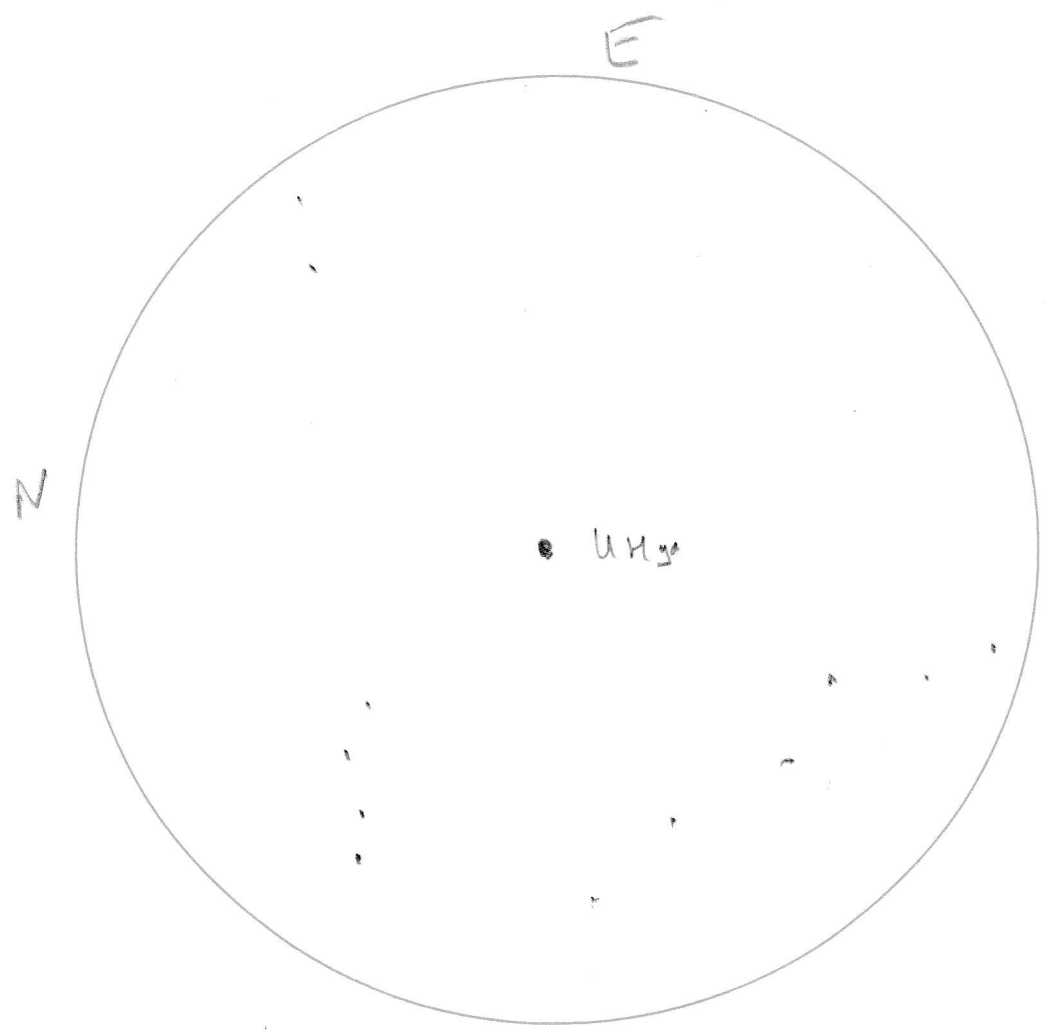


### CARBON STAR OBSERVATION LOG

Object name: U Hya CG 5 (12)  
 Time/Date: 5/5/16 11:57pm  
 Observing Site: DAV  
 Magnitude Estimation: (5?) "4.5-6.2"  
 Sky: Transparency 7/10 Seeing 6/10  
 Session notes: New moon. SQ M21.66 1000  
 Telescope: C8 = 32mm  
 Magnification: 64x

Detailed description & sketch with 5 field stars,  
 if possible: Wow! Very bright  
yellow w/ a touch of orange.  
A busy field with 2 prominent  
streams of stars to  
the NW & SW. By far the  
brightest star in the field



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: VY UMa (G(N))

Magnitude Range & Estimation: 5.9-7.0 (6.2)

Time/Date: 5/6/16 11:05PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Very pretty: bright golden

Seeing/Transparency: 5/10 5/10

orange (another glowing pumpkin

Sky & Session Notes: High clouds coming in.

star). Bracketed at NE;

50m 2.53 14°C

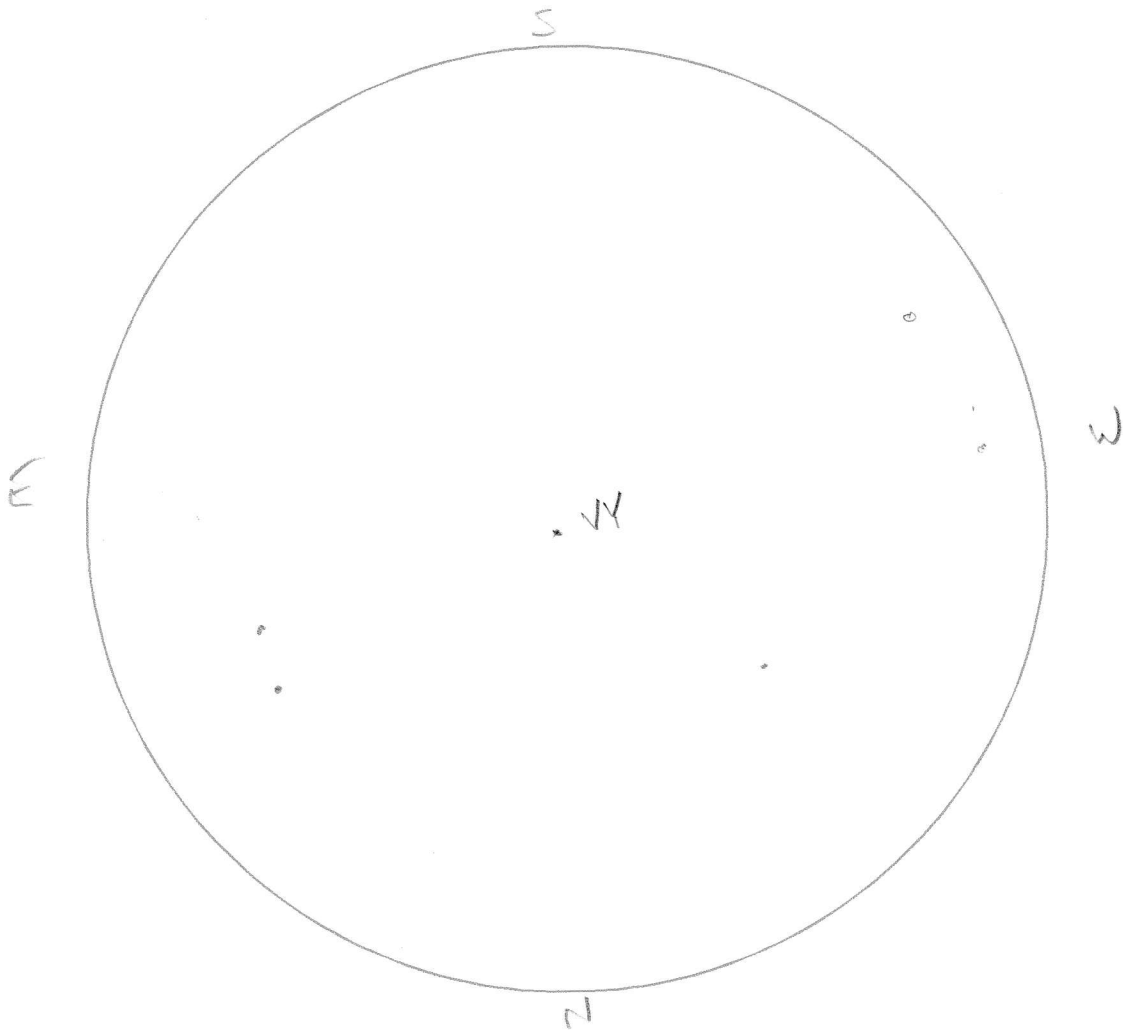
SW edges of the field by a

Telescope: C8 .63FR + 24mm

tighter pair (NE) = a wider pair

Magnification: 53x

(SW) of stars.



