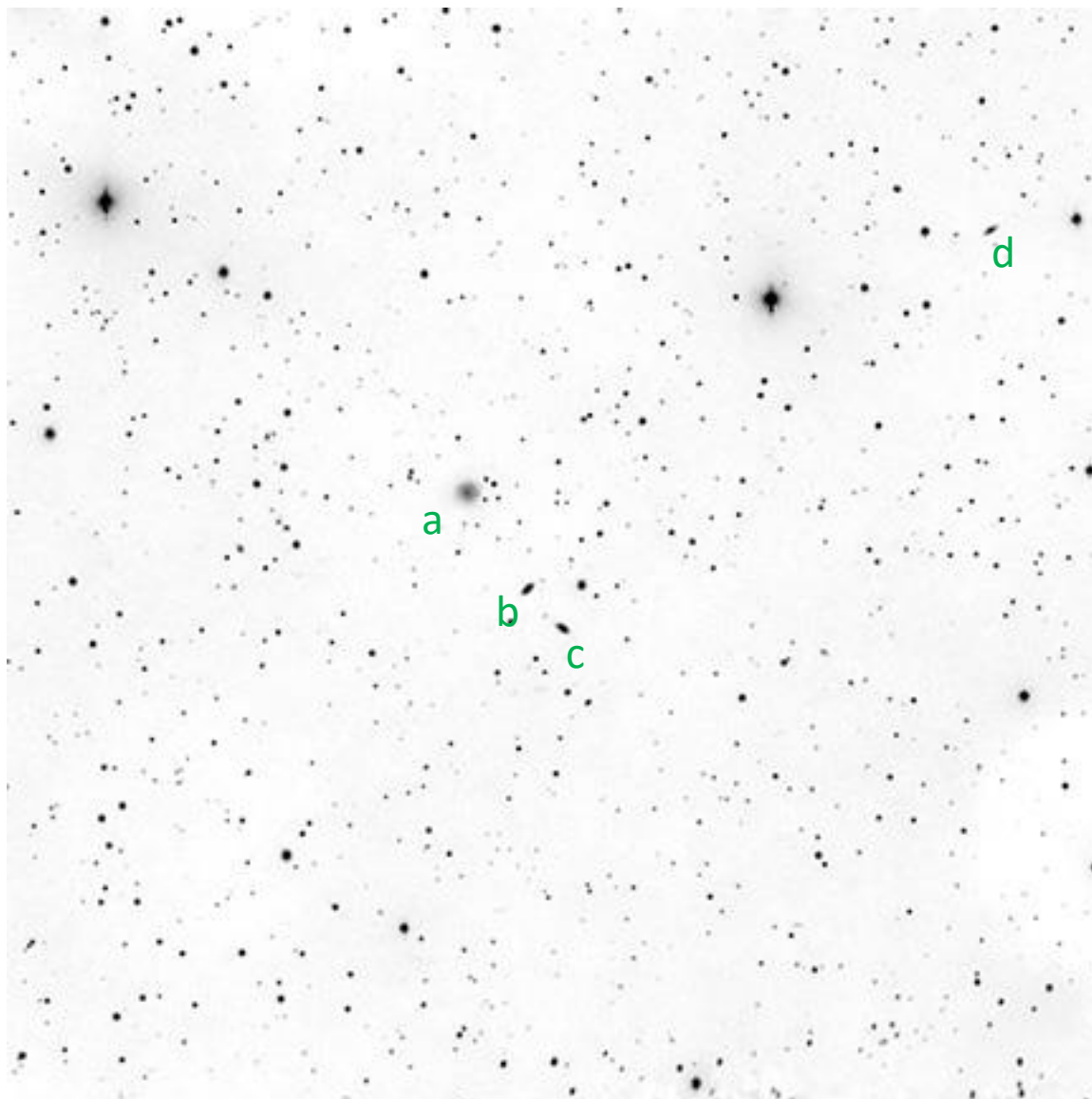
- a) NGC 2513, mag 11.6
- b) NGC 2510, mag 14.5
- c) NGC 2511, mag 14.9
- d) PGC 22526, mag 14.7
- e) UGC 4171, mag 14.5

This trio has one bright galaxy (c) that is fairly easy to detect due to its round shape and hazy collar. The other two members (a,b) are smaller, dimmer, and, as such, hide among stars of similar brightness in the busy field.

Trio 17

NGC 2854 / 2856 / 2857 in Ursa Major

2023-11-11 03:45Z Canary Two ultrawide, cropped



Submitted by anonymous (1)
on 2023-11-19T21:49:26Z
as "Trio17.NGC2854-16bit...00.jpg"
(Submission 8779719)
under Attribution 3.0 Unported

Job Status

Job 9506823:
Success

Calibration

Center (RA, Dec): (141.021, 49.285)
Center (RA, hms): 09^h 24^m 05.007^s
Center (Dec, dms): +49° 17' 04.953"
Size: 1.19 x 1.19 deg
Radius: 0.638 deg
Pixel scale: 5.33 arcsec/pixel
Orientation: Up is 3.5 degrees E of N
WCS file: [wcs.fits](#)
New FITS image: [new-image.fits](#)
Reference stars nearby (RA,Dec table): [rdls.fits](#)
Stars detected in your images (x,y table): [axy.fits](#)
Correspondences between image and reference stars (table): [corr.fits](#)
Legacy Surveys sky browser: [browse the sky](#)

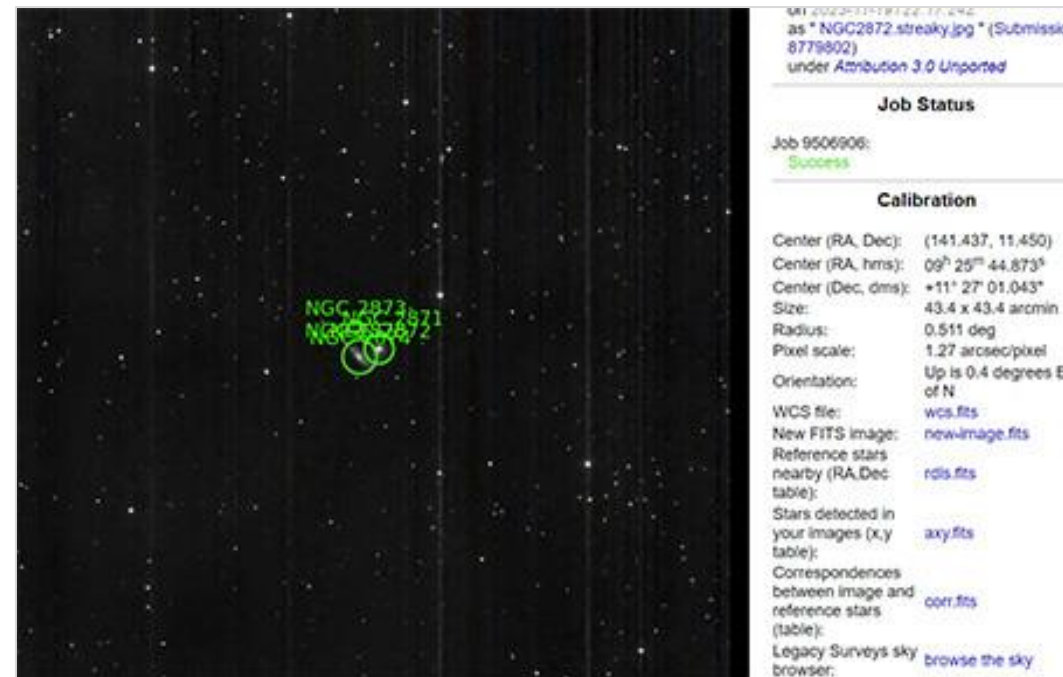
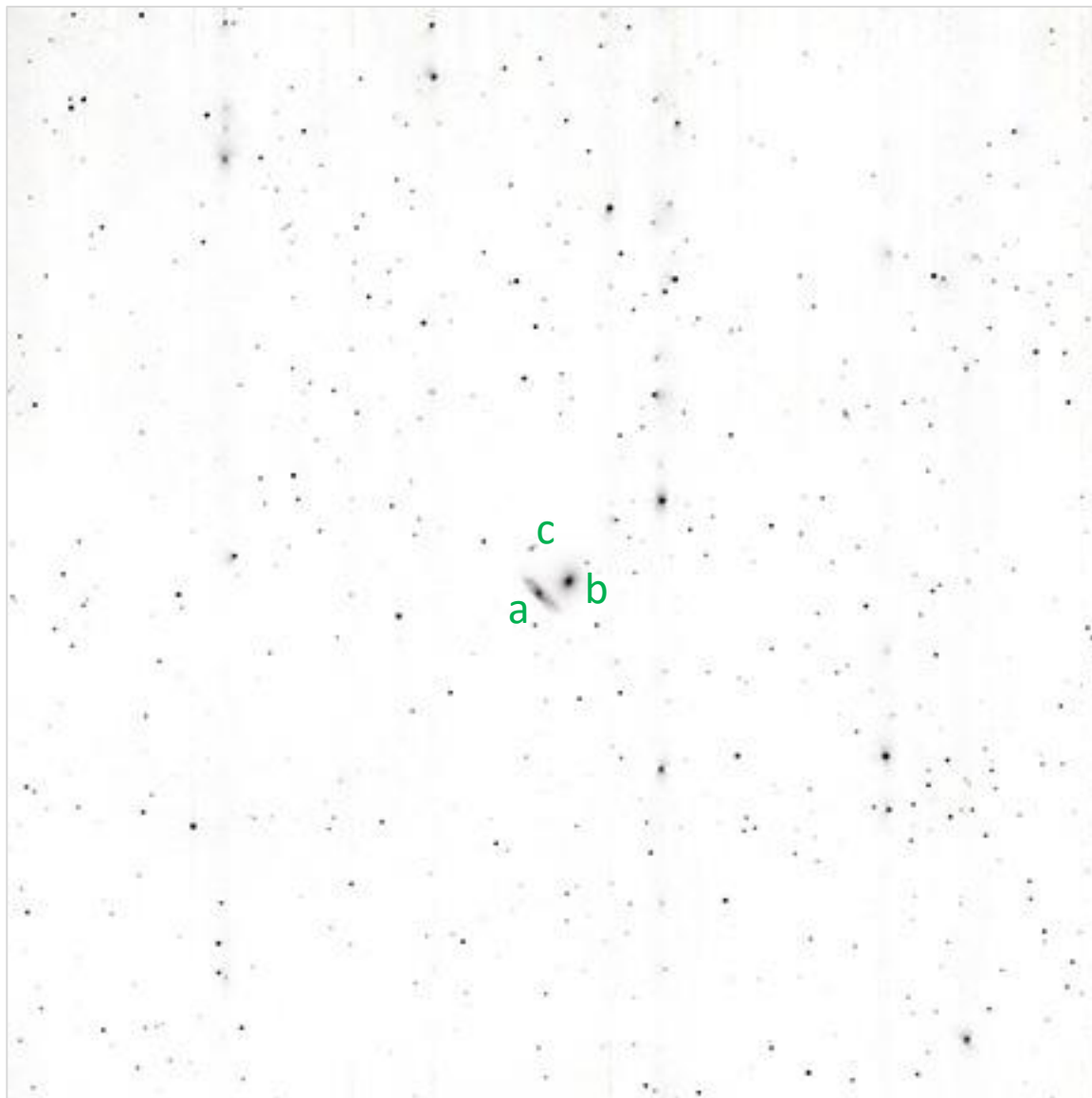
- a) NGC 2857, mag 12.2
- b) NGC 2856, mag 13.0
- c) NGC 2854, mag 12.9
- d) UGC 4958, mag 14.8

This trio's main galaxy (a) is a pretty face-on spiral; unfortunately we can't detect the spiral arms in this image but the round haze does make it stand out. The other two in this group (b,c) are tiny little flea-like galaxies that sit below, making a small triangle with a field star of similar brightness.

