

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: S Aur

Magnitude Range & Estimation: "8.2-13.3" (10?)

Time/Date: 12/30/16 11:02 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Small, but definitely a

Seeing / Transparency: 4/10 8/10

pumpkin orange. Easy to

Sky & Session Notes: SQM 21.56 6°C

confirm star are to bright Y Aur

sky low horizon diminishing

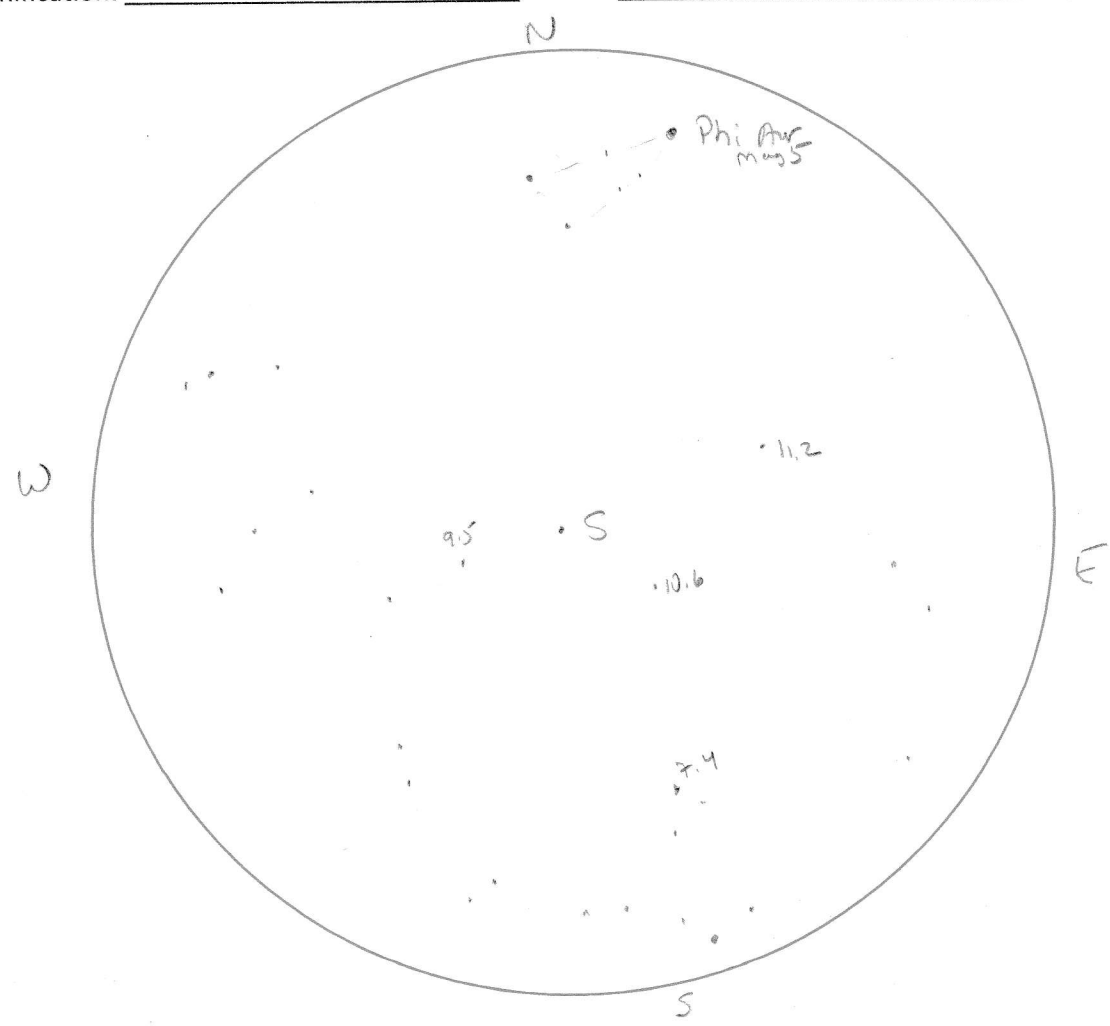
pattern of stars at N edge of the

Telescope: C8 x 26mm

field. About 2° NE of

Magnification: 28x

UV Aur.



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: RT Ori CG (N3)

Magnitude Range & Estimation: "8.0-8.9" (8.1)

Time/Date: 3/29/16 10:10pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A bright orangey-red star.

Seeing / Transparency: S 1/0 T 2/10

A small, but bright, slanted

Sky & Session Notes: Clouds clearing

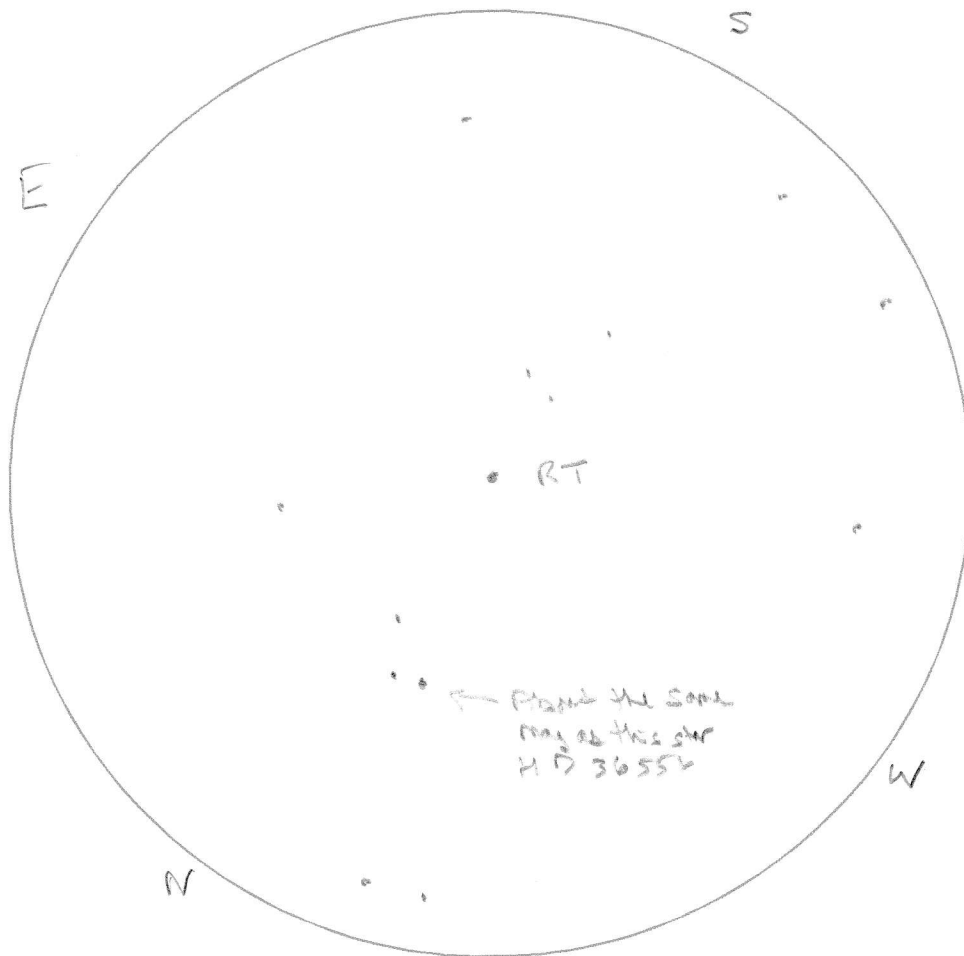
triangle just below it to the

No moon

North. Pretty in the field.

Telescope: C8 (SCT)

Magnification: 64x (32mm)



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: S Com

Magnitude Range & Estimation: "7.7-11.6" (9.1)

Time/Date: 12/30/16 11:25pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pole range, at top of
wide string of 3 dim stars. (9-10-11)

Seeing / Transparency: 4/10 2/10

A boxy cup of stars at
ENE edge of field. Field

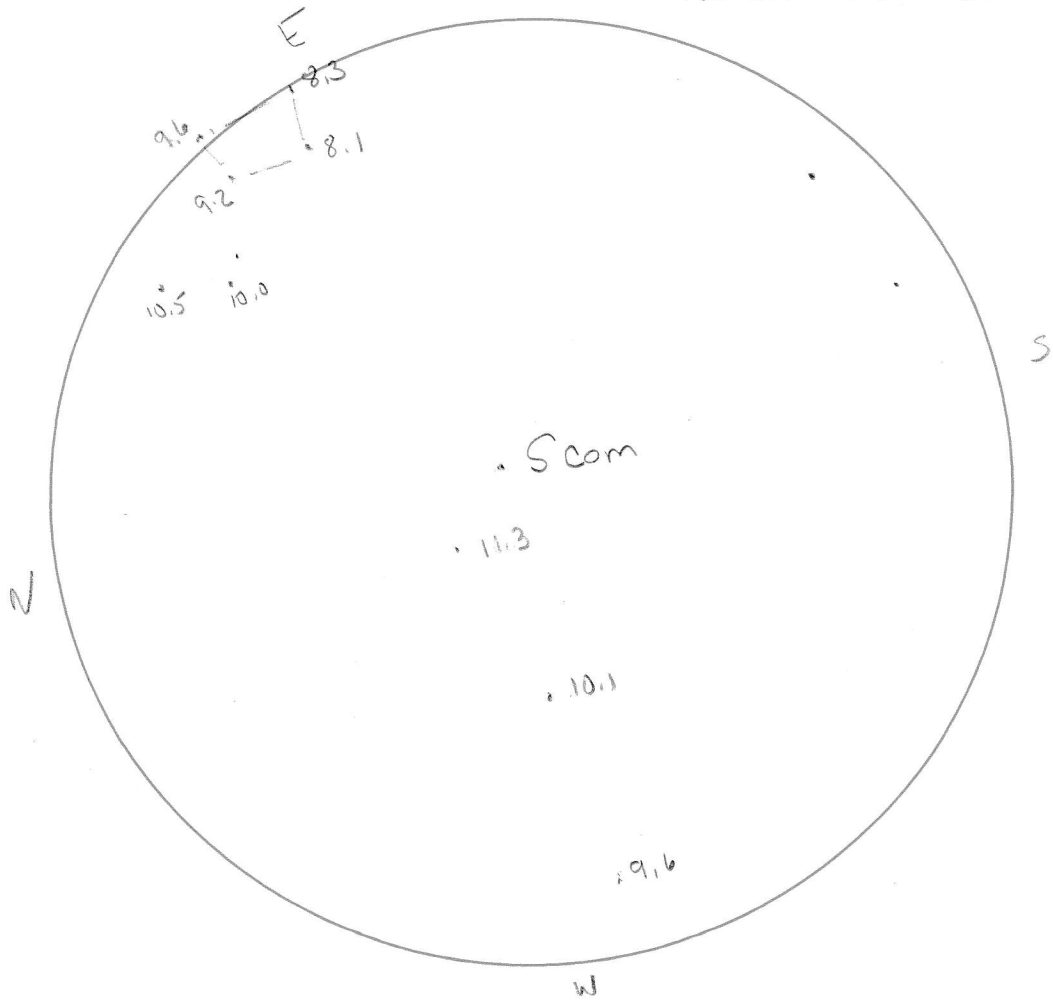
Sky & Session Notes: 50m 21.60 4°C
cold!

rather sparse otherwise.

Telescope: C8 + 26mm

About the same brightness as
the bottom left star in the box.

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: Tu Tauri CS(N3)

Magnitude Range & Estimation: "59-92" (8.5)

Time/Date: 3/6/16 9:55pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Lots of color for a tiny star!

