

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: WZ Cas

Magnitude Range & Estimation: 6.9 - 11.0 (7.2)

Time/Date: 12-16 10:22pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

What a field! WZ is a beautiful
ruddy orange - very striking!

Seeing/Transparency: 6/10 8/10

Another orange star lies to the
N/E edge of the field.

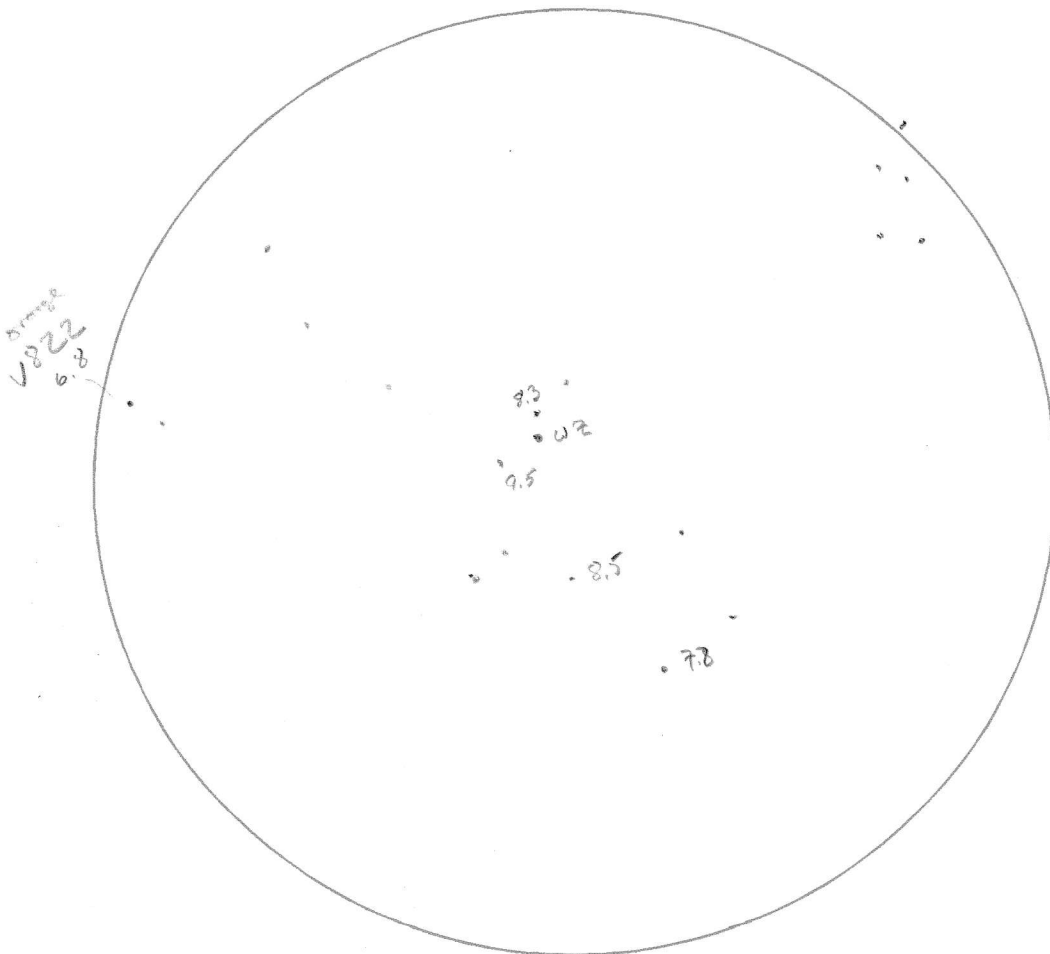
Sky & Session Notes: Windy, no moon

50m 2176 10°C

Telescope: SC7 C8 +26mm

Located just NW of Capth.

Magnification: 78x



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: Su And

Magnitude Range & Estimation: "8.0-8.5" (8.4)

Time/Date: 12-1-16 9:06pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Near a tiny doublet, this

Seeing/Transparency: 4/10 8/10

copper colored star is in a

Sky & Session Notes: Windy 10°C

grouping which looks like a

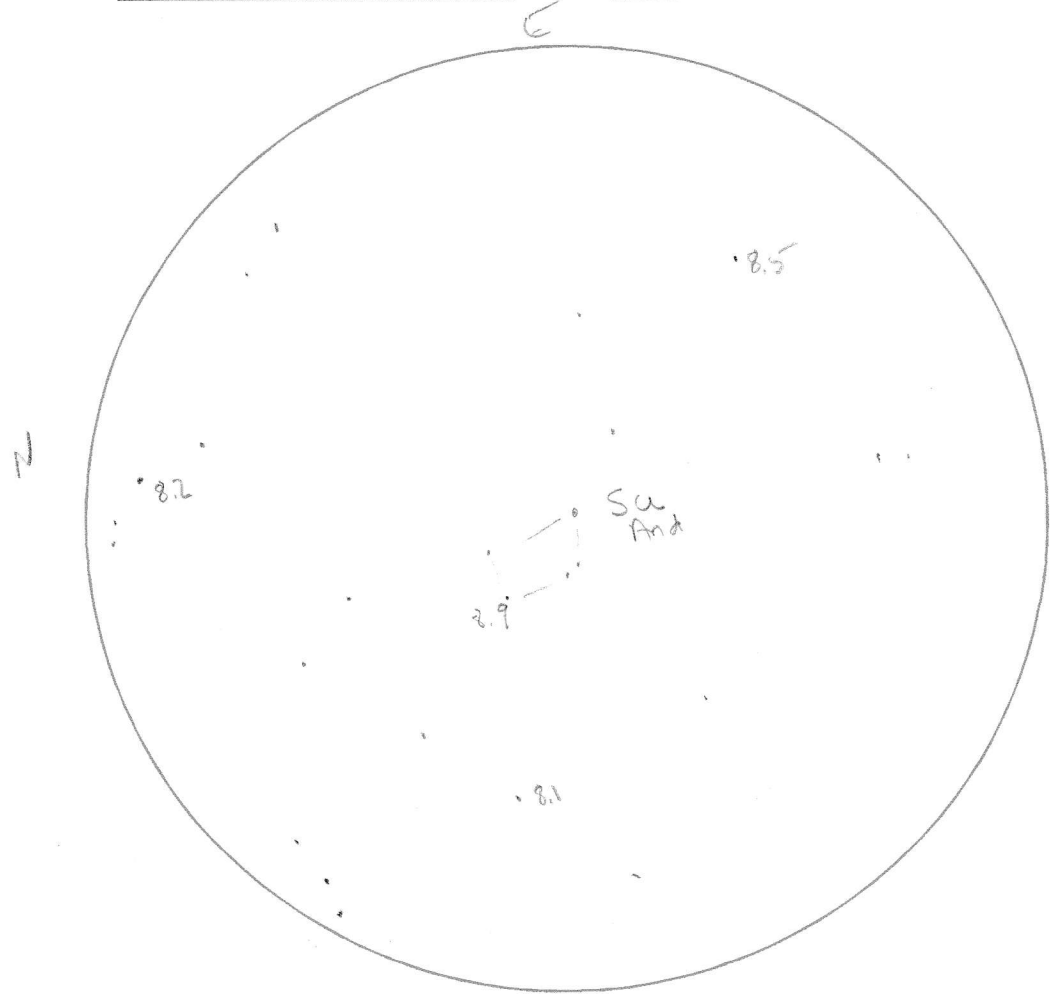
SQM 2.76 no moon

smaller version of Lyra.

Telescope: C8 26mm

Made me smile.

Magnification: 78x



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: SAD 109003
HD26 Psc

Magnitude Range & Estimation: "8.2-8.3" (8.3)

Time/Date: 12-1-16 9:39 PM EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brightest star in the field, so
hard to estimate brightness.

Seeing / Transparency: 6/10 8/10

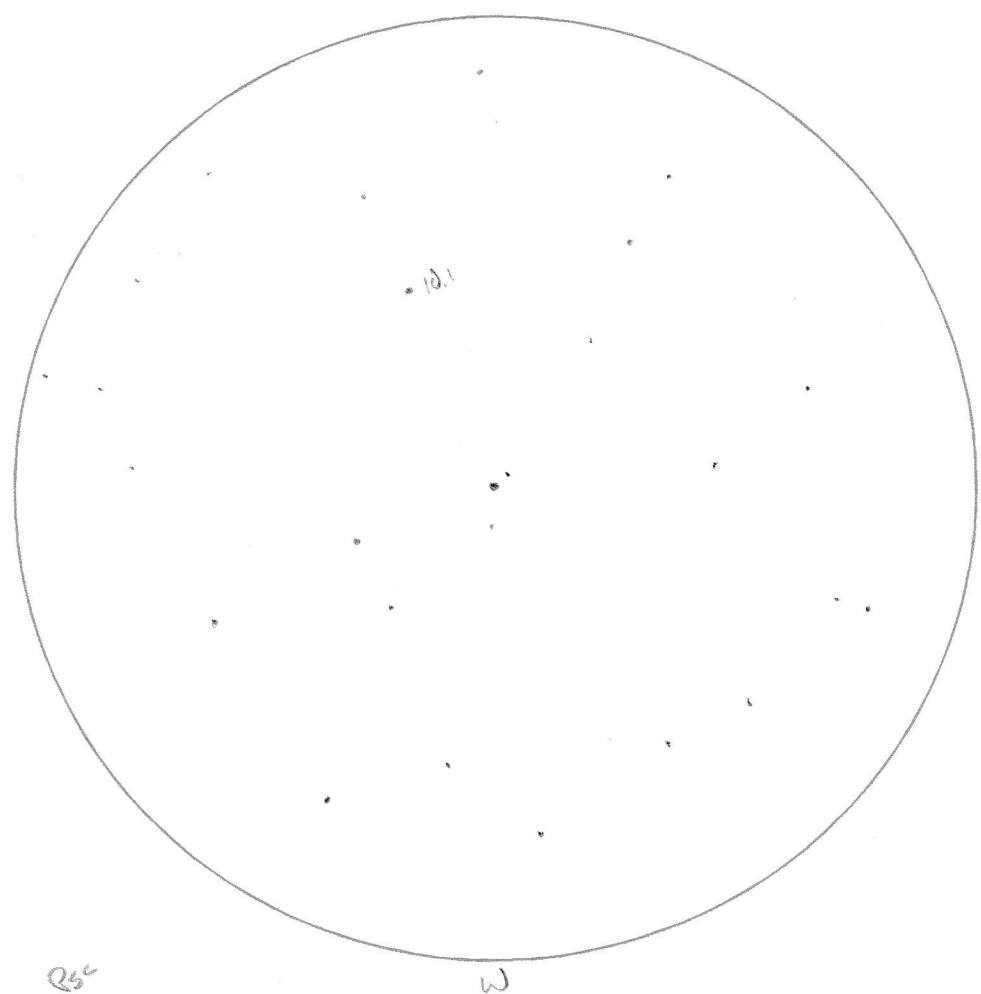
Sky & Session Notes: windy, no moon

No color, so had to find by
looking for 31 Psc & Psc & then
triangulate to it. Has a tiny
companion star next to it.