Trio 18

NGC 2872 / 2873 / 2874 in Leo

2023-11-11 02:50Z Canary Two



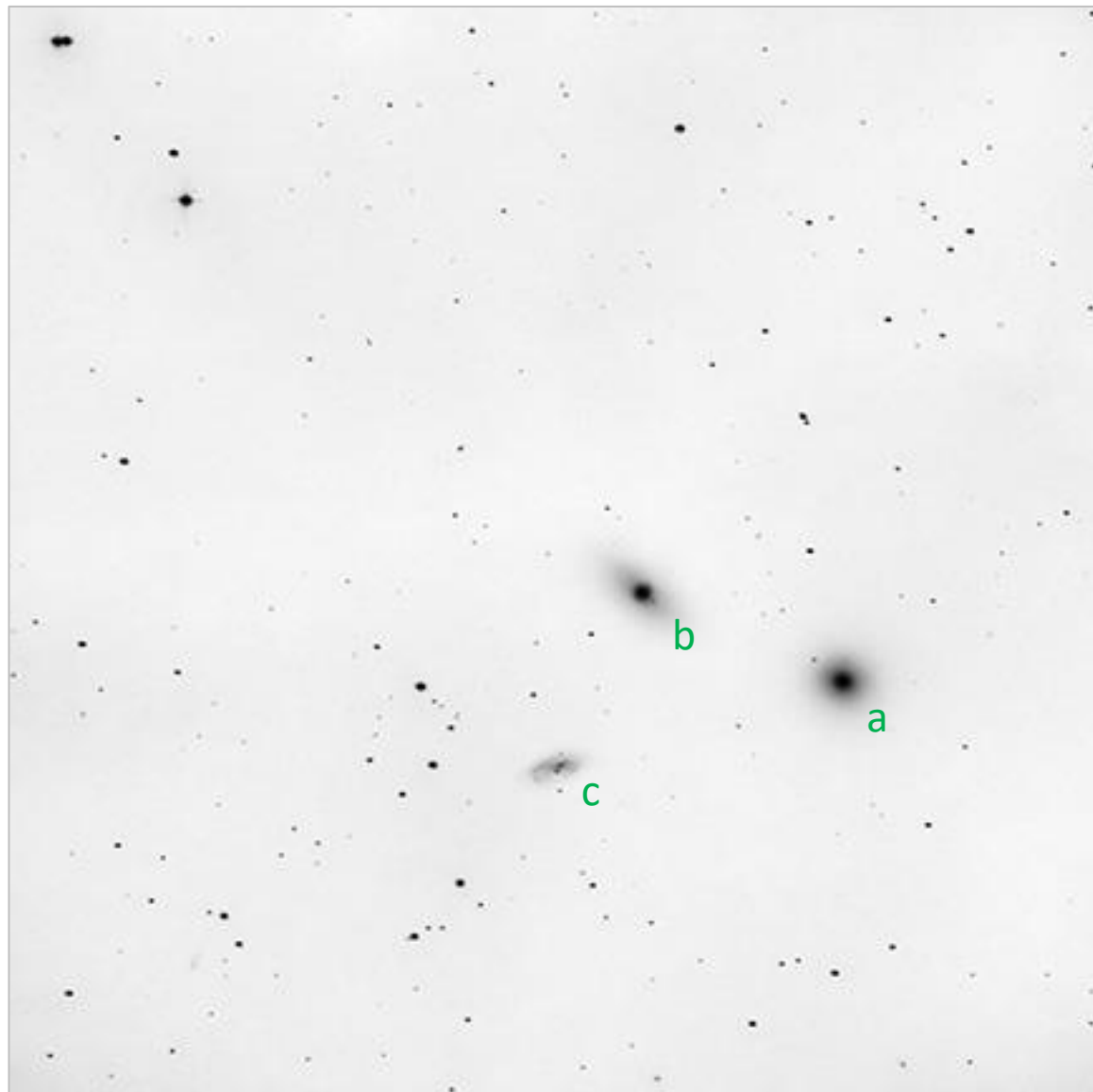
- a) NGC 2874, mag 12.4
- b) NGC 2872, mag 11.8
- c) NGC 2873, mag 16.1

This trio has two bright members (a,b) & one that is barely detectable in this image (c). NGC 2872 is an oval elliptical galaxy; the other two are spirals. NGC 2874 shows off nicely with its diagonal placement from our perspective. This trio is closer than many others in the target list, “only” 150-178 Mly from us.

Trio 24

Messier 105 / NGC 3384 / 3389 in Leo

2023-11-27 05:15Z Canary One



Submitted by anonymous (1) on 2023-11-27T14:42:30Z as "NGC3384.jpg" (Submission 8818202) under Attribution 3.0 Unported	
Job Status	
Job 9544979:	Success
Calibration	
Center (RA, Dec):	(162.121, 12.652)
Center (RA, hms):	10 ^h 48 ^m 29.058 ^s
Center (Dec, dms):	+12° 39' 07.504"
Size:	36 x 36 arcmin
Radius:	0.424 deg
Pixel scale:	1.43 arcsec/pixel
Orientation:	Up is 359.4 degrees E of N
WCS file:	wcs.fits
New FITS image:	new-image.fits
Reference stars nearby (RA,Dec table):	rds.fits
Stars detected in your images (x,y table):	axy.fits
Correspondences between image and reference stars (table):	corr.fits
Legacy Surveys sky browser:	browse the sky

- a) NGC 3379 (M105),
mag 9.3
- b) NGC 3384, mag 9.9
- c) NGC 3389, mag 11.9

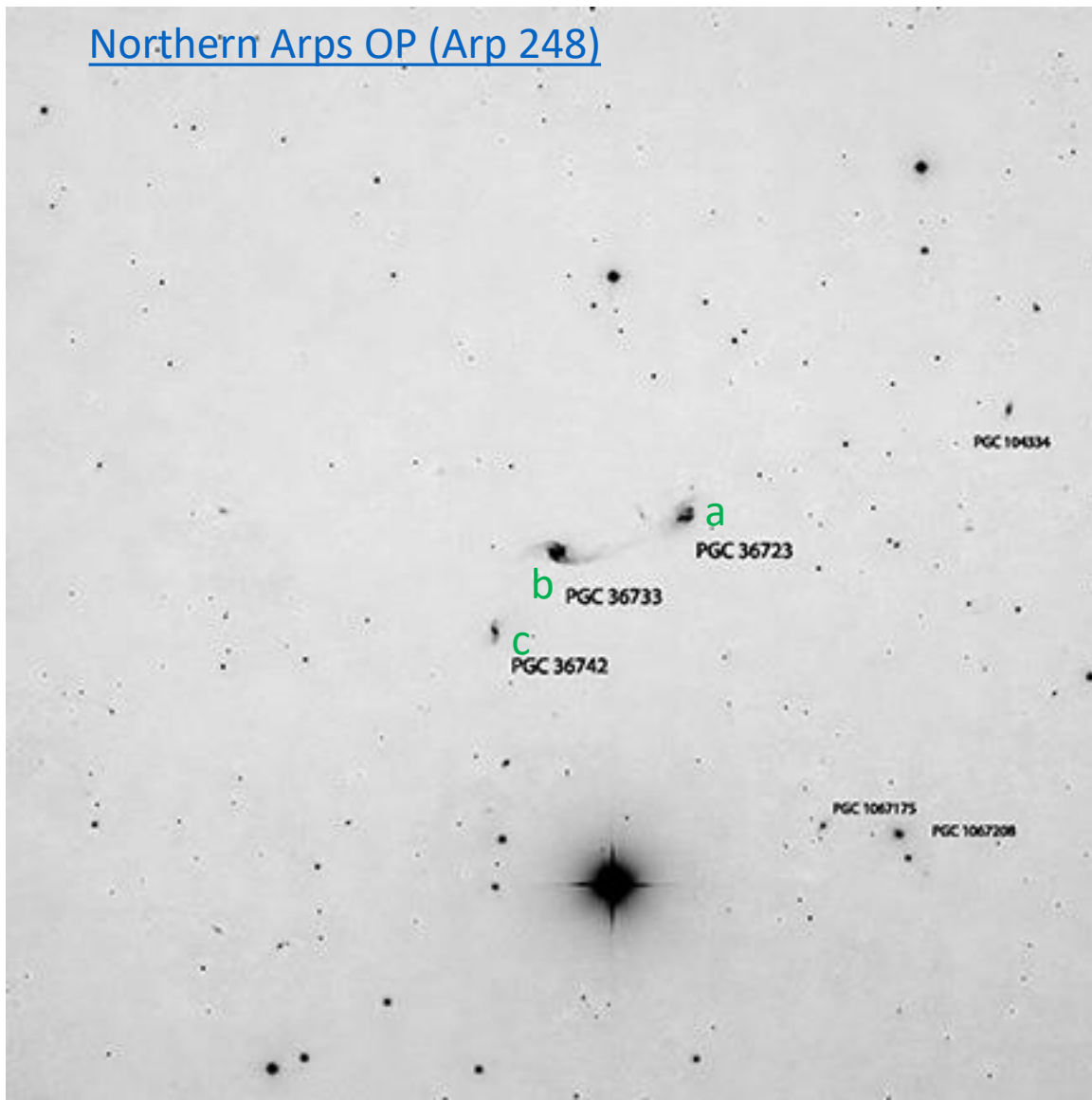
This trio of beauties features two bright ellipticals (a,b) & one small but obvious spiral (c). The latter is roughly twice as far away (63 Mly) as the brighter pair (31-37 Mly). Our little spiral (c) looks a little raggedy around the edges.

Trio 25 (Wild's Triplet)

PGC 36723 / PGC 36733 / PGC 36742 in Virgo

2020-06-09 23:01:22 UTC, El Sauce Observatory, Rio Hurtado Valley, Chile -70.8189°
E -30.4922° N CHI-1: CDK24 @ f/6.5 FLI PL9000, 1x60s exposure; N is down, E is left

[Northern Arps OP \(Arp 248\)](#)



Calibration

Center (RA, Dec):	(176.690, -3.848)
Center (RA, hms):	11 ^h 46 ^m 45.587 ^s
Center (Dec, dms):	-03° 50' 51.365"
Size:	20.8 x 20.8 arcmin
Radius:	0.246 deg
Pixel scale:	1.22 arcsec/pixel
Orientation:	Up is 180.6 degrees E of N