Seeing/Transparency: 7/10 7/10

Deep luscious orange-red. A faint

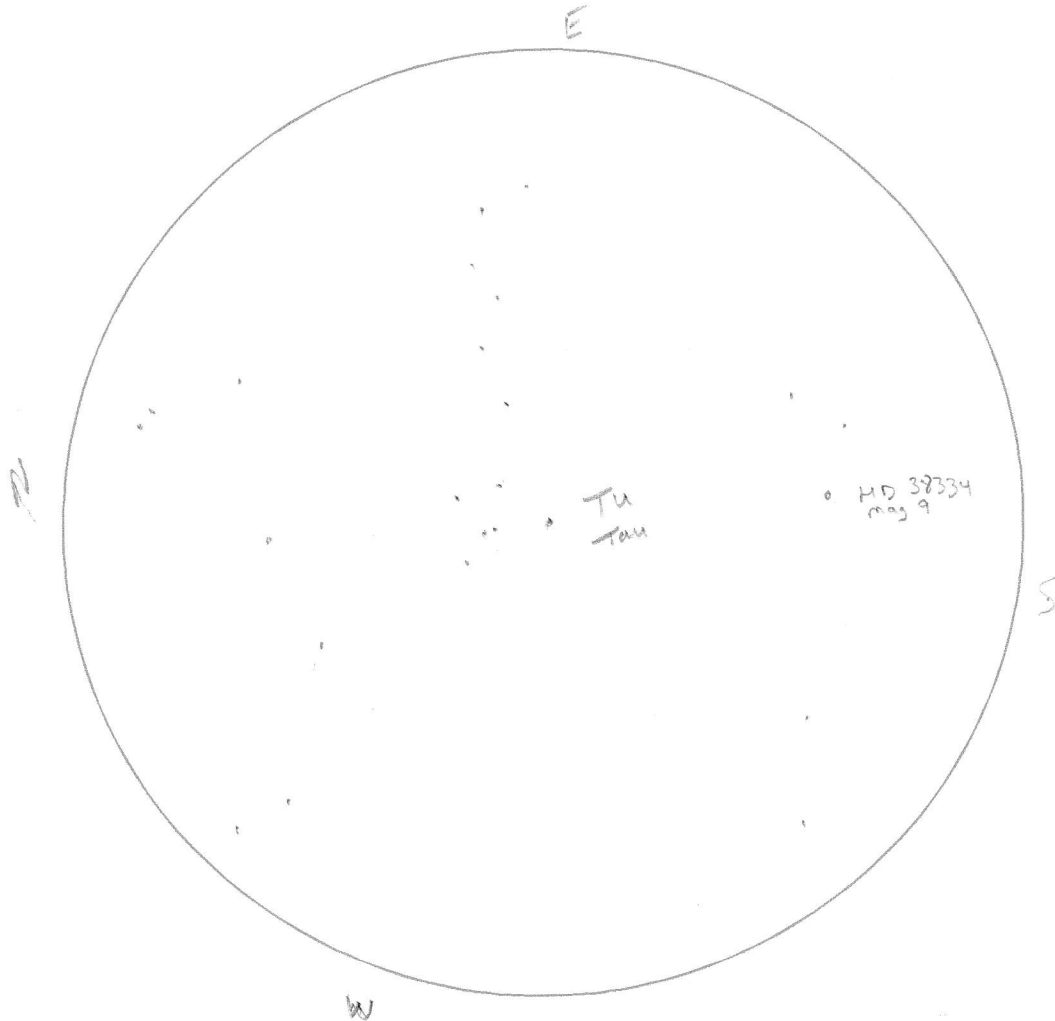
Sky & Session Notes: Seeing is rapidly
improving! No moon! SQM2150

snake head & body slithers down

next to it from the ENE. ☺

Telescope: C8 w/ 40mm EP

Magnification: 51X



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Y Tau C6.5 (113)

Magnitude Range & Estimation: "6.5-9.2" (7)

Time/Date: 5/6/16 10:00 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Piercing orange red. Makes the top corner of a big box, with a nice pair of stars on the lower corner below. "Brightest star in the box!" A triangle of faint stars lies just to the south.

Seeing/Transparency: ST/10 T 9/10

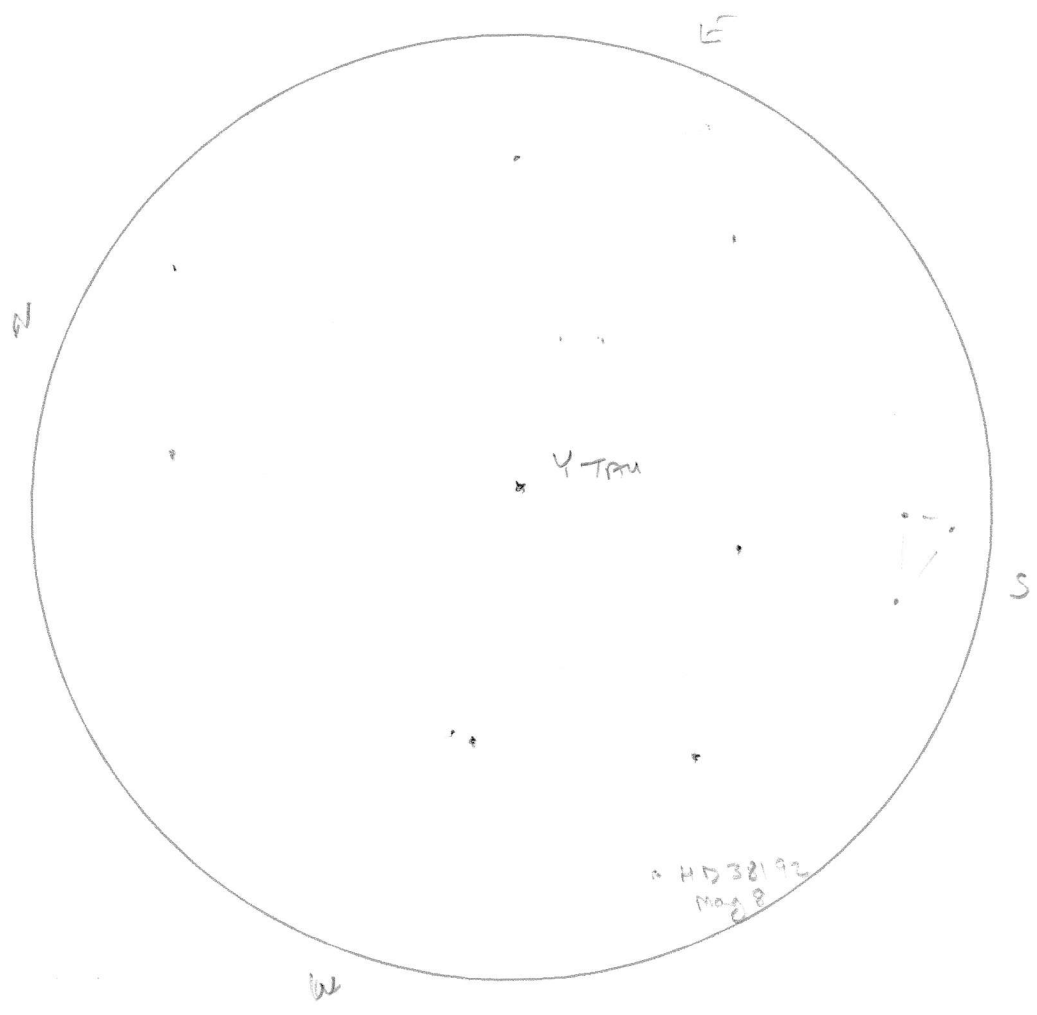
Sky & Session Notes: 50m 21.50. All

but low clouds on horizon have lifted.

No moon!

Telescope: C8 w/ 40mm E.P.

Magnification: 51x



DAV=Deerlick Astronomy Village, Sharon, GA 33°33'14" N 082°45'37" W
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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Fu Aur

Magnitude Range & Estimation: "8.3-8.5" (8.4)

Time/Date: 12/30/16 11:42pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Dainty^{but} ruddy, orange, with

Seeing / Transparency: 6/10 8/10

a brighter star to its South

Sky & Session Notes: SQM 21.60 4°C

Similar in brightness to the indicated

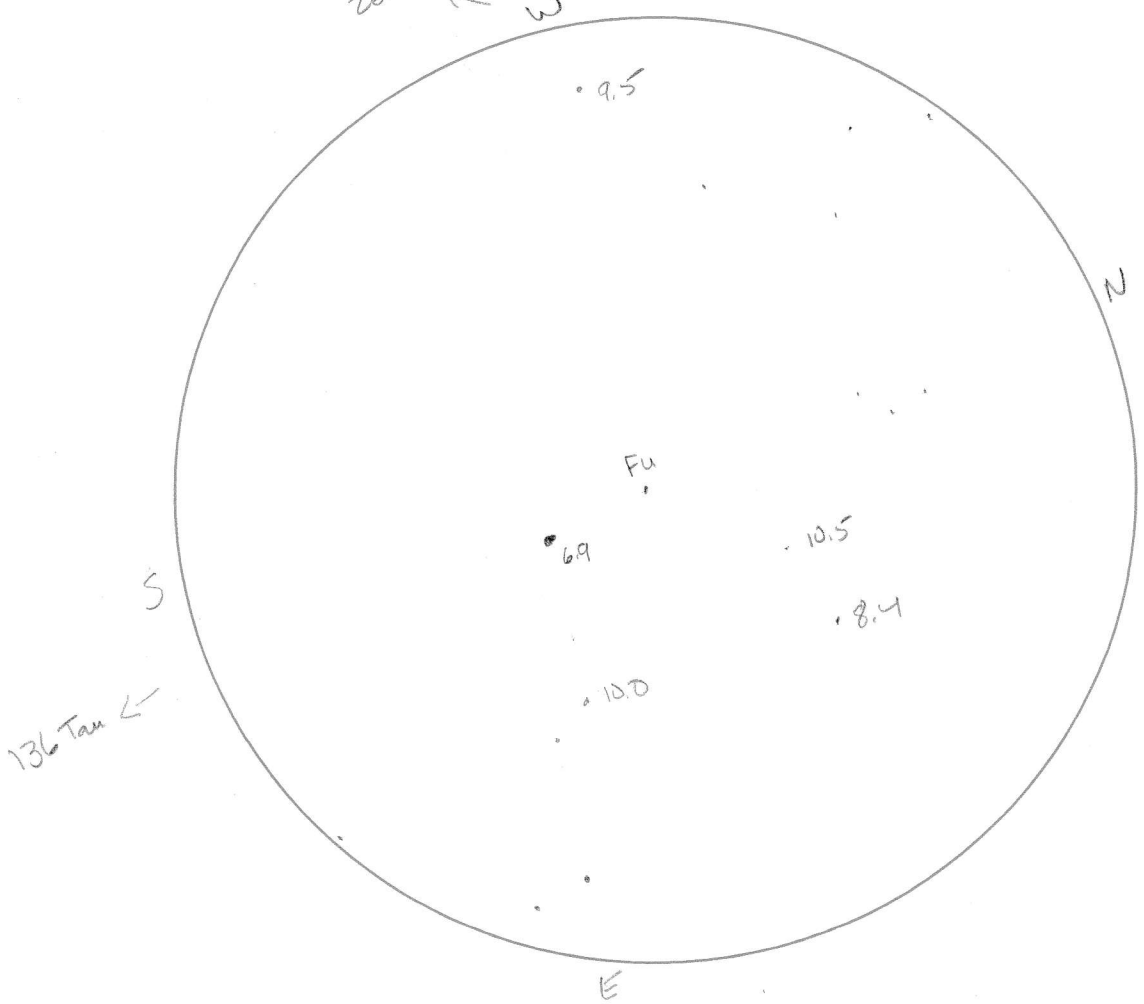
cold!

8.4 field star.