SQM 2.76 10°C

Telescope: C8 26mm

Magnification: 78x



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: VX And

Magnitude Range & Estimation: "7.8-9.3" (7.7)

Time/Date: 12-1-16 8:39 pm ET

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Seems a bit brighter than the given magnitude range, approx. equal to the

Seeing/Transparency: 4/10 8/10

indicated field star below. A solid medium red, about halfway between

Sky & Session Notes: Windy! no moon

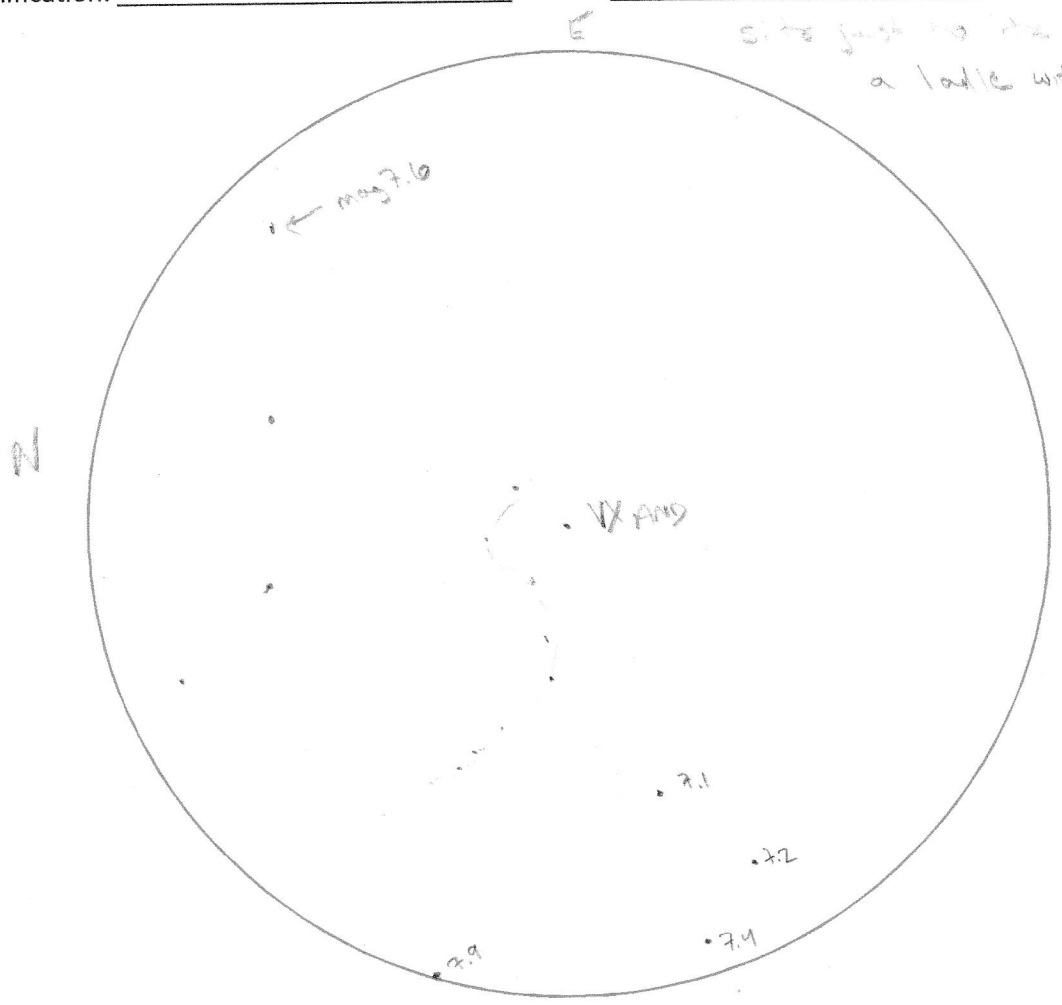
Shedra (Cas): Alpheratz. A

SRM 21.76 10°C

beautiful array of little stars
site just to the N.W., like
a ladle with a handle.

Telescope: C8 26mm

Magnification: 78x



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 And

Magnitude Range & Estimation: "6.9-8.6" 8.0

Time/Date: 12-1-16 8:50pm BT

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Just west of the bottom streamer

Seeing/Transparency: 4/10 8/10

of Andromeda. A very light

Sky & Session Notes: Windy! no moon

orange colored star in a sparse

SQM 21.76 10°C

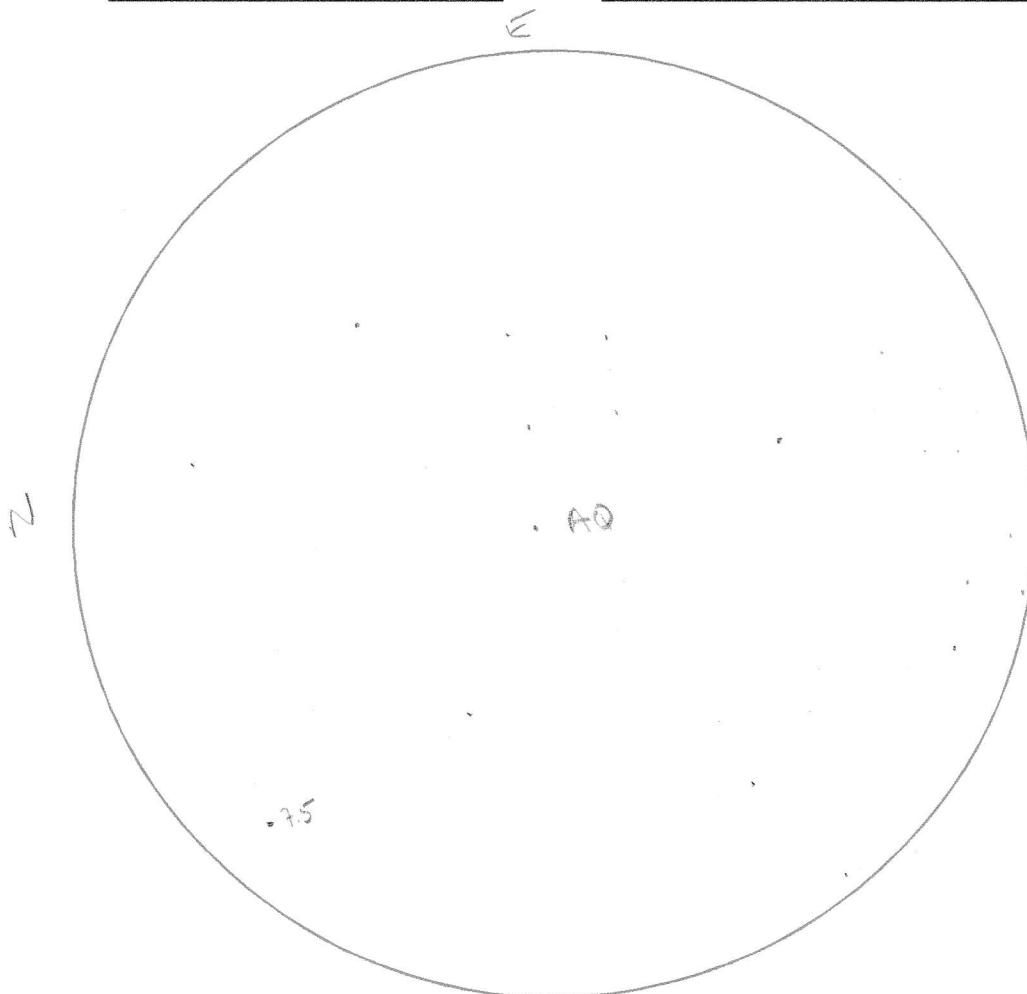
field. Not too hard to find, but

Telescope: C8 26mm

not very interesting. About a 1/2 mag

Magnification: 78x

brighter than the indicated field star.



CARBON STAR OBSERVATION LOG

Object name: NSV 15196 And

Time/Date: 12/1/16 8:28 PM EST

Observing Site: DAV

Magnitude Estimation: "8.3-8.7" (8.3)

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: Could not detect color in

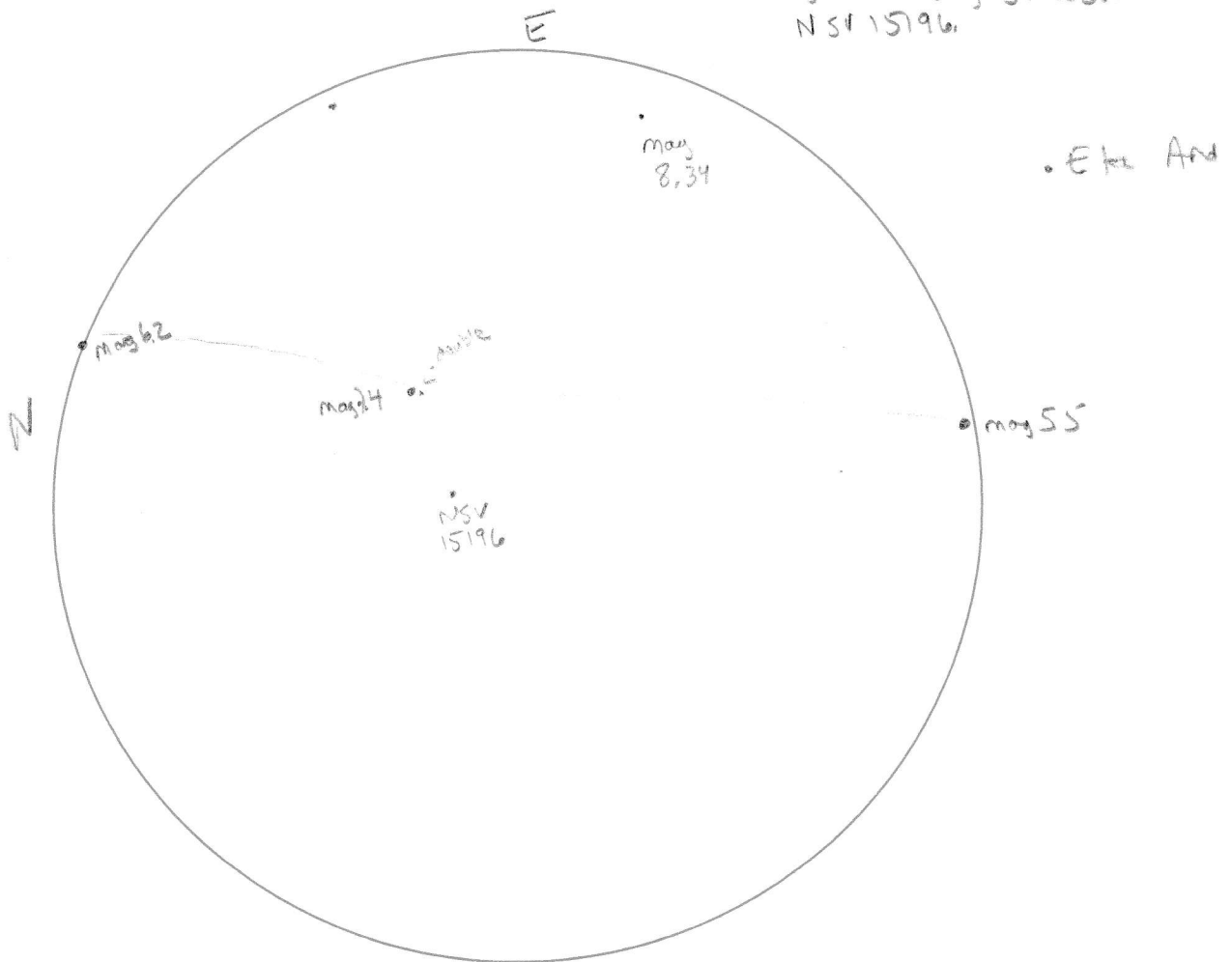
this star. (Had to triple-check
star charts to confirm it was the

correct star.) A rather empty

field. A very unequal double star

lies to the ENE. This double

is 2 others form a widely spaced N-S line
of 3 bright stars just above
NSV 15196.



← 20th And

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: W Cas

Magnitude Range & Estimation: "7.8-12.5" (10.5)

Time/Date: 12-1-16 10:01 pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A gloty orange star to the

Seeing/Transparency: 6/10 8/10

South of Upsilon 1 & Upsilon 2.