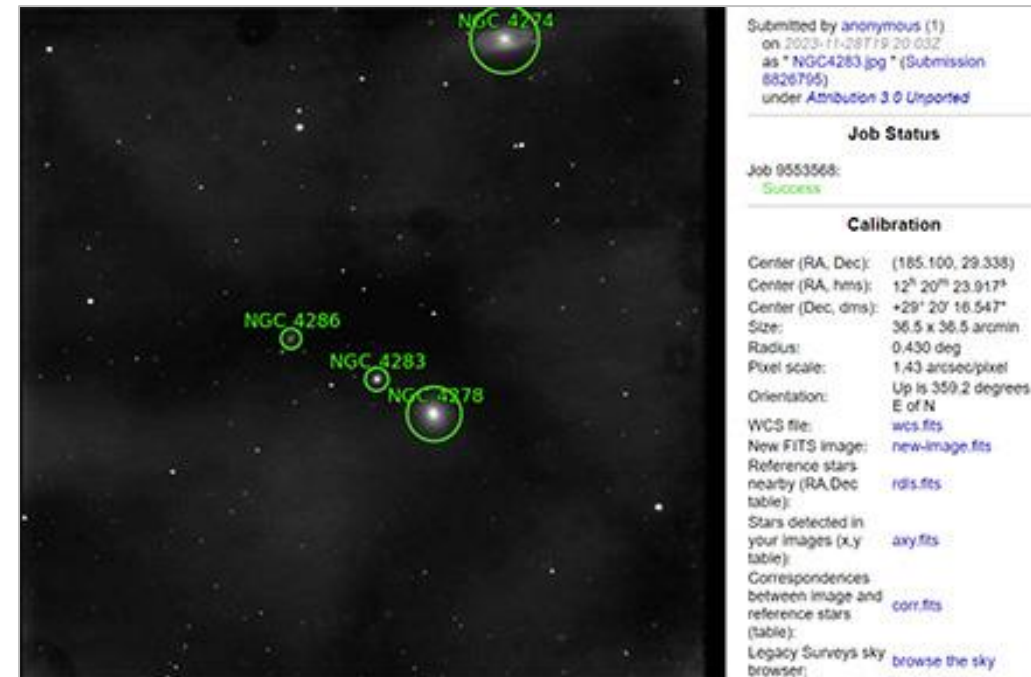
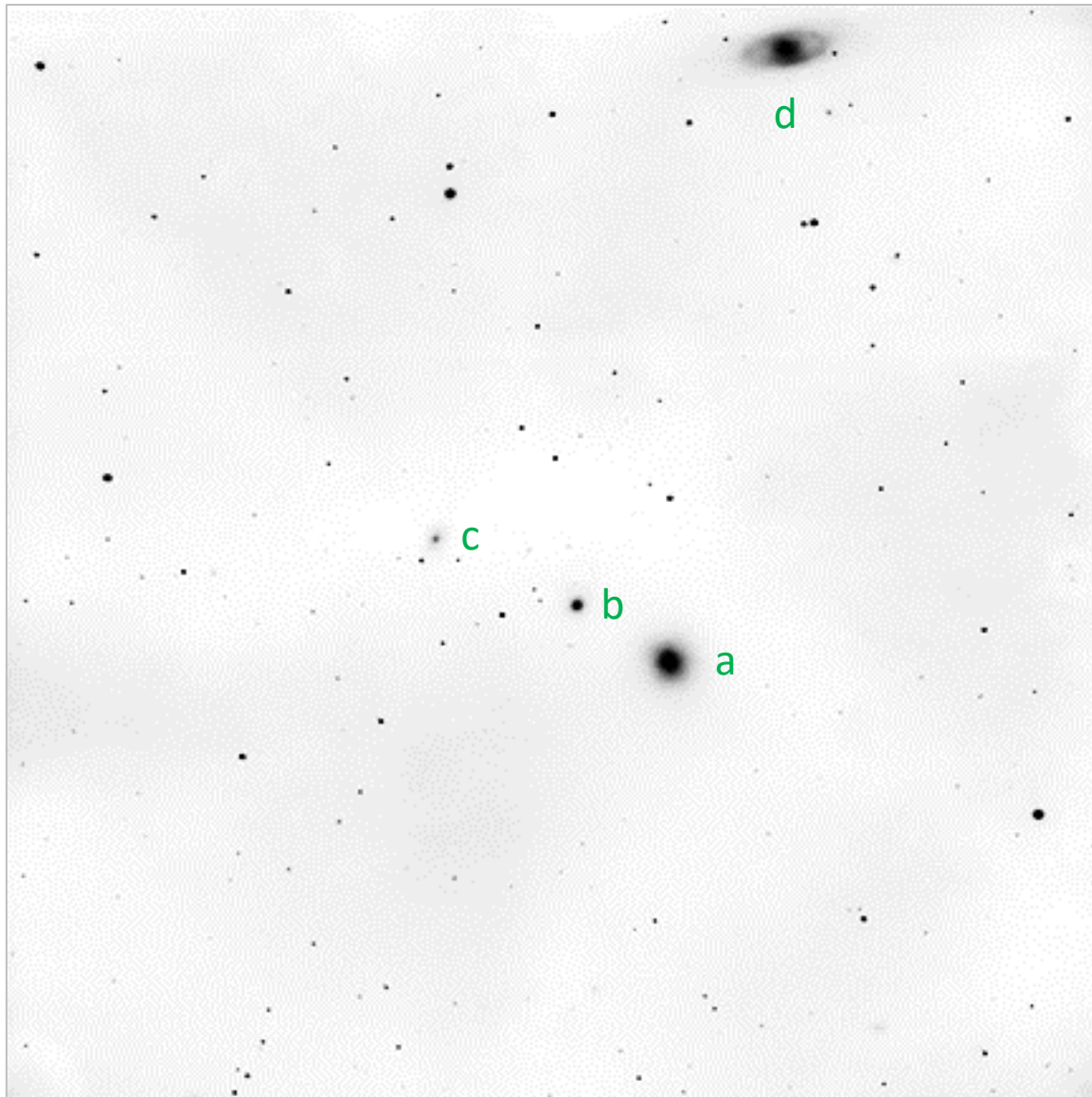
- a) PGC 36723, mag 15.3
- b) PGC 36733, mag 14.3
- c) PGC 36742, mag 15.9

The two brighter galaxies (a,b) in this trio have an obvious bridge between them, while the dainty third galaxy, PGC 36742 (c), floats off by itself. This tiny fellow is shaped like an integral sign. The bright, larger galaxies (a,b) have multi-nucleated cores, especially evident in PGC 36733 (b). The western-most (a) is highly distorted. All are spirals.

Trio 27

NGC 4278 / 4283 / 4286 in Coma Berenices

2023-28-23 03:45Z Canary One



- a) NGC 4278, mag 10.0
- b) NGC 4283, mag 12.0
- c) NGC 4286, mag 14.5

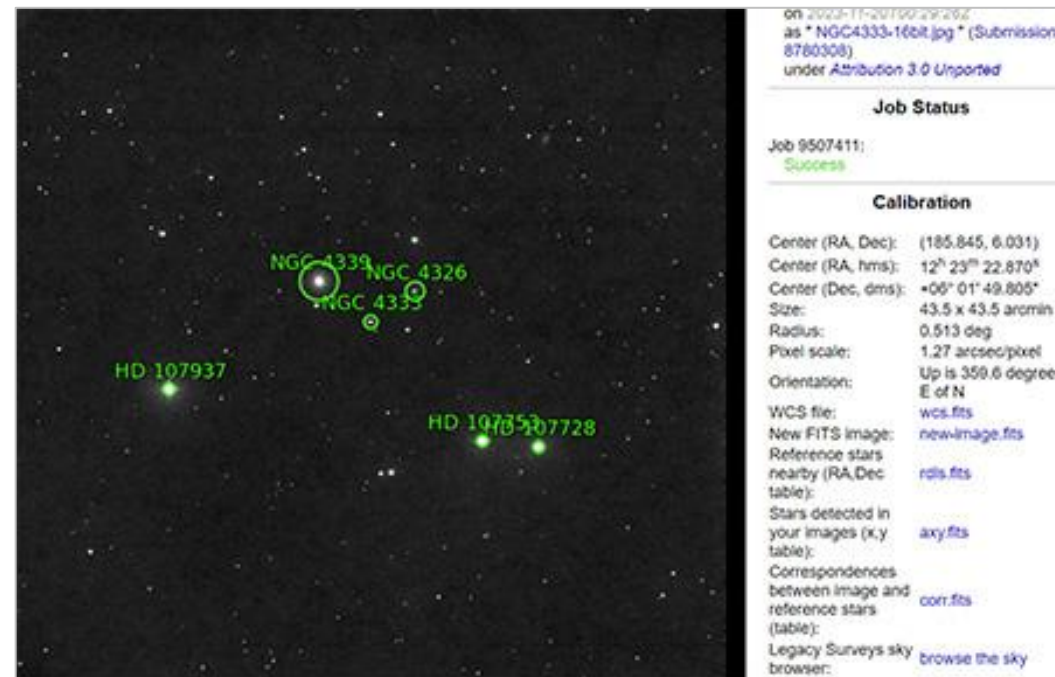
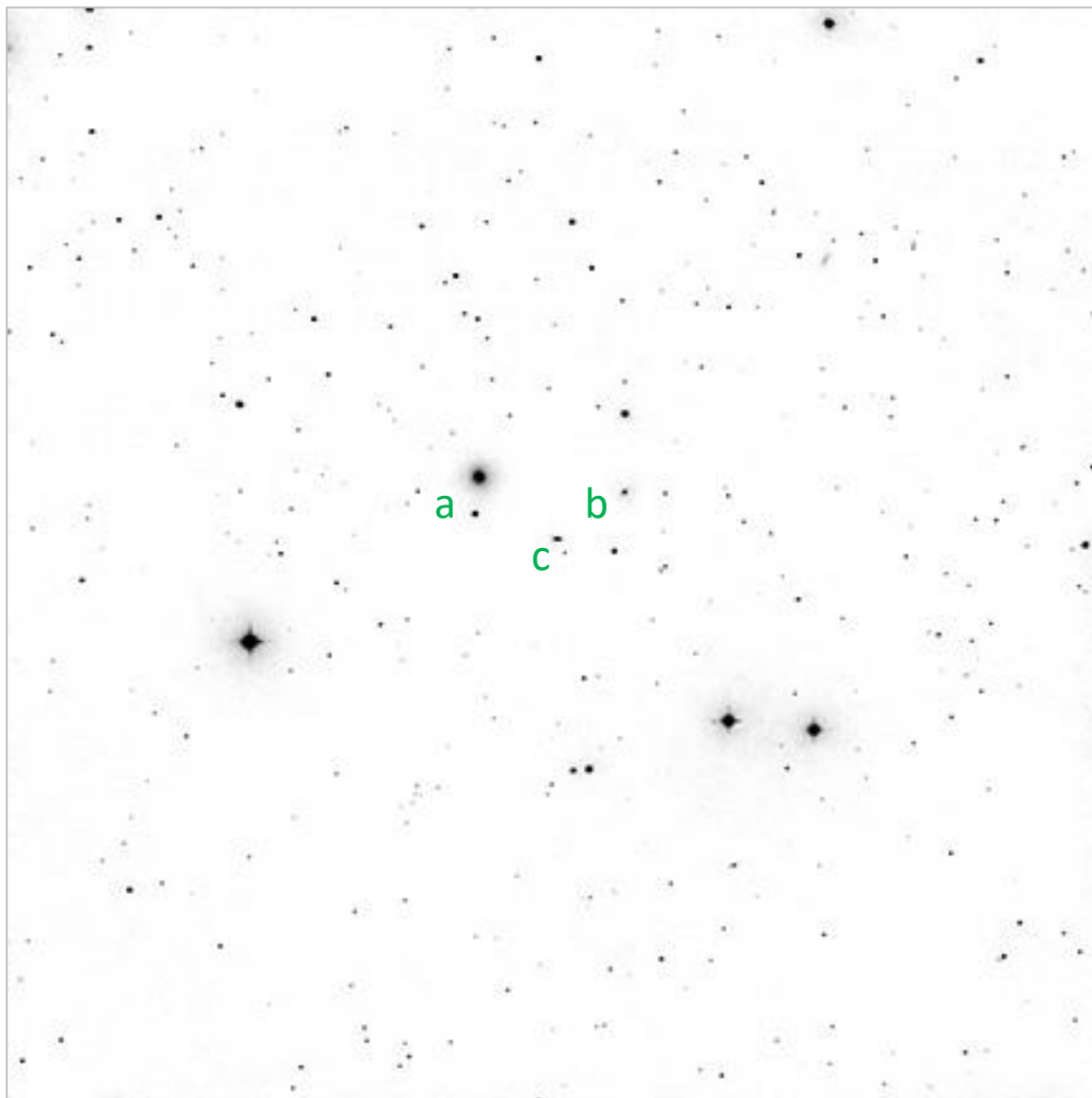
- d) NGC 4274, mag 10.3

This trio lines up nicely in a diagonal formation across this field, although they are not physically related, being at varied distances from us. The two brightest of the three (a, b) are ellipticals while the dimmest (c) is a tiny spiral. At the top of the field lies pretty spiral NGC 4274. *Note: this image was taken during a full moon & I was unable to remove all of the light gradients without removing detail from the galaxies.*