Telescope: C8 + 26 mm

Magnification: 28x

26 Aur ↖ W



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: TU Gem

Magnitude Range & Estimation: "7.4-8.4" (8.0)

Time/Date: 12/30/16 11:54pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright yellow-orange! Several

Seeing / Transparency: 6/10 8/10

pairs of catseyes scattered

Sky & Session Notes: 50m 21.60 40c

about the field. This is the

cold! Star straight up! Arrgh!
no more tonight.

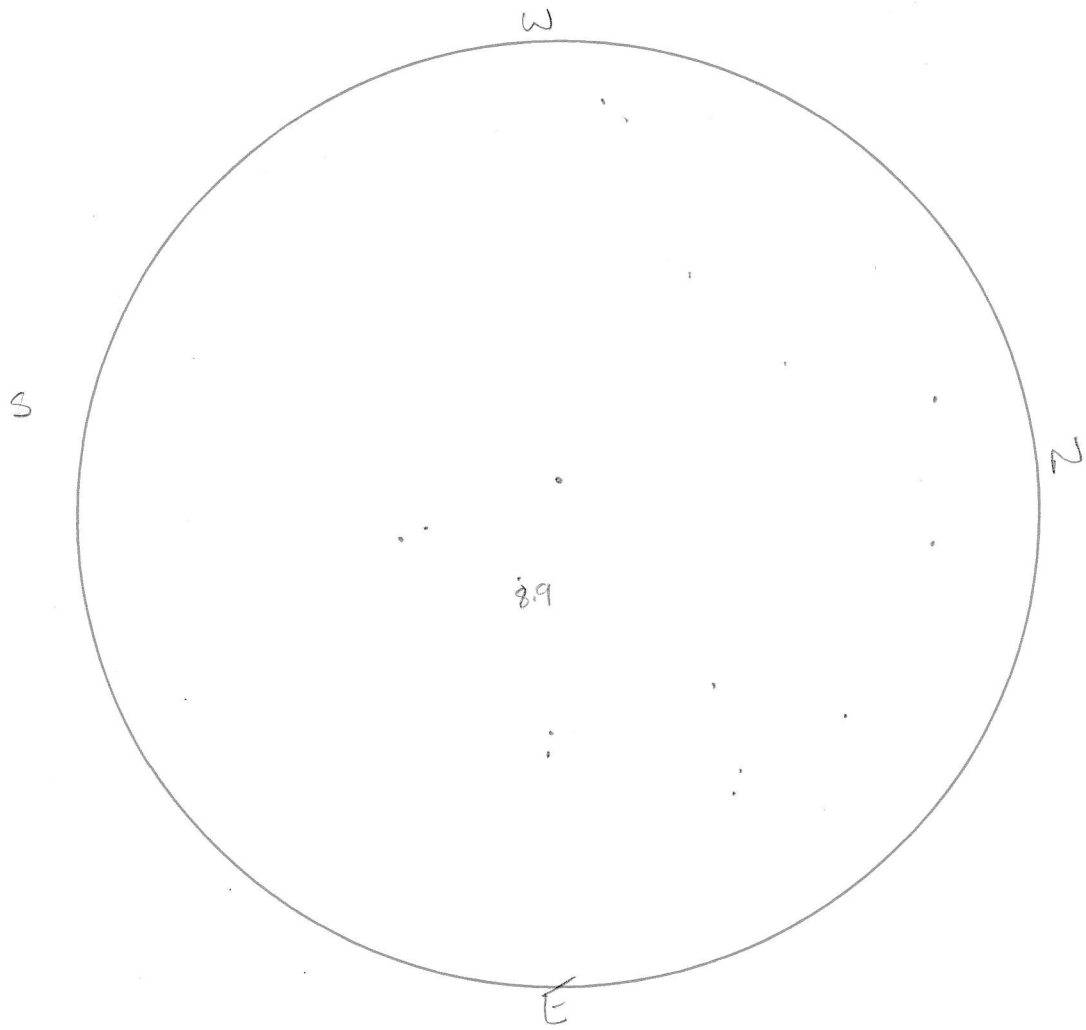
brightest star in the field, so hard

Telescope: C8 + 26mm

to estimate - would guess its

Magnification: 78x

at the brightest of its range - 8.0?



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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: Fu Mon

Magnitude Range & Estimation: "8.5-9.8" (9.0)

Time/Date: 2/26/17 9:22pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAU

Dull reddish-orange, with

Seeing/Transparency: 4/10 8/10 Breezy

two streaming arcs of mag

Sky & Session Notes: SDM 21.60 92

9-11 stars to its west,

Another cold night. Good view looking south

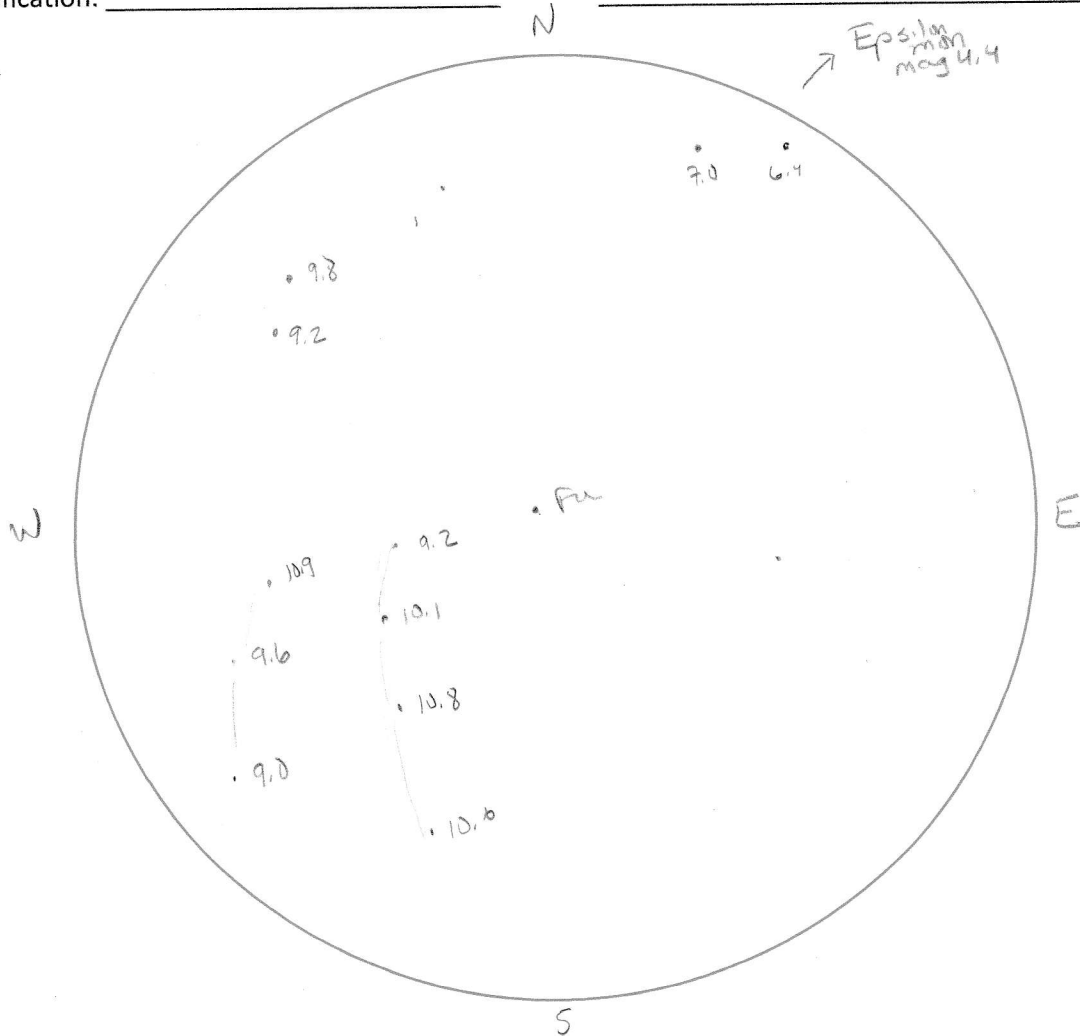
Two bright stars to the

Telescope: C8 +26mm

north. Just SW of Epsilon

Magnification: 78x

Mon.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V Aur

Magnitude Range & Estimation: "8.5-13.0" (11?)

Time/Date: 2/26/17 9:40pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Actually looks somewhat gray!

Seeing/Transparency: 4/10 8/10

in a field of dim stars. Not much to see here

Sky & Session Notes: SQM 21.60 40C

(Look again) => Not much better

Cold, but clear & slightly breezy

on night #2 (3/3/17 @ 11:45pm)

Telescope: C8 + 26mm

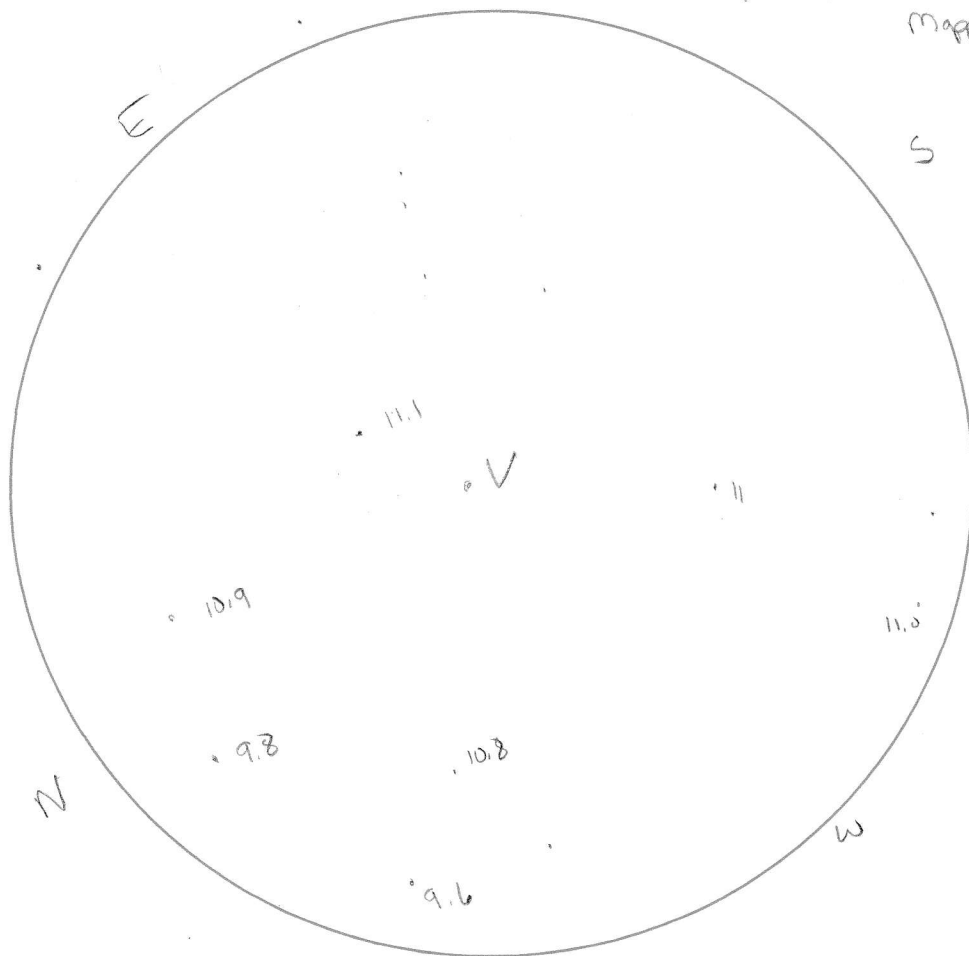
Difficult! Used all go-to

Magnification: 78x

for try #3. Ended up in the same

place, so this must be it.