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

"6.5-12" (8)

Object name: V Hya (C6-C7 (N6e))

Detailed description & sketch with 5 field stars,

Time/Date: 11:50 pm 5/5/16

if possible: A zinger of an orange

Observing Site: DAV

star! A faint set of cat's eye

Magnitude Estimation: 8 "6.5-12"

to the north. Similar in

Sky: Transparency 7/10 Seeing 6/10

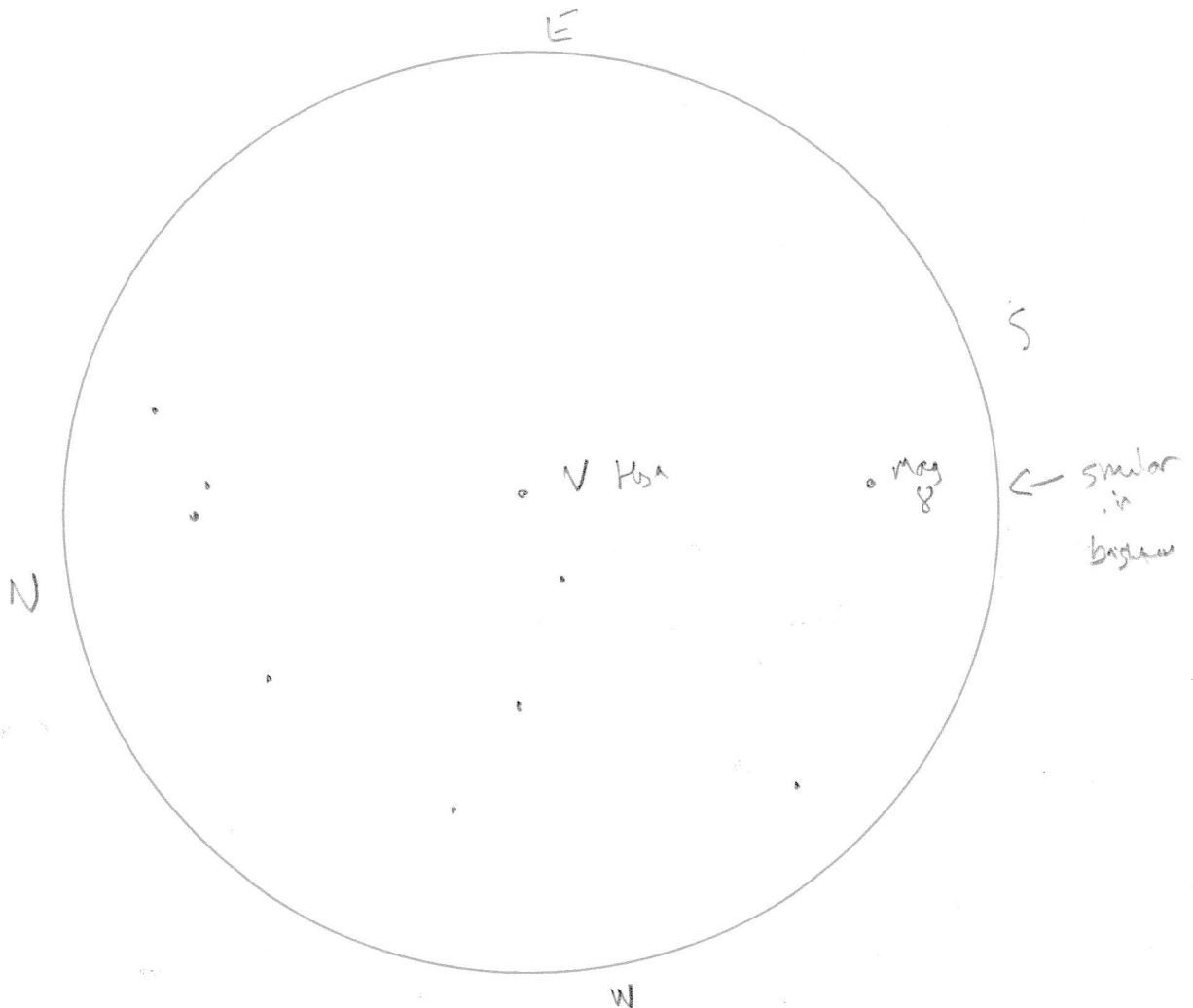
brightness to that of

Session notes: New moon 50m 21.66 10h

a mag 8 FS to the south.

Telescope: C8 + 32 mm

Magnification: 64x



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: SS Virginis CG (Ne)

Magnitude Range & Estimation: "6-9.6" (6.5)

Time/Date: 5/5/16 11:10pm EDT

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brightest star in the field.

Seeing / Transparency: 6/10 7/10

A reddish cream color. A 2-hop

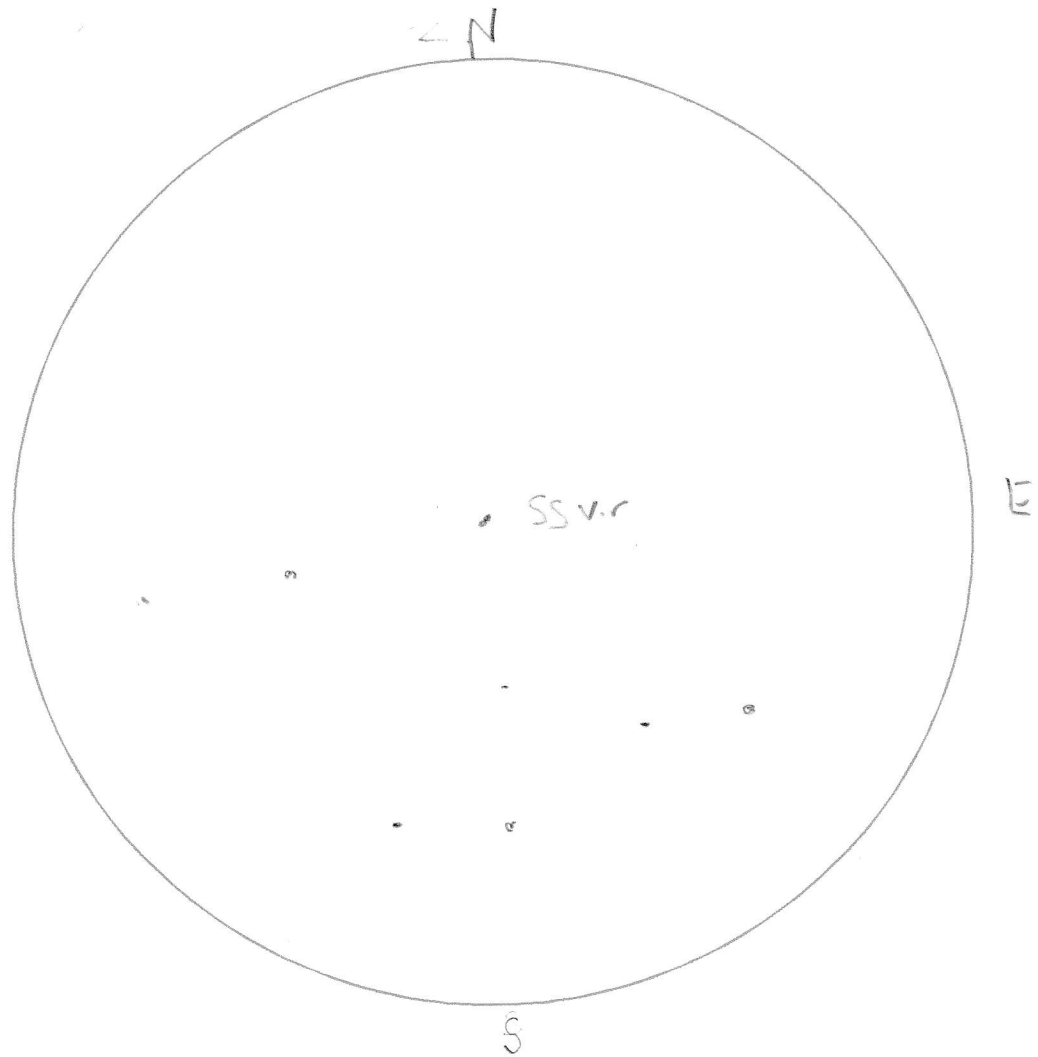
Sky & Session Notes: New moon; + storms  
a sunset. Clear now! 50m 21.66 10°C

