

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: AW Cyg

Magnitude Range & Estimation: 7.1-8.5 (2.5)

Time/Date: 11/19/16 8:11 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brighter than AX Cyg = more

Seeing/Transparency: 4/10 6/10

yellow. In the same field with

Sky & Session Notes: windy & some

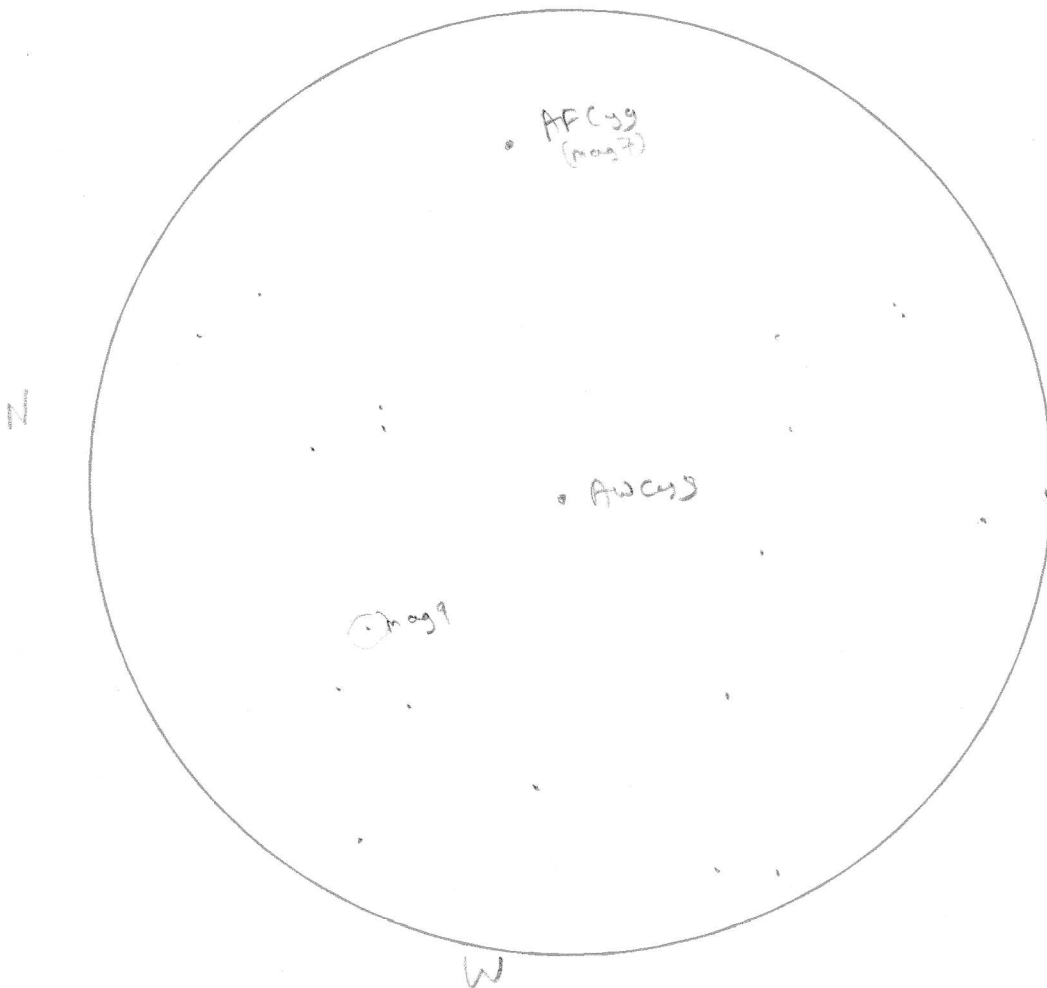
brighter? redder AF Cyg (mag 7). A bit

(wildfires) smoke; no clouds

brighter than the circled star below.

Telescope: C8 + 24 mm

Magnification: 85x



DAV=Deerlick Astronomy Village, Sharon, GA 33°33'14" N 082°45'37" W
 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: AQ Sagittarii

Magnitude Range & Estimation: "6.6-8.5" (7.6)

Time/Date: 6/28/17 1:01 am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright, white gold star.

Seeing / Transparency: 6/10 6/10

Makes a pretty hook with

Sky & Session Notes: thin clouds come
go tonight, cool (20°C) SDM 21.6

two adjacent stars.

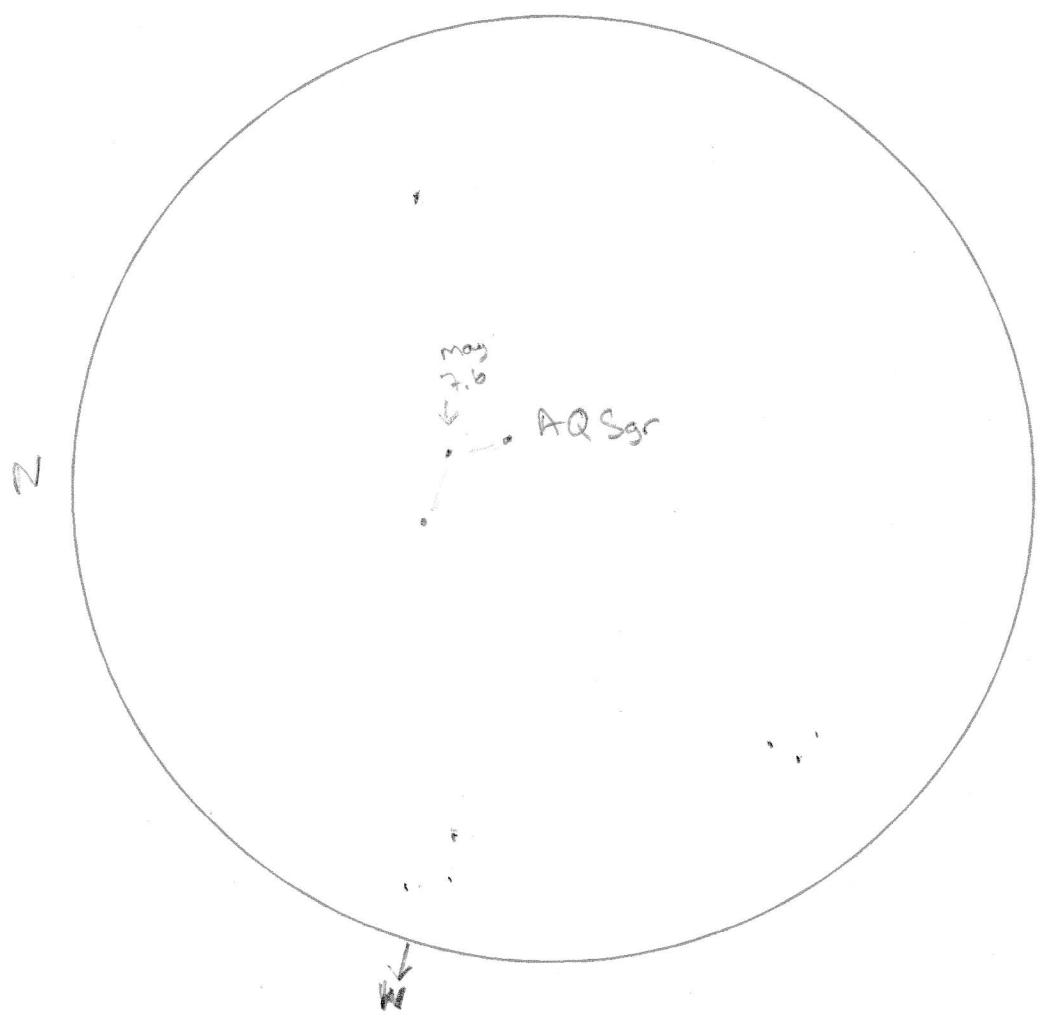
Telescope: C8 +40 mm

Similar in brightness to

Magnification: 51x

adjacent star. Two other

nice triplets to the west.



DAV=Deerlick Astronomy Village, Sharon, GA 33°33'14" N 082°45'37" W
 JWJ=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: TT Cyg

Magnitude Range & Estimation: "7.0-9.1" (7.6)

Time/Date: 11-19-16 9:25 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Half way towards Albireo from

Seeing / Transparency: 4/10 6/10

RY Cyg, on the north side of the

Sky & Session Notes: windy + some

Swan's neck. Bright washed-out

smoke; no clouds; SDM 2.79

orange star, stands out in a

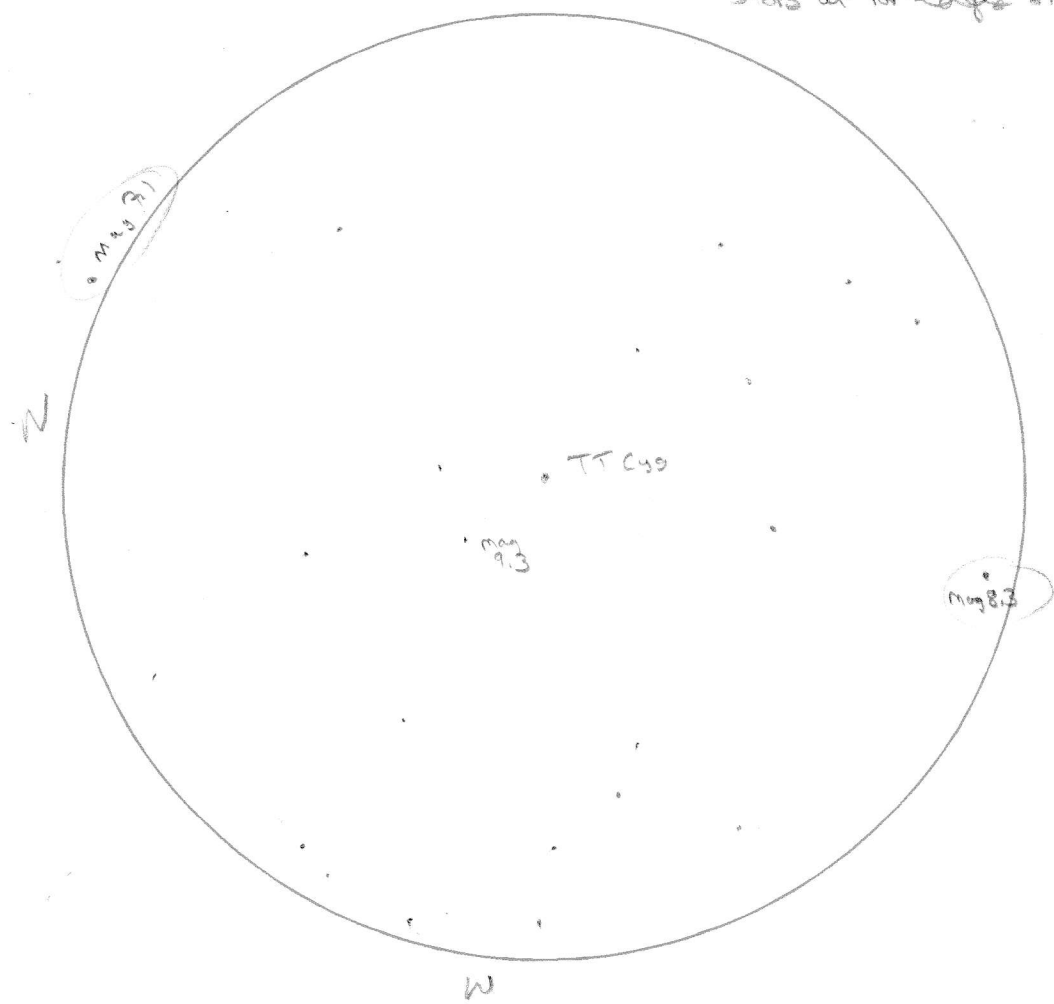
Telescope: C8 + 26mm

busy field of smaller/dimmer stars.