Mapped the dim stars to estimate brightness ('dimness')



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: BL Ori CG (No. 2)

Magnitude Range & Estimation: "6.0-7.0" (6.5)

Time/Date: 3/29/16 10:15 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

The brightest star in the field @ 64x!

Seeing / Transparency: 5"/10 T 7/10

Way up above the proposed arm of Orion.

Sky & Session Notes: Clouds clearing.

One of 3 pairs of stars

No moon.

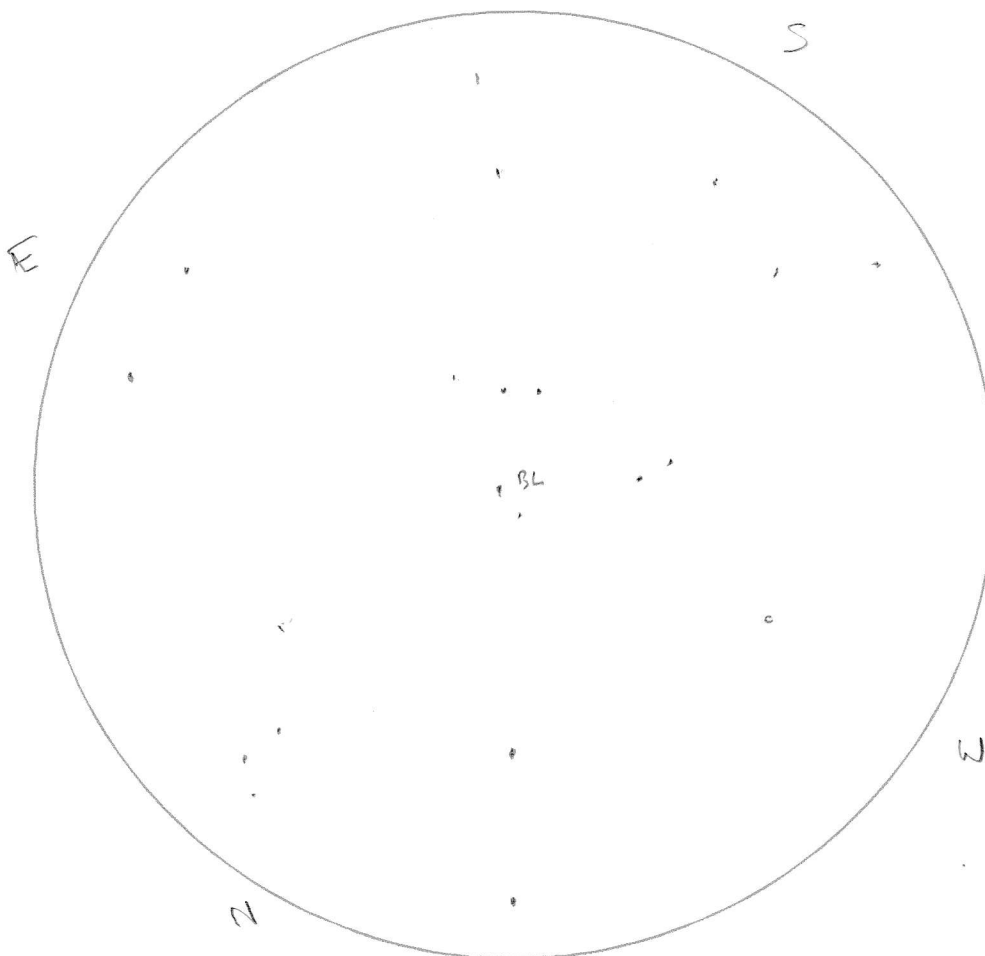
clustered in an otherwise

Telescope: C8 (SCT)

random field. Pale orange,

Magnification: 64x (32mm)

but bright!



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: UU Aurigae CSCT(M3)

Magnitude Range & Estimation: "5.1-7.0" (5.5)

Time/Date: 3/22/16 11:45 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brilliant orange w/ touch of yellow. Looks to be almost as bright as Psi 3 Aur (5.3).

Seeing / Transparency: 8/10 9/10

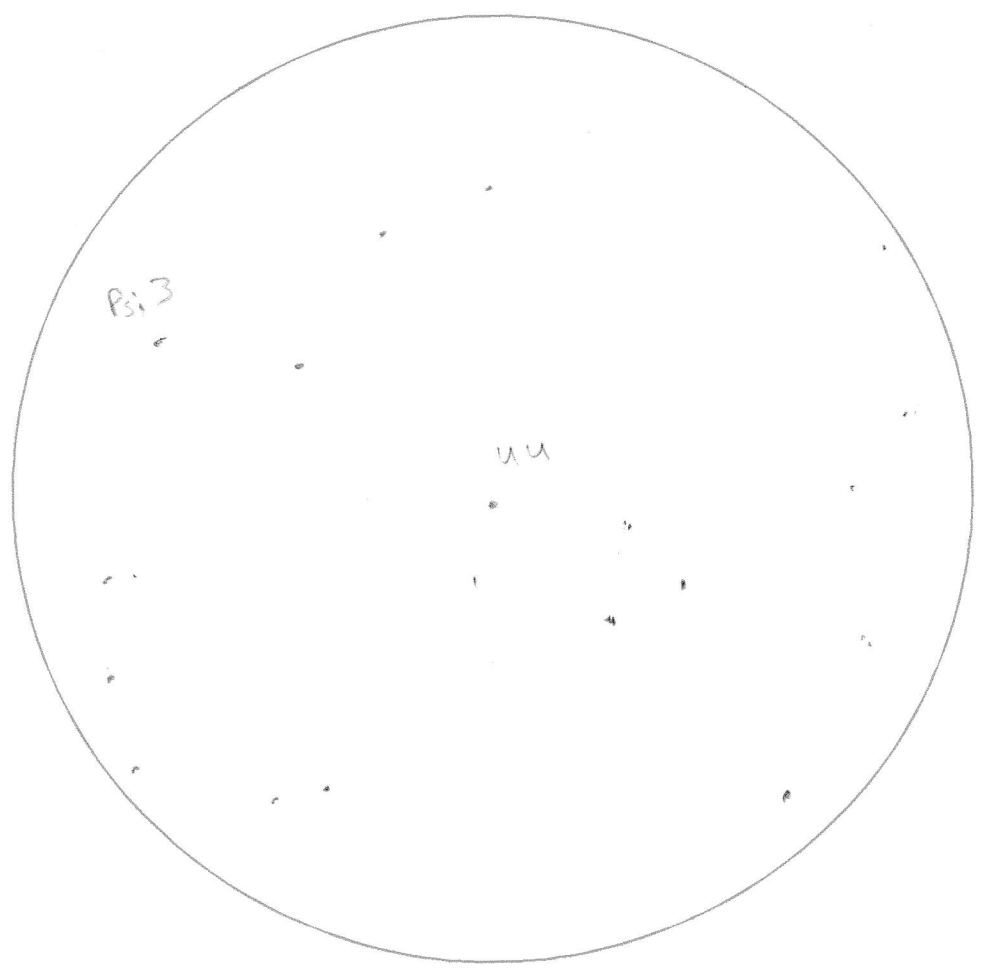
Sky & Session Notes: Full moon (99.8%)

Lv m 3.4 SDm 18.76 1300

UU Aur makes a corner of a Cepheus-like asterism. (a pentagon).

Telescope: 80mm f/7 refractor

Magnification: 15x (38mm SWA)



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: VW Gem

Magnitude Range & Estimation: "8.1-8.5" (8.2)

Time/Date: 2/26/17 10:01pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Distinctly orange star, sitting

Seeing / Transparency: 4/10 8/10

by itself. Rather open

Sky & Session Notes: 21.60 90°

field, with just a handful of

clear but breezy

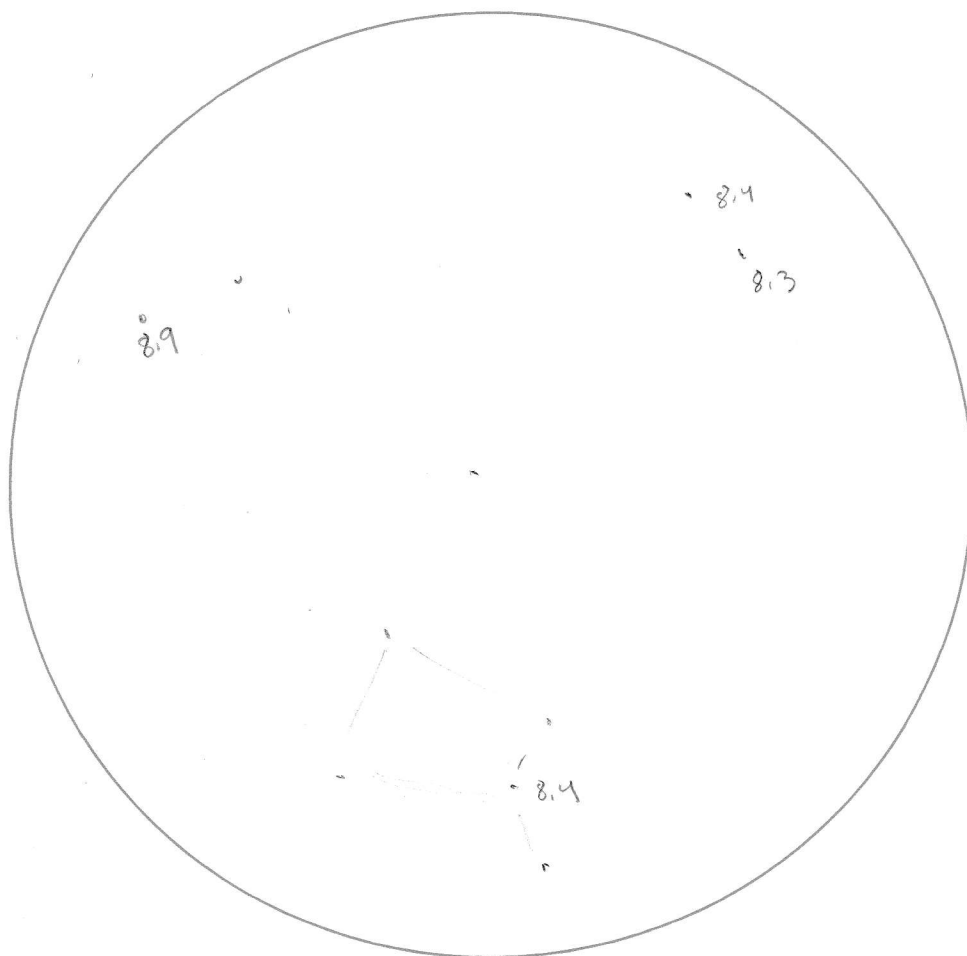
stars scattered about, three

Telescope: C8 +26mm

of which are similar in brightness

Magnification: 78x

to VW Gem.