trail of 2 of field stars crosses the  
field, just to its south. Two other are

Telescope: C8+ 38mm SWT

widely spaced F.S. to the west.

Magnification: 54x



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: La Superba (S(N3))

Magnitude Range & Estimation: 4.8-6.4

5.4

Time/Date: 5/6/16 10:55 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright & bold! Pumpkin-colored-

Seeing/Transparency: 5/10 5/10

should be a Halloween star. Had

Sky & Session Notes: Getting a little

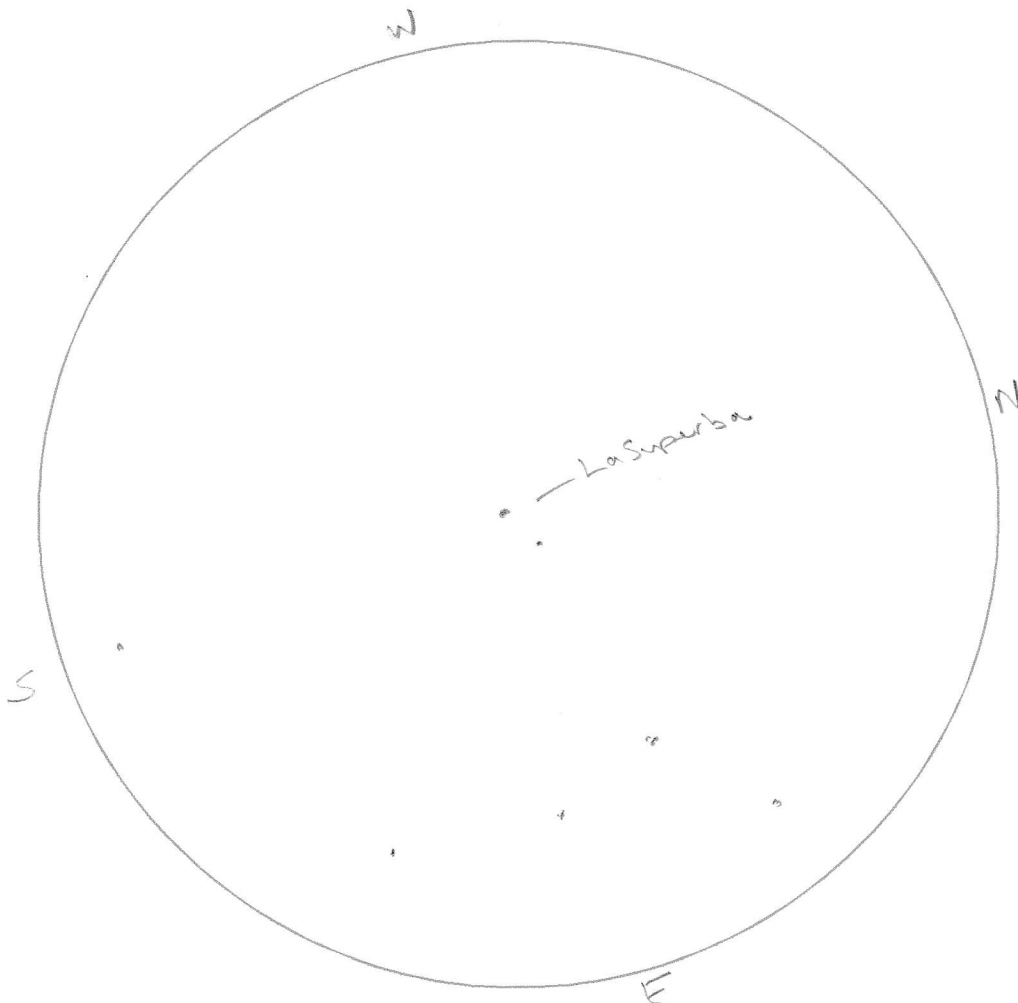
to zoom out a tad to get

hazy SQm 21.53 14°C

enough field stars.

Telescope: C8 .63FR = 29mm

Magnification: 53x



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: RY Dra 04(114D)

Magnitude Range & Estimation: "6.0-8.0" (6.5)

Time/Date: 5/7/16 10:56pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Bright, delicate orange cream color. Almost a mag diameter than