Sky & Session Notes: Windy, no moon

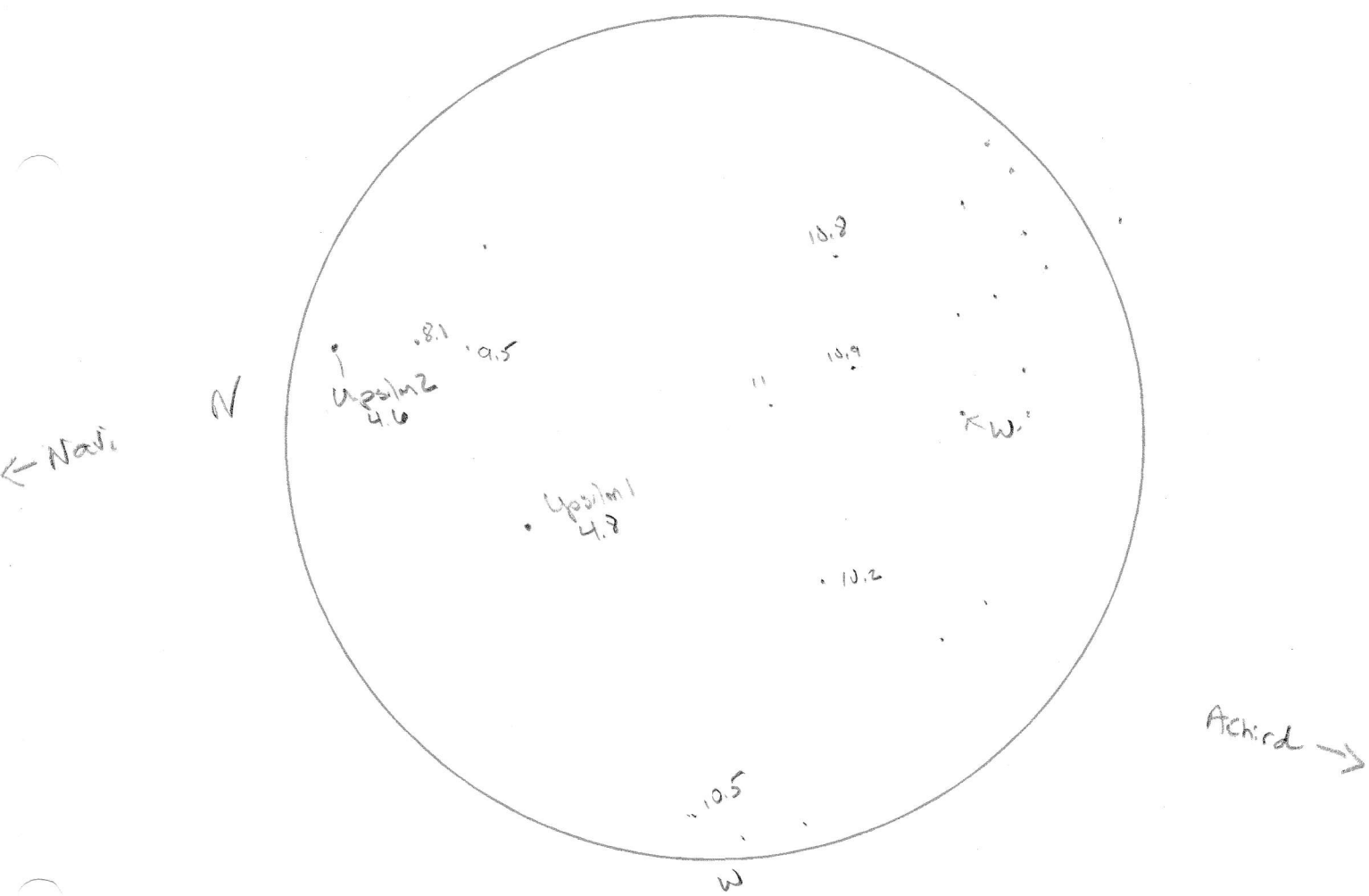
Makes a shallow triangle

SDM 21.76 10°C

with Navi & Achird

Telescope: C8 -26mm

Magnification: 78X



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: z Psc

Magnitude Range & Estimation: "6.5-7.9" 7?

Time/Date: 12-1-16 9:22pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Easy to find - in a sparse dim

Seeing/Transparency: 4/10 8/10

field, centered between ϕ & σ

Sky & Session Notes: windy 10°C

Psc. (Hard to estimate brightness

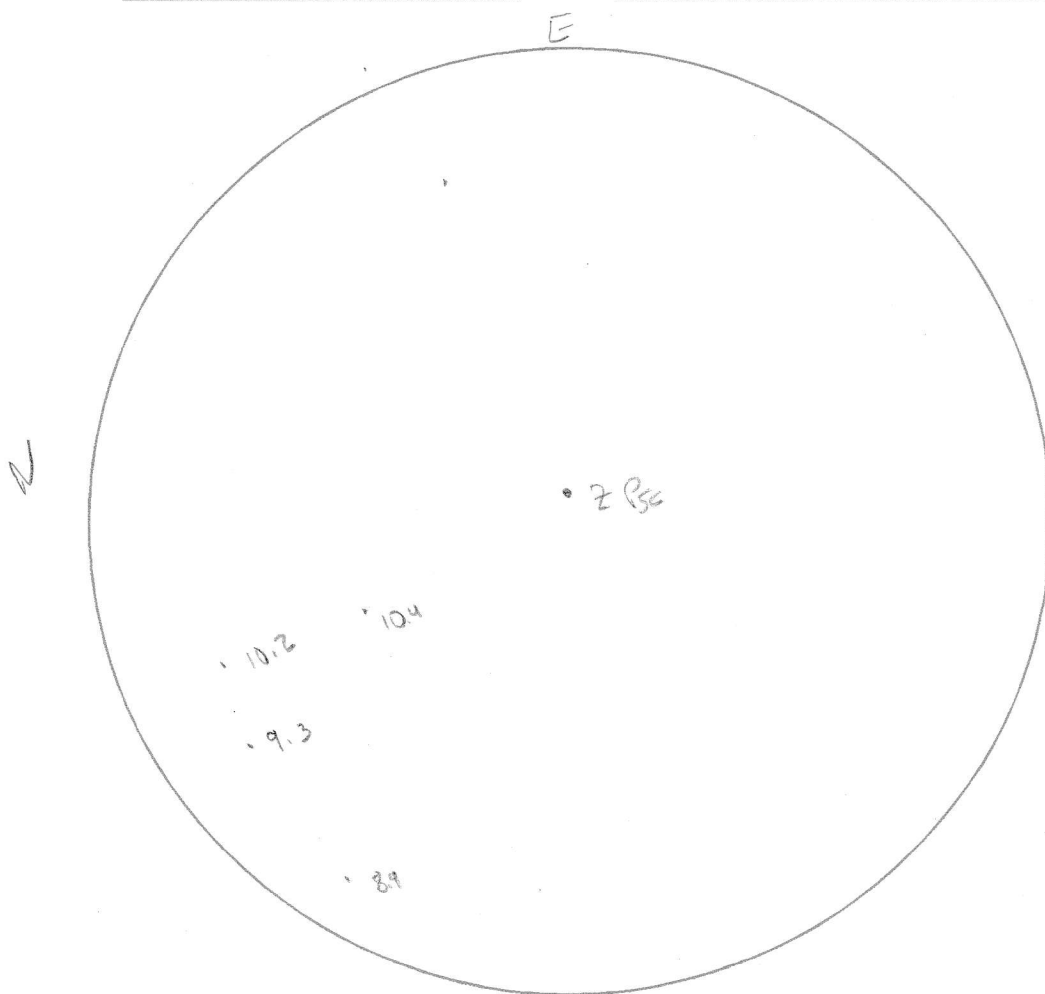
SQM 21.76 no moon

since the field has so few to compare

Telescope: C8 26mm

with) Yellow-orange.

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: V Ari

Magnitude Range & Estimation: "8.3-10.8" 8.6

Time/Date: 12-1-16 10:33pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

SW of on imaginary line between

Seeing / Transparency: 6/10 8/10

Men Kar & Hamal, in a rather

Sky & Session Notes: windy, no moon

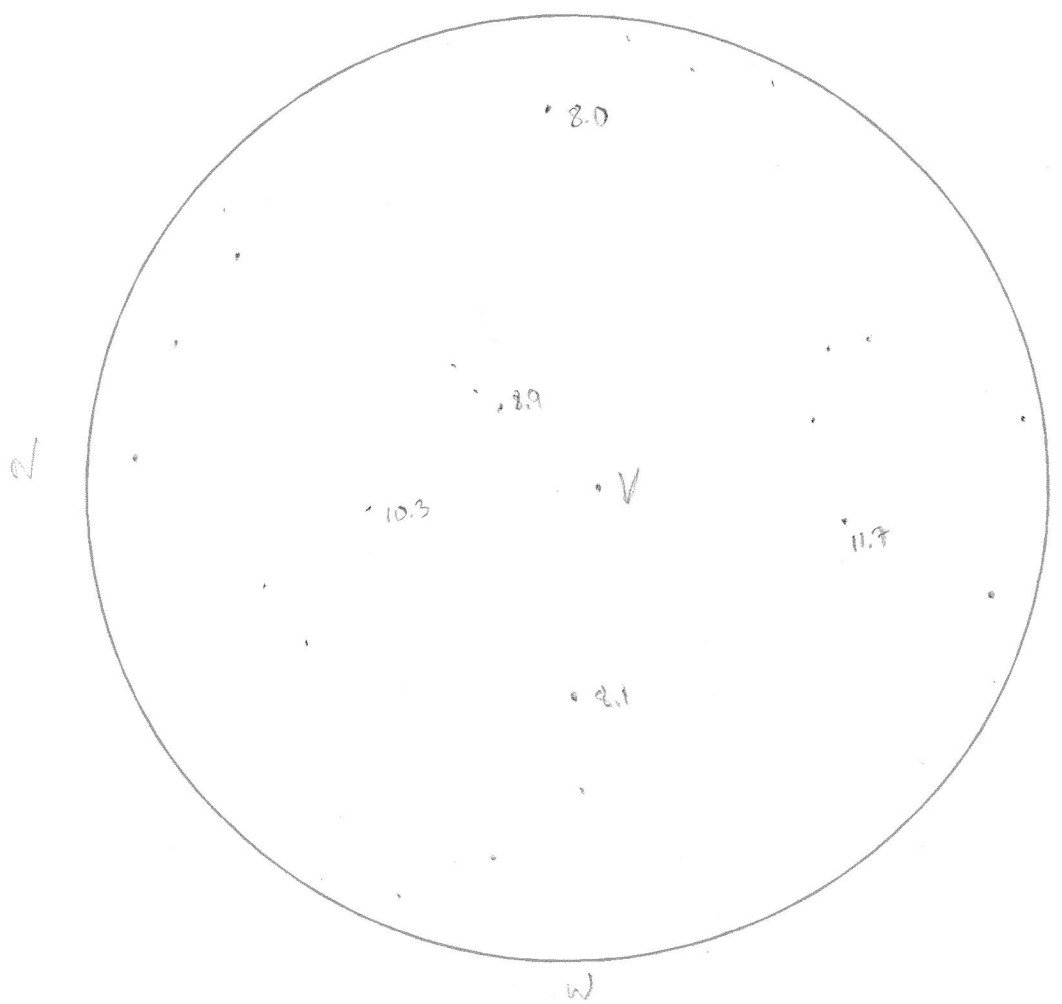
starspase area. Vri is slightly

SQM 21.76 10°C

yellow.