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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: GY Mon

Magnitude Range & Estimation: "8.1-9.0" (8.2)

Time/Date: 2/26/19 10:17pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A nice deep mag star,

Seeing / Transparency: 4/10 8/10

sitting above a skewed

Sky & Session Notes: SDM 21.60 9°C
clear but breezy

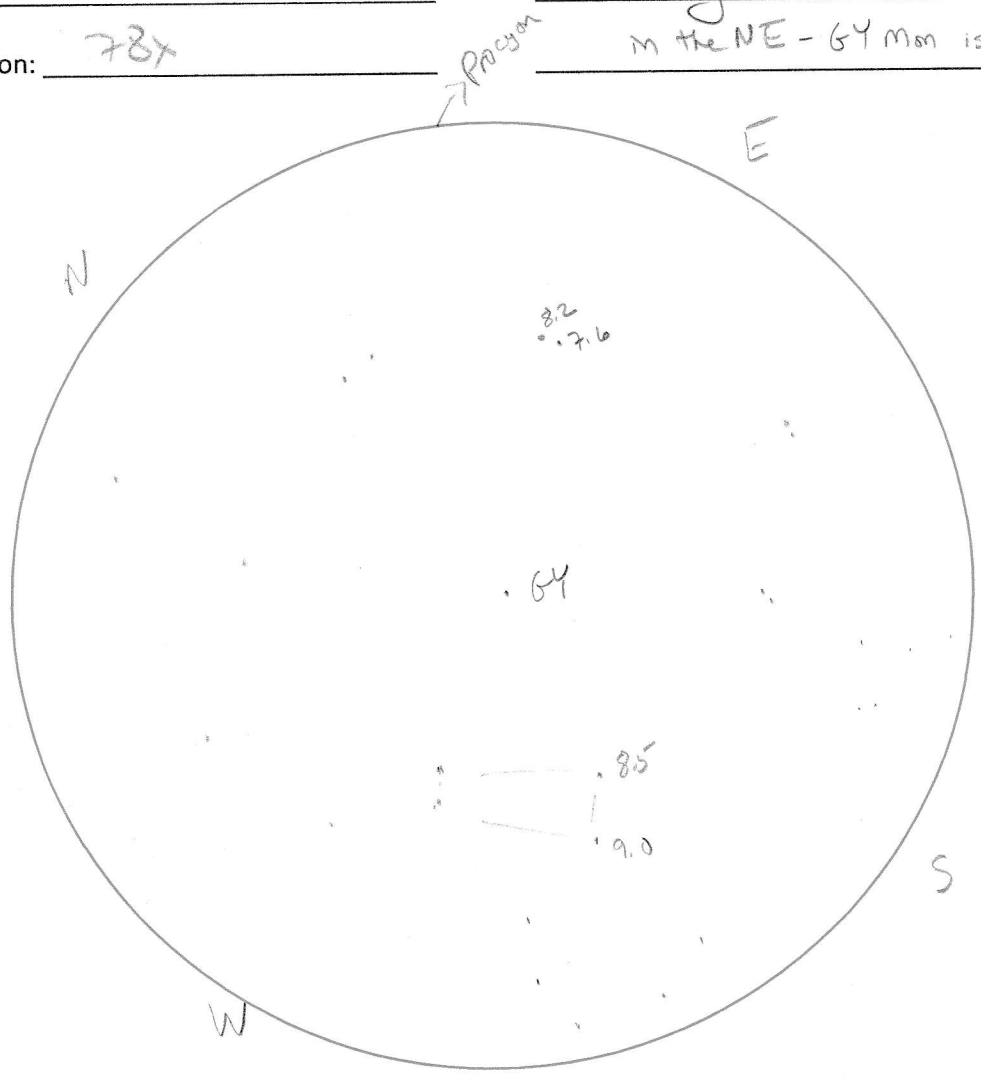
rectangle of stars. A lot
of paired stars in the field!

Telescope: CB +26mm

Pretty pair of bright catseyes

Magnification: 78x

in the NE - GY Mon is similar in brightness.



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: RV Mon

Magnitude Range & Estimation: "7.0-8.9" 7.5

Time/Date: 2/26/17 10:40 am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright yellowy orange -

Seeing / Transparency: 4/10 2/10

Seems to be as bright as

Sky & Session Notes: SDM 21.6 7°C

the only other bright star in

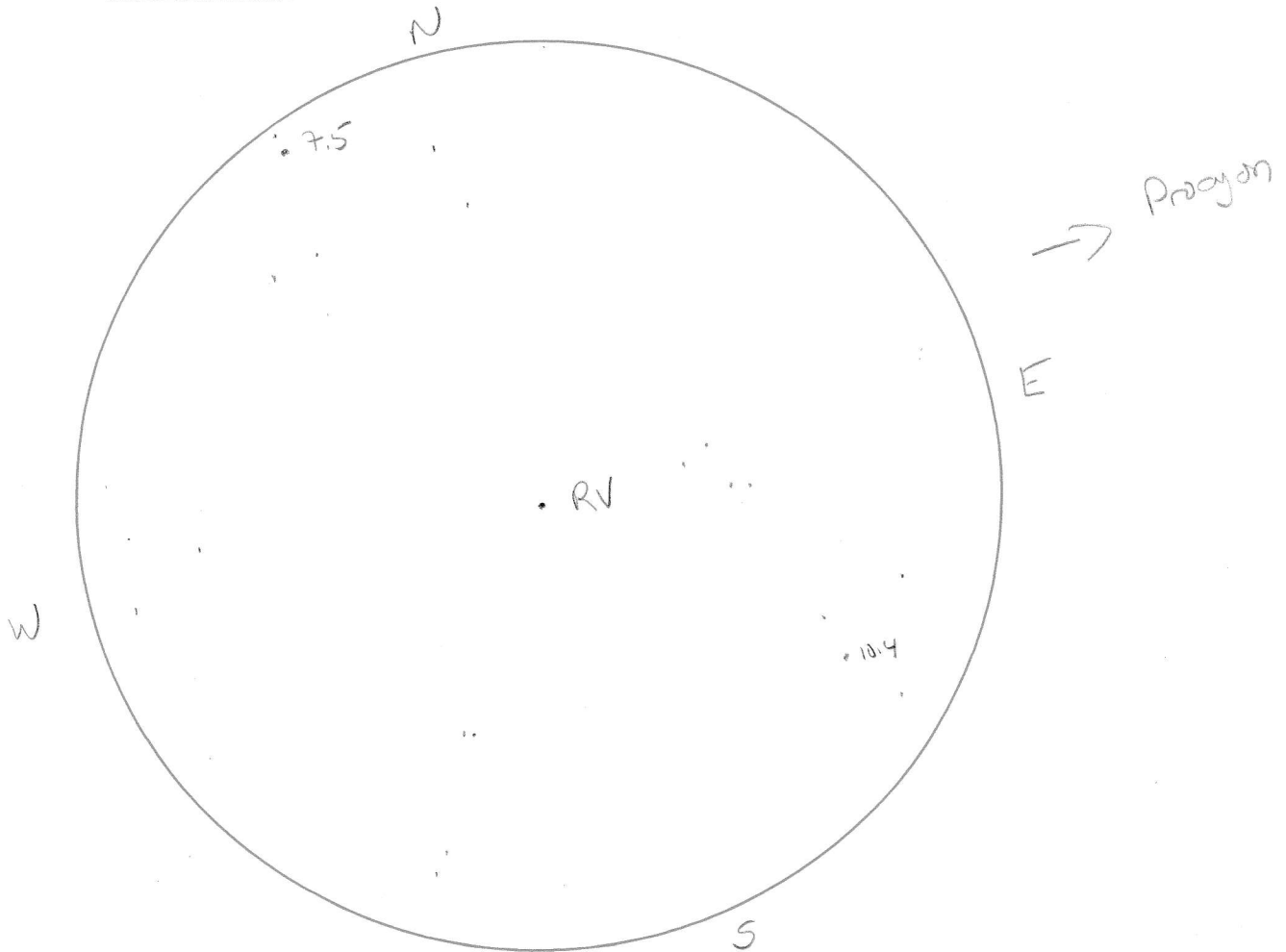
clear but cold + breezy

the field (to the north edge). Not

Telescope: C8 + 26mm

much going on here.

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: V614 Mon

Magnitude Range & Estimation: "7.0-7.4" (7.3)

Time/Date: 10:59pm 2/26/17

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Crisp orangey yellow.

Seeing / Transparency: 4/10 3/10

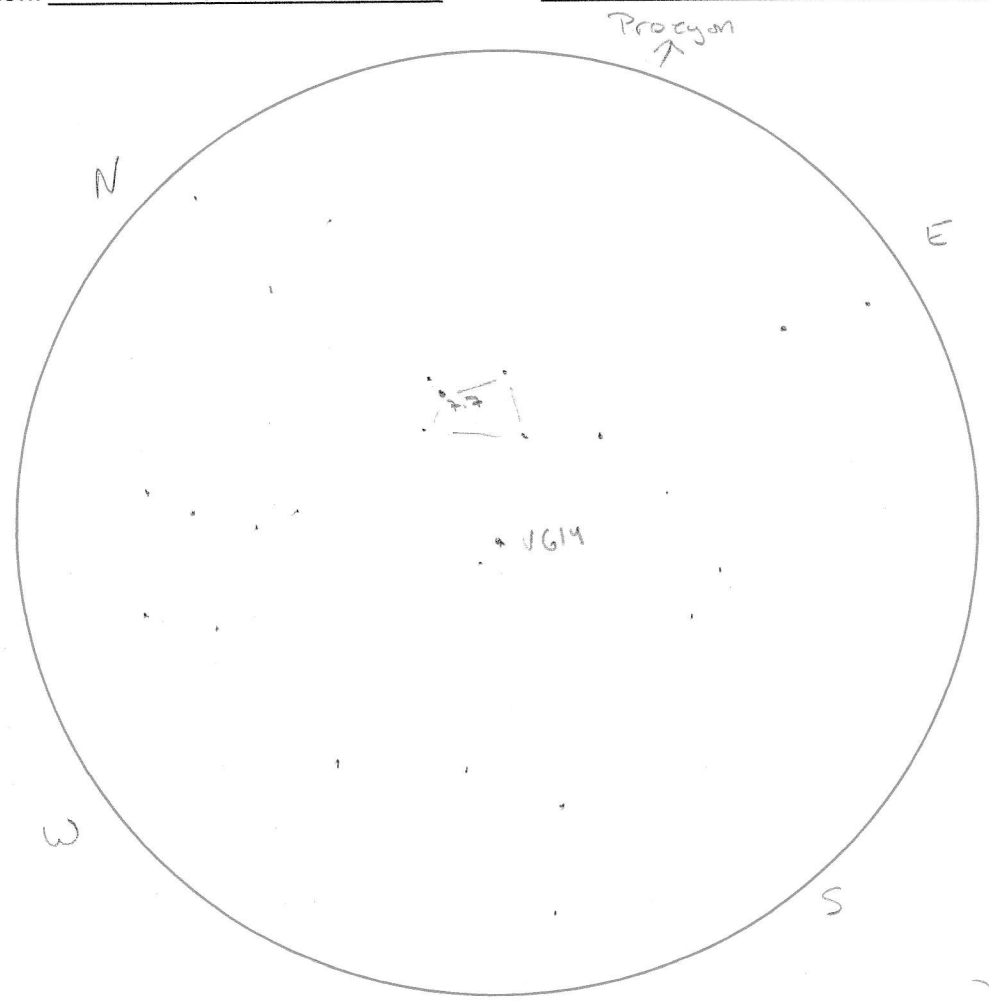
Brightest star in the field. A

Sky & Session Notes: 50m 21.6 7°C
clear / cold / breezy

"Flying wedge" asterism with
a bright star is just above it
to the northeast.