Magnification: 78x

Brightness in between the two circled

stars at far edges of the field.



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 JWf=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: AX Cys

Magnitude Range & Estimation: "7.9-8.8" (8)

Time/Date: 1-19-16 10:22 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pale orange, but bright. Almost

Seeing / Transparency: S 4/10 T 6/10

equal in brightness to a nearby

Sky & Session Notes: windy + some

star, making a triangle with (read by a friend)

smoke; no clouds; 50m 21.79

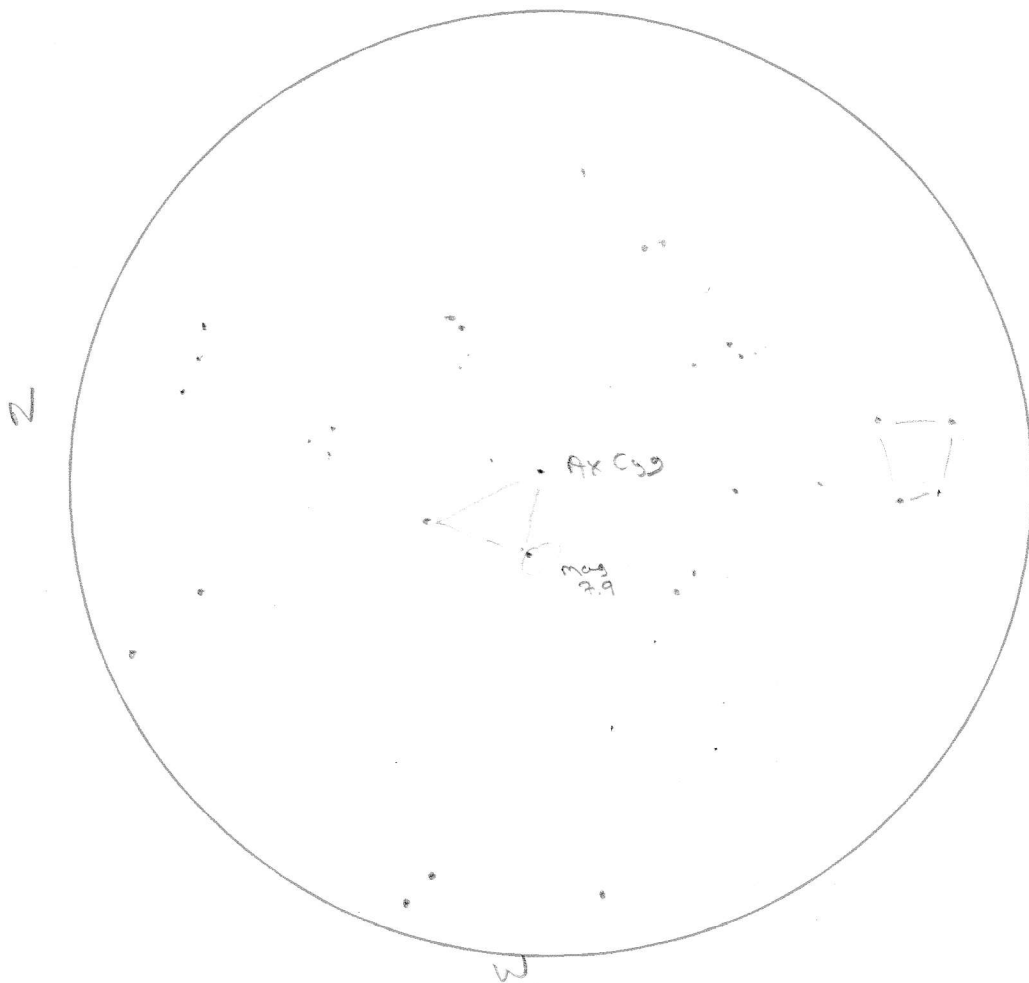
it & one other. A nice box

Telescope: C8 + 24 mm

of 4 stars in the south of the

Magnification: 85x

field.



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 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V 1469 Aql

Magnitude Range & Estimation: "8.4-8.7" (8.4)

Time/Date: 9/30/16 12:40 AM

Located above Altair.

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Similar in brightness to a yellowish star just to the west.

Seeing / Transparency: 5/10 4/10

Sky & Session Notes: No moon clouds thinning

Yellowish orange - not as intensely colored as your typical carbon star.

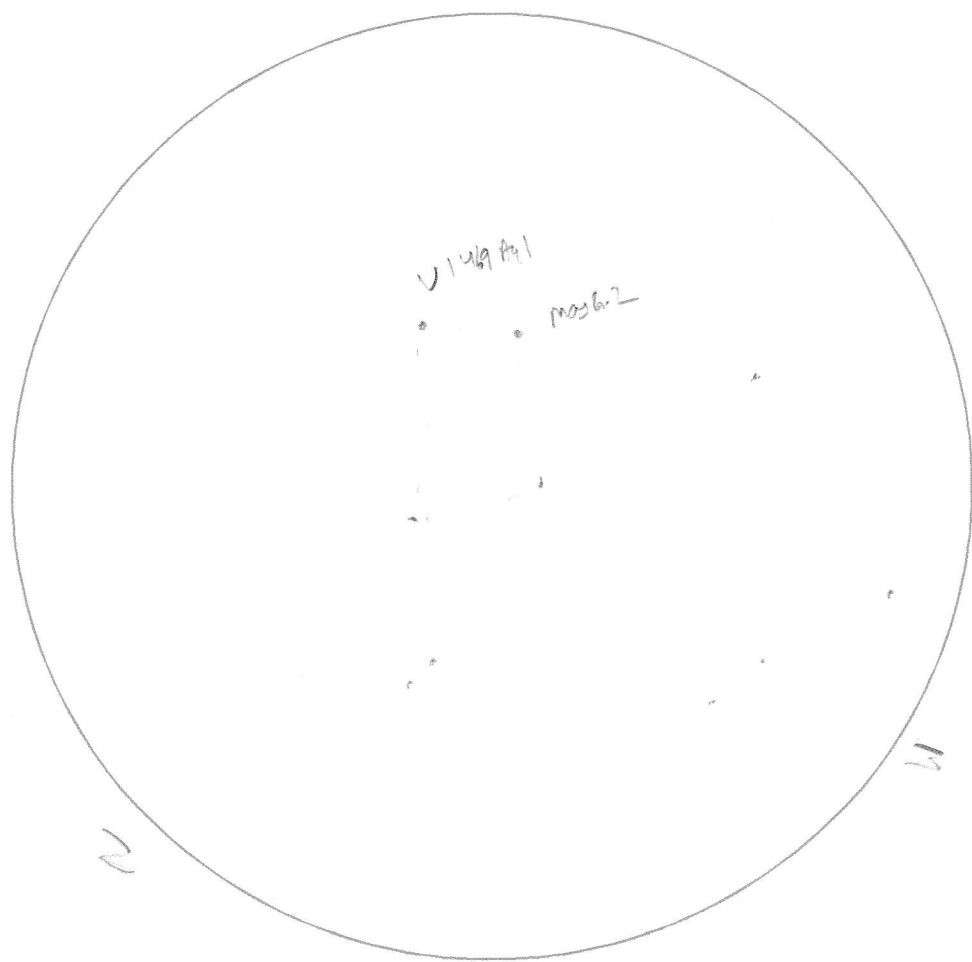
50m 21.65 22°C

Telescope: C8 + 38 SWA

Makes an elongated box w/ 3 other stars.

Magnification: 54X

stars.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: BF Sge

Magnitude Range & Estimation: "8.5-10" 9.2

Time/Date: 11-19-16 9:42 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A muddy orange star in a non-descript

Seeing / Transparency: 4/10 (windy) 6/10 (smoke)

field. About as bright as the circled

Sky & Session Notes: Windy + fire smoke,

star in the south of the field. Took

no moon or clouds; 50m 21.79

me a while to be sure I had this

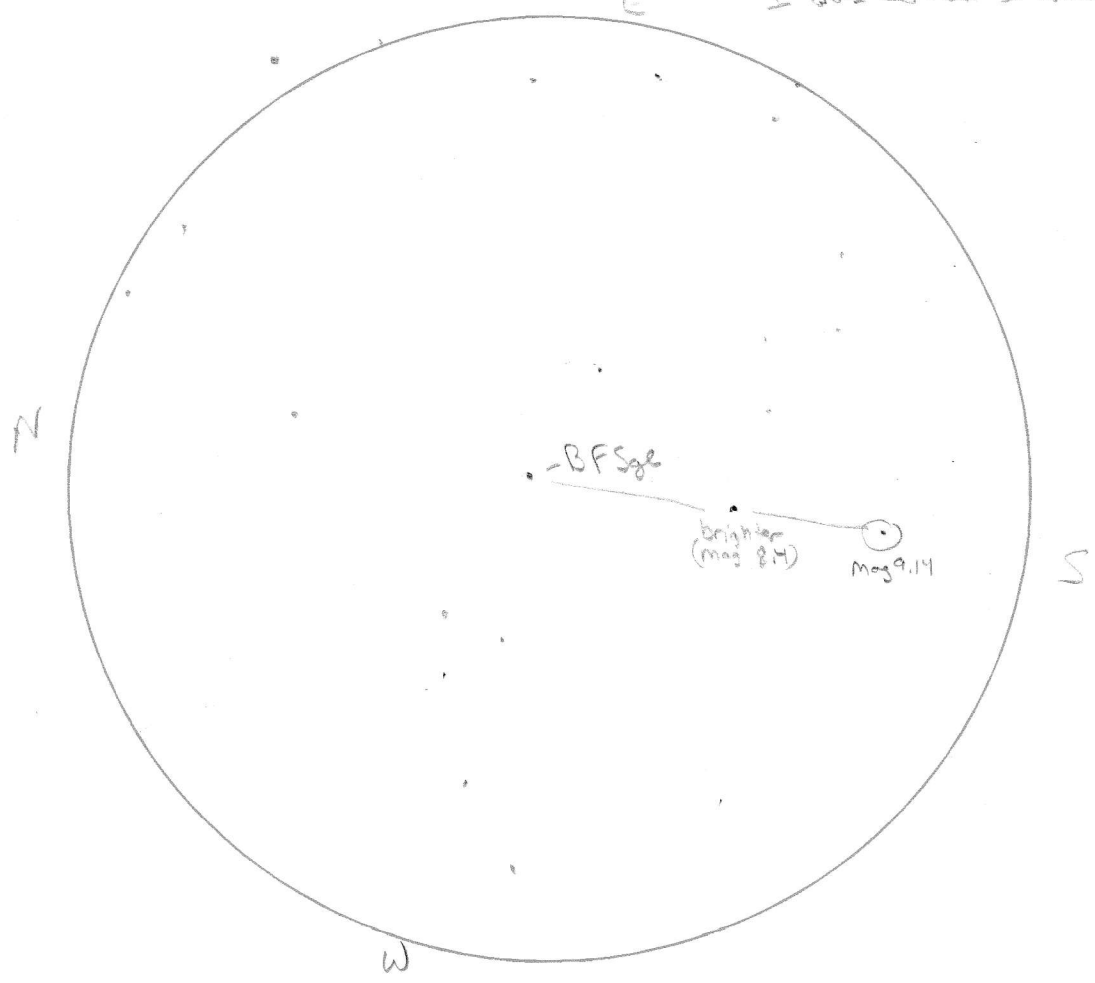
Telescope: C8 + 26mm WF

one. Once I could confirm that it

Magnification: 78x

was in line w/ the two labelled stars below,

E I was certain I found it.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: X Sge

Magnitude Range & Estimation: "7.0-9.7" (8.5)