Telescope: C8 + 26mm

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: SAD 129989 Cet
HD 16115

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

Time/Date: 12-1-16 10:52pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

South of a wide pair of orangey
(77, 80 cet)
mag 5 catseyes. Star itself

Seeing / Transparency: 6/10 8/10

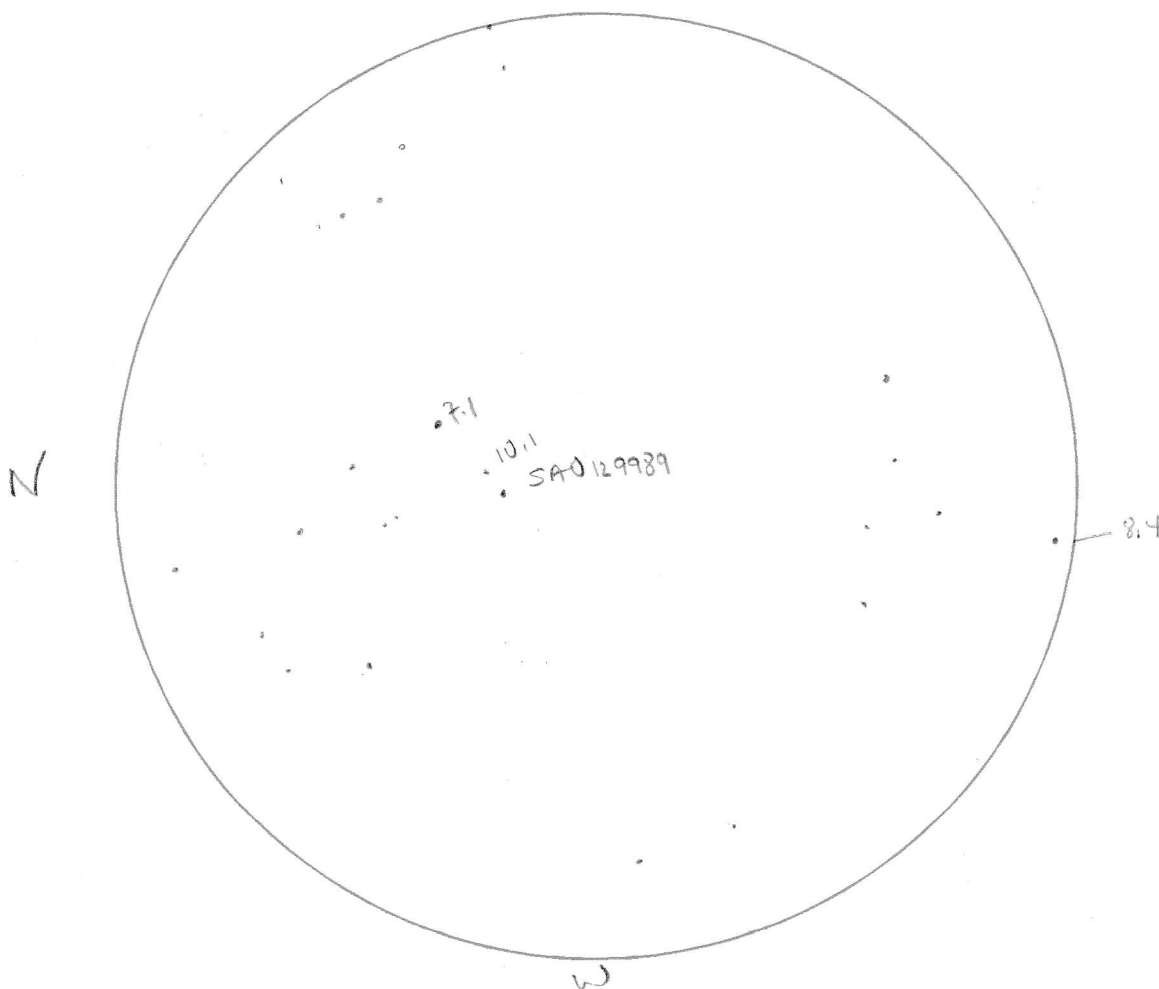
does not have more than a hint
of blush. Tricky to locate.

Sky & Session Notes: windy, no moon

SQM 21.76 10°C

Telescope: C8 -26mm

Magnification: 78x



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: UY And

Magnitude Range & Estimation: "7.4-12.3" (10.5)

Time/Date: 12-1-16 11:2pm EST

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Definitely orange, but small/dim.

Seeing / Transparency: 6/10 8/10

Was able to find two mag

Sky & Session Notes: Windy, no moon

10.9/11 stars which seemed

SQM 21.76 10°C

comparable in brightness

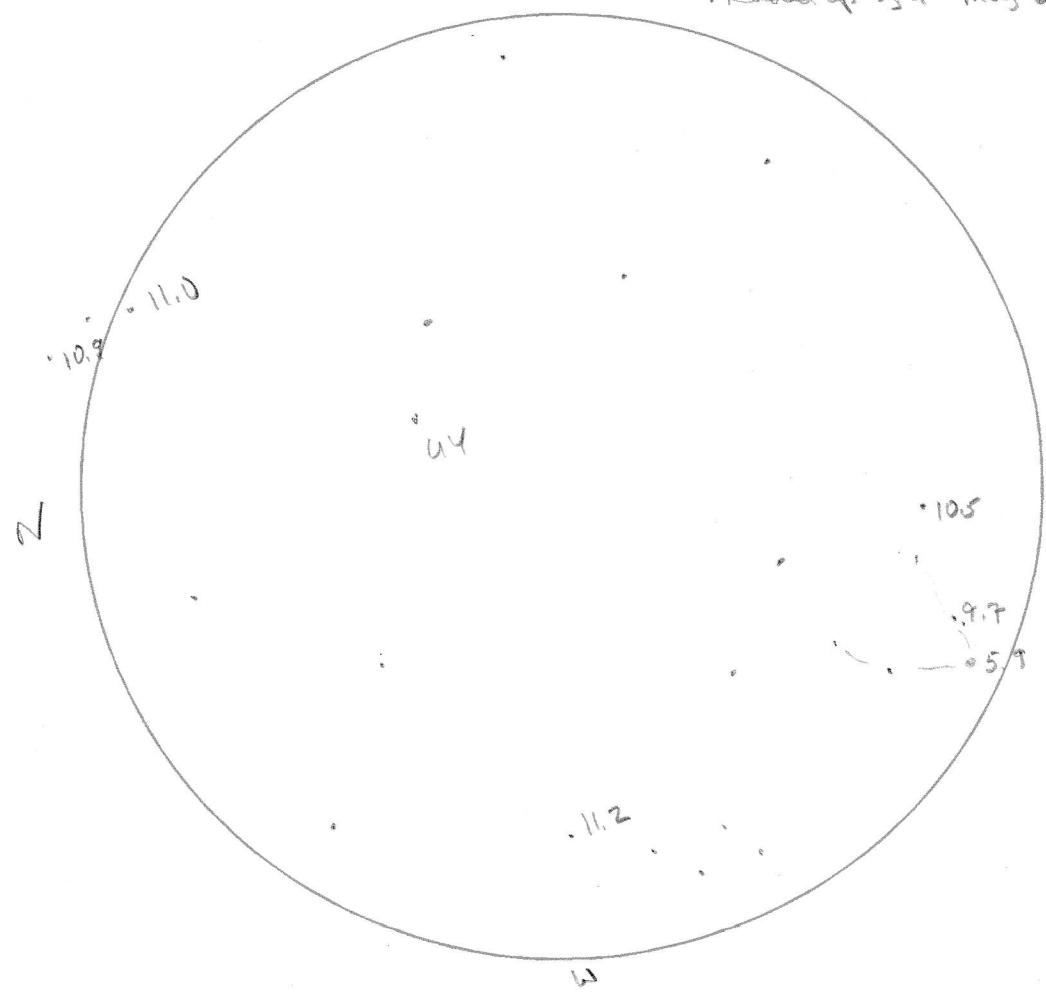
Telescope: CB + 26mm

West of 12 Per. A pretty "V"

Magnification: 78x

streamer of stars lies to its SW,

headed up by a mag 6 star



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

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V623 Cas C4 (R5)

Magnitude Range & Estimation: "7.3-8.1" (8.1)

Time/Date: 3/6/16 9:20am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Dim "amber ember". A wobbly

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

line of 5 evenly-spaced (sort of)

Sky & Session Notes: SQM 21.50 - a few low

stars trails below it from

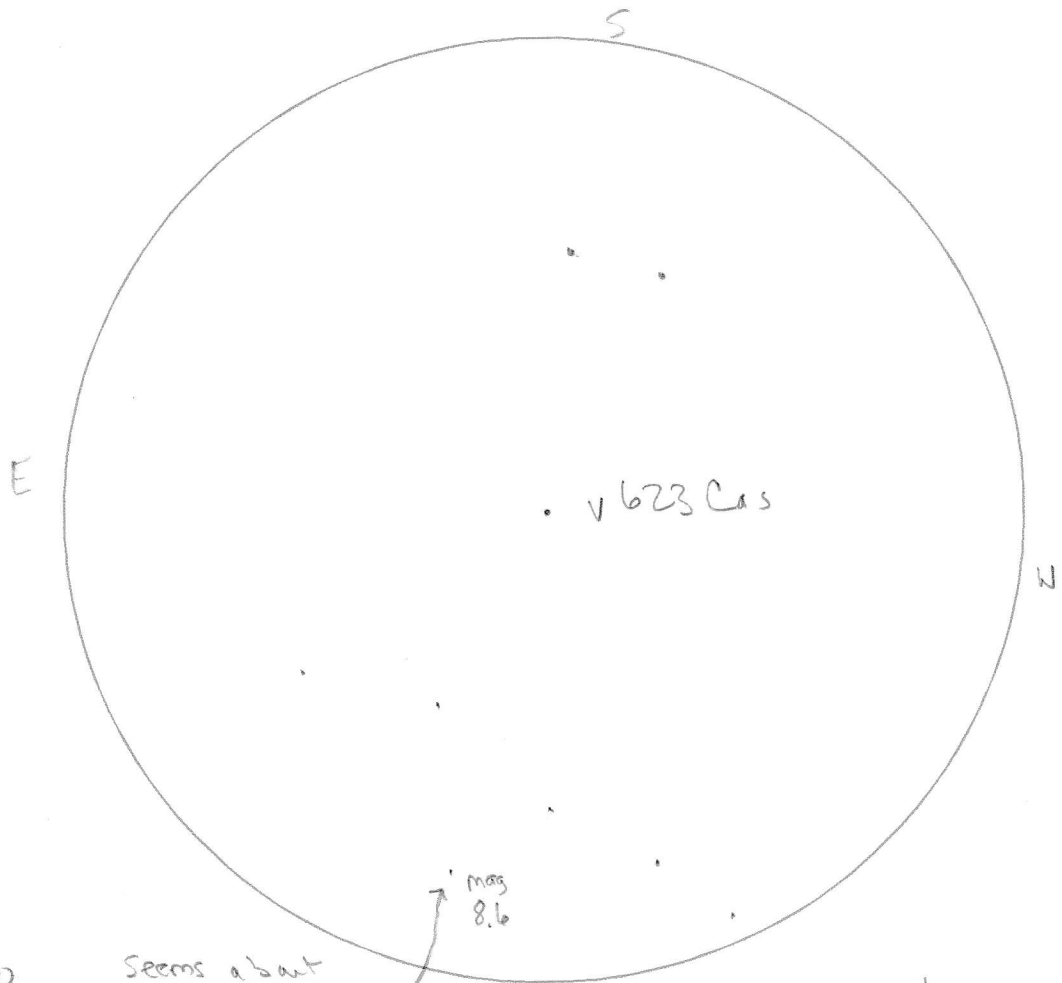
thin clouds No moon!

E → NW. A doublet of

Telescope: C8 x 40 mm E.P.

stars lies to the south

Magnification: 51x



SAO 23863

Seems about as bright as this star, maybe a little brighter, 8.1?

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: Y Persei C4 (R4)

Magnitude Range & Estimation: "8.1-11.3" (9.9)

Time/Date: 3/29/16 9:55pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Extremely dim = small

Seeing/Transparency: 5/10 T 7/10

red star. Near a nice

Sky & Session Notes: clouds clearing. No moon.

string of stars in the north SW

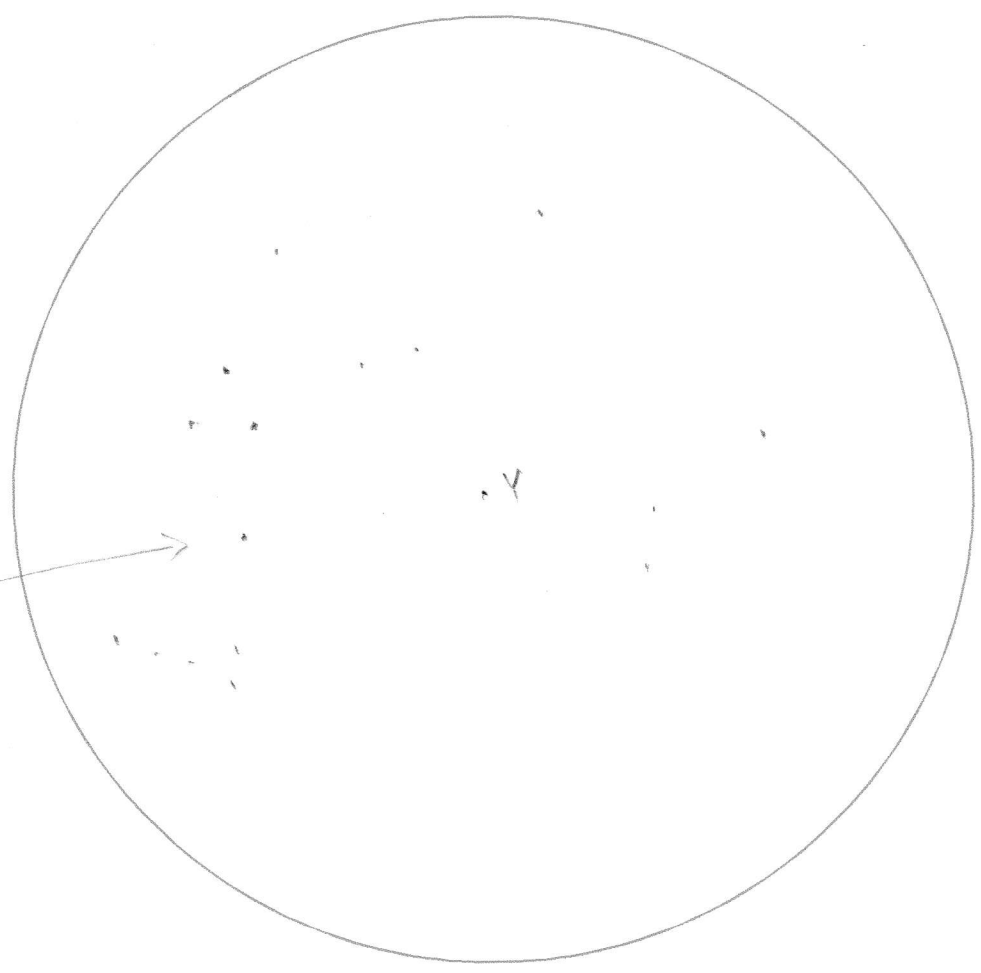
with 3 stars (one orange-red itself)

Telescope: 6.2" SCT

making a bright triangle.