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: RY Mon

Magnitude Range & Estimation: "7.5-9.2" (8.4)

Time/Date: 2/26/17 11:15pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Electric orange! A pretty

Seeing/Transparency: 4/10 2/10

field of loosely scattered

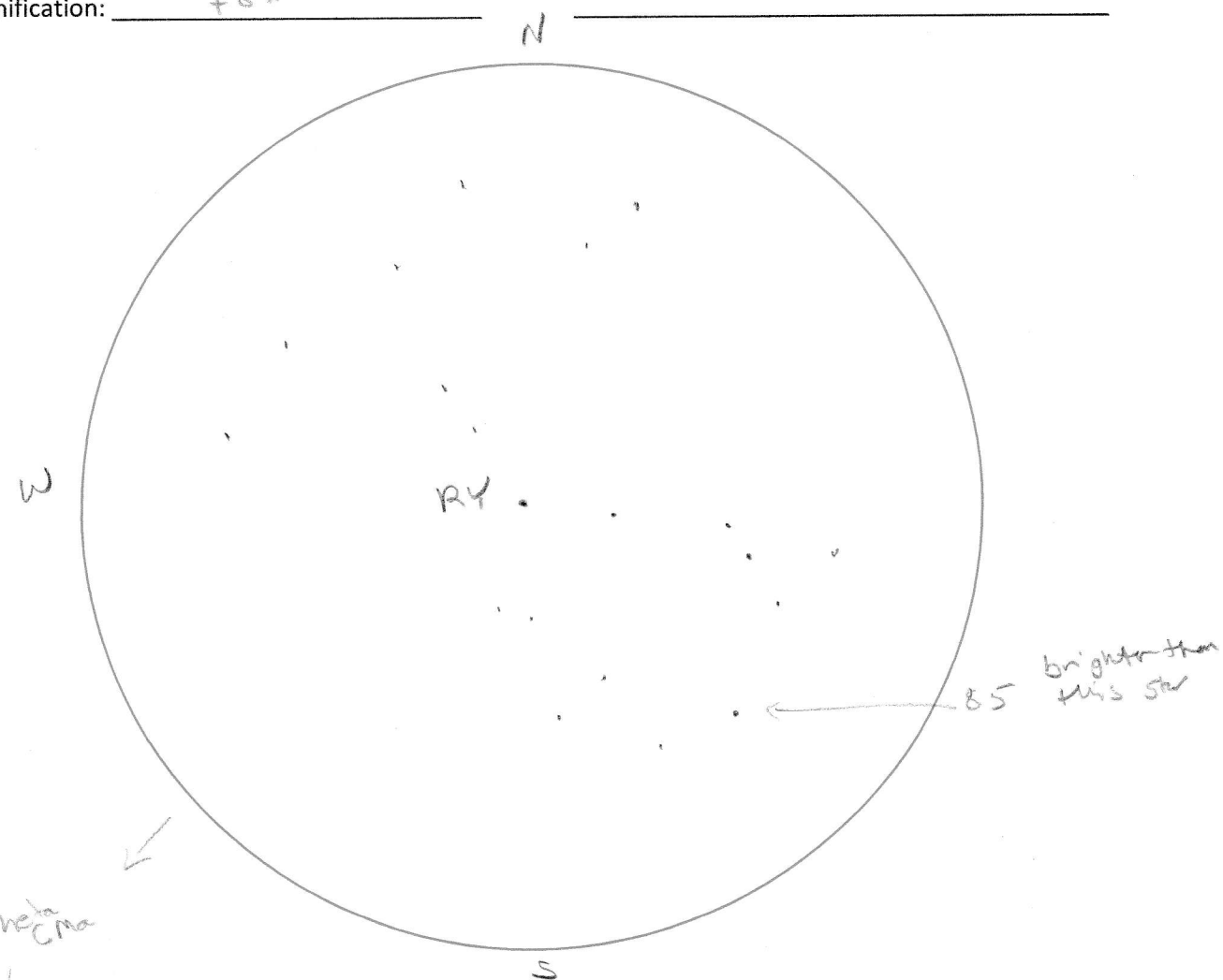
Sky & Session Notes: 50m 21.6 7°C

stars

clear / cold / breezy

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: W Cma C6(N)

Magnitude Range & Estimation: "6.4-7.9" (7.7)

Time/Date: 3/29/16 10:25pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Flows like a ^{thing} tangerine! Lots
of stars in the field, so upped

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

the mag to 135x.

Sky & Session Notes: clouds clearing.
No moon.

Very nice color to this one.

Telescope: C8 (SCT)

Magnification: 135x (15)



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

CARBON STAR OBSERVATION LOG

Marie Lott

Object name: R CMi

Magnitude Range & Estimation: "7.3-11.6" (8.8)?

Time/Date: 2/27/17 11:31 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A nice, plain, orange star.

Seeing / Transparency: 4/10 3/10

A large boxy mesa of stars

Sky & Session Notes: SOM 21.6 79

lies to the south. A

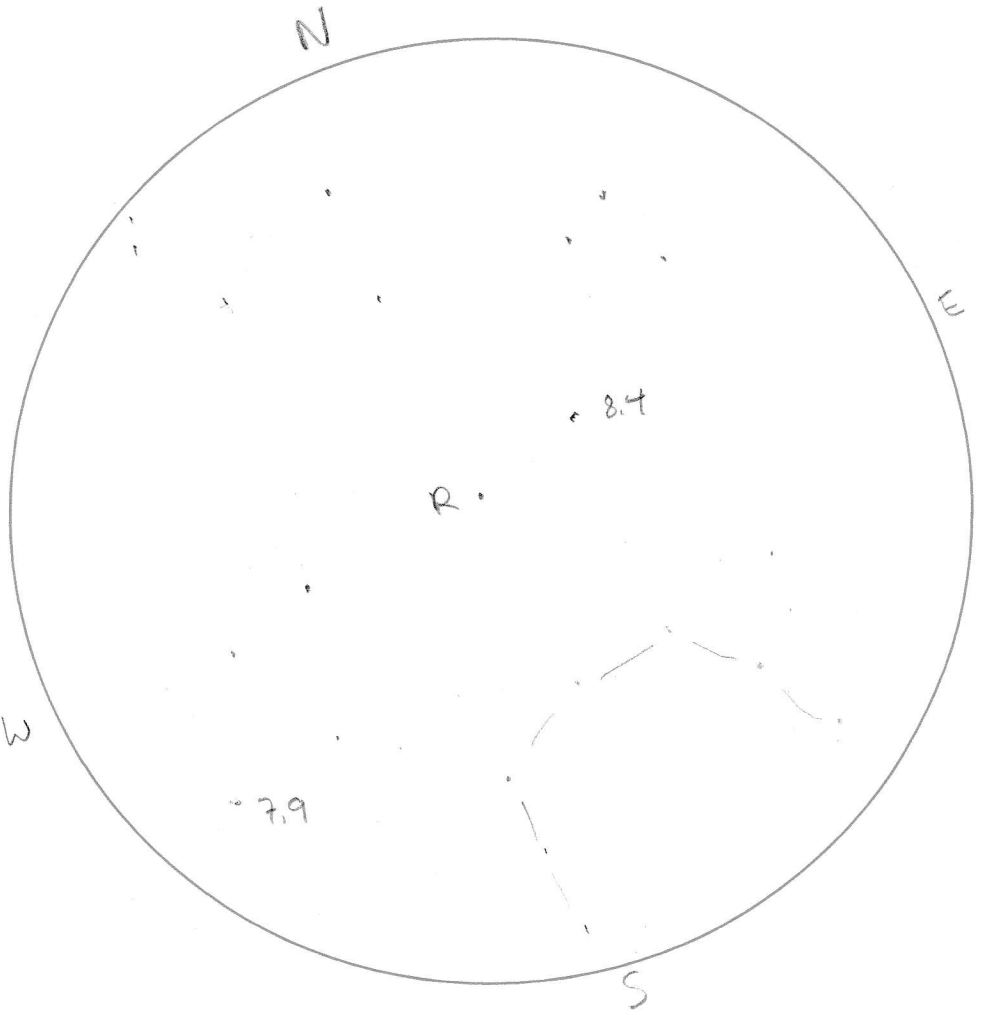
clear / cold / breezy

bright mag 7.9 star is

Telescope: CE - 26mm

to the west

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: Bm Gem

Magnitude Range & Estimation: "8.3-9.2" (8.6?)

Time/Date: 2/27/16 11:53pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A sharp ember of reddish orange at the end of a small arc of three. Brightest star in the immediate field (except for brilliant 57Gem (mag 5) to the East.

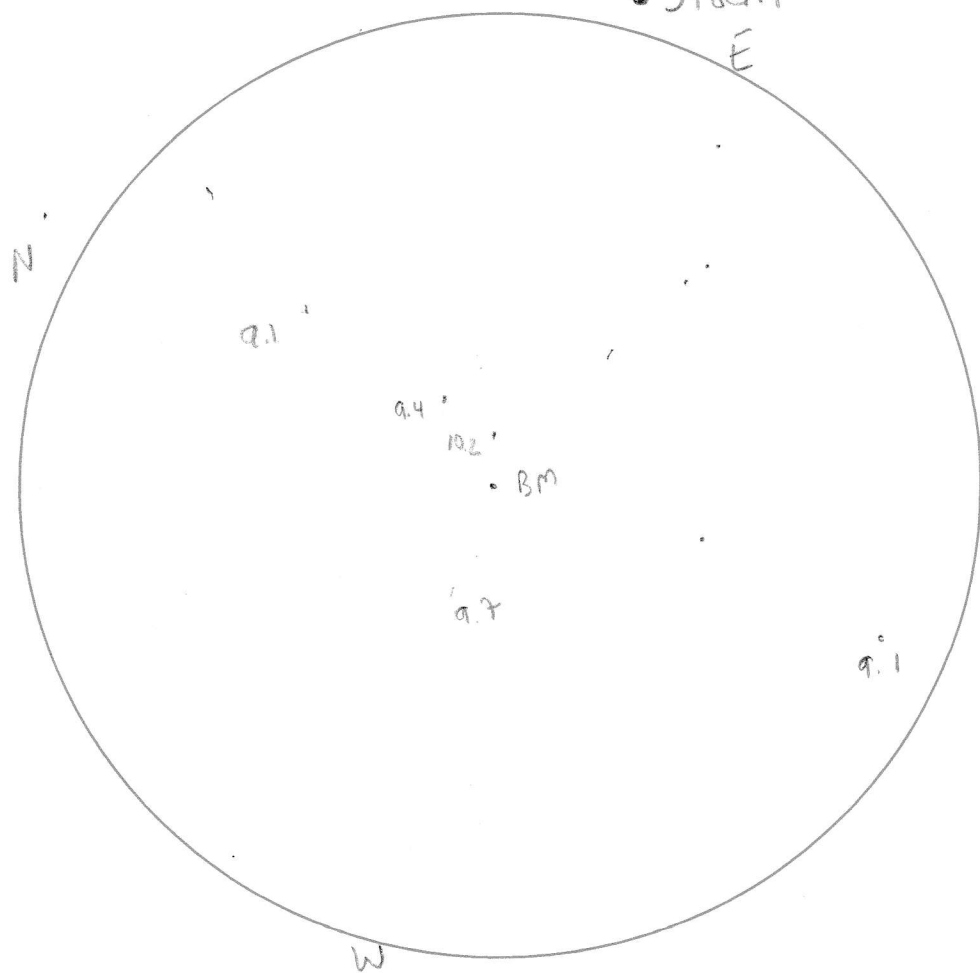
Seeing / Transparency: 4/10 8/10

Sky & Session Notes: 50m 21.6 6°C
clear / cold / breezy

Telescope: C8 + 26mm

Magnification: 78x

• 57Gem



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: Ru Cam

Magnitude Range & Estimation: "8.1-9.8" 8.5?

Time/Date: 3/3/17 10:20pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very pale, just a hint of orange or ^{brownish} yellow. 3 very faint stars in a line to the SW. A brighter group is on the N side.