Time/Date: 1-19-16 10:01 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Neon orange! Much easier to

Seeing / Transparency: 4/10 (windy) 6/10 (smoke)

find than BF Sge. Makes a nice

Sky & Session Notes: windy + some fire smoke;

wide pair with another mag 8 star

no moon or clouds; SOM 21.79

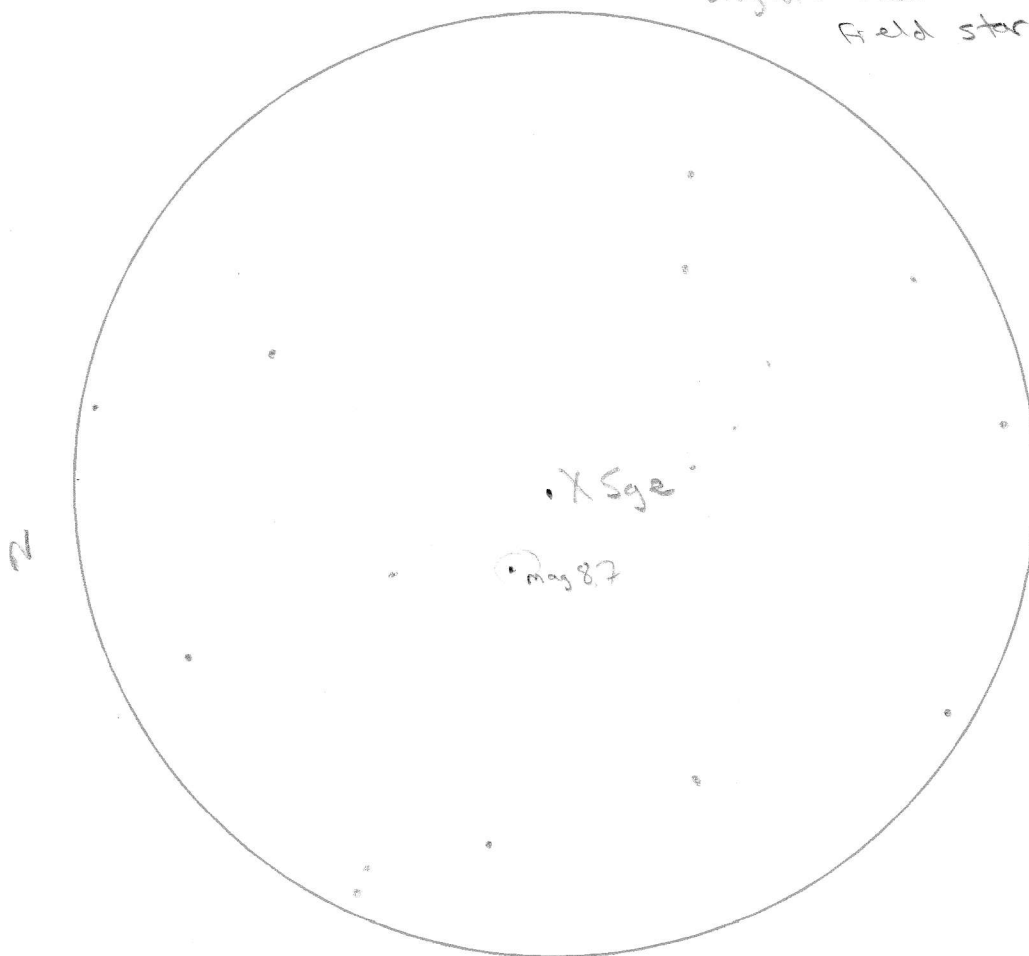
(circled below). Its color + brightness

Telescope: C8 + 26 mm

makes X Sge really stand out.

Magnification: 78X

I'd estimate that it's just a bit brighter than its companion field star.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: SV Cyg

Magnitude Range & Estimation: "8.5-8.7" 8.5

Time/Date: 11-19-16 10:41 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Peachy-orange in color.

Seeing / Transparency: S 4/10 T 6/10

A pretty field with several

Sky & Session Notes: ↑ Windy + some

groups of stars arranged in patterns.

smoke; no clouds; SOM 21.79

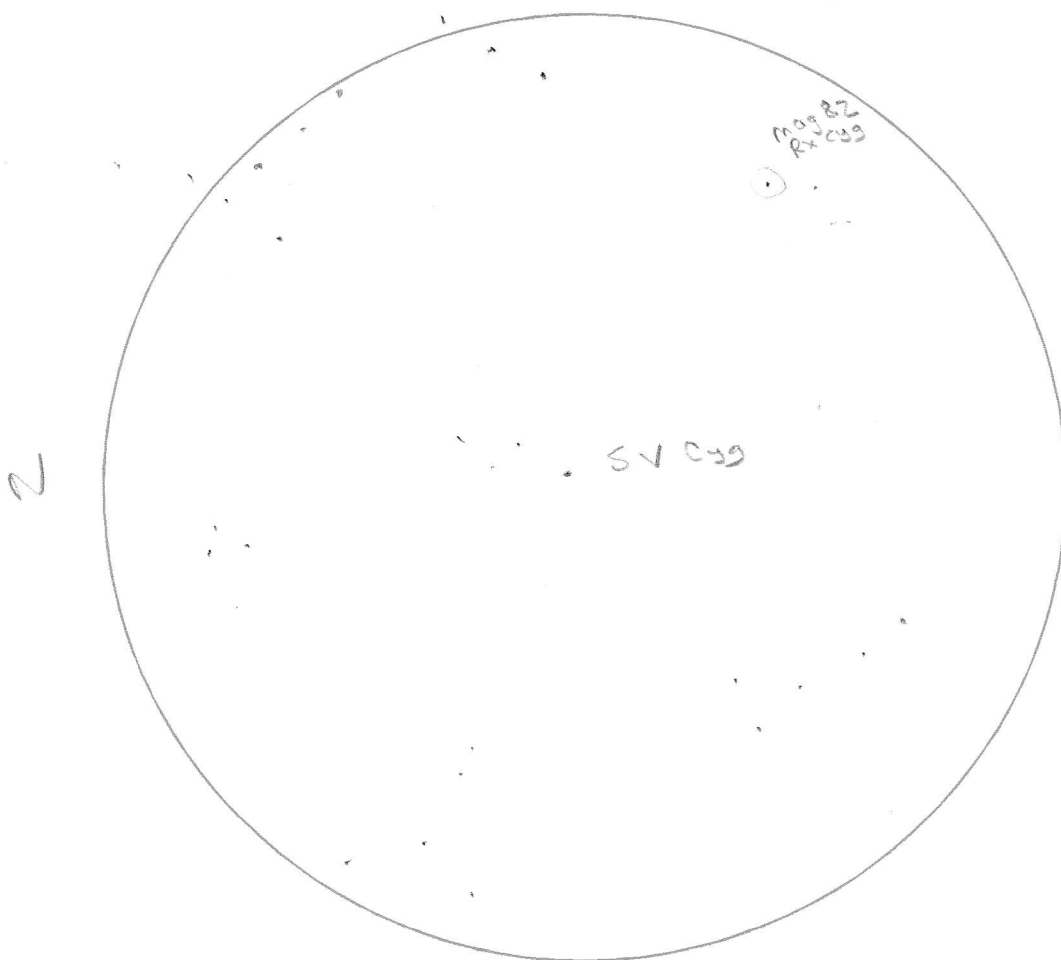
West of "the Omicrons" ≈ U Cyg.

Telescope: C8 + 24 mm

Approximately as bright as the

Magnification: 85x

circled star below, maybe just a bit dimmer.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RY Cyg

Magnitude Range & Estimation: "8.5-10.3" 9.2

Time/Date: 11-19-16 8:52 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Tricky to find - a brighter, pale

Seeing/Transparency: 4/10 6/10

red star very close to it! Busy

Sky & Session Notes: Windy + some

field, only the brighter stars drawn.

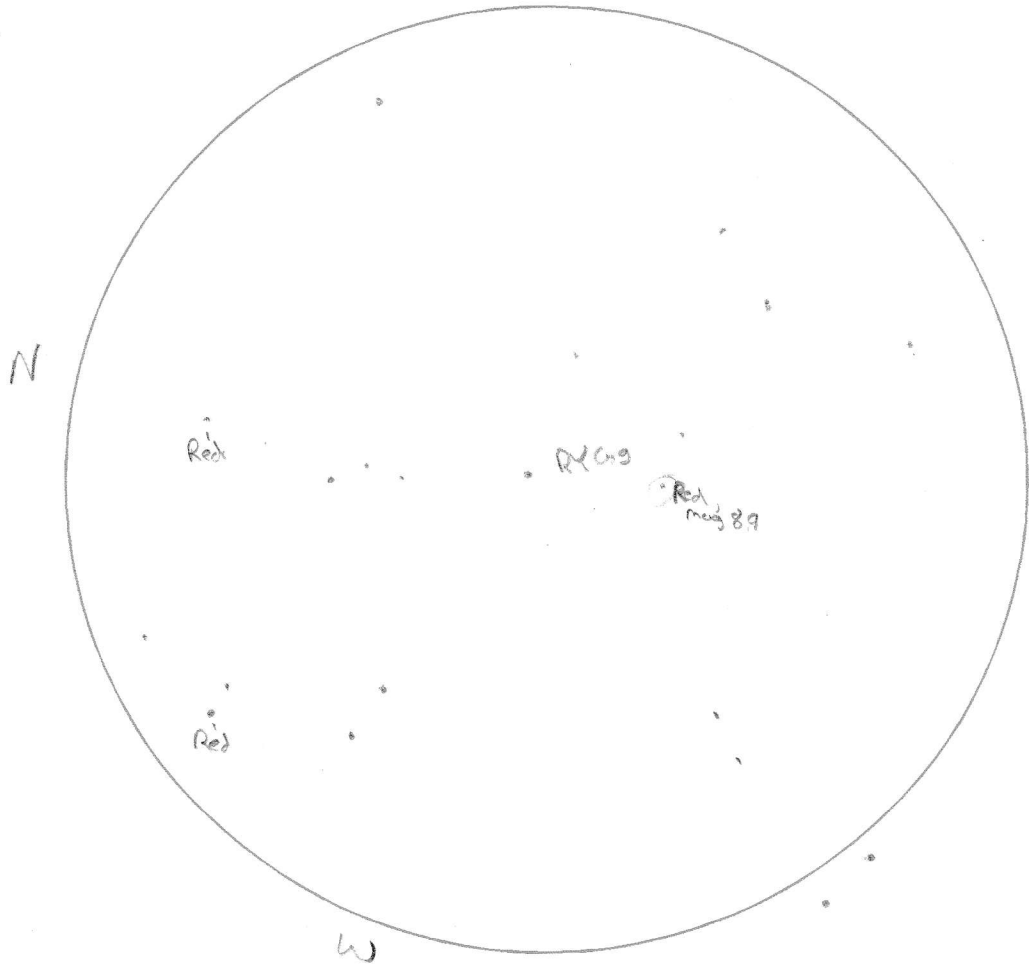
Smoke; no clouds / moon ^{SOM} 21.79

Two other reddish stars on the

Telescope: C8 + 26mm

north side of the field.

Magnification: 78x



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RS Cyg

Magnitude Range & Estimation: "6.5-9.5" (7.3)

Time/Date: 11-19-16 9:11 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Washed-out yellowy orange.