Seeing/Transparency: 5.7/10 - 8/10

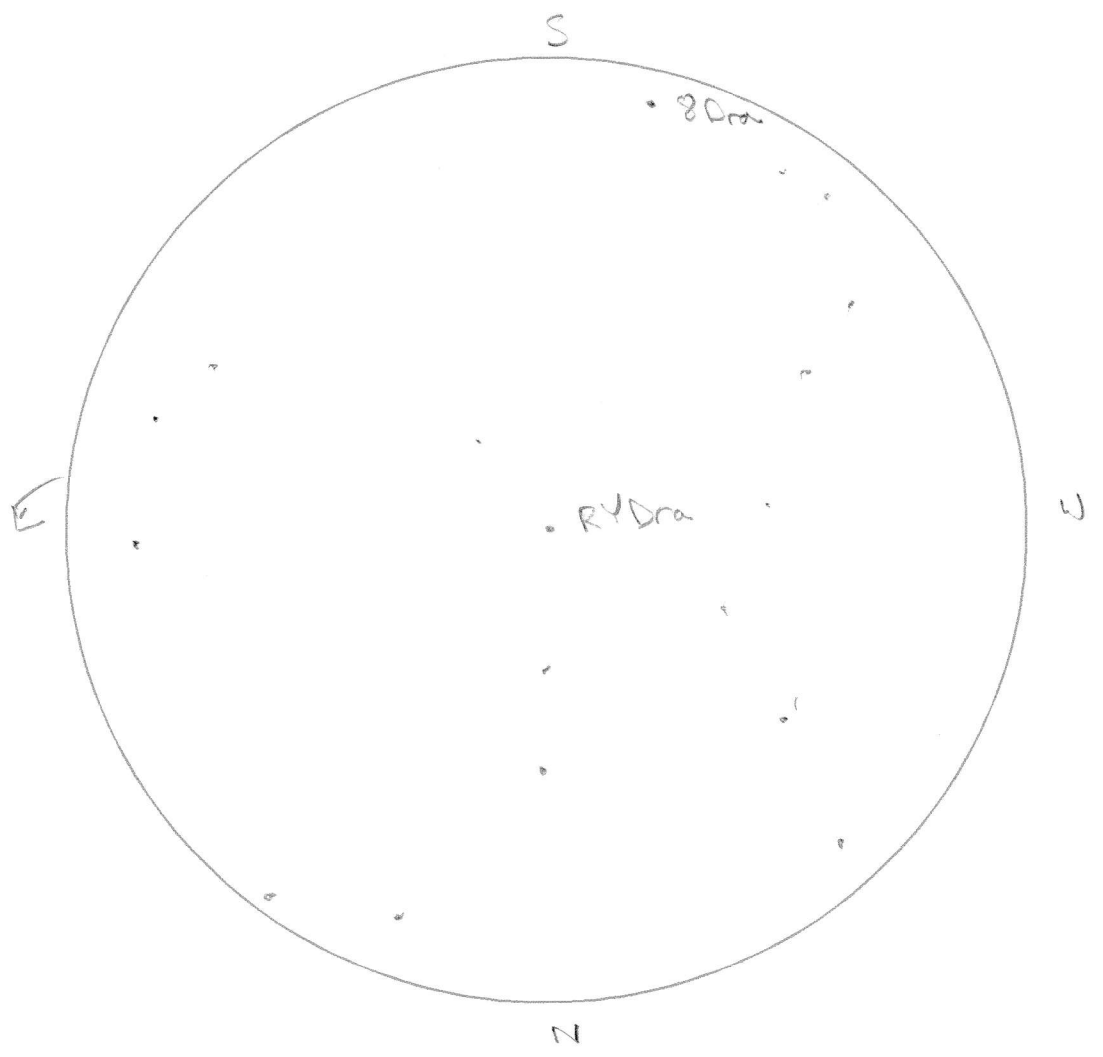
8 Dra (5.2M<sub>g</sub>)

Sky & Session Notes: 50m 21.77 72<sup>00</sup>

clear slightly breezy

Telescope: C8 +1.63PR +24mm

Magnification: 53x



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: SAO 152721 (Virgo)  
c2 (KSp)

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

Time/Date: 5/6/10 10:49 pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

I disagree w/ the booklet about not

Seeing / Transparency: 6/10 9/10

having color. To me color is obvious - it is

Sky & Session Notes: SDM 21.53 14°C

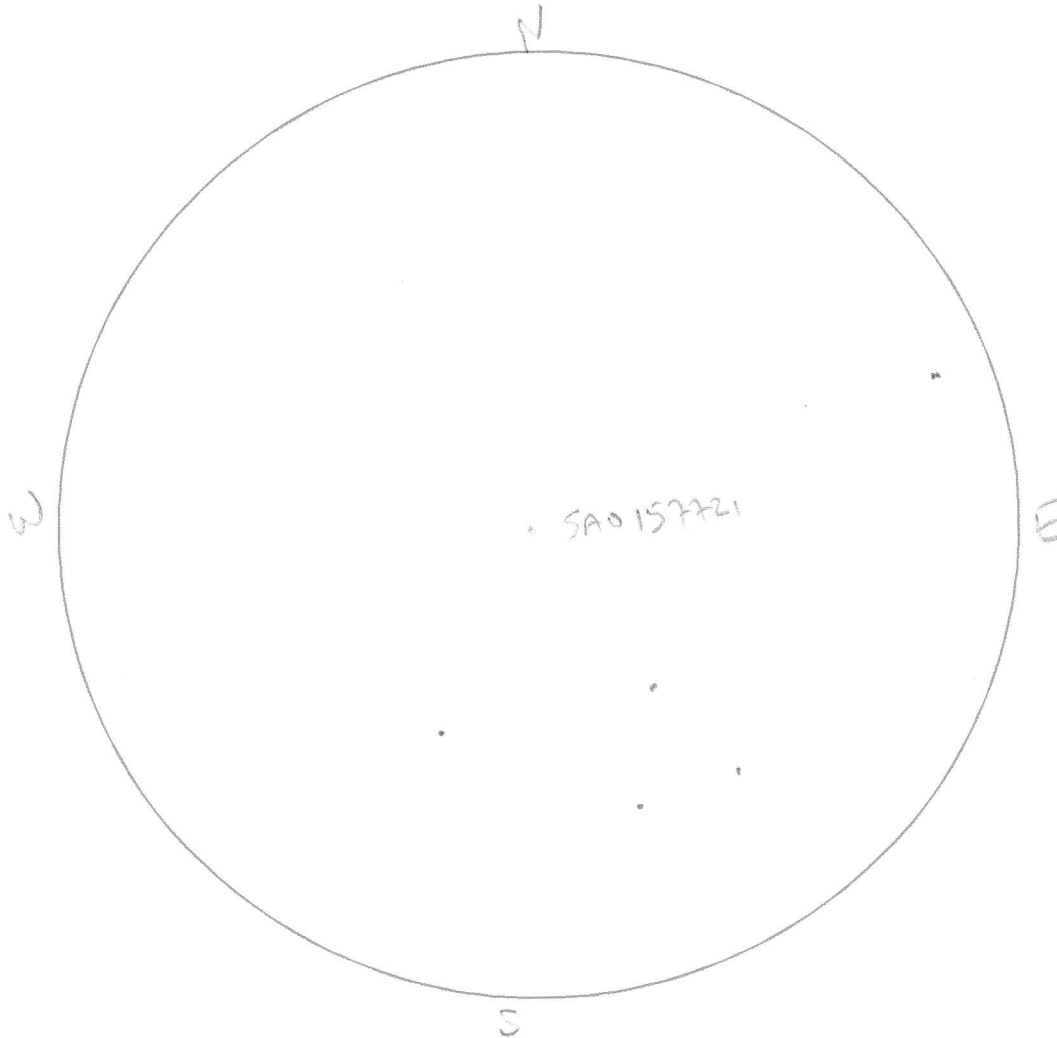
a dim bronze star to my eye.

Telescope: L9 103FR + 20mm

Sits above a nice kite-shaped

Magnification: 64x

diamond of 4 field stars



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: V CrB (C6(N)2e)

Magnitude Range & Estimation: "6.9-12.6" (10)

Time/Date: 5/7/16 11:15 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Dim & Dark. Perhaps a burgundy?