Magnification: 64x (32mm)

Y Persei seems about as bright
@ TIC 2873-08771



TIC
mag 9.9

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: N 466 Persei

Magnitude Range & Estimation: "8.4-8.9" 8.4
Bright!

Time/Date: 12/30/16 9:12 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A rich reddish-orange star.

Seeing/Transparency: 4/10 3/10

An elongated triangle to the

Sky & Session Notes: 20m 21.56 C

SE, A trapezoid (faint) to

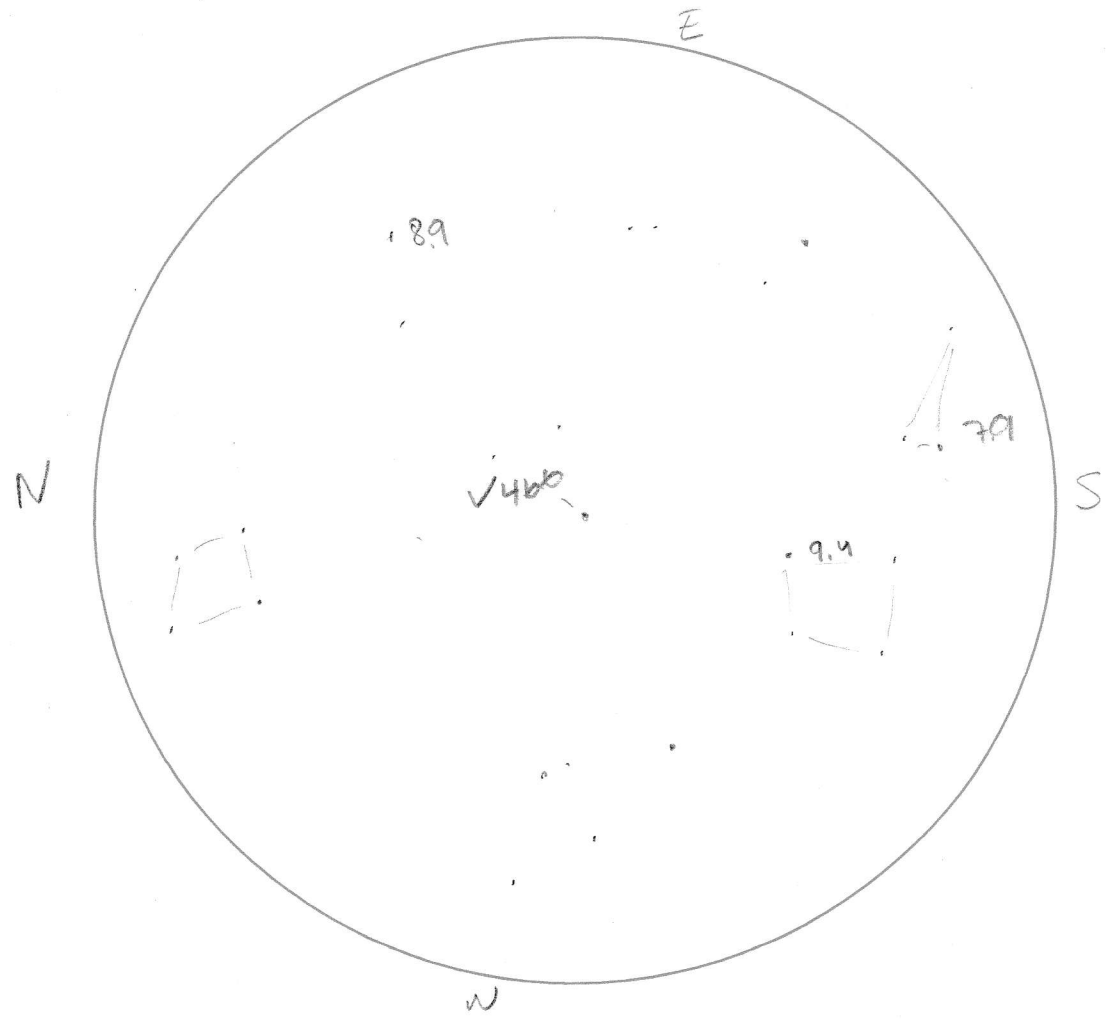
cold! a good bit of sky glow horizon

the NW, plus another boxy

Telescope: C8 26mm

one to the SW.

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: U Camelopardalis
23-C6 (115)

Magnitude Range & Estimation: "6.9 - 7.6" (7.6)

Time/Date: 3/22/16 11:30pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Rather dim orange. A

Seeing/Transparency: 8/10 9/10

very pretty trail of 4 bright

Sky & Session Notes: Full moon (99.8%)

may 5 stars sweeps down

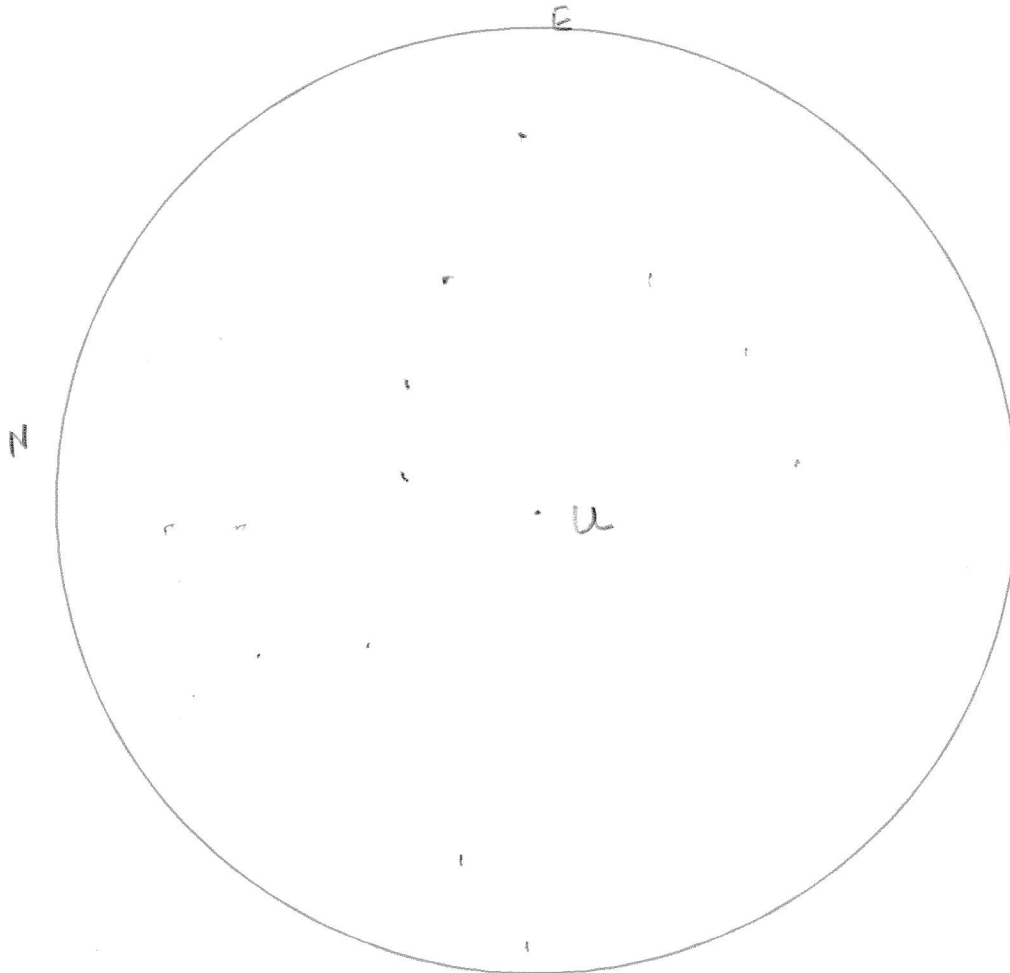
LJM 3.4 SQM 18.76 13°C

from the E edge on the north

Telescope: 80mm F/7 refractor

side of this star.

Magnification: 15x (38mm SWA)



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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: UV Cam

Magnitude Range & Estimation: "7.5-8.1" (7.8)

Time/Date: 12/30/16 9:32 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

yellowish w/ tints of burnt orange.

Seeing/Transparency: 6/10 8/10

A 3-star arc to the south,

Sky & Session Notes: 50m 21.56 6°C

and one bright star to the north.

a good bit of skyglow around horizon

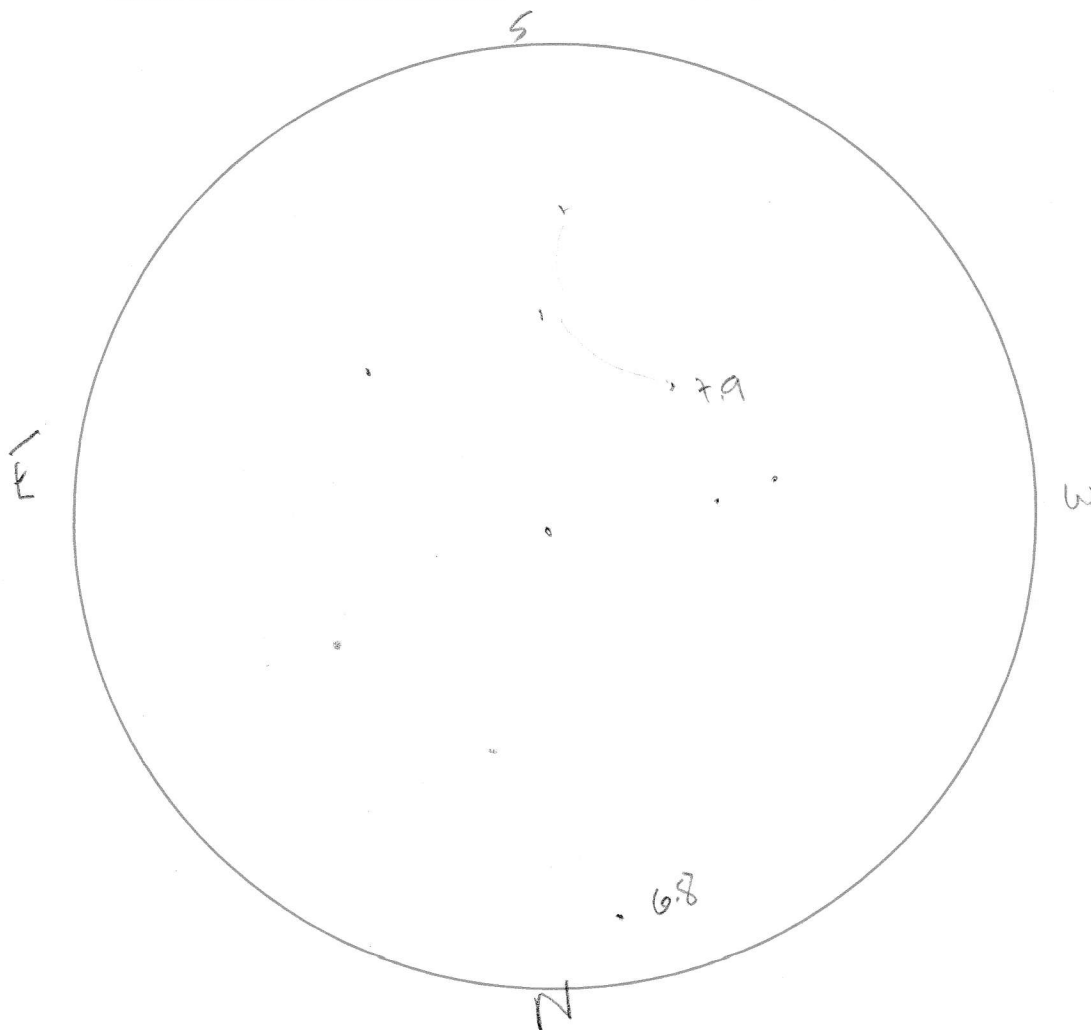
Along a line between Mirfak

Telescope: C8 26mm

< alpha Cam, above a long

Magnification: 78x

curve of about 1/2 dozen stars.