Seeing / Transparency: S4/10 T6/10

Located 3 fields or so directly

Sky & Session Notes: windy = some

up the neck from Sadr. RS Cyg

Smoke; no clouds; SQM21.79

make a squarish triangle w/ 2 other

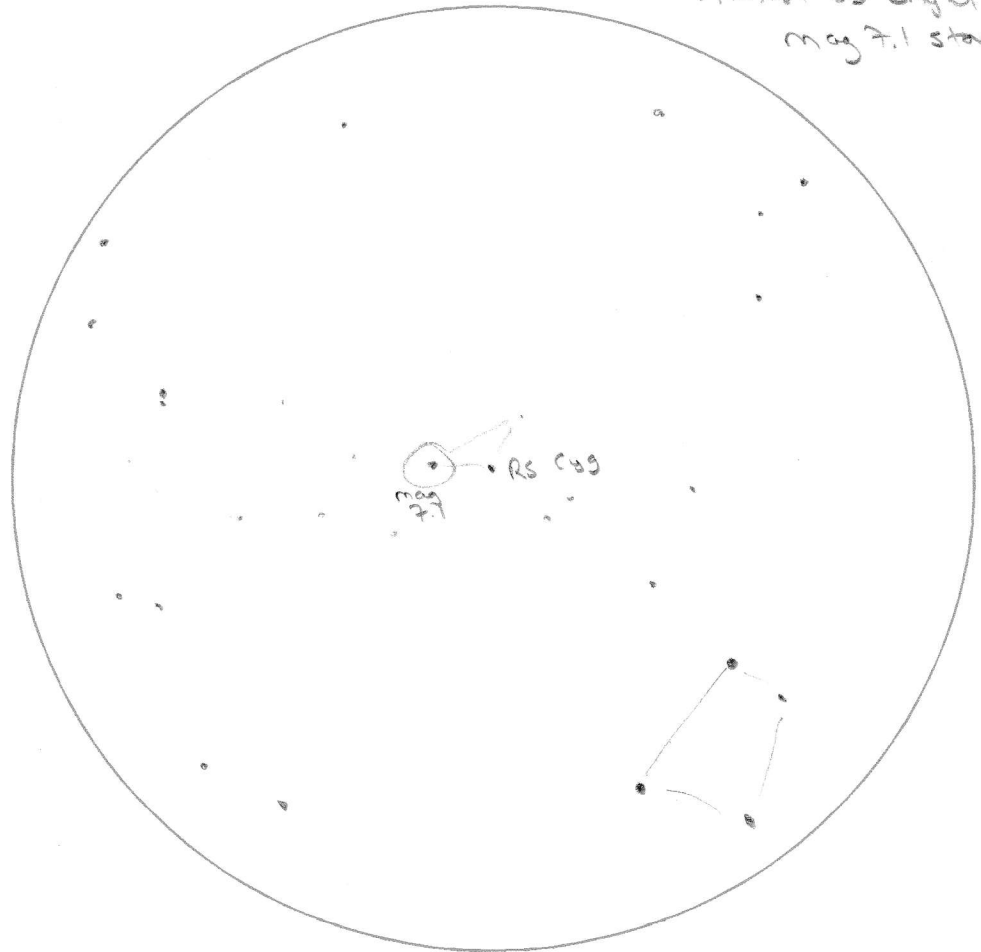
Telescope: C8 + 26mm

stars. A bright box of 4 skewed stars

Magnification: 78x

lies on the SW edge of the field

Almost as bright as circled mag 7.1 star in the sketch.



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 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RT CAP

Magnitude Range & Estimation: "7.0-8.1" 8

Time/Date: 11-19-16 7:04 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Quite bright - mag gold orange!

Seeing / Transparency: 4/10 (windy) 6/10 (smoke)

Very nice & easy to find - the same

Sky & Session Notes: windy + some smoke

distance outside the edge of Capricorn's west side

from fires; no clouds SDM 21.79

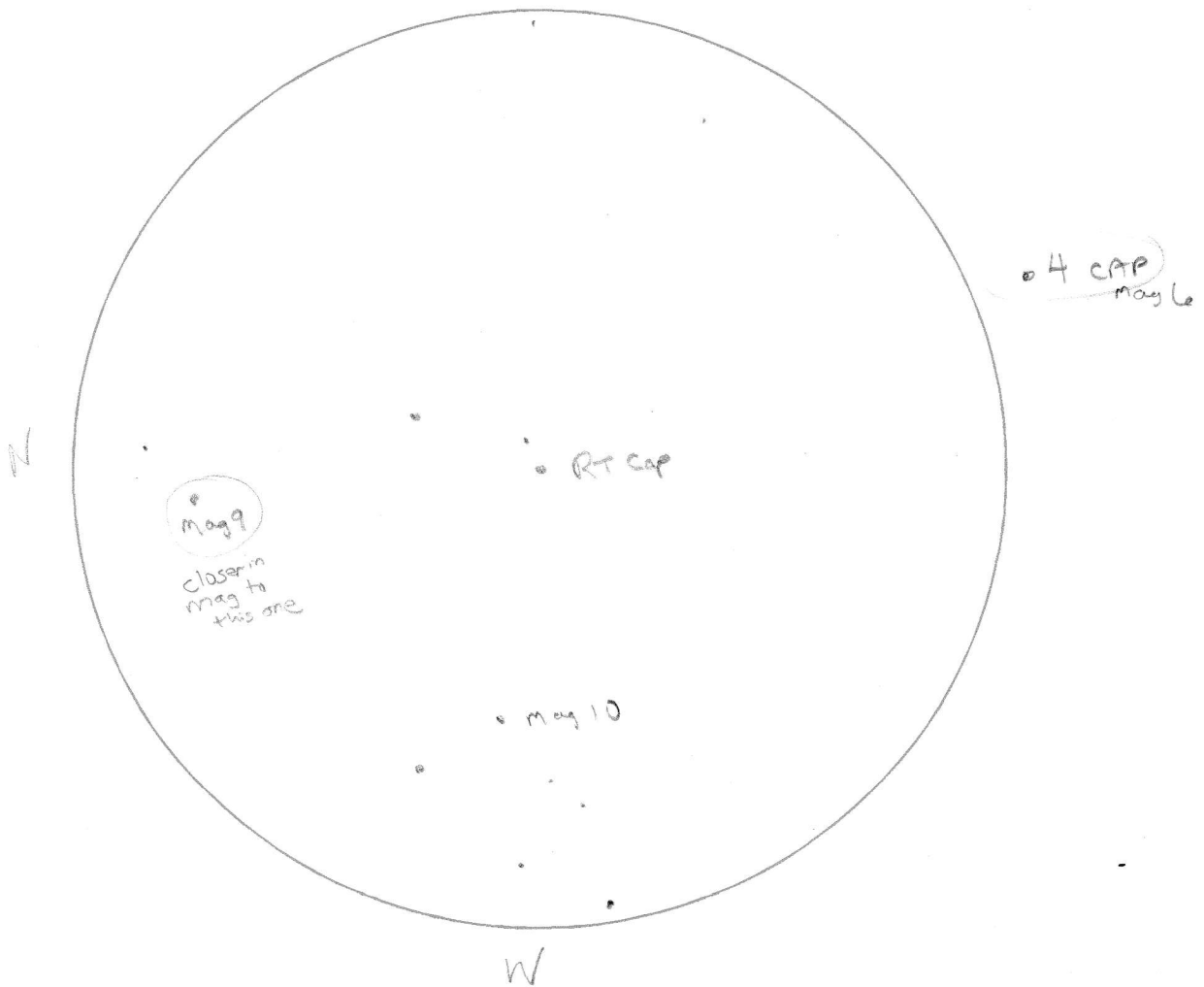
as Mars is to the inside. ☺

Telescope: C8 + 26mm

Brightness about midway between

Magnification: 78x

that of the two circled stars.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: u Cyg

Magnitude Range & Estimation: "5.9-12.1" (10)

Time/Date: 11-19-16 10:54pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A very pretty orange sherbet

Seeing/Transparency: S⁴/₁₀ T⁶/₁₀

color. Similar in magnitude to

Sky & Session Notes: windy + some

circled star below. Located almost

smoke, but no clouds; sdm 21.79

due E of micron 2 Cyg. u Cyg

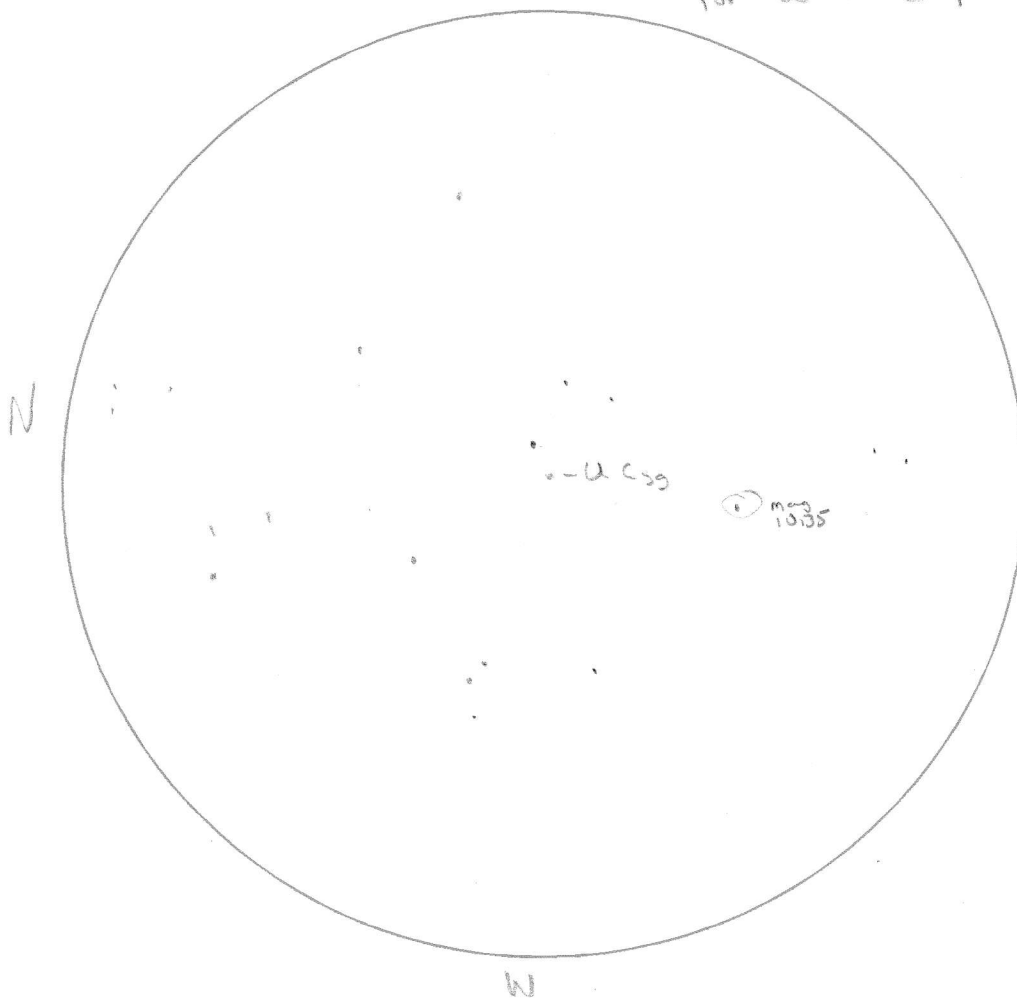
Telescope: C8 +24mm

sits next to a bright fieldstar

Magnification: 85x

which is noticeably yellow, making

for a nice pair.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V Cyg

Magnitude Range & Estimation: "7.7-13.9" (10.5)

Time/Date: 11-19-16 11:12pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Wow! Is this a screamer!