Trio 28

NGC 4326 / 4333 / 4339 in Virgo

2023-02-25 03:50Z, Chile Two



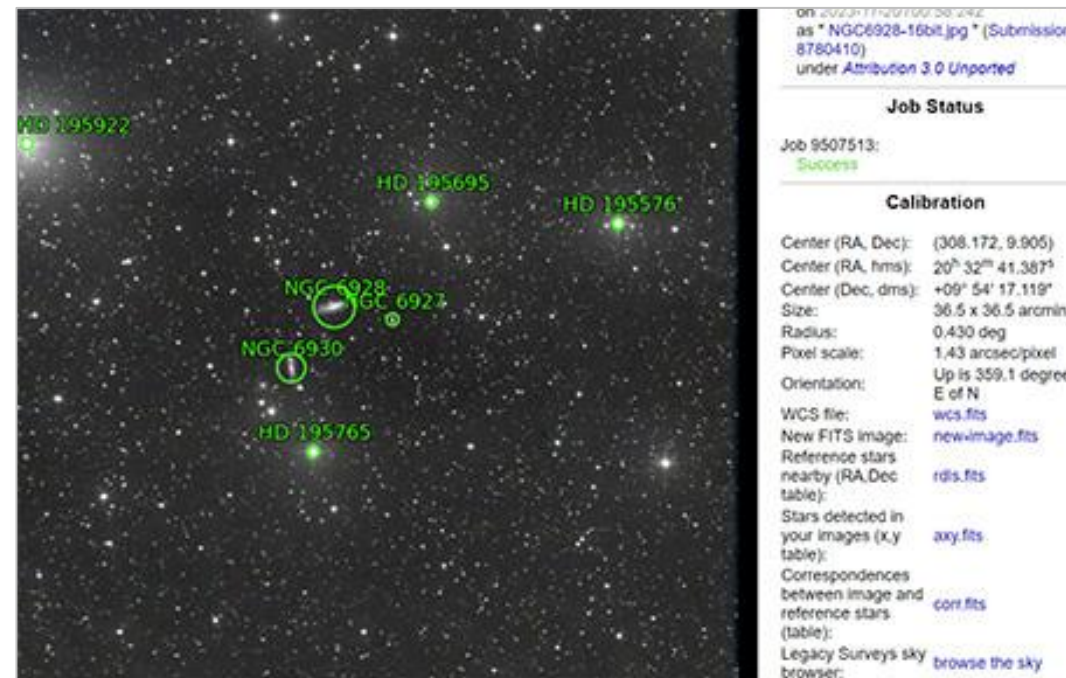
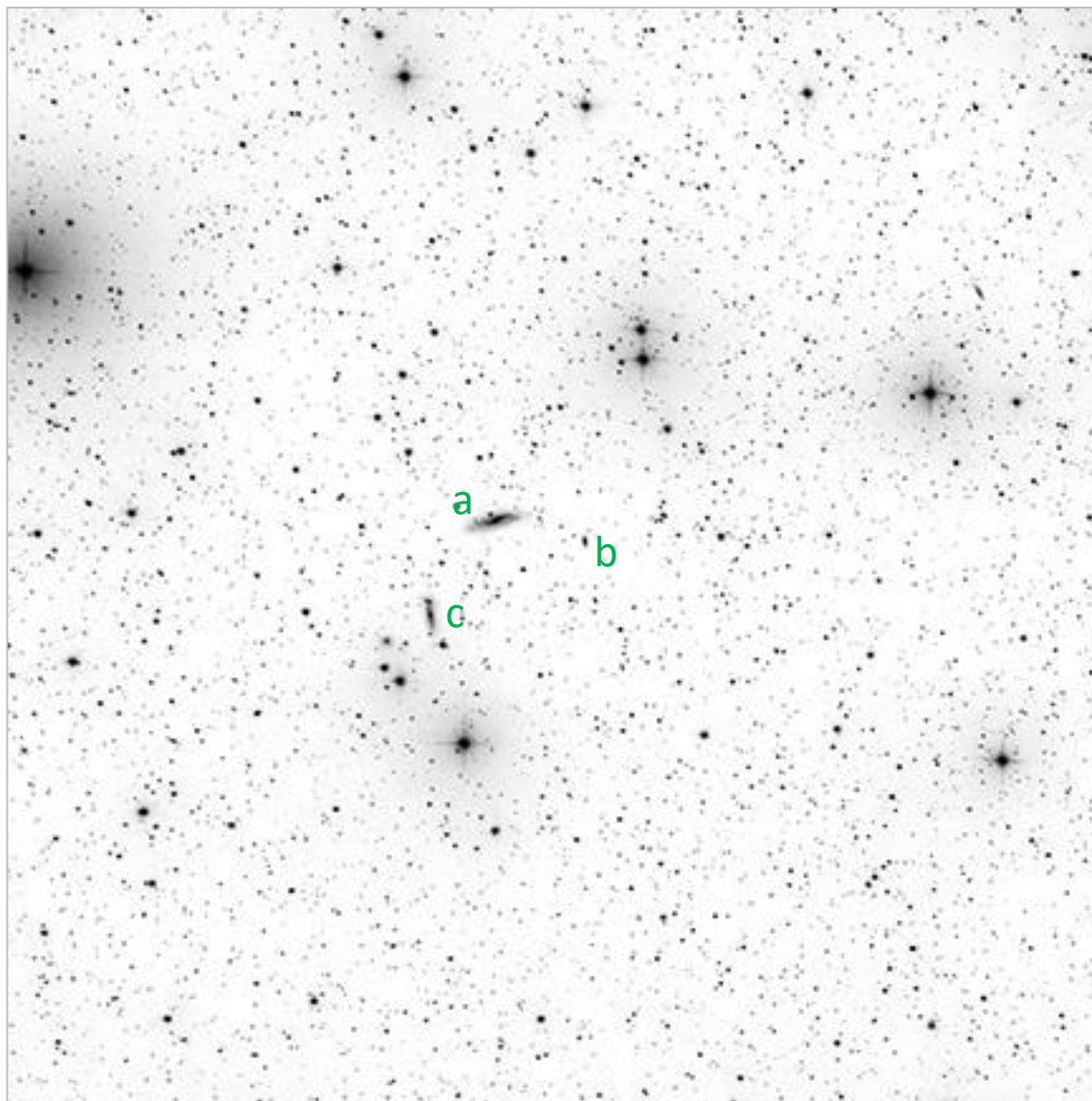
- a) NGC 4339, mag 11.4
- b) NGC 4326, mag 14.2
- c) NGC 4333, mag 14.3

The most prominent of this trio is a round elliptical (a) surrounded by a distinct haze. Its two companions (b,c) are quite small and show little detail in this image. Two nice "cats eyes" star pairs are below the trio, one doublet large and bright, the other quite dainty and tight.

Trio 40

NGC 6927 / 6928 / 6930 in Delphinus

2023-10-18 22:20Z Canary One



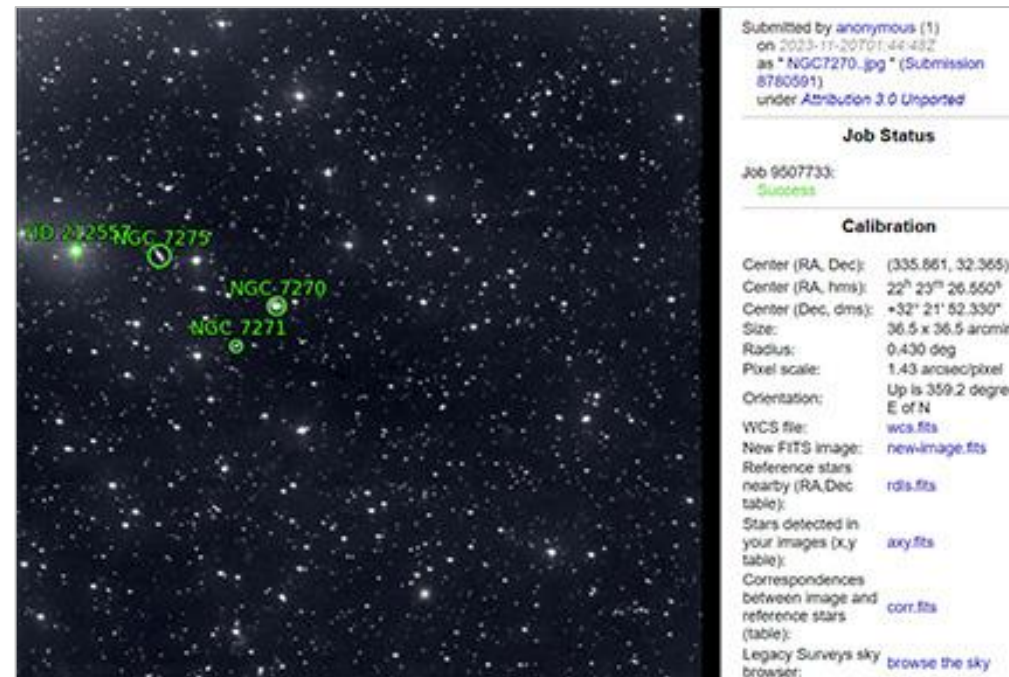
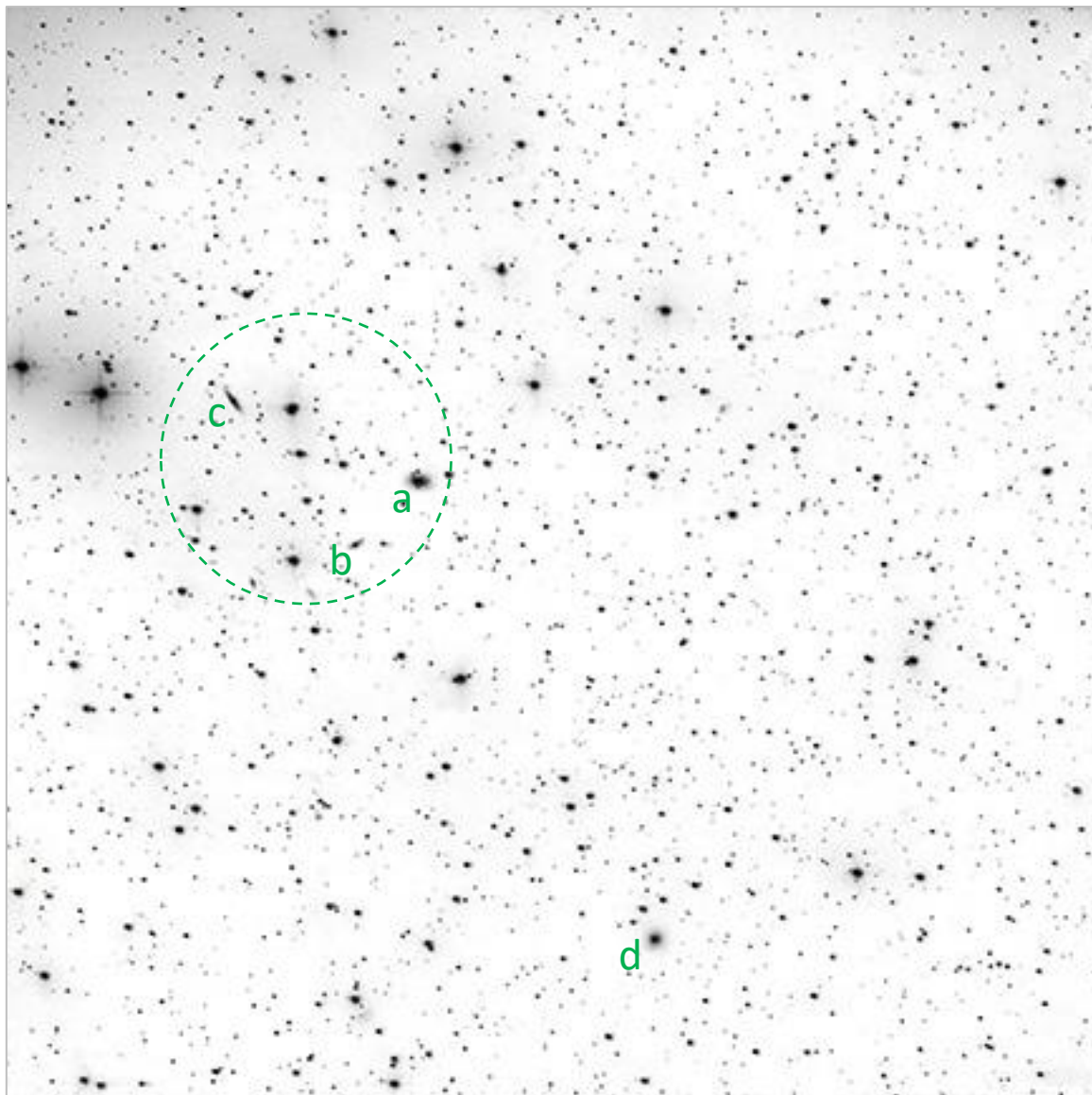
- a) NGC 6928, mag 12.5
- b) NGC 6927, mag 15.4
- c) NGC 6930, mag 12.8

What a nice field! Our trio of spirals has two easily detectable members (a, c) and one small smudgy one (b). Arranged perpendicular to one another, the two largest (a, c) are elongated & somewhat ragged looking. Hundreds of tiny stars speckle the background. Brighter stars in the field add to the interest.