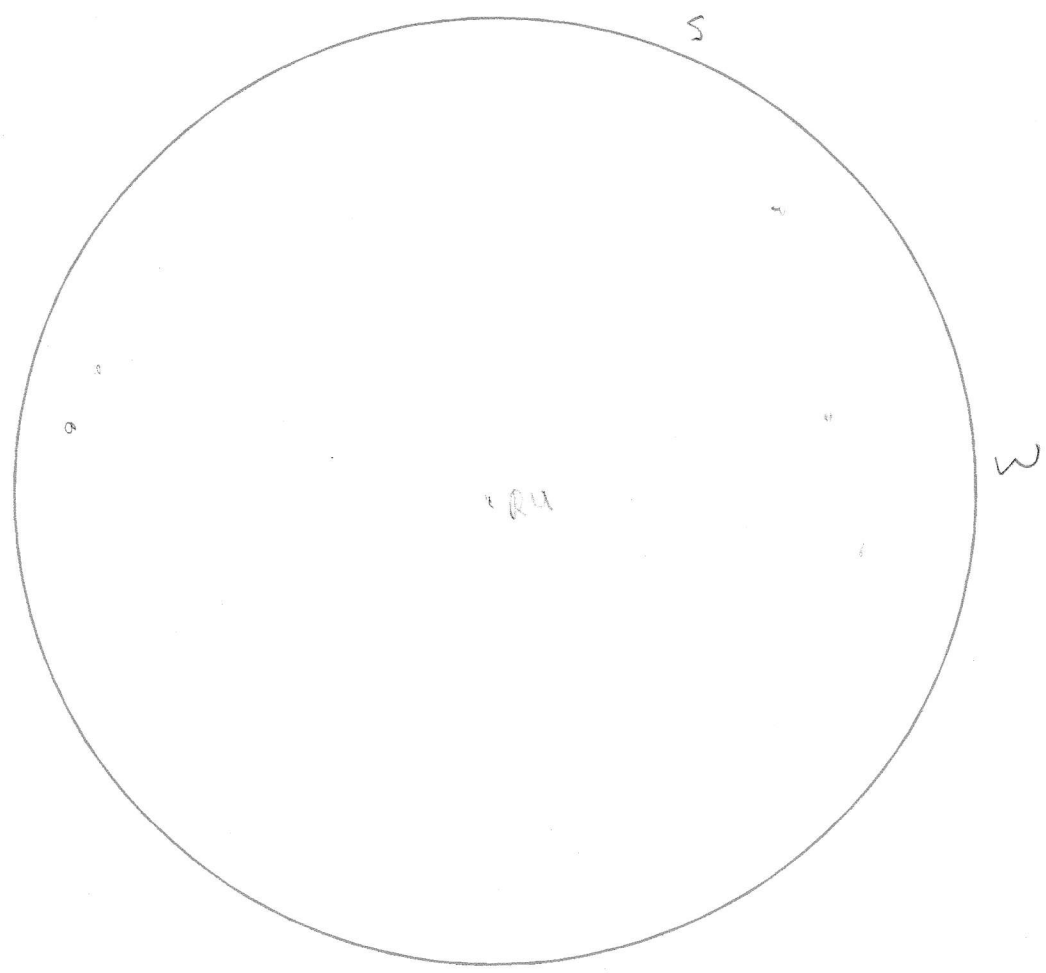
Seeing/Transparency: 6/10 8/10

Sky & Session Notes: SQM 21.61 8°C
clear but some light glow on horizon

Telescope: C8 + 26mm

Magnification: 78x

is on the N side
Spurce 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: NQ Gem

Magnitude Range & Estimation: "7.4-8.0" (8.0)

Time/Date: 3/3/17 10:45pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pale yellow orange, with

Seeing / Transparency: 6/10 8/10

a nearly-as-bright twin

Sky & Session Notes: Sam 21.61 8°C

companion next to it making a

clear but some light glow @ horizon

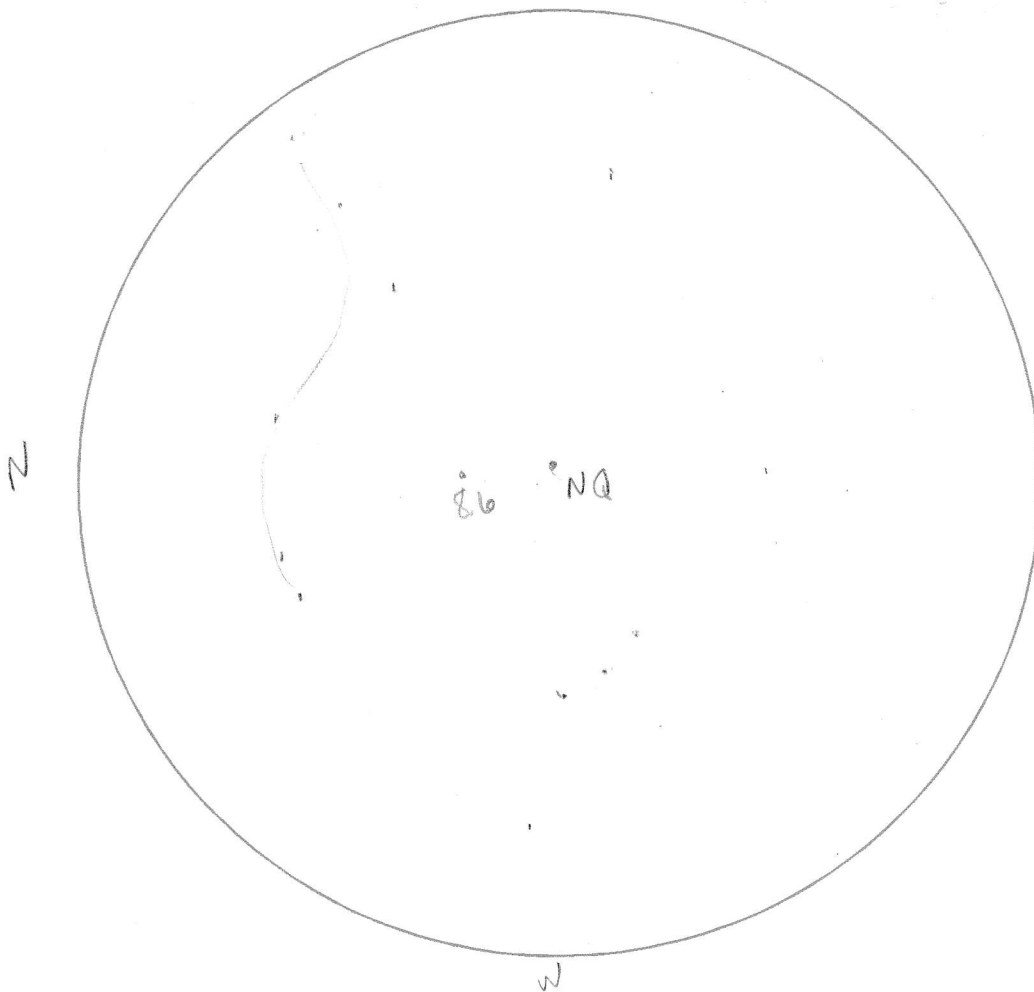
distinctive pair of stars. A

Telescope: C8 + 26mm

wide wiggle of stars lies to

Magnification: 78x

the North. A curved three-star
line lies to the west.



CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Ru Puppis CS (M3)

Magnitude Range & Estimation: "8.1 - 11.1" (9) (9.2?)

Time/Date: 3/6/16 9:40pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Lots of stars in the field!

Seeing / Transparency: 5.6/10 T7/10

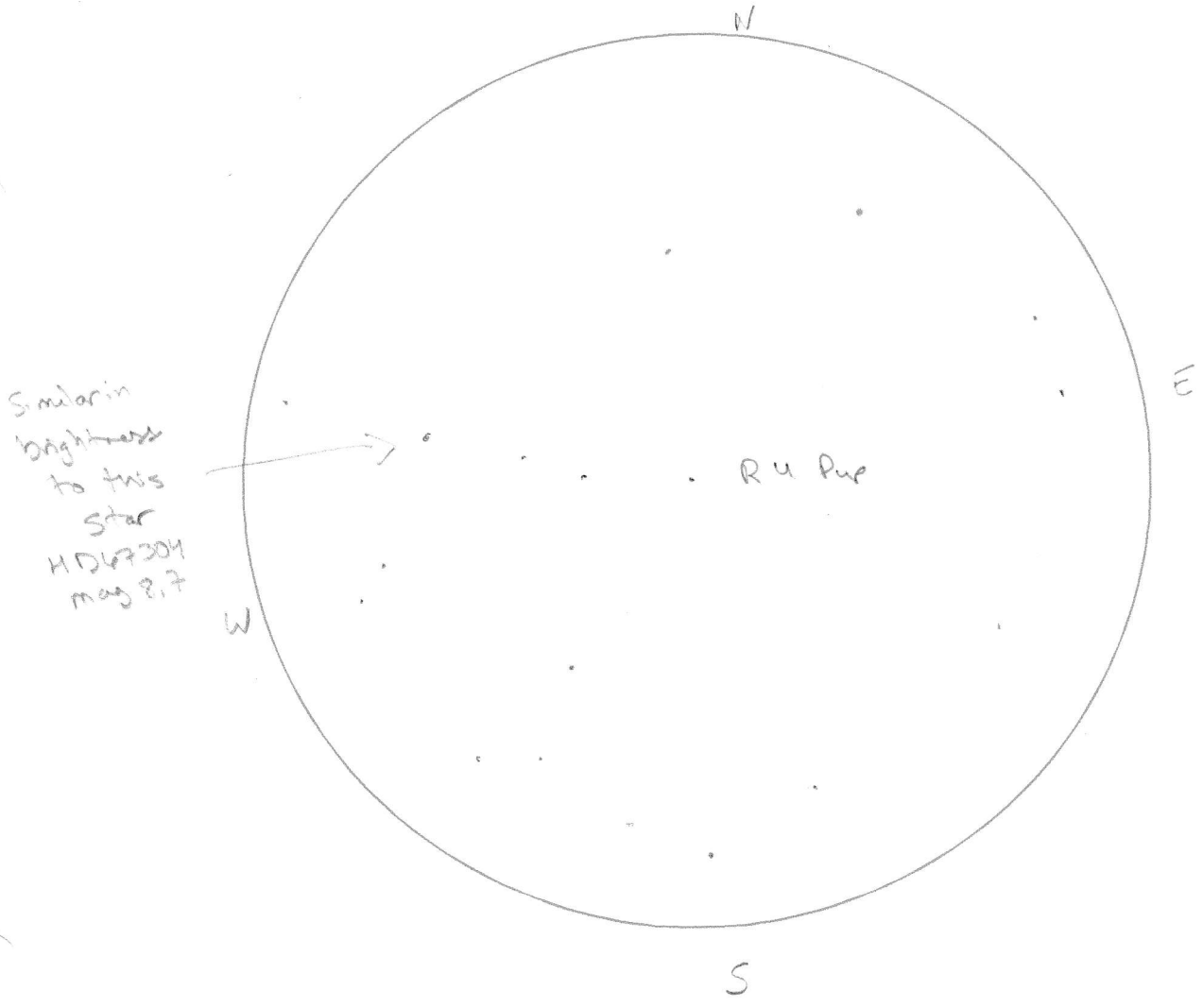
I don't see as much color as others

Sky & Session Notes: Sky improving - fewer clouds now. New moon. SQM21.50

have described; more yellow/orange or pale burnt orange.

Telescope: CB w/ 40mm E.P.

Magnification: 51x



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: X Cnc CS (N3)

Magnitude Range & Estimation: "5.6-7.5" 6.5
est.