Seeing/Transparency: S 4/10 T 6/10

Zingy = piercing bright cherry

Sky & Session Notes: Windy = some
residual smoke, no clouds, 21.79^{50m}

red! This is the most

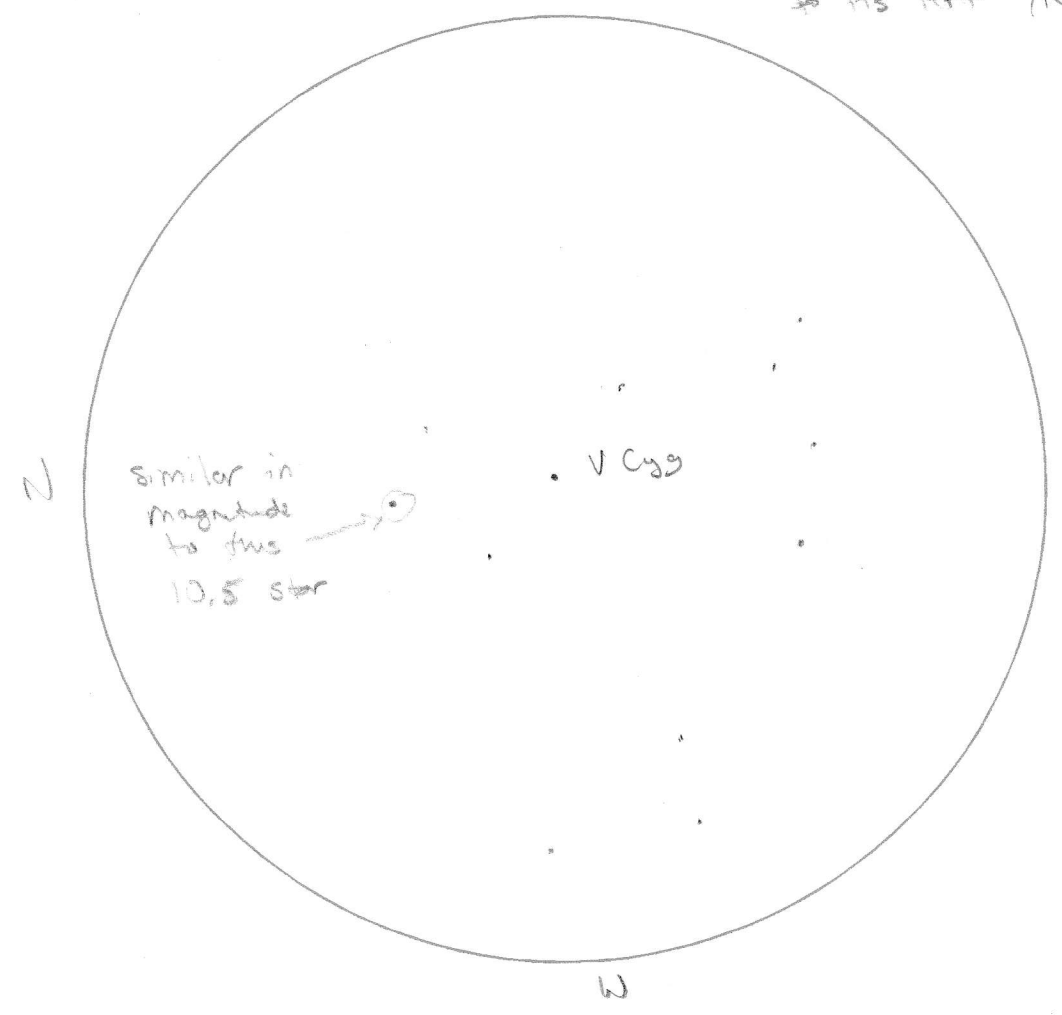
Telescope: C8 + 24mm

intensely red star of the evening,

Magnification: 85x

maybe even of the year!

Nice right angle of stars just
to its "left" (N).



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: CY Cyg

Magnitude Range & Estimation: 7.9-8.4 (8.4)

Time/Date: 11-19-16 11:29 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Not very red, but more of a creamy

Seeing / Transparency: 5% 7%

apricot color. Bright 55 Cyg at

Sky & Session Notes: Windy + some smoke

the edge of the field to the east.

No clouds SQM 21.79

Deneb is two fields to the SW.

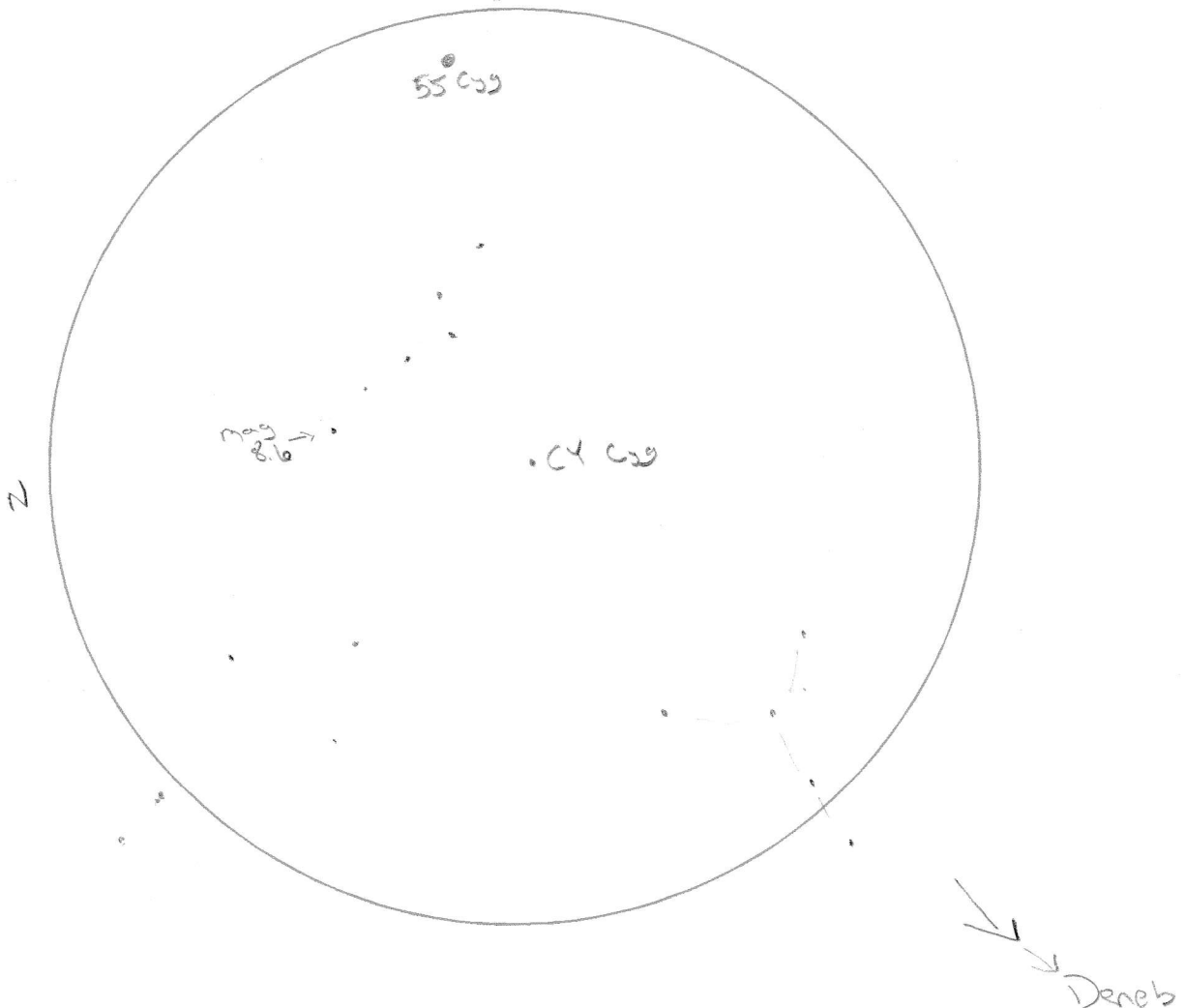
Telescope: C8 + 24 mm

A "Y" asterism of 4-5 stars lies in

Magnification: 85x

the SW of the field, a floating sea-serpent

asterism is on the NE side.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: SAO 106516 Del

Magnitude Range & Estimation: "7.9-8.1" (8.2)

Time/Date: 11-19-16 8:30pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pale yellowy orange. Make a

Seeing/Transparency: 4/10 (windy) 6/10 (smoke)

Nice dup with another yellowy

Sky & Session Notes: windy + fire smoke;

star close by. Had to use 'mountain

no moon; SQM 21.79; 10°C

range' line of field stars to the SW

Telescope: C8 + 26mm

to determine which was the

Magnification: 78x

carbon star.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: NSV 13571 Vul

Magnitude Range & Estimation: "8.1-8.2" (8.1)

Time/Date: 11-19-16 11:46 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very little color, only a pale

Seeing/Transparency: 4/10 (windy) 6/10 (smoke)

yellow tinge. A linear cradle of

Sky & Session Notes: windy + some fire

4 stars crosses the field

smoke; no clouds; SQM 21.79

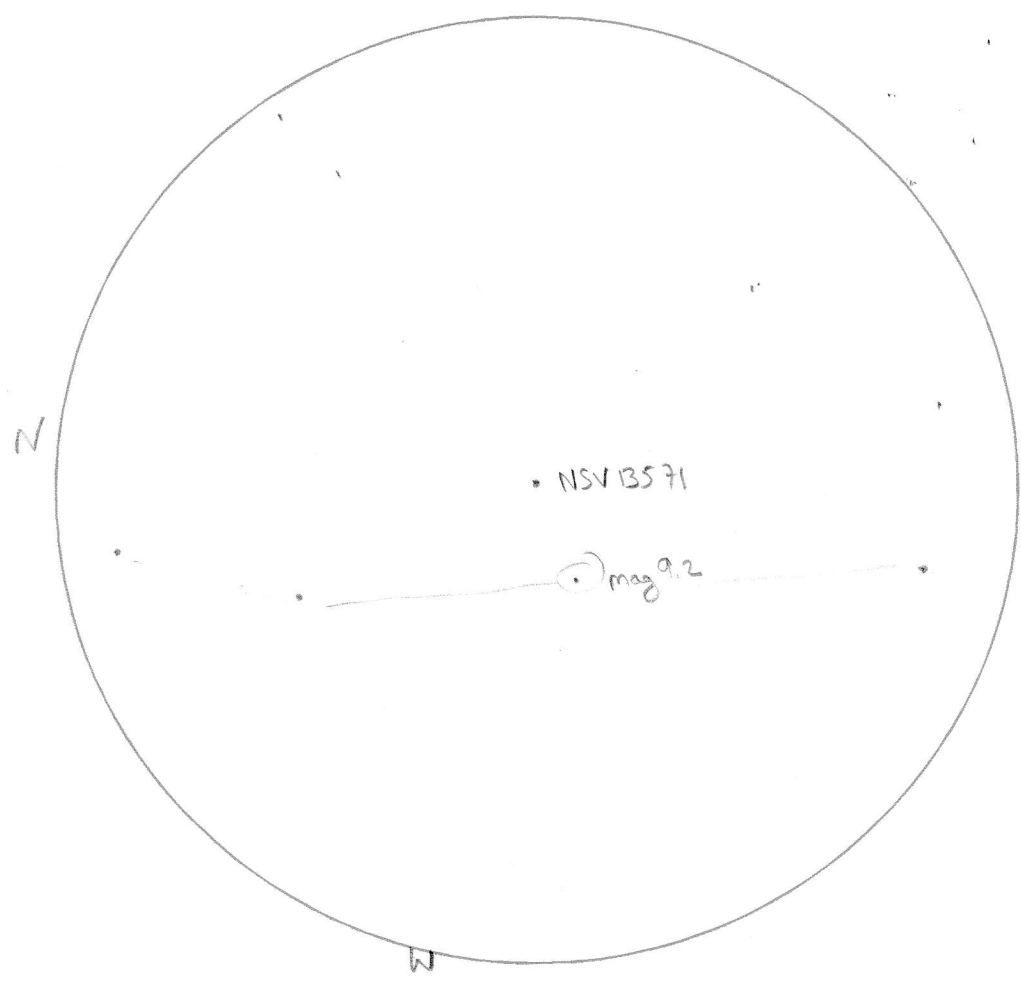
underneath it to the west.