Trio 42

NGC 7270 / 7271 / 7275 in Pegasus

2023-10-20 23:45Z Canary One



- a) NGC 7270, mag 14.9
- b) NGC 7271, mag 16.0
- c) NGC 7275, mag 14.9

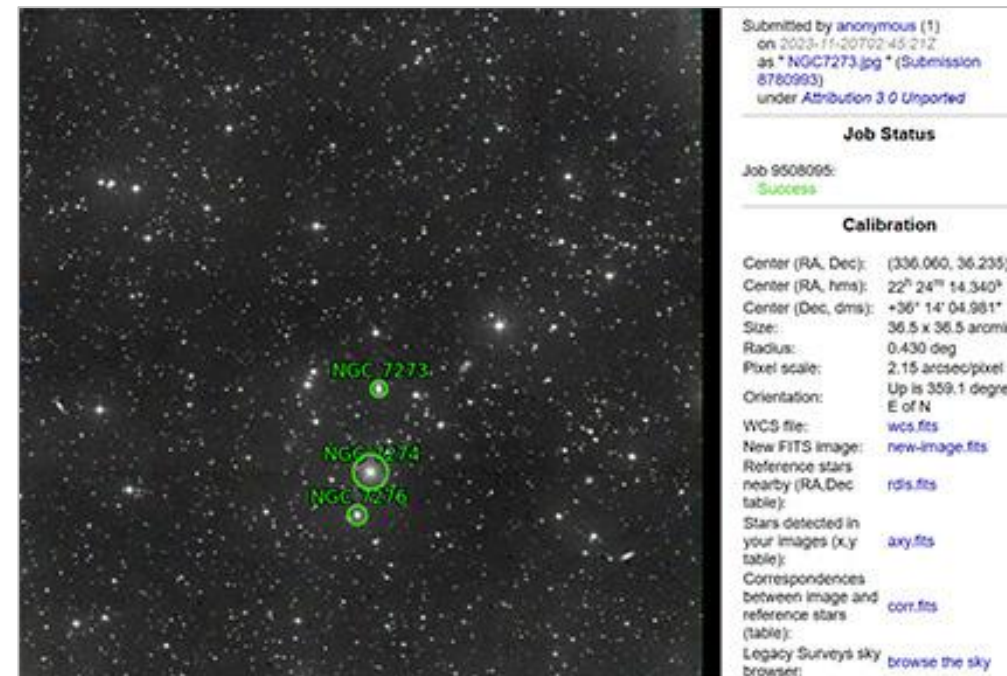
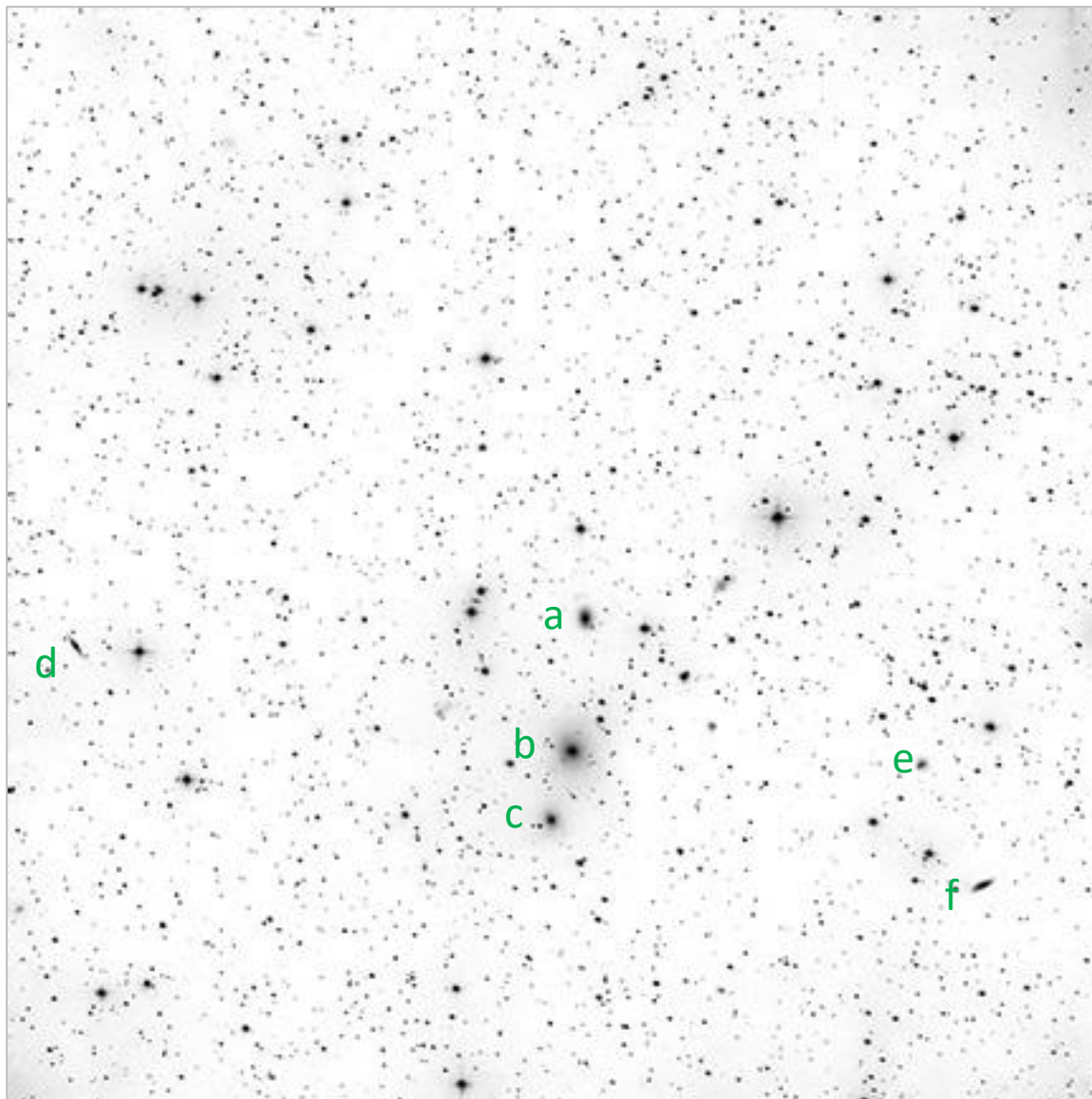
- d) PGC 68716, mag 15.7

This small trio of galaxies (circled) is hiding among a scattering of moderately bright stars in a busy field. The most obvious galaxy of the three is NGC 7275 (c), a small thin splinter that is floating off on the east (left) side of the group. The other two (a, b) almost disappear into the star field. An unrelated PGC galaxy (d) is easier to spot, sitting below a diagonal string of tiny stars at the bottom right.

Trio 43

NGC 7273 / 7274 / 7276 in Lacerta

2023-10-07 21:20Z Canary One



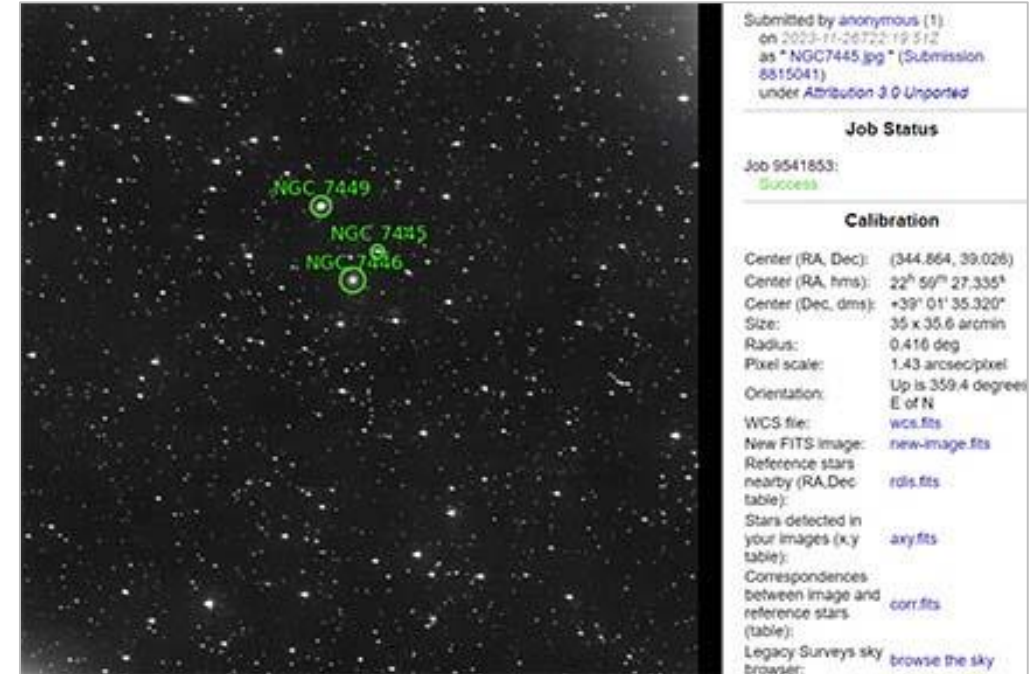
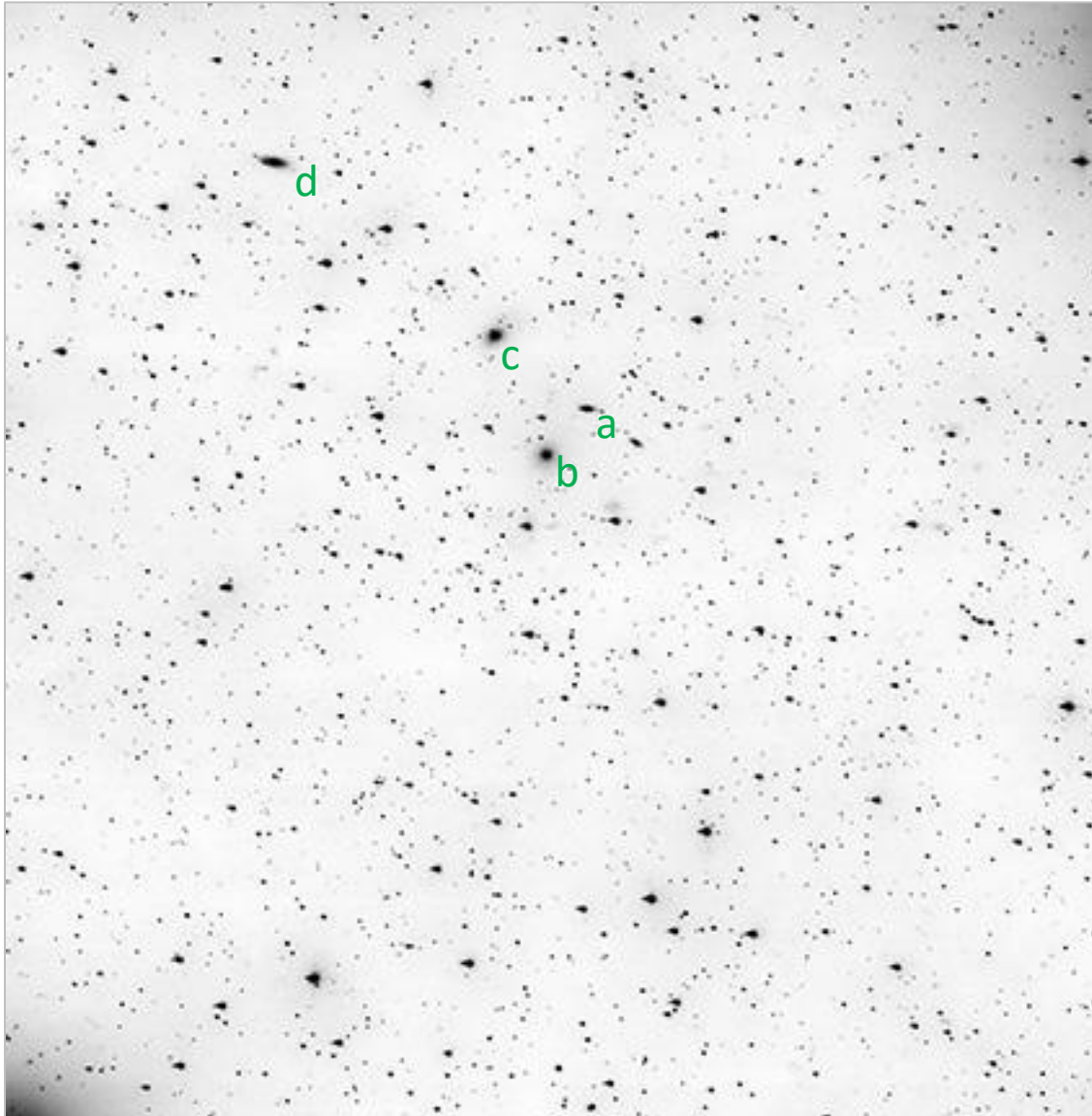
- a) NGC 7273, mag 14.7
- b) NGC 7274, mag 13.2
- c) NGC 7276, mag 13.9

This fuzzy trio forms a string dangling almost vertically in the field. The largest of the three, elliptical NGC 7274 (b) is in the center and sports an extensive halo. Smaller NGC 7276 (c), also an elliptical, has a similar but scaled-down halo. The only spiral in the trio, NGC 7273 (a), appears more condensed, with a thinner haze surrounding it.