Time/Date: 5/5/16 11:37pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very bright pale yellow-orange
star. 6 relatively bright

Seeing / Transparency: 6/10 7/10

Sky & Session Notes: New moon; t-storms

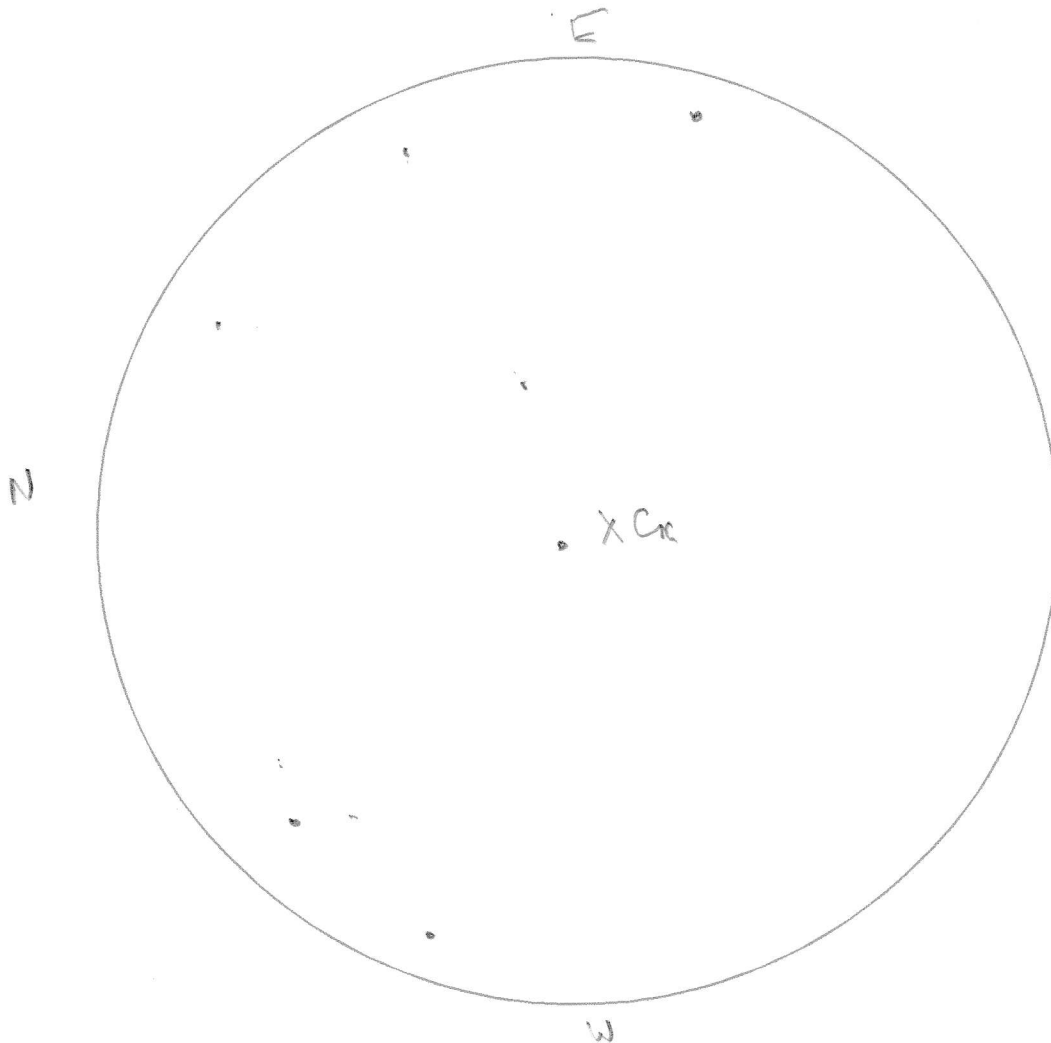
Field stars around the edge
of the north side of the field

o sunset; clearing now. SQM 21.66 10°C

Telescope: C8 + 26mm WA

Near Delta Cnc.

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: T Cnc (3-5 (R6-N6))

Magnitude Range & Estimation: "7.6-10.5" (8.5 est)

Time/Date: 5/5/10 11:30PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

delicate bluish orange!

Seeing / Transparency: 6/10 7/10

A scattering of mag 8-10

Sky & Session Notes: New moon; E storms

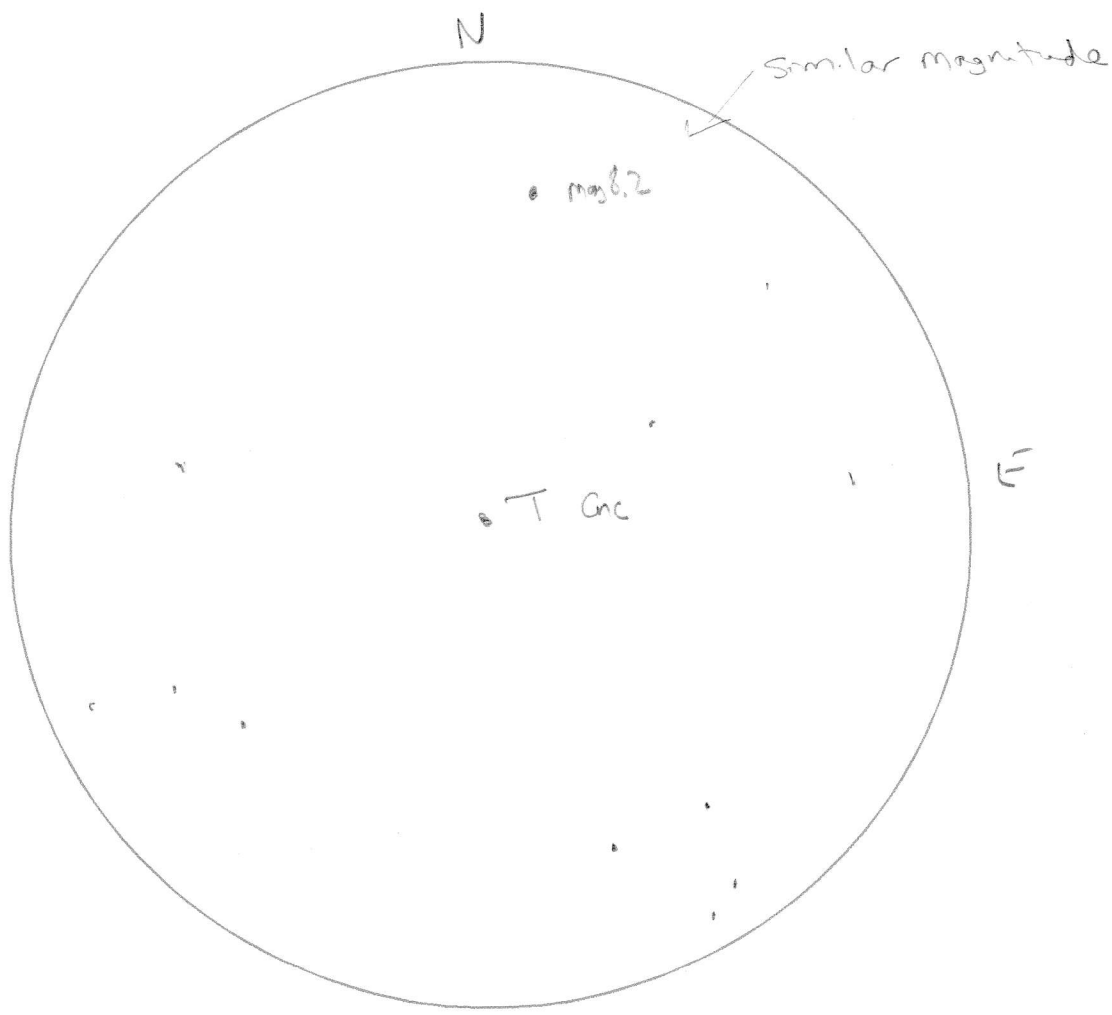
stars, about a dozen.

@ sunset; clearing now. 50% 21.6. 10°C

Pretty field.

Telescope: C8 + 26mm WA

Magnification: 78x



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CARBON STAR OBSERVATION LOG

Marie Lott

Object name: γ Hydrae CS(N3)

Magnitude Range & Estimation: "6.5-9.0" (6.9)??

Time/Date: 5/6/16 10:32pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Intense orange-yellow - very

Seeing/Transparency: 6/10 7/10

bright. Other field stars are

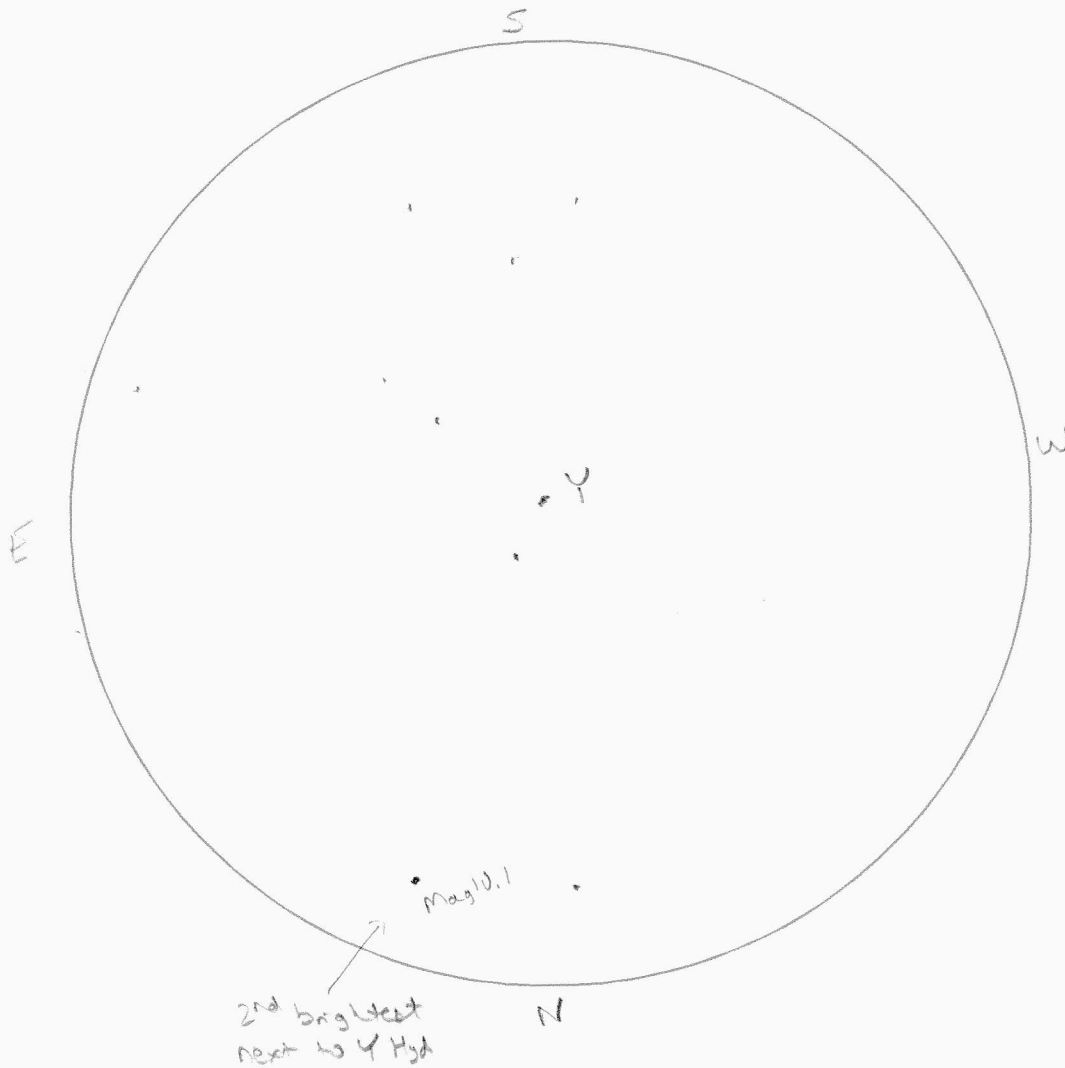
Sky & Session Notes: SQM 21.53 14°C

much fainter. Field seems

Telescope: C8 + .63 PR = 20mm

empty around the electric
star.

Magnification: 64x



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