Telescope: C8 + 26mm

About a full mag brighter than

Magnification: 78x

the bright star beneath it (circled).



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: S Cephei

Magnitude Range & Estimation: 7.4-12.9 (8)

Time/Date: 12/1/16 7:07 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV 12/1/16

Stunning - bright - very

Seeing / Transparency: 4/10/8/10

orange. Brightest star in

Sky & Session Notes: SDM 21.76 10%

the field! Looks like a

no moon

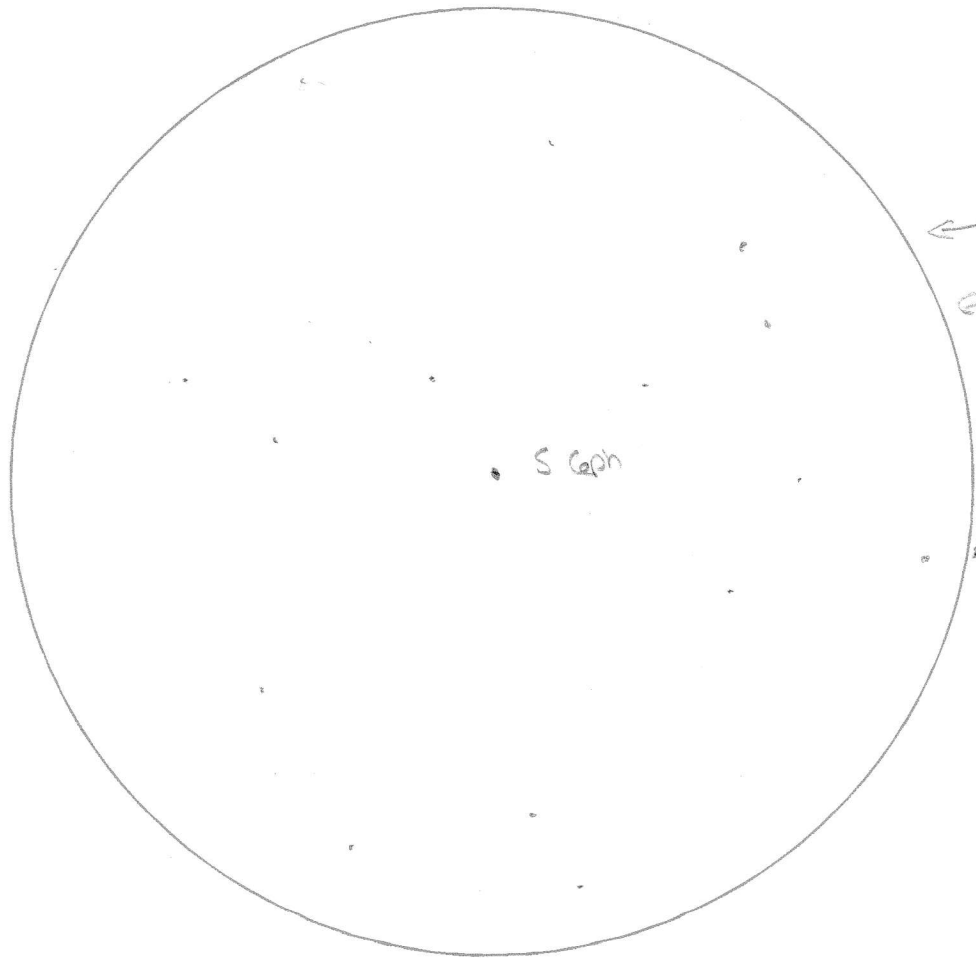
bright little pumpkin.

Telescope: C8Sct + 26mm

About a mag brighter than

Magnification: 78x

the indicated field stars



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: DS Peg / V460 Cyg

Magnitude Range & Estimation: "5.6-7.0" (6)

Time/Date: 12/1/16 6:50 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brighter than S Cephei, but a

Seeing / Transparency: 4/10 8/10

creamier orange color. Another

Sky & Session Notes: SQM 21.76
no moon 10°C

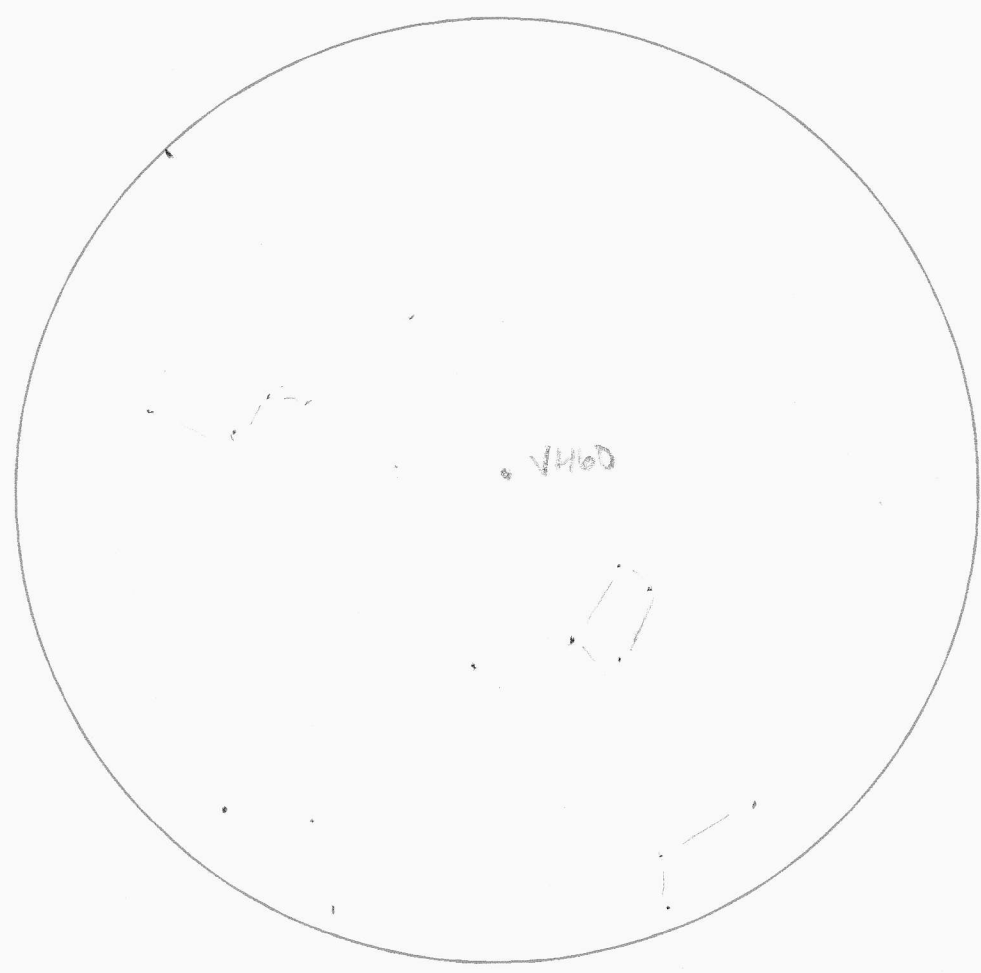
field star to the west.

Telescope: C8 + 26mm

A faint little box of stars

Magnification: 78x

lies to the south



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 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RV Cyg

Magnitude Range & Estimation: "7.1-9.3" (8)

Time/Date: 12/1/16 7:23 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Considerably dimmer than 79 Cyg (mag 5.7);

Seeing / Transparency: 4/10 8/10

in between in brightness of the

Sky & Session Notes: no moon 10°C

two indicated field stars (mag

windy! sam 21.76

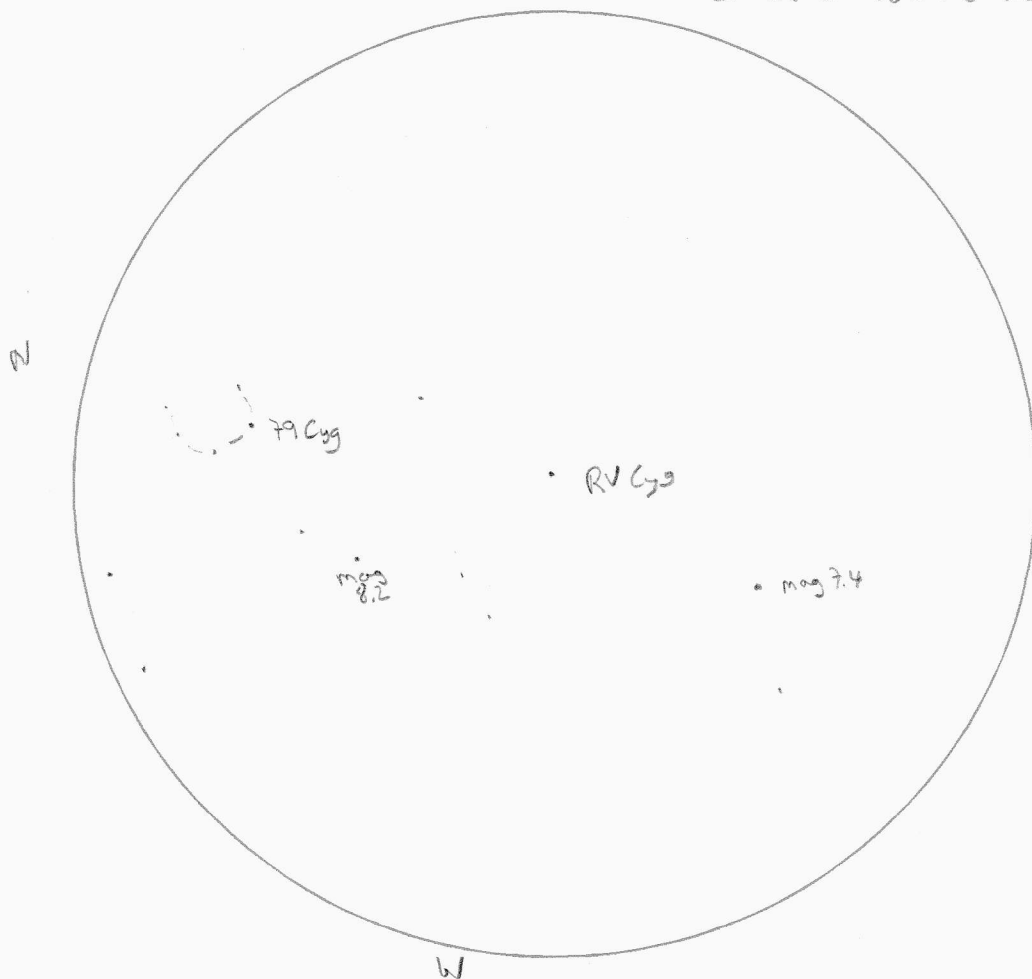
8.24 mag 7.4). Easy to spot

Telescope: C8 + 26mm

due to its dusky orange color.

Magnification: 78x

An interesting "U" shaped arrangement of stars to the north side with 79 Cyg.



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 JWAF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Rx Peg/Cyg

Magnitude Range & Estimation: "7.7-9.5" (9.0)?

Time/Date: 12-1-16 7:40 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

About a half dozen mag 9 & 10 stars

Seeing / Transparency: 4/10 8/10

scattered to the south side of this (brighter)

Sky & Session Notes: 50m 21.76

star. Not too hard to find very

no moon but windy!