Trio 44

NGC 7445 / 7446 / 7449 in Andromeda

2023-11-13 23:00Z Canary One



- a) NGC 7445, mag 15.6
- b) NGC 7446, mag 15.4
- c) NGC 7449, mag 16.3

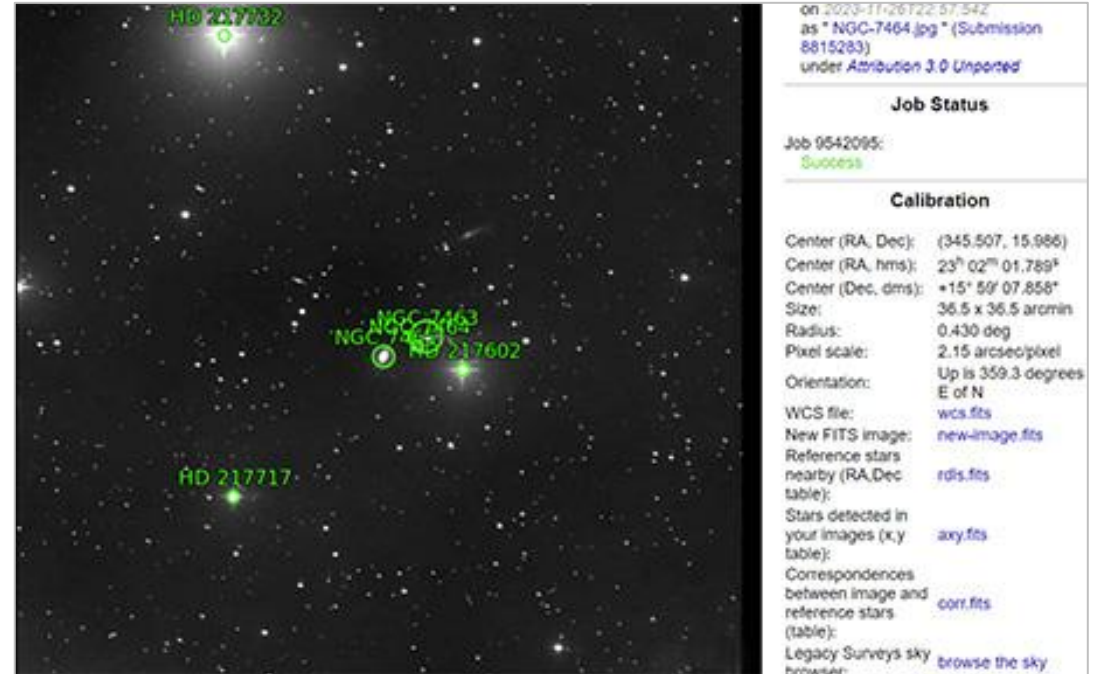
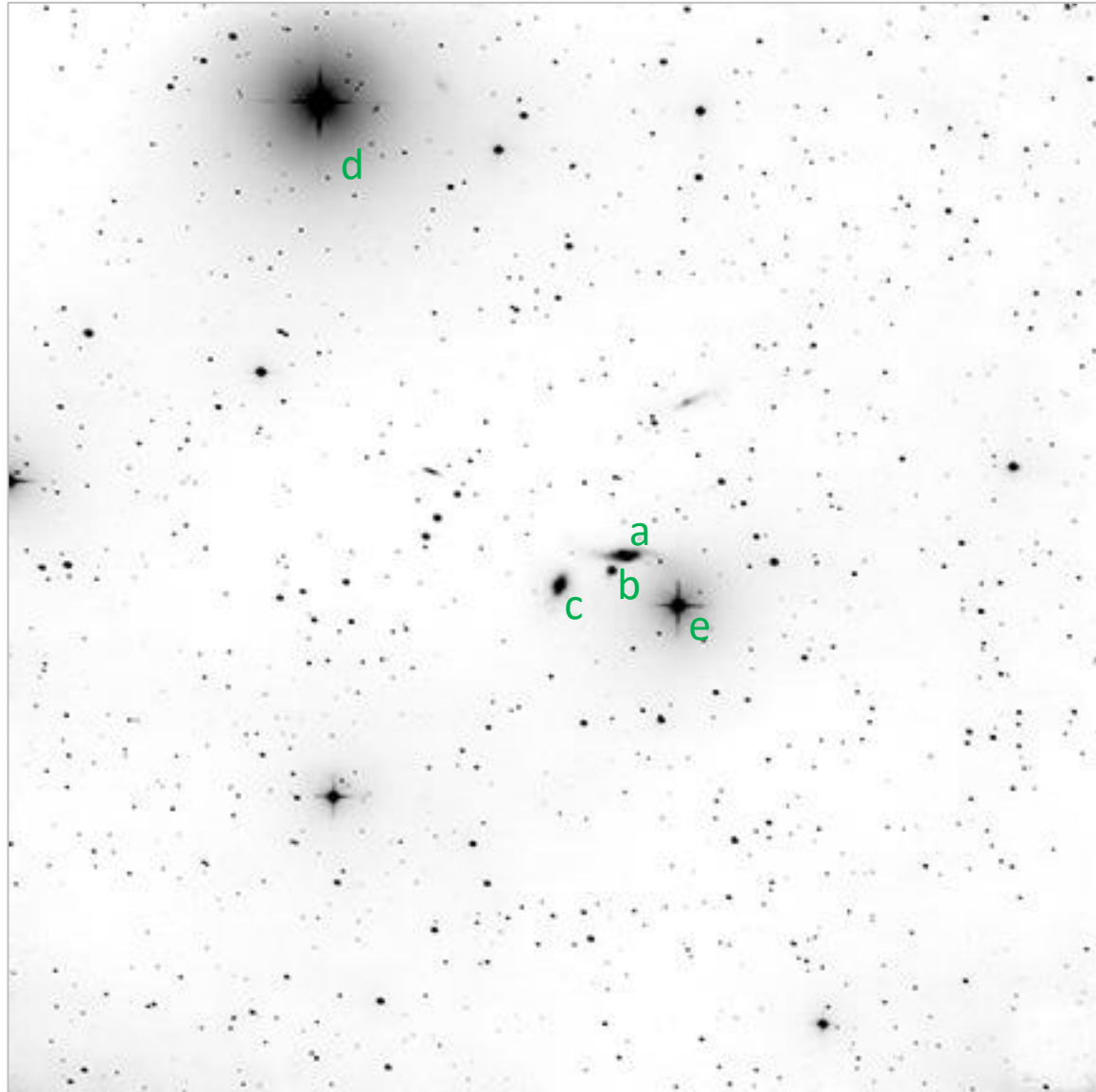
- d) UGC 12298, mag 14.9

This trio forms an elongated triangle. NGC 7445 (a) is a spiral galaxy; NGC 7446 (b) and 7449 (c) are ellipticals. Another nice spiral is seen in the upper left of the field, UGC 12298 (d), although it is not a member of our target trio.

Trio 45

NGC 7463 / 7464 / 7465 in Pegasus

2023-10-14 20:20Z Canary One



- a) NGC 7463, mag 13.2
- b) NGC 7464, mag 14.4
- c) NGC 7465, mag 12.6

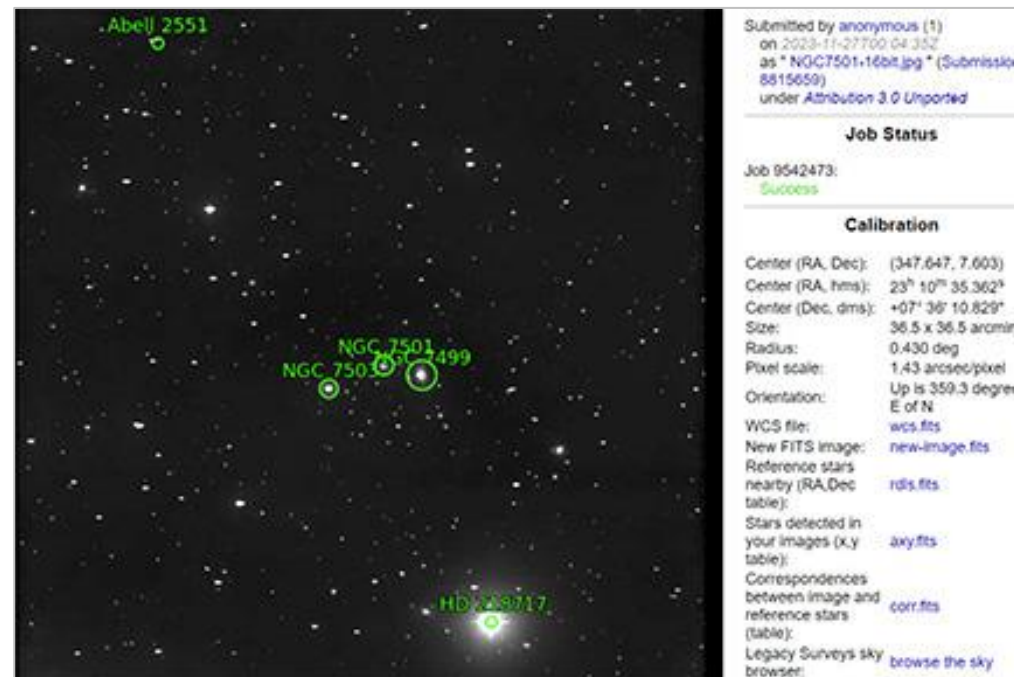
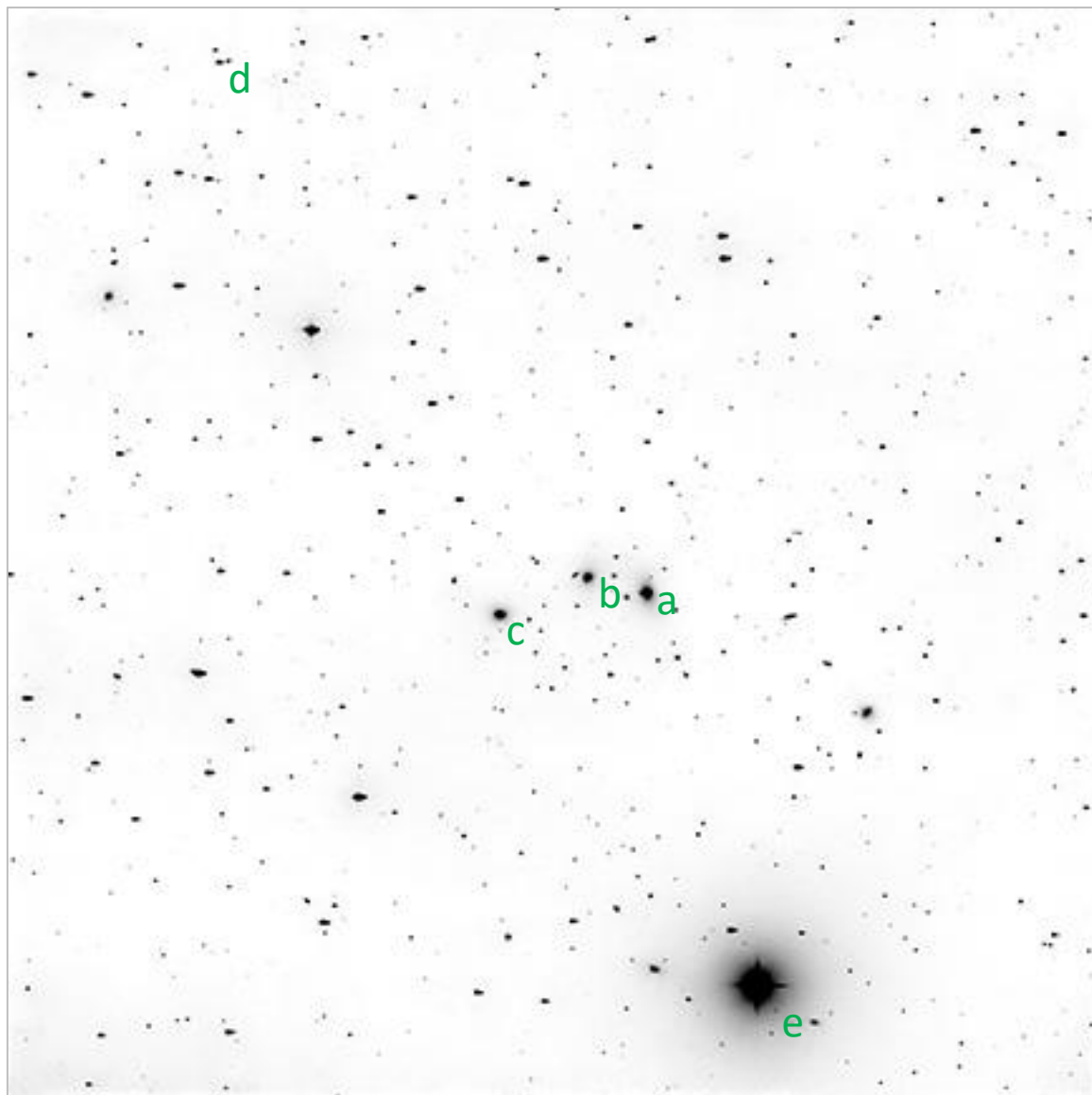
- d) HD 217732, mag 6.6
- e) HD 217602, mag 8.2