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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: XX Cam

Magnitude Range & Estimation: "7.1-10.0" (7.5)

Time/Date: 12/30/16 9:48pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Definitely yellow; bright!

Seeing / Transparency: 6/10 8/10

In the middle of a

Sky & Session Notes: SQM 21.56 6°C

3-star arc. Not quite

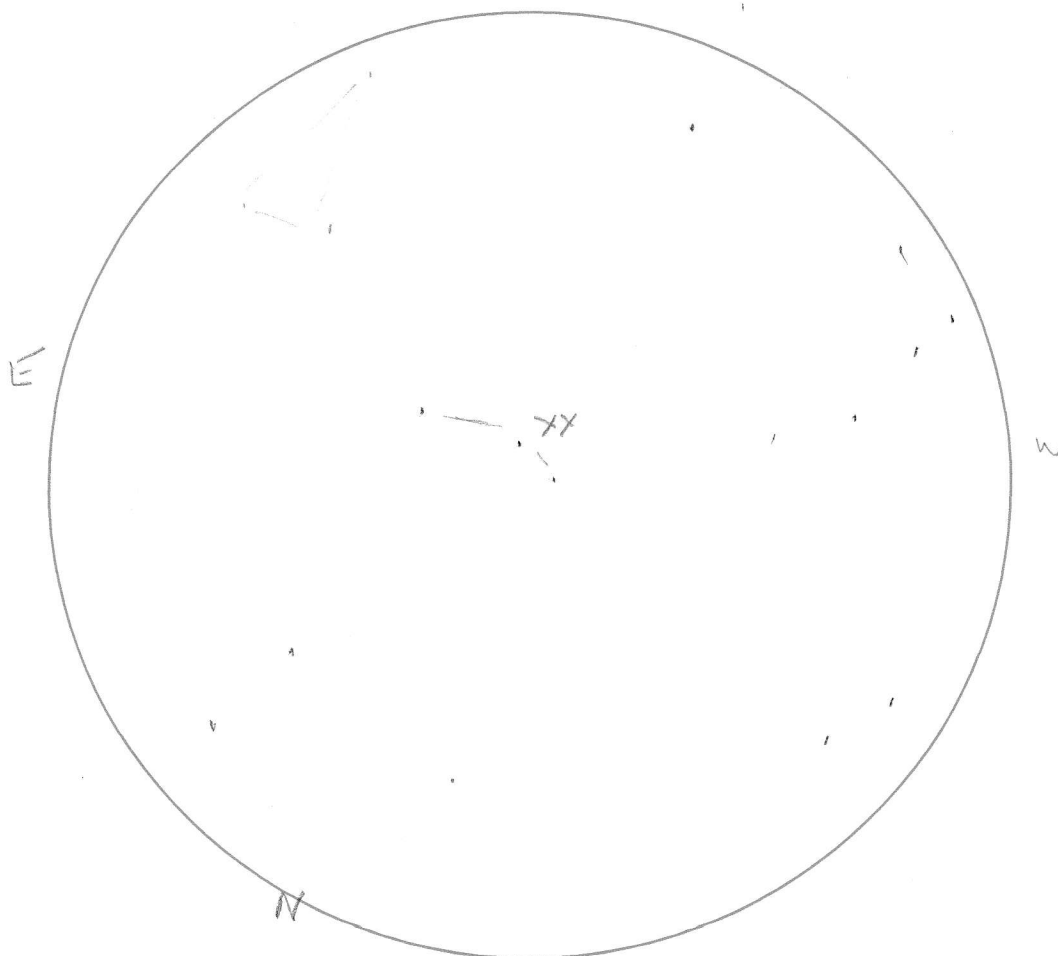
a good bit of skyglow around the horizon

10° above UV Cam, in a rather

Telescope: CB + 26mm

empty area of sky.

Magnification: 78x



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: ST Comelopardalis
CS(M5)

Magnitude Range & Estimation: "6.7-8.4" (7)

Time/Date: 3/22/16 11:07 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Almost a pure orange. Very

Seeing / Transparency: 8/10 9/10

close in brightness to the two

Sky & Session Notes: ^{B15} Full moon (99.8%)

nearest stars (mag 7.0 & 7.1).

LV m 3.4 SQm 18.76 13°C

A nice field with a wide

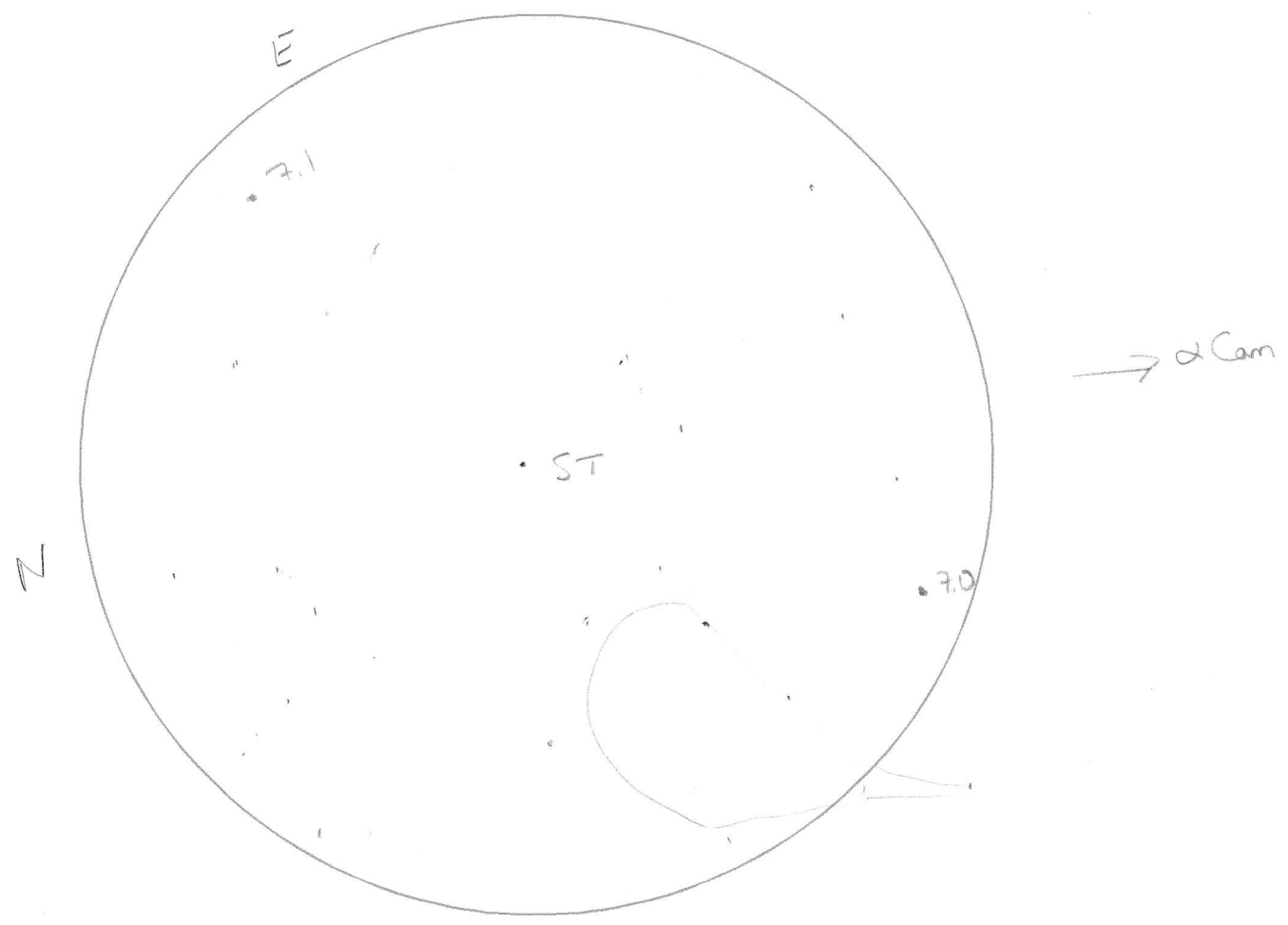
Telescope: 80 mm P/2 refractor

lasso of field stars to the

Magnification: 15X (38 mm SWA)

west. Bright α Cam to the

southern edge of the field.



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: TT Tauri (4-C9 (413))

Magnitude Range & Estimation: "7.7-10" (8.8)

Time/Date: 9:59 PM 3/29/16

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very pretty-luscious orange!

Seeing/Transparency: S 6/10 T 7/10

A right angle of stars (actually

Sky & Session Notes: Clouds clearing.

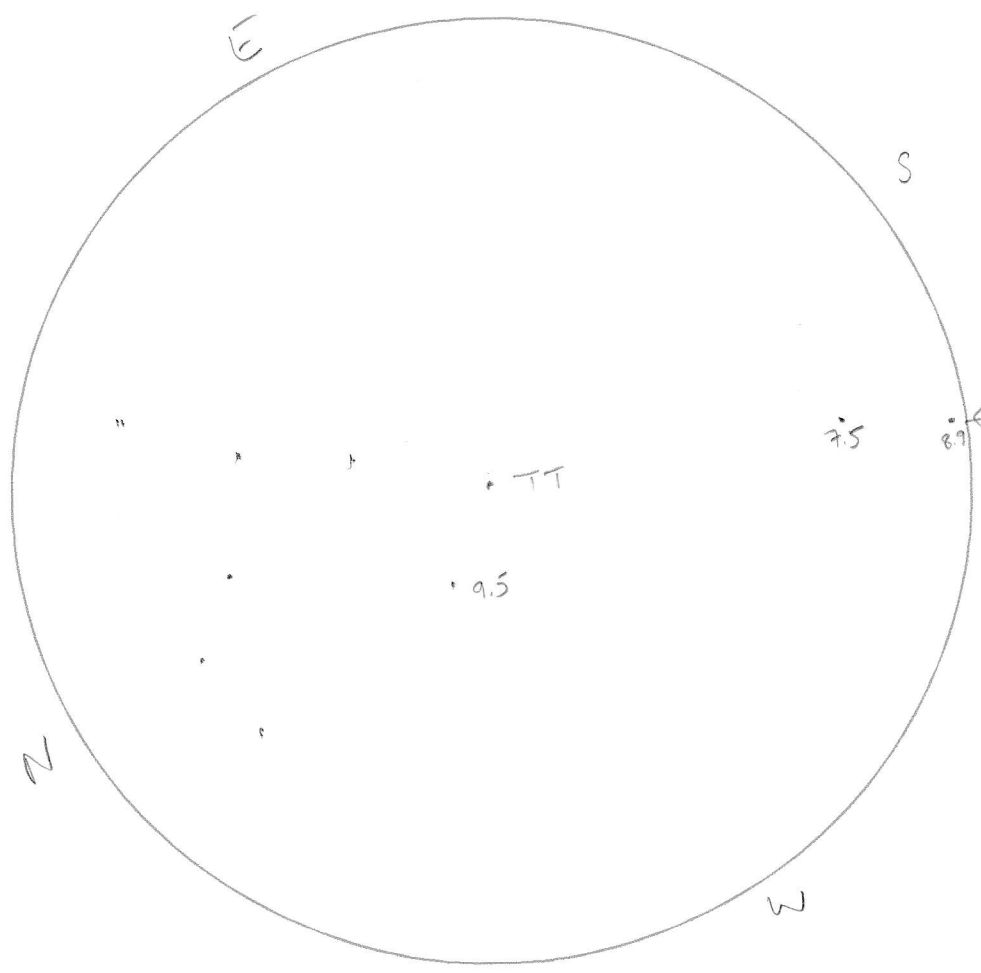
a "capital T") to its NE. A

no moon.

single bright star towards the SW.