Seeing / Transparency: 2/10 8/10

Somewhat of a muddled field or

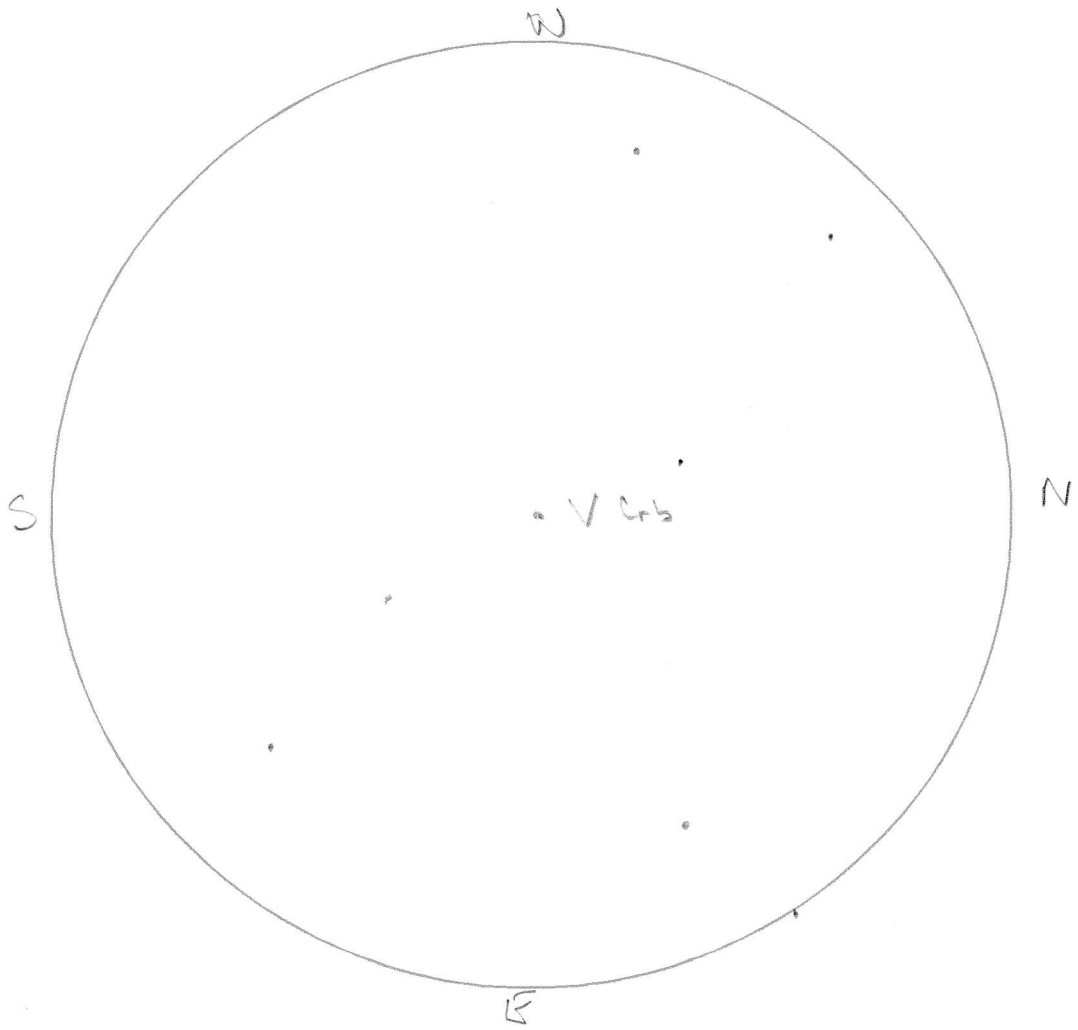
Sky & Session Notes: clear & slightly breezy

dim stars - brightest is to mag 8.

Great night! SWM 21.77 22°C

Telescope: C8 .63FR + 24 mm

Magnification: 53x



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



SQM 2155  
250C

#59

### CARBON STAR OBSERVATION LOG

Object name: RR Her  
 Time/Date: 10:24 pm 9/24/16  
 Observing Site: DAV  
 Magnitude Estimation: 9 "7.8-12.5"  
 Sky: Transparency 7/10 Seeing 6/10  
 Session notes: Mild rabbit hunt  
 Telescope: C8 24mm, 32mm  
 Magnification: 85x

Detailed description & sketch with 5 field stars,

if possible: "7.8-12.5" (9)

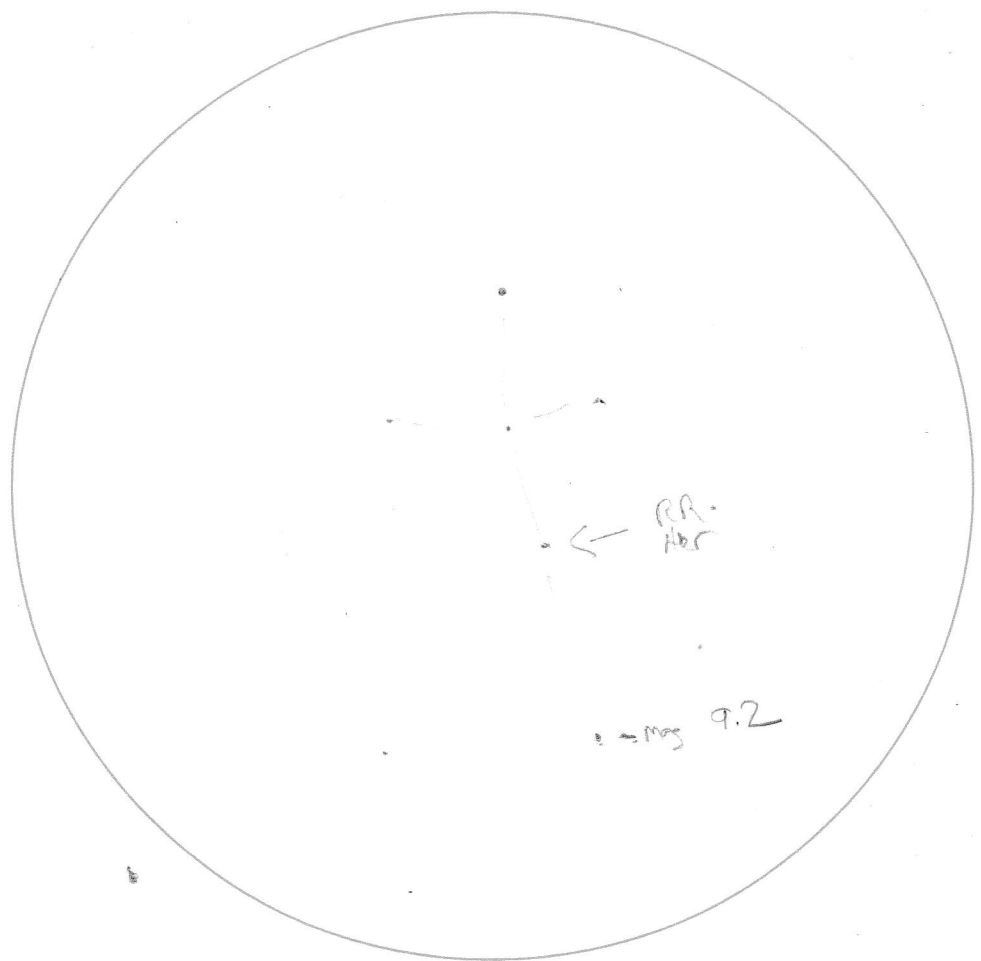
Similar in brightness to a nearby star (see sketch).

Somewhat subtle dusky orange.

Situated in a airy cross-like

formation of 5 stars.

Pretty.