This trio is scrunched up on the east side of a bright star (e). The brightest galaxy, NGC 7465 (c), is a barred spiral. The faintest, NGC 7464 (b), is classified as an E1 “peculiar” galaxy, although here it appears as a small round dot with no discernable details. The large galaxy riding on top, NGC 7463 (a), is a suspected barred spiral. A bright mag 6.6 star (d) dominates the field to the NE.

Trio 46

NGC 7499 / 7501 / 7503 in Pisces

2023-10-16 21:10:00Z Canary One



- a) NGC 7499, mag 13.0
- b) NGC 7501, mag 13.5
- c) NGC 7503, mag 13.3

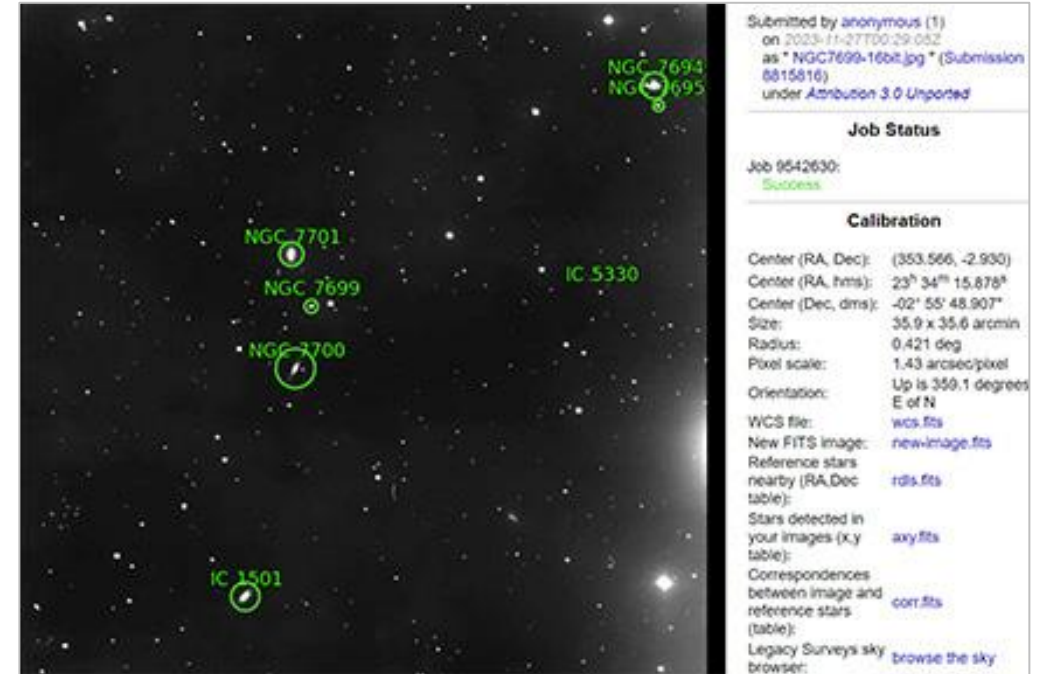
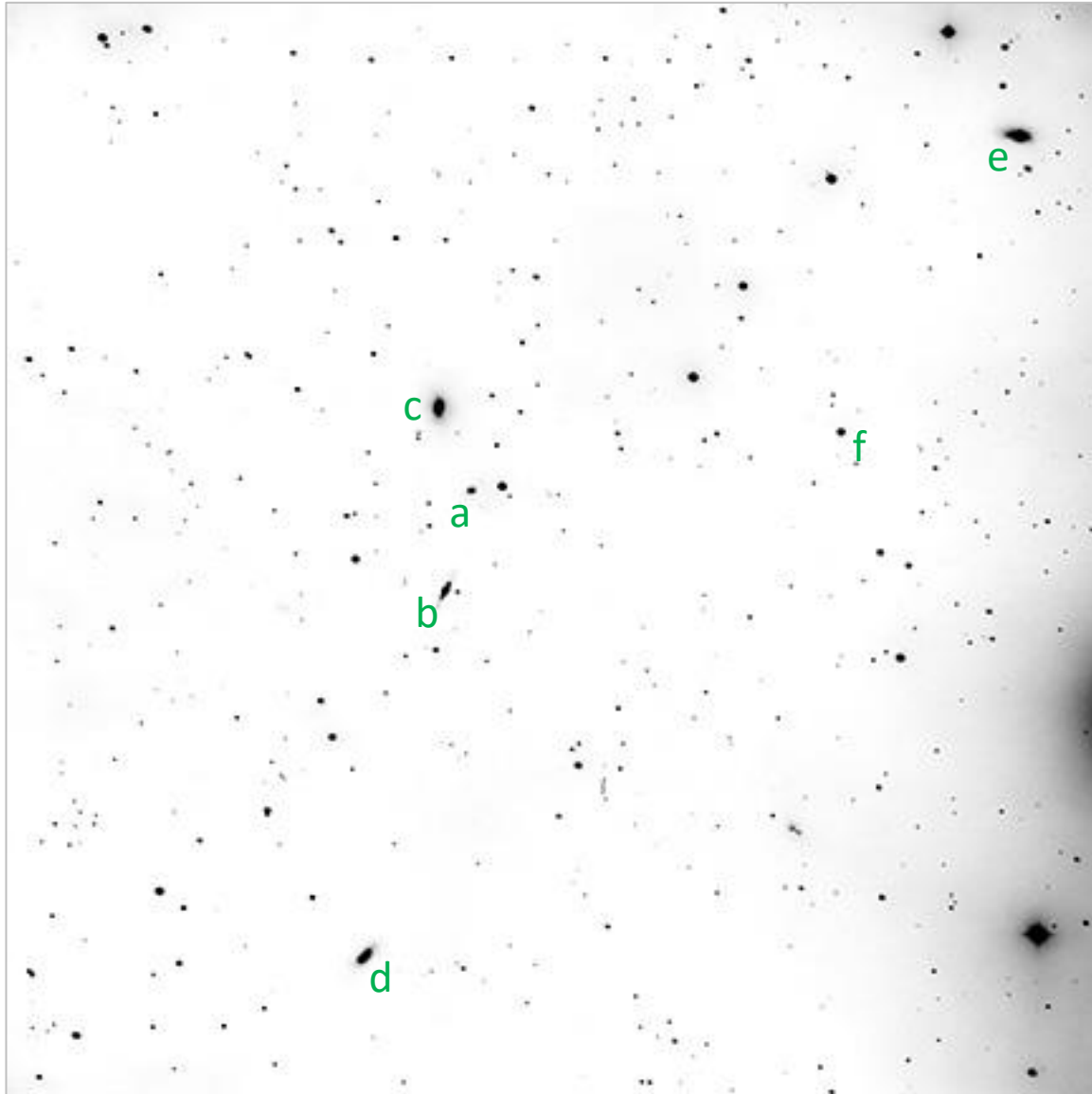
- d) Abell 2551
- e) HD 218717, mag 7.4

This trio of similarly bright galaxies consists of one elliptical (b) and two spirals (a,c), although no structural detail can be detected. A mag 7 star shines brightly to the SSW and small galaxy group Abell 2551 is spotted to the NNE.