Telescope: C8 (SCT)

Magnification: 64x (32m)



magnitude almost same as the star (HD 283 840)

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: R Leporis / Herbig's Carbon Star (CFR116) Magnitude Range & Estimation: "5.5-11.7" (6.9)

Time/Date: 3/6/16 8:52pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very electric & bright! Brighter than HD31848 in same field (mag 7.1)

Seeing/Transparency: 10/10 10/10

Piercing orange red / garnet.

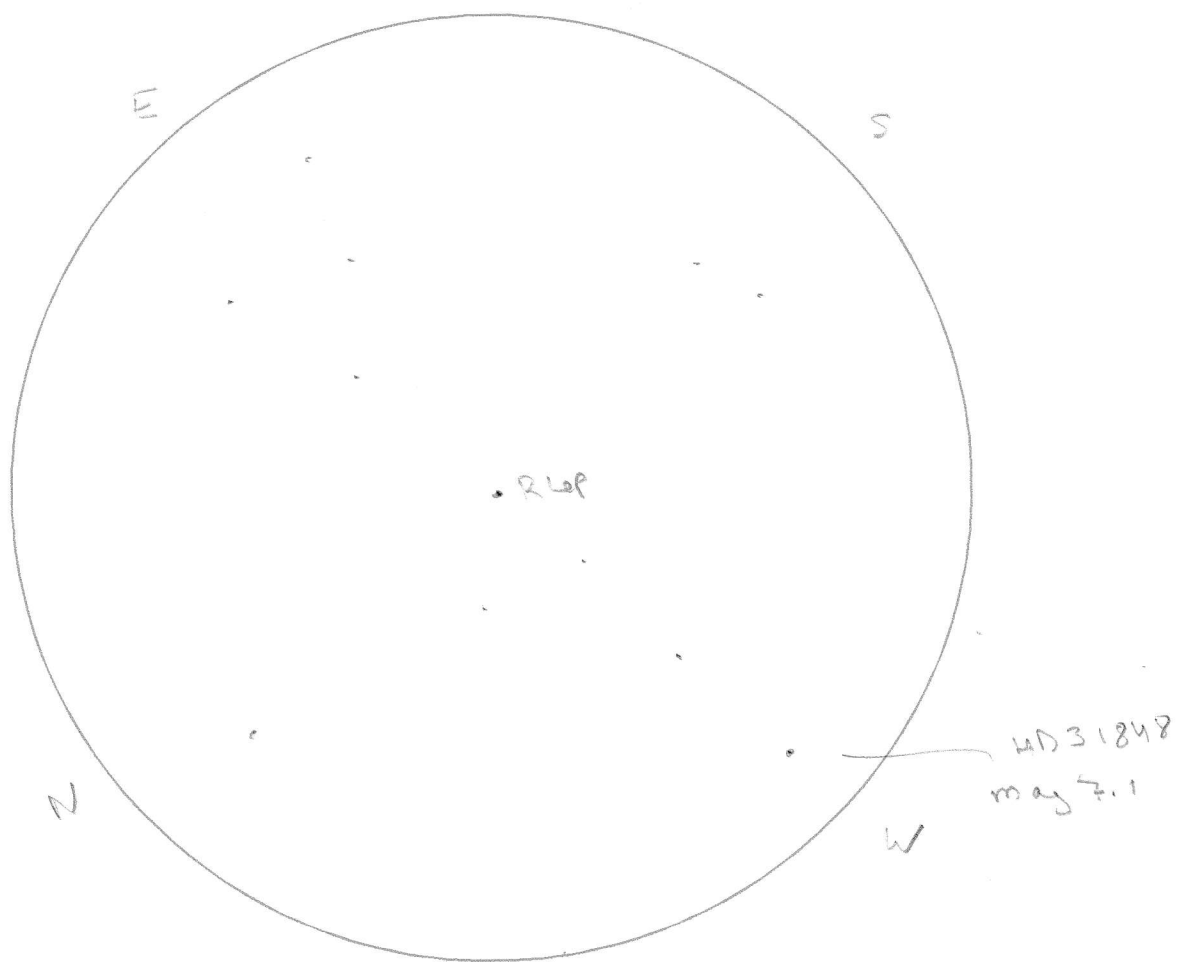
Sky & Session Notes: SDM 2150 Low thin

No moon!

clouds + high haze? smoggy holes

Telescope: CB 4/40mm E.P.

Magnification: 51x



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: EL Aur

Magnitude Range & Estimation: "8.5-8.7" 8.8

Time/Date: 12/30/16 10:05pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Piercing but faintly red-

Seeing/ Transparency: 6/10 8/10

orange A nice little hook

Sky & Session Notes: 50m 21.56 6°C

of stars just underneath it

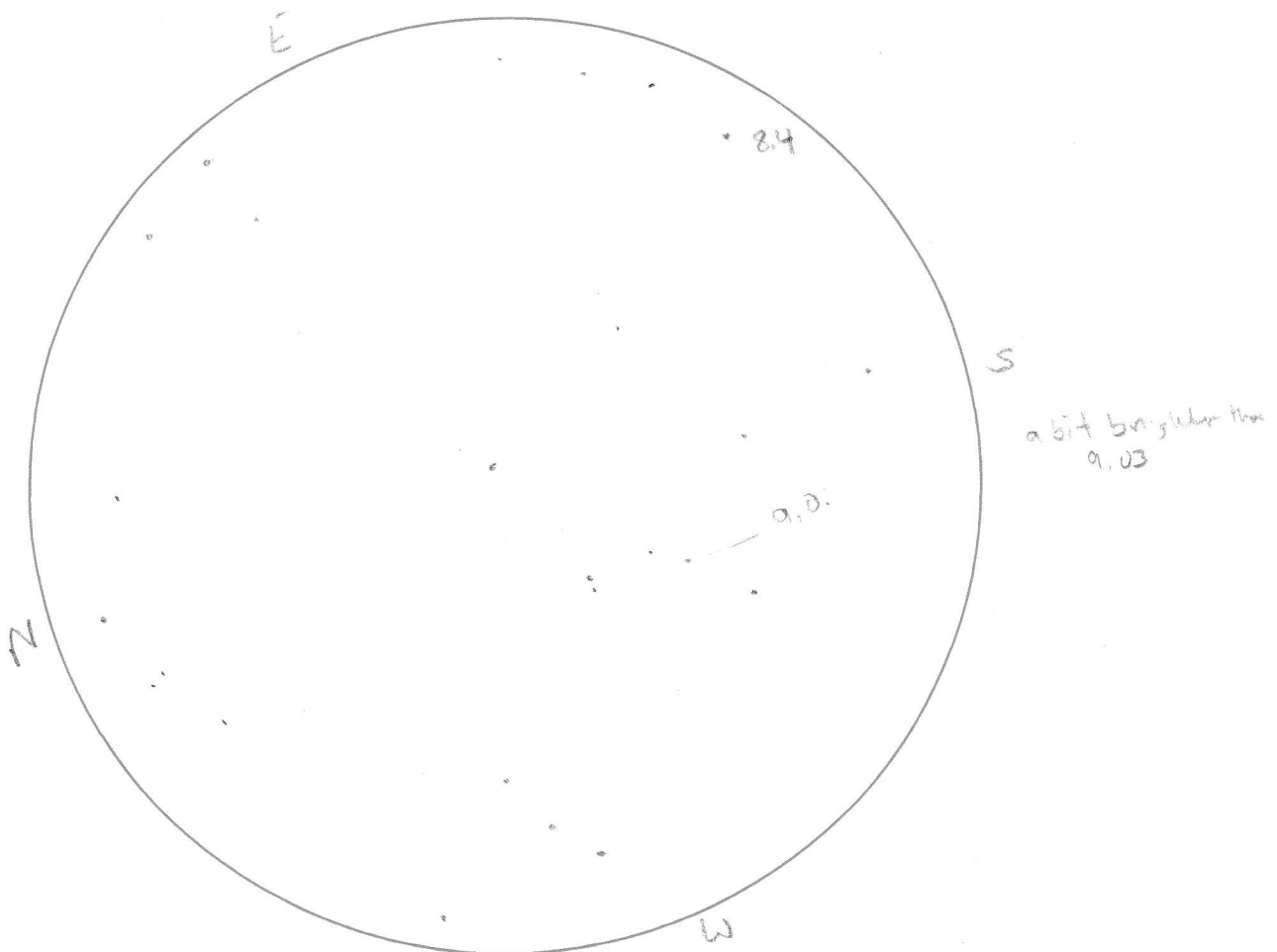
some skyglow bleeding up from the horizon

Another swoosh to the

Telescope: C8 + 26mm

north.

Magnification: 78x



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: W Ori CS (NS)

Magnitude Range & Estimation: "5.8-10" (6.1)

Time/Date: 3/22/16 11 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright orange-yellow. Very

Has a touch of red to it

Seeing / Transparency: 8/10 9/10

bright R6 (mag 4) star at

Sky & Session Notes: Full moon (99.8%)

west edge of field @ low power.

LVM 3.4 SQM 18.76 13°C

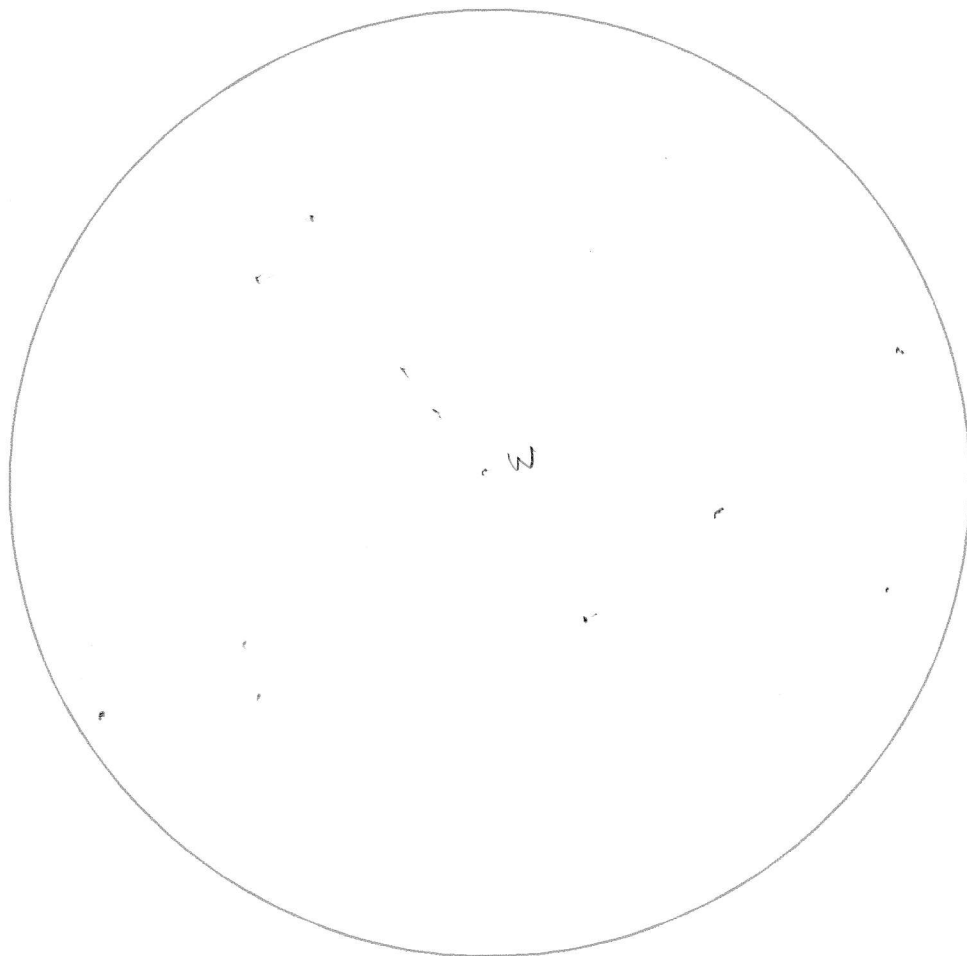
Had to use low magnification to

Telescope: 30mm f/7 refractor

get enough field stars due

Magnification: 15X (208mm SWA)

to Full moon in the eastern sky.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Tx Aur