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V Ophiuchi

Magnitude Range & Estimation: "7.3-11.6" (8.6)

Time/Date: 6/27/17 11:13pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A very nice burnt orange

Seeing / Transparency: 6/10 5/10

star. Part of a striking line

Sky & Session Notes: Patchy thin

of only slightly dimmer stars.

clouds around, cool for June (21°C)

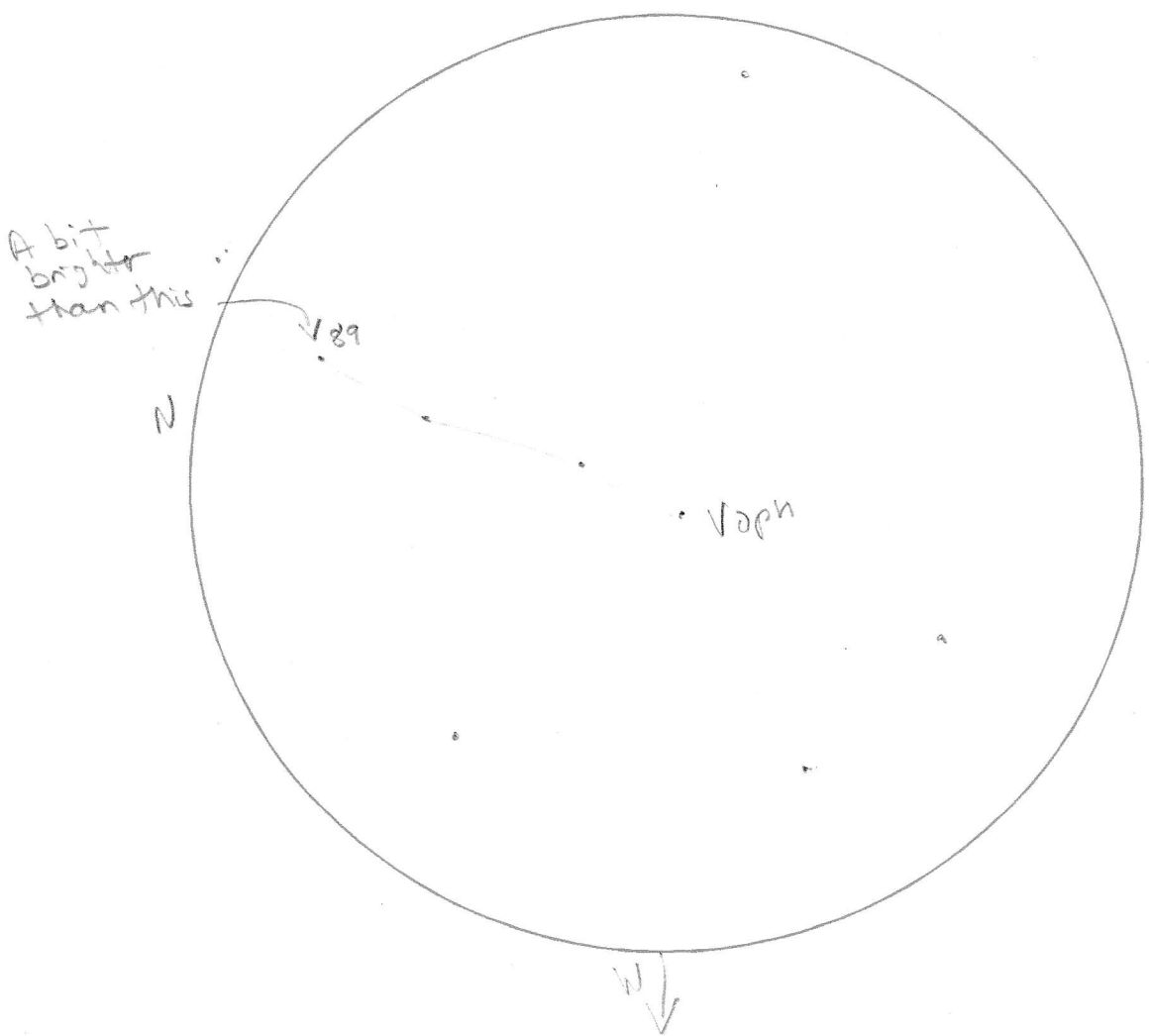
Easy to find at end of this

Telescope: C8

line.

Magnification: 40mm = 51x

50m  
21.66



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

Object name: SAD 46574 Her

Time/Date: 10:58 pm 9/24/16

Observing Site: DAV

Magnitude Estimation: "7.3-7.7" (7.6)

Sky: Transparency 7/10 Seeing 6/10

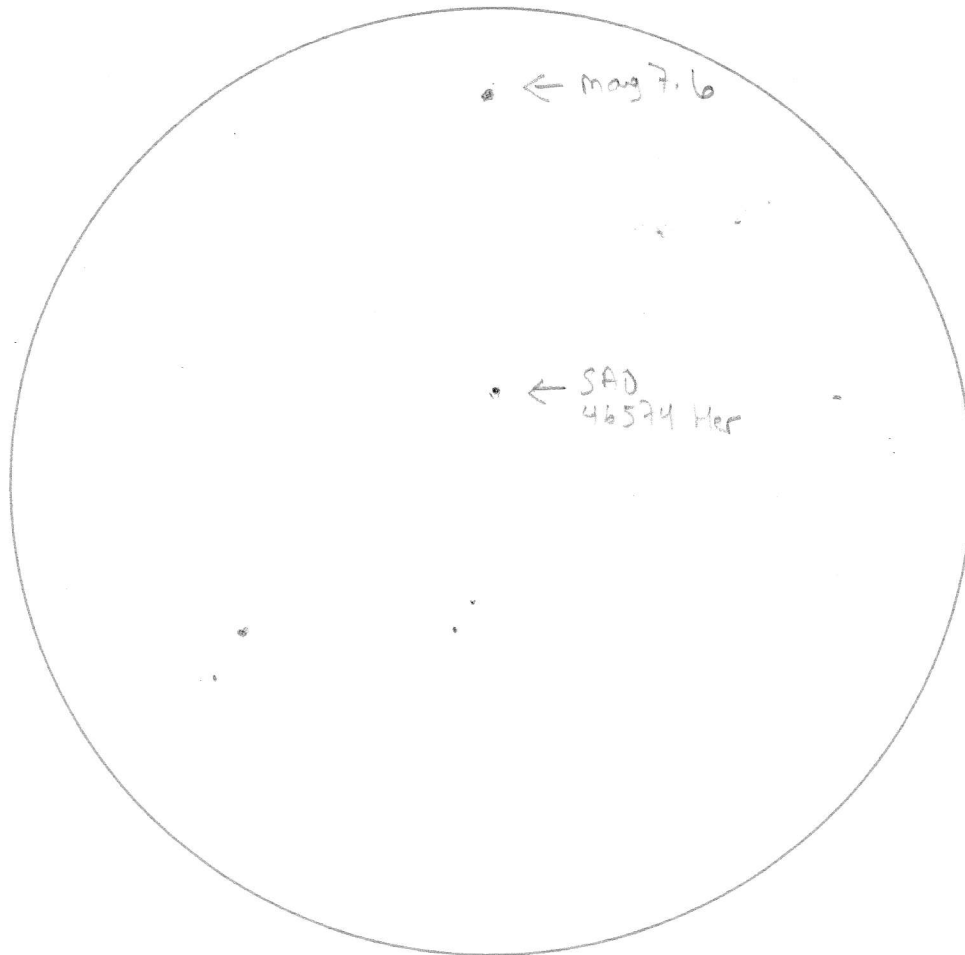
Session notes: MIA - a bit humid

Telescope: C8 40 mm

Magnification: 51x

Detailed description & sketch with 5 field stars,

if possible: Not much color, but  
a bit <sup>amber?</sup> yellowish. Near two  
pairs of stars (1 closer pair,  
1 wider.) Similar in  
brightness to a bright star  
at the edge of the field.



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: TW Ophiuchi

Magnitude Range & Estimation: "7.0-9.0" (25)

Time/Date: 6/27/17 11:59pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pretty golden cream color.

Seeing / Transparency: 6/10 5/10

Not many stars in the

Sky & Session Notes: Patchy thin clouds nearby, cool for June (21c) 50m 21.66

immediate field @ 51x.