Trio 48

NGC 7699 / 7700 / 7701 in Pisces

2023-11-12 00:20Z Canary One



- a) NGC 7699, mag 15.7
- b) NGC 7700, mag 15.0
- c) NGC 7701, mag 14.4

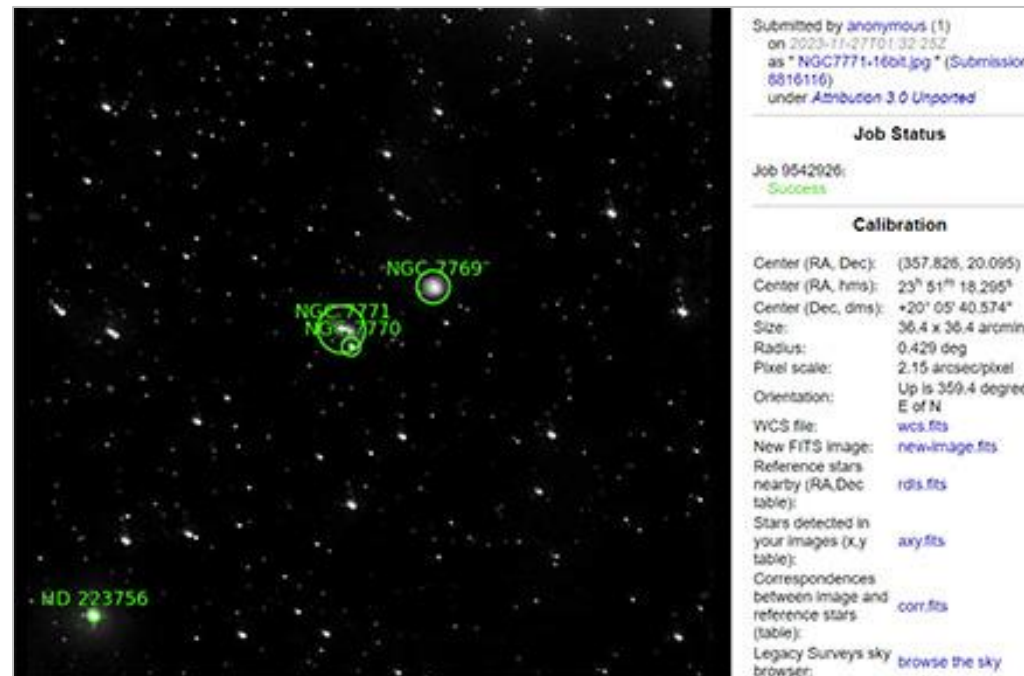
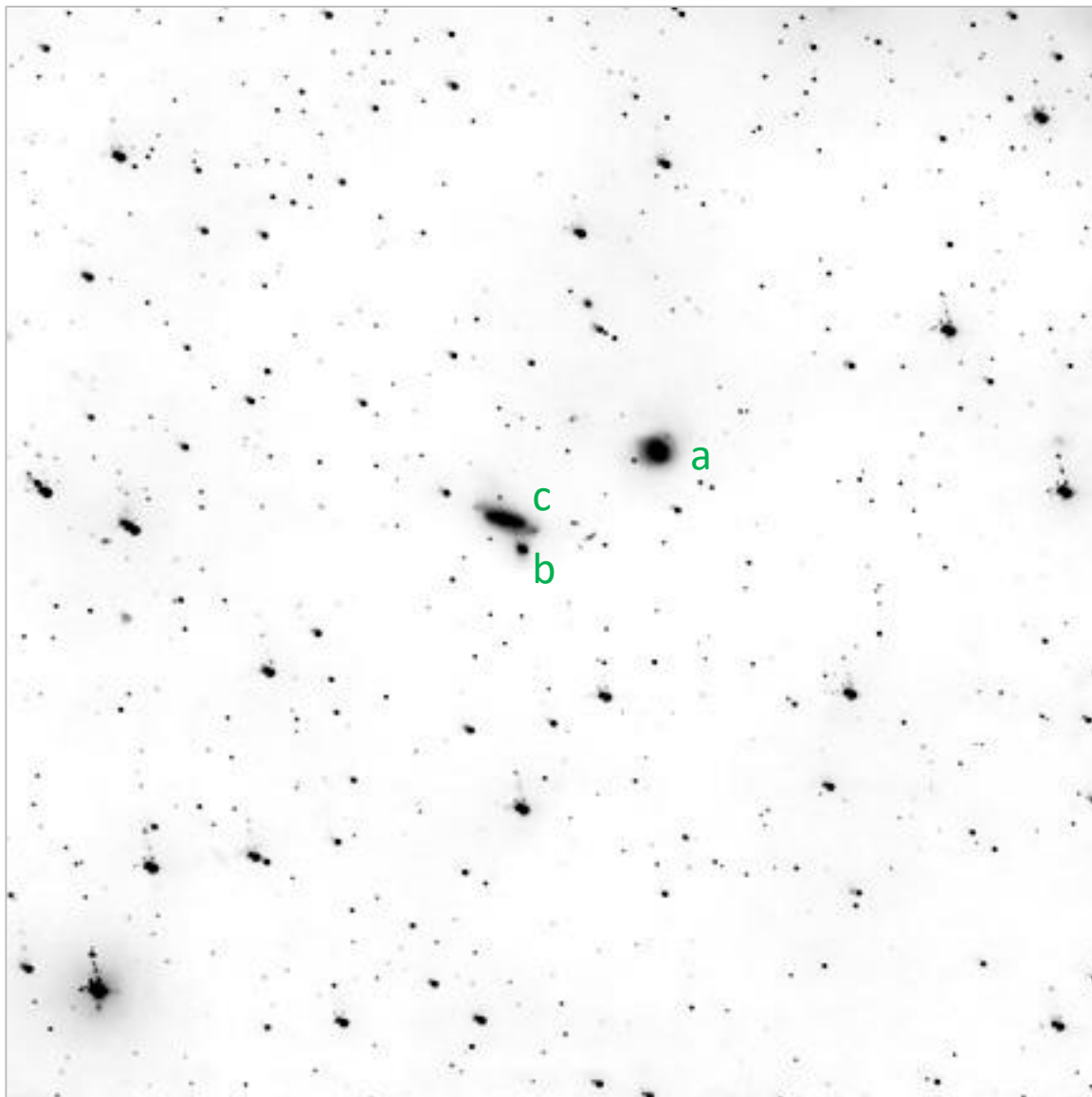
- d) IC 1501, mag 14.6
- e) NGC 7694/5, mag 13.9/15.9
- f) IC 5330, mag 15.3

All three members of this galaxy trio are spirals (a,b,c); two of these are obviously elongated but the other simply looks like a round dot. Overlapping galaxies NGC7694/7695 appear together (e), stretched-out, plump in the NW corner. A tiny IC galaxy (f) is identified by astrometry but is otherwise indistinguishable from a half dozen nearby stars of similar brightness. Another IC galaxy lies in the south (d).

Trio 49

NGC 7769 / 7770 / 7771 in Pegasus

2023-10-07 03:10Z Canary One



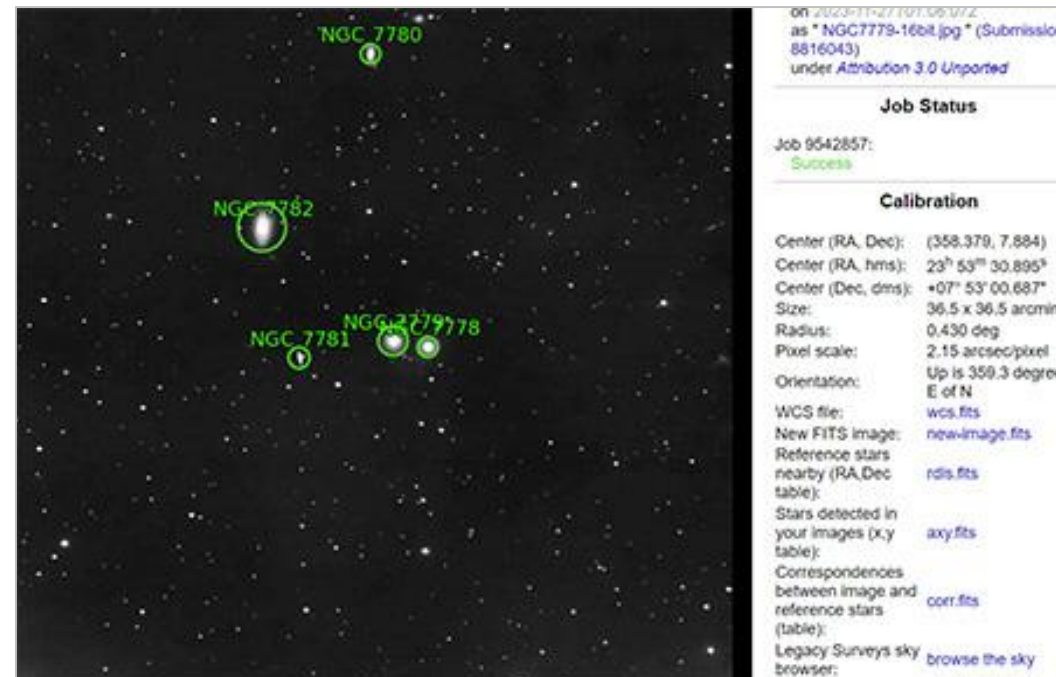
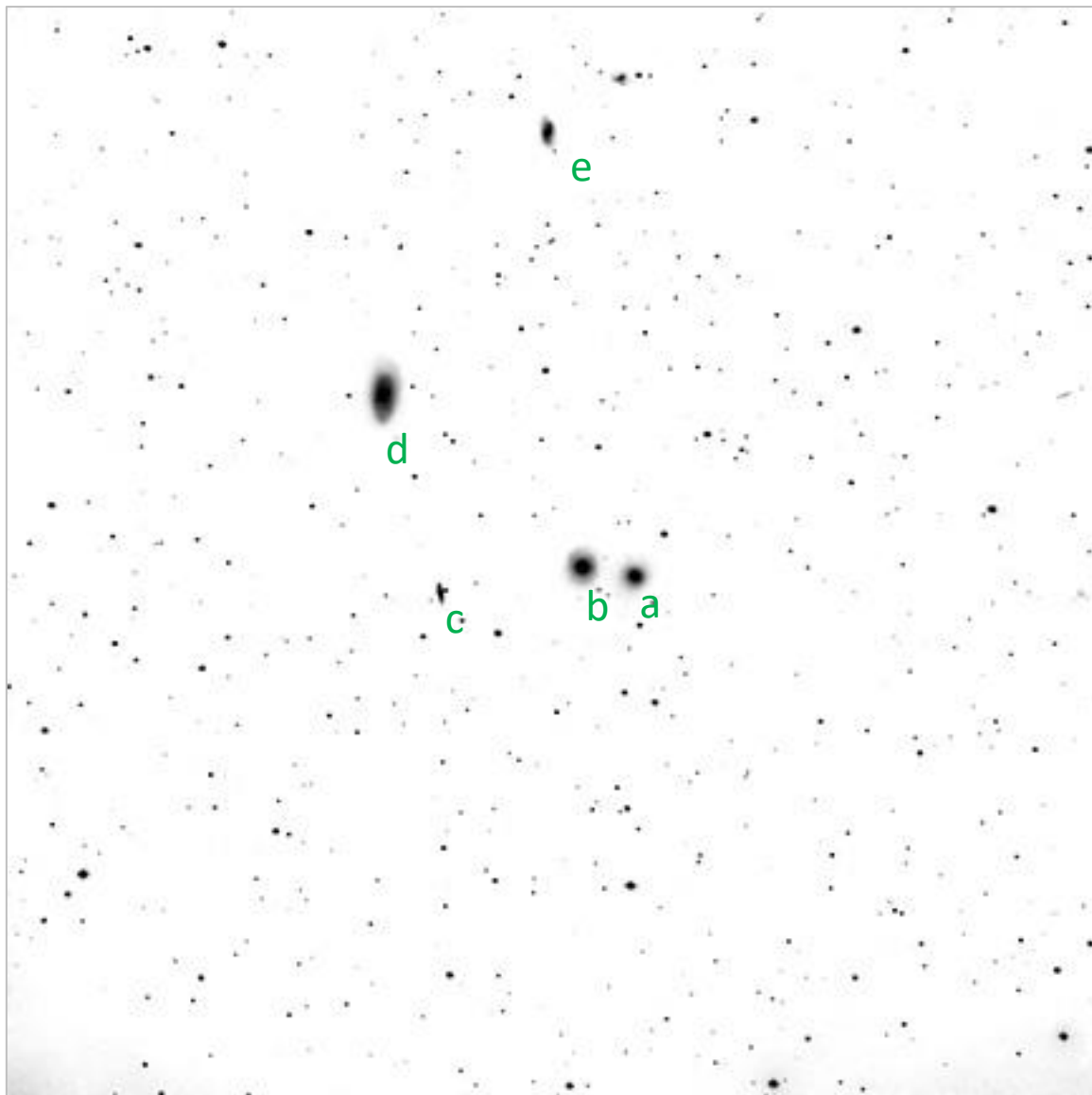
- a) NGC 7769, mag 11.7
- b) NGC 7770, mag 14.4
- c) NGC 7771, mag 12.9

All three members of this galaxy trio are spirals. Two of them, NGC 7769 (a) & 7771 (c), are relatively large and bright; the third, NGC 7770 (b), is much smaller and dimmer. This dim one looks like a slightly squashed dot and can be found underneath the much larger and elongated NGC 7771 (c). The brightest of all three, NGC 7769 (a) is rounded oval, lying just to the NW of the other two.

Trio 50

NGC 7778 / 7779 / 7781 in Pisces

2023-10-06 23:00Z Canary One



- a) NGC 7778, mag 12.7
- b) NGC 7779, mag 12.6
- c) NGC 7781, mag 15.0

- d) NGC 7782, mag 12.1
- e) NGC 7780, mag 14.8

Two medium roundish galaxies, one actually a spiral (a) and the other an elliptical (b) are joined by a tiny flea-like spiral to make up this trio. Two other galaxies, both spirals, are nearby: a much larger one (d) commands the field in the NE and a rather small one (e) floats up high near the northern edge.