Kappa? Iota to triangulate to

Telescope: C8 = 26 mm

it. A nice burnt orange.

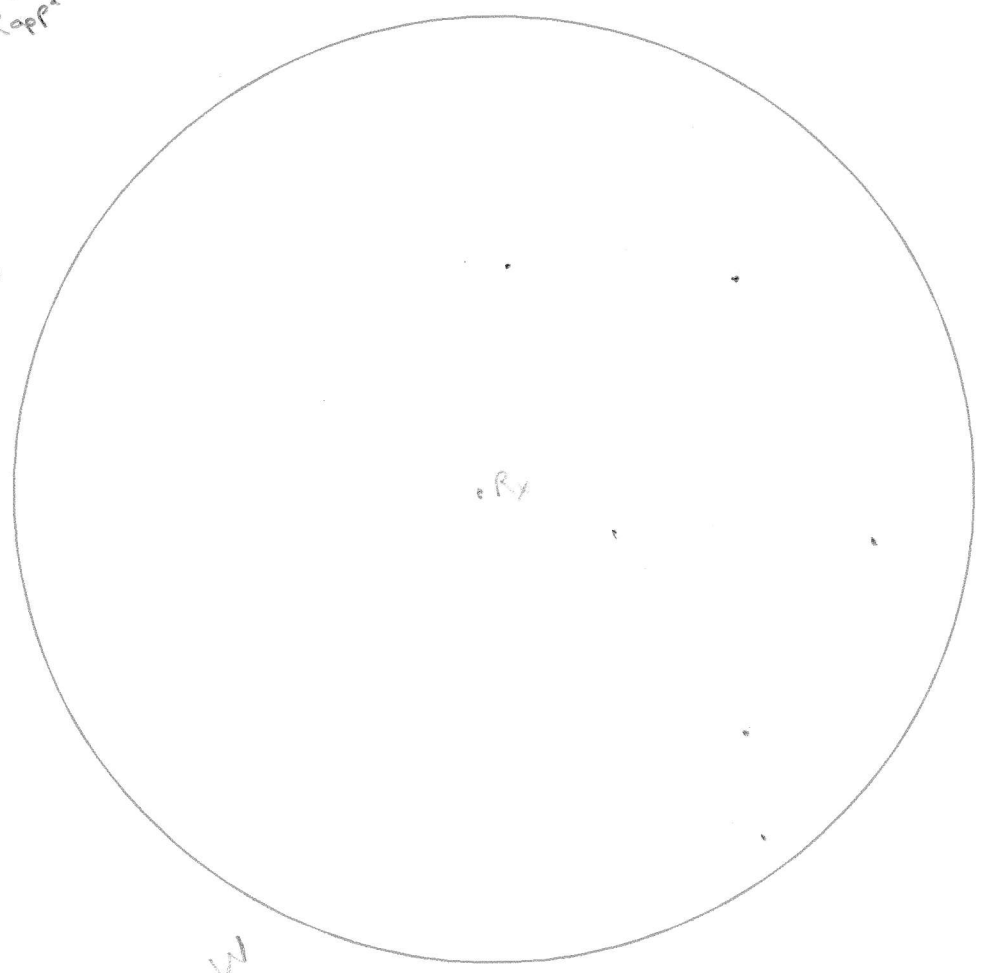
Magnification: 78x

↑
Kappa

N

← Iota

W



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RZ Peg

Magnitude Range & Estimation: "7.6-13.6" (11)?

Time/Date: 12/1/16 7:56 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A crimson-tinged orange star, ~10

Seeing/Transparency: 4/10 8/10

off of the twin hoof stars (P₁, P₂)

Sky & Session Notes: SOM 21.76

of Pegasus. A triangle of mag 10

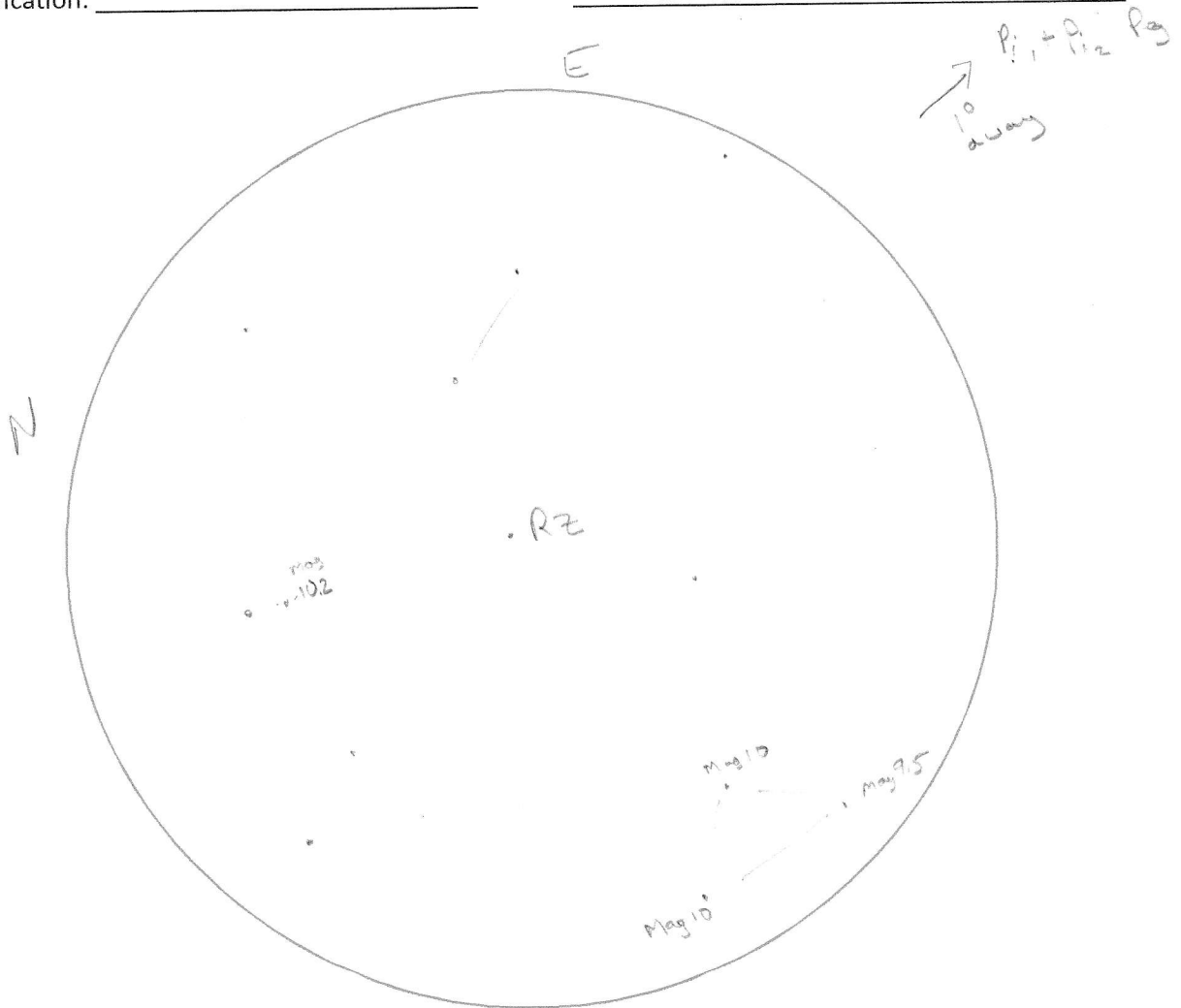
no moon but windy 10°C

stars is to the SW. A wide pair

Telescope: C8 + 26 mm

of mag 8 stars lies to the N.E.

Magnification: 78x



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JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RU Aqr

Magnitude Range & Estimation: "8.5-10.1" (9)

Time/Date: 11/19/16 7:17 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Could not detect any color.

Seeing / Transparency: 4/10 (windy) 6/10 (smoke)

A nice arc of 4+ stars lies at

Sky & Session Notes: Windy + some fire smoke;

the S edge of the field. A tight

no moon 50m 21.79 10°C

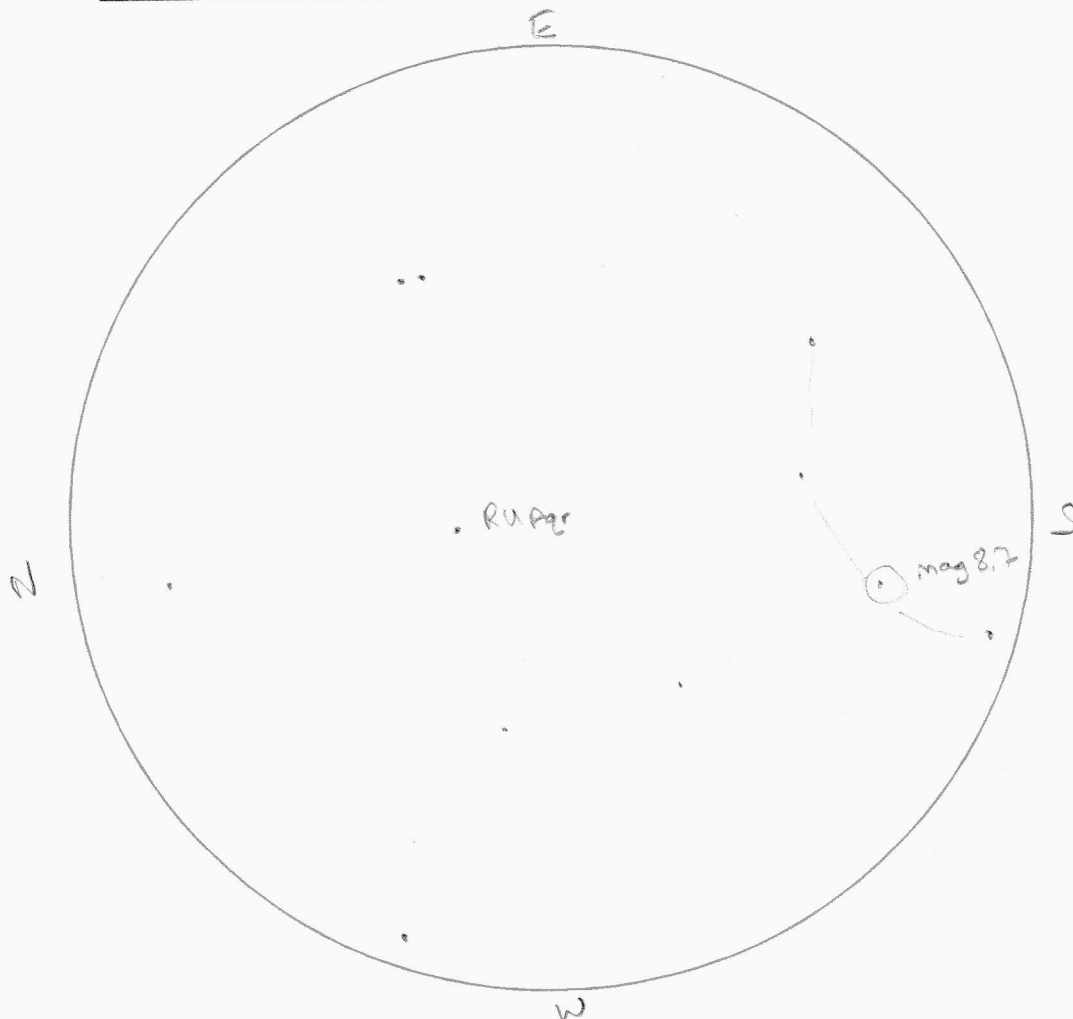
pair of cat eyes lies in the NE.

Telescope: CB = 28mm

Almost as bright as the circled star

Magnification: 78x

in the arc to the south.