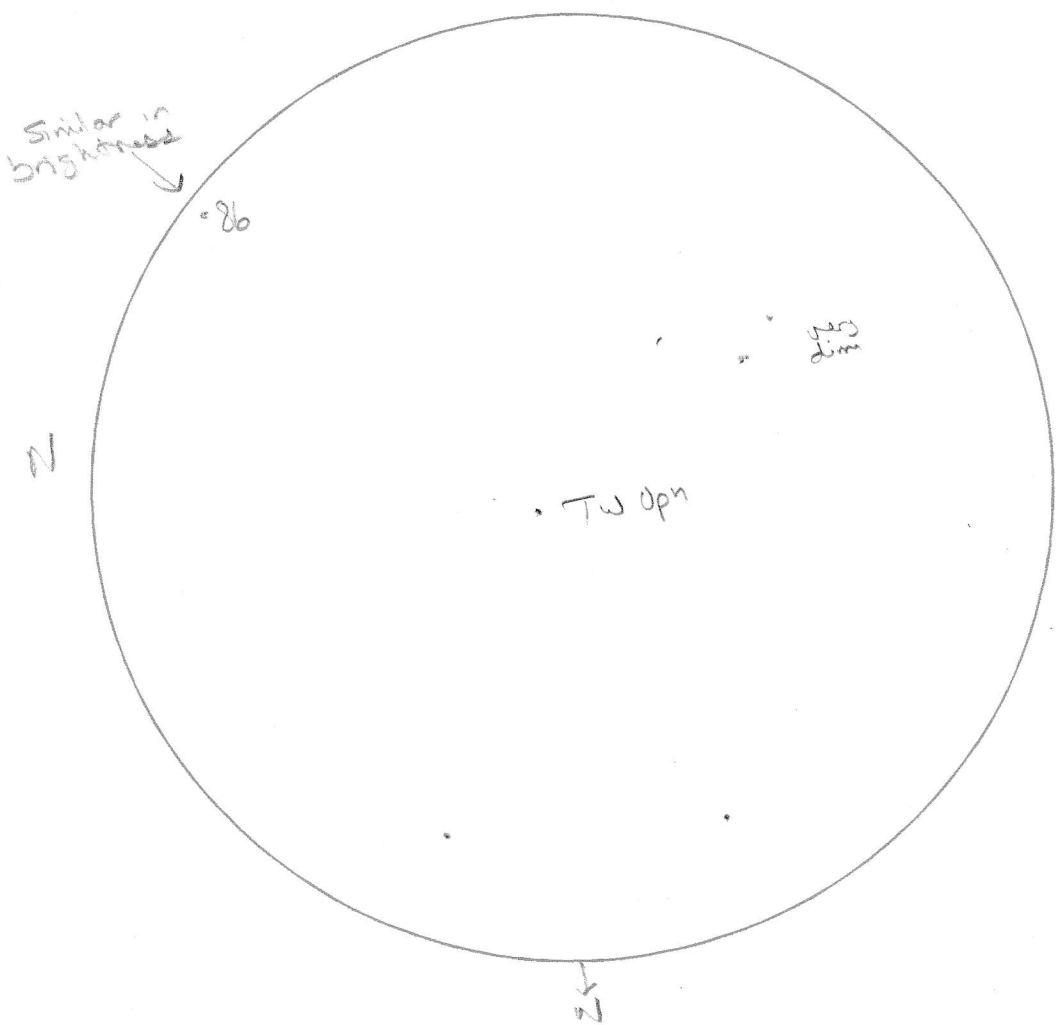
Similar in brightness to

Telescope: C8 + 40mm

a star @ NE edge of field,

Magnification: 51x

possibly even a bit brighter.



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: SZ Sagittarii

Magnitude Range & Estimation: "8.2-9.2" (9.0)

Time/Date: 6/27/17 11:37pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Just a bluish of orange (did

Seeing / Transparency: 6/10 5/10

not appear to be dark orange

Sky & Session Notes: Patchy thin clouds,

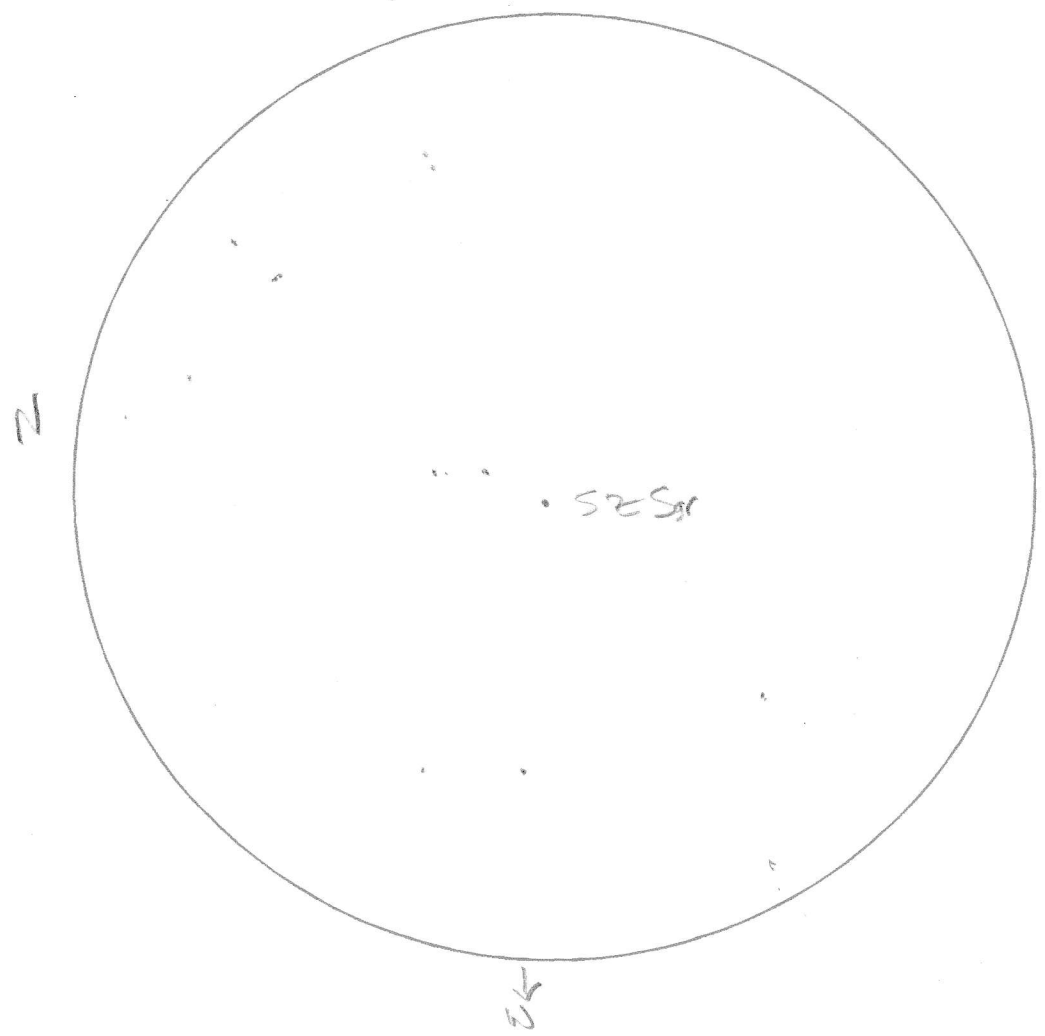
to me) Maybe a tinge of red.

cool for June (21°C) 50m 21.66

About 5° NE of Saturn tonight!

Telescope: L8 = 40mm

Magnification: 5x



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: T Draconis

Magnitude Range & Estimation: "7.2-13.5" (11-11.5)?