Magnitude Range & Estimation: "8.5-9.2" (9.0)

Time/Date: 12/30/16 10:24 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pale orange. Not much color

Seeing / Transparency: 6/10 8/10

Slightly dimmer than the nearby

Sky & Session Notes: SDM 2156 6°C

8.6 star. Just west of

some skyglow bleeding up from horizon

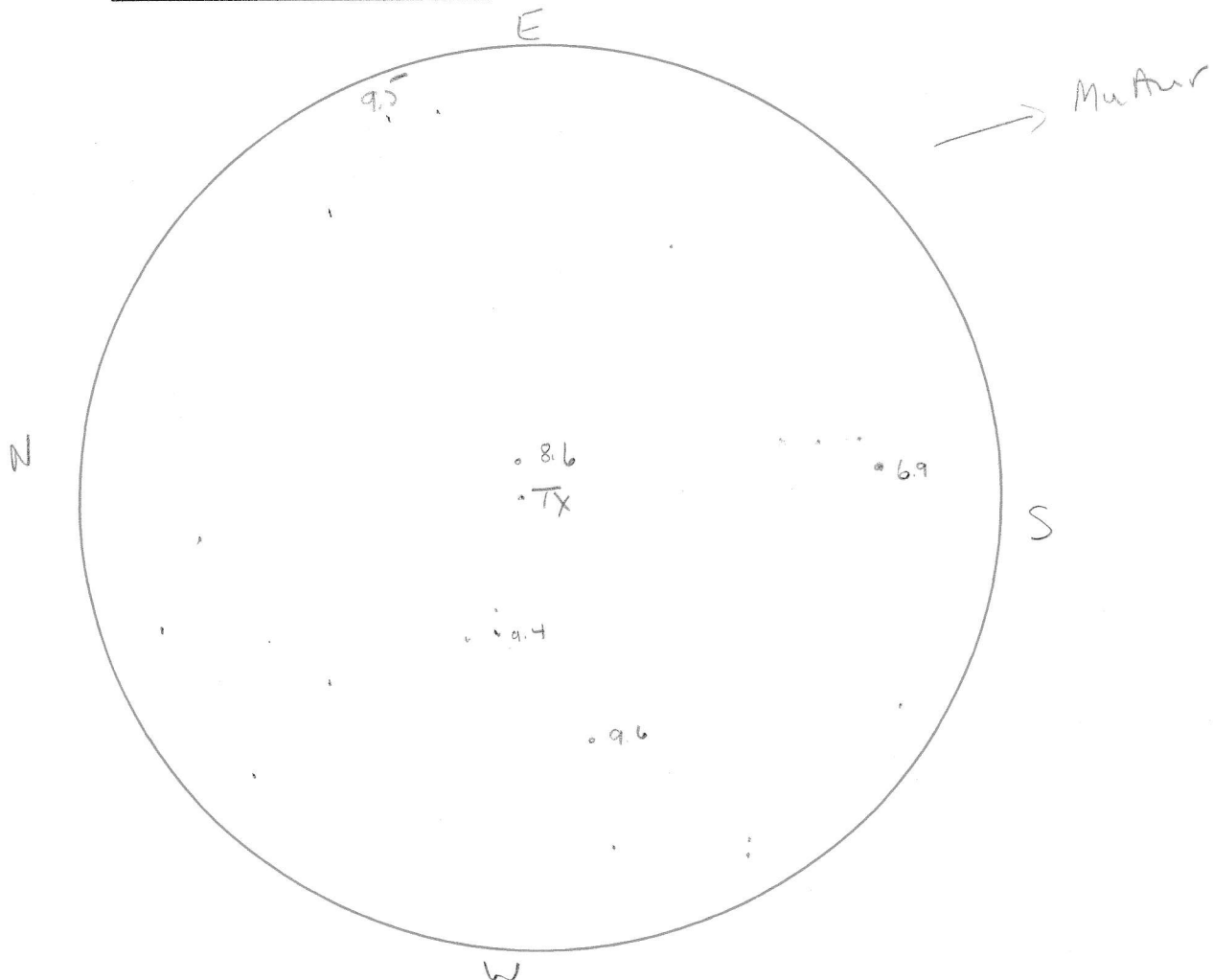
Mu Aur. Cute little group

Telescope: CB + 26mm

of 4 stars (....) to the

Magnification: 78x

south 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: SY Eridani c6(NB)

Magnitude Range & Estimation: "8.3-10" (8.3)

Time/Date: 10:32^{-10:45} am 3/22/16

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

So dim I almost couldn't see

Seeing / Transparency: 8/10 9/10

it with the full moon rising.

Sky & Session Notes: full moon (99.8%)

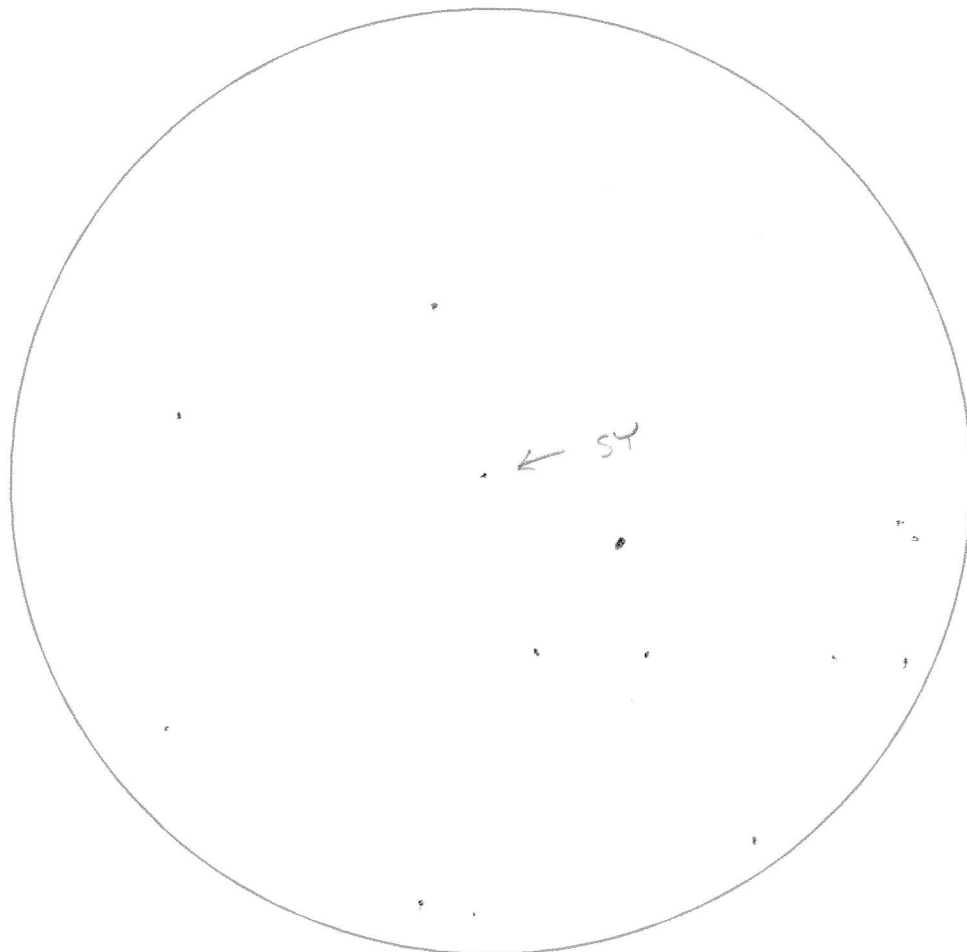
Thankfully it is near bright (mag 2.8)

Lv m 3.4 sam 18.76 13°C

ursa. Deep burnt brown-red

Telescope: 80mm Refractor 385WA

Magnification: 15x



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: UV Aur

Magnitude Range & Estimation: "7.4-10.6" 9.6

Time/Date: 12/30/16 10:41 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very pale: durn. Hint of orange

Seeing / Transparency: 6/10 8/10

red. Definitely could not see it

Sky & Session Notes: SQM 21.56 6°C

as a double at this magnification

Some sky glow bleeding up from horizon

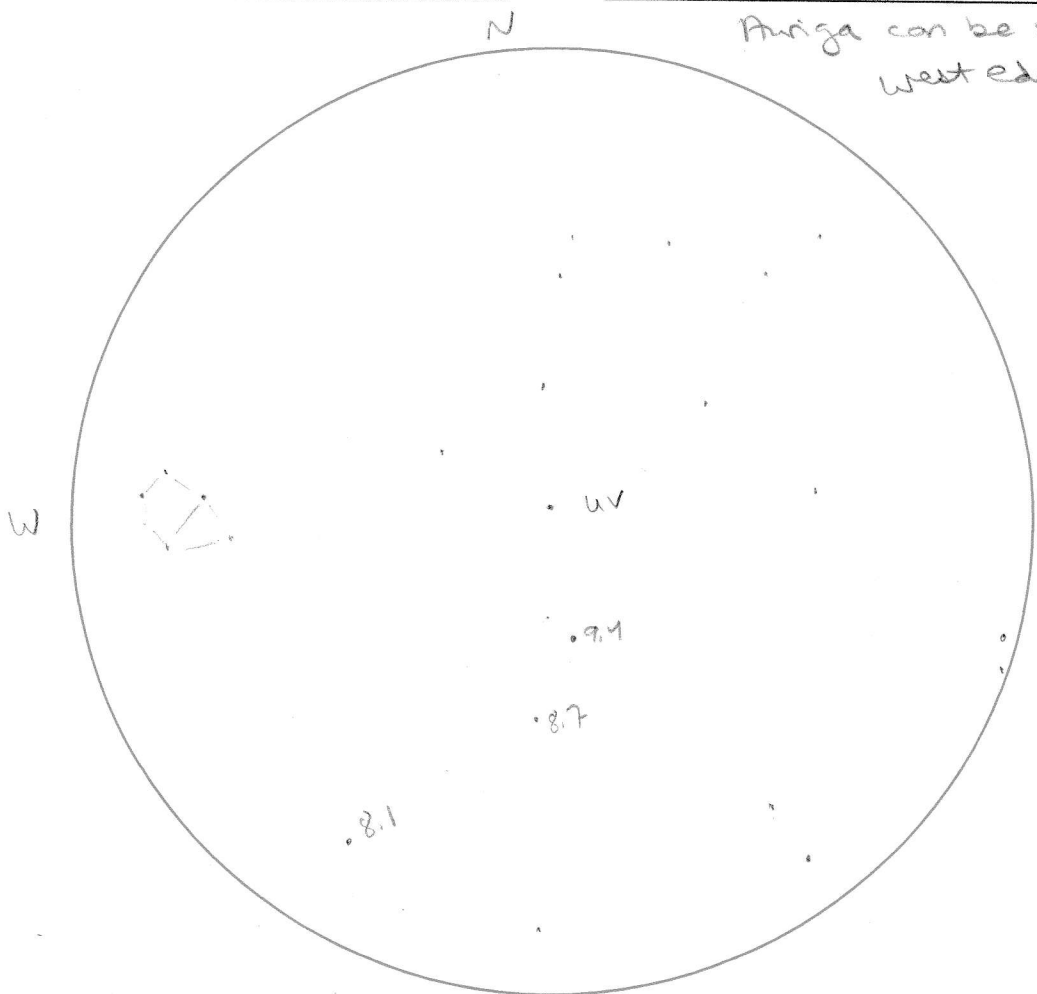
Just SE of Leaping Minnow,

Telescope: C8 + 26mm

stars 14 Aur 16 Aur 19 Aur, with E_{Aur} north about

Magnification: 78x

4° to the south. A miniature Auriga can be seen on the west edge of the field!



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