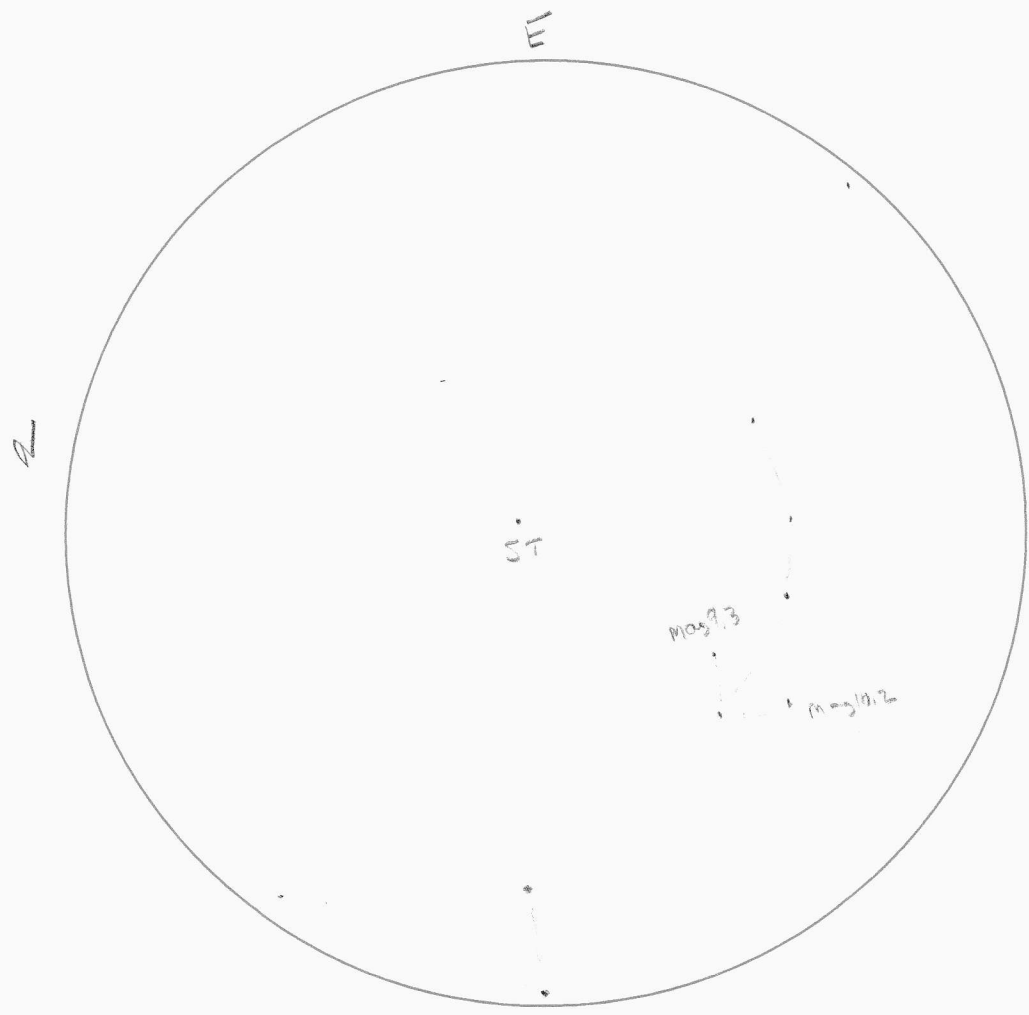


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 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Object name: ST And
 Time/Date: 12-1-16 8:11pm EST
 Observing Site: DAV 8:11pm EST
 Magnitude Estimation: "7.7-11.8" (9.6)
 Sky: Transparency 8/10 Seeing 4/10
 Session notes: Windy! no moon 10°C
 Telescope: C8 + 26mm
 Magnification: 78x

Detailed description & sketch with 5 field stars,
 if possible: Pale peach in color.
Two nice groups of brighter
stars in the field; a curved
arc to the South and a bright
pair to the West. Not as bright as
the 9.3 Fs, but definitely brighter
than the 10.2 Fs.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: 19 Psc (Tx Psc)

Magnitude Range & Estimation: "4.8-5.2" (5+)

Time/Date: 11-19-16 7:34pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Wow! Blazingly bright, cantelope

Seeing / Transparency: 4/10 (windy) 9/10 (smoke)

melon colored. Much brighter

Sky & Session Notes: windy + some Arc smoke,

than anything else in the field,

no moon; 50M2179 10°C

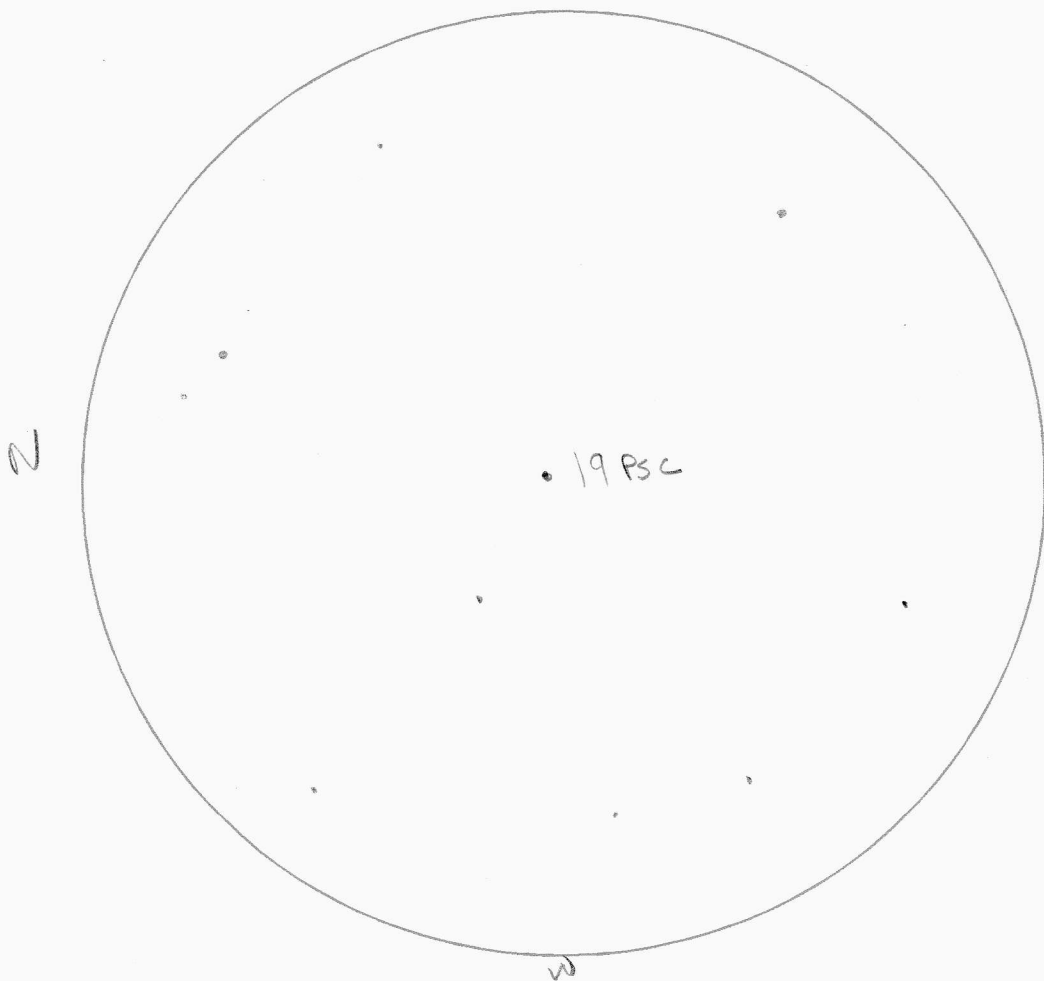
so hard to estimate. Nearby

Telescope: L8 + 26mm

Lambda Psc is 4.5, 19 Psc

Magnification: 78x

is at least 1/2 mag less bright



λ Psc

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JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: SAO 128396 Psc

Magnitude Range & Estimation: "8.5-8.8" (8.2)

Time/Date: 11/19/16 7:49pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Just a hint of blue to this one.

Seeing / Transparency: 4/10 (windy) 6/10 (smoke)

Halfway between Iota's omega Psc,

Sky & Session Notes: Windy + some fire smoke;

so easy to find. One of the

no moon; Sam 21.79 10°C

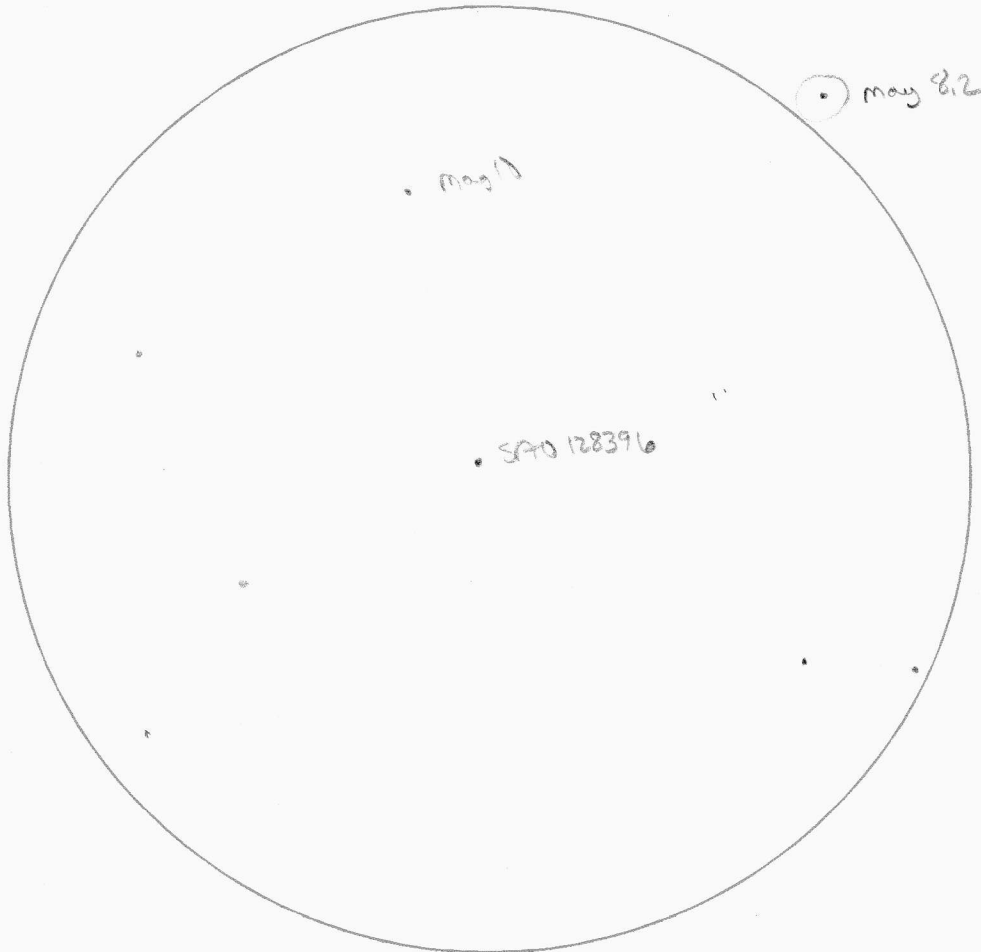
brighter stars in a relatively

Telescope: C8 + 26mm

empty field. Similar in brightness

Magnification: 78x

to star circled below. (Brighter than the estimates)



DAV=Deerlick Astronomy Village, Sharon, GA 33°33'14" N 082°45'37" W
 JWF=Jon Wood Astronomy Field, Mansfield, GA 33°28'08" N 083°44'07" W