Time/Date: 6/28/17 1:25am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

This was very difficult  
as the star was quite dim,

Seeing / Transparency: 6/10 6/10

almost brown-grey. Would like  
to view again when it's at its

Sky & Session Notes: clearing, mild,  
very still 5am 21.6

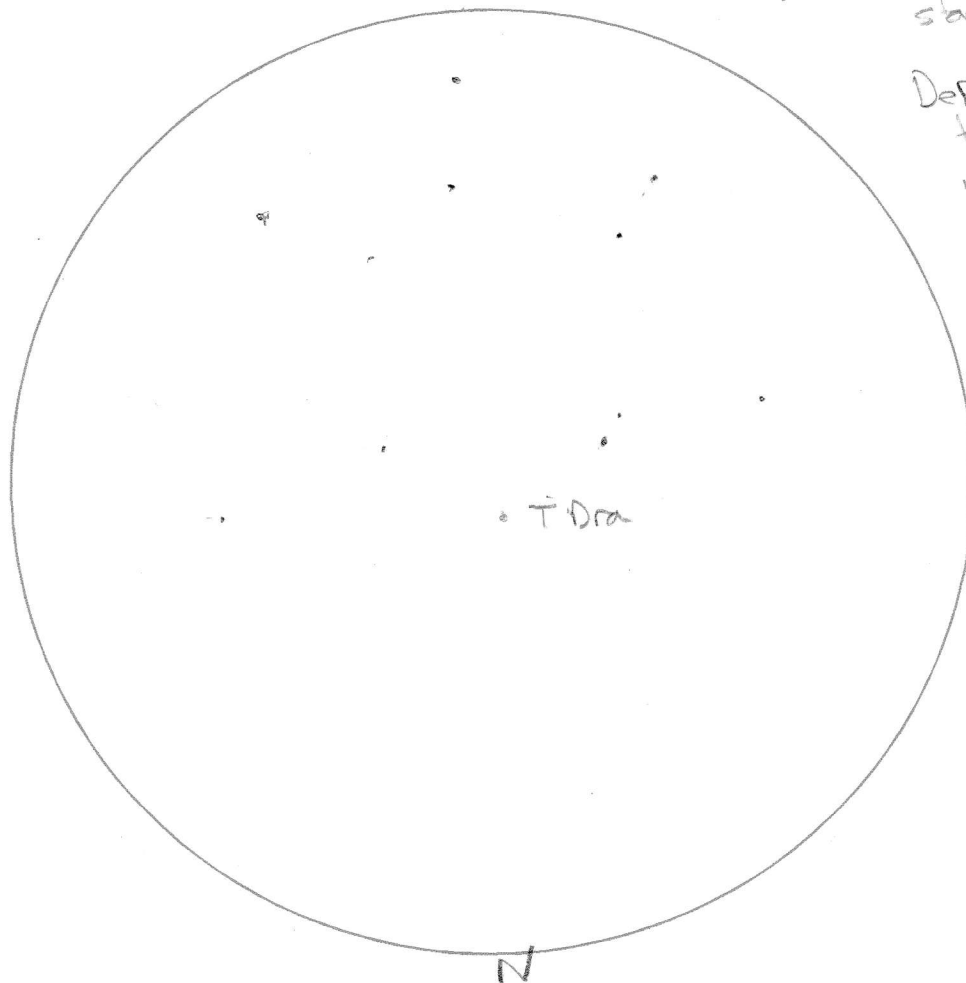
brighter end of its magnitude

Telescope: C8 + 32mm

range. This is the 3<sup>rd</sup> time

Magnification: 63.5x

I've attempted to see the  
star



Definitely dimmer  
than 10.5, because  
not visible at all in  
15x70 binocs.

# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: FO Serpentis

Magnitude Range & Estimation: "8.5-8.7" (8.6)

Time/Date: 6/28/17 12:20am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Pale, pale peachy cream, but

Seeing / Transparency: 6/10 6/10

has that piercing look of a carbon

Sky & Session Notes: Sky clearing a bit,  
cool for June (21°C). SW 21.66

star despite its whiteness.

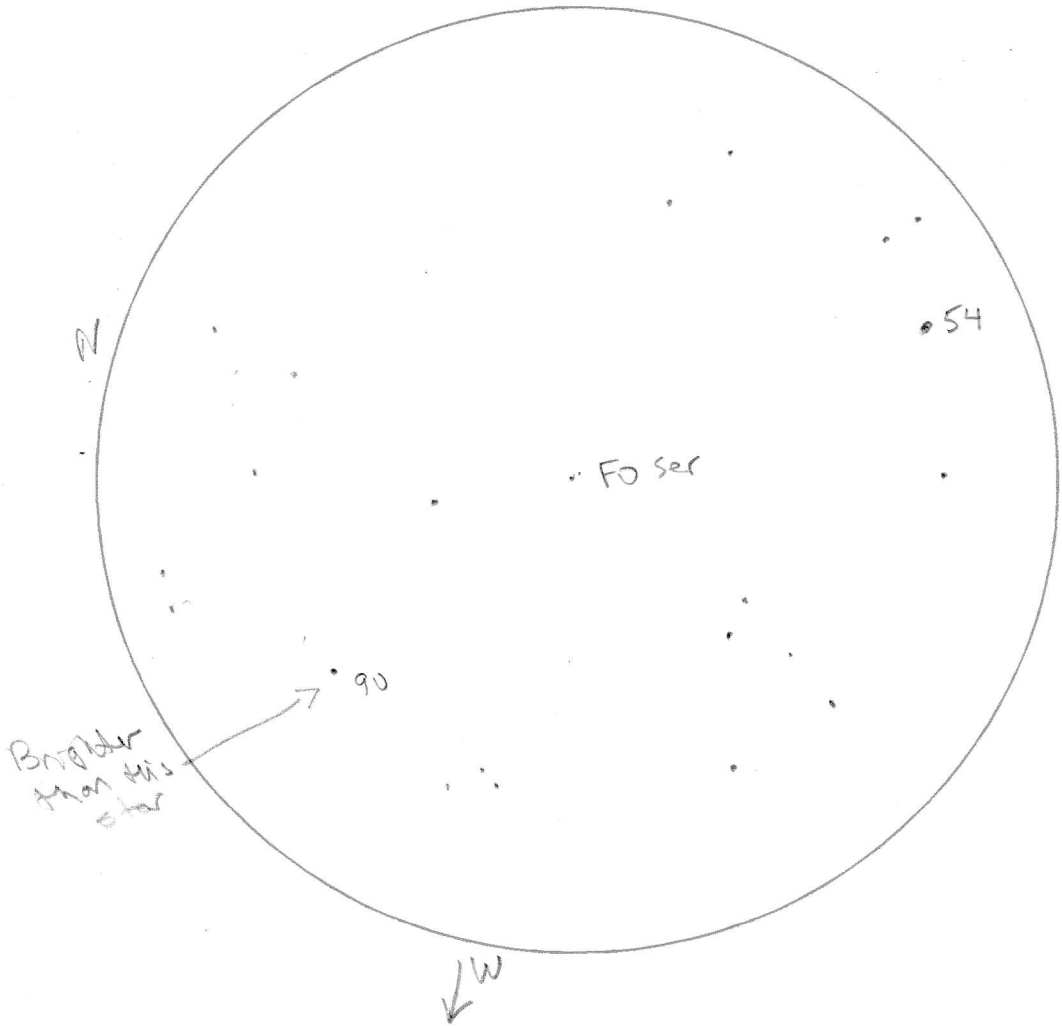
Telescope: C8 + 40mm

Pretty field, more stars

Magnification: 51x

visible than I have

sketched below.



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

Object name: AC Merc

Time/Date: 11:23 pm 9/29/16

Observing Site: DAV

Magnitude Estimation: "6.9-9.0" (7.5)

Sky: Transparency 7/10 Seeing 6/10

Session notes: mild + a bit humid

Telescope: C8 + 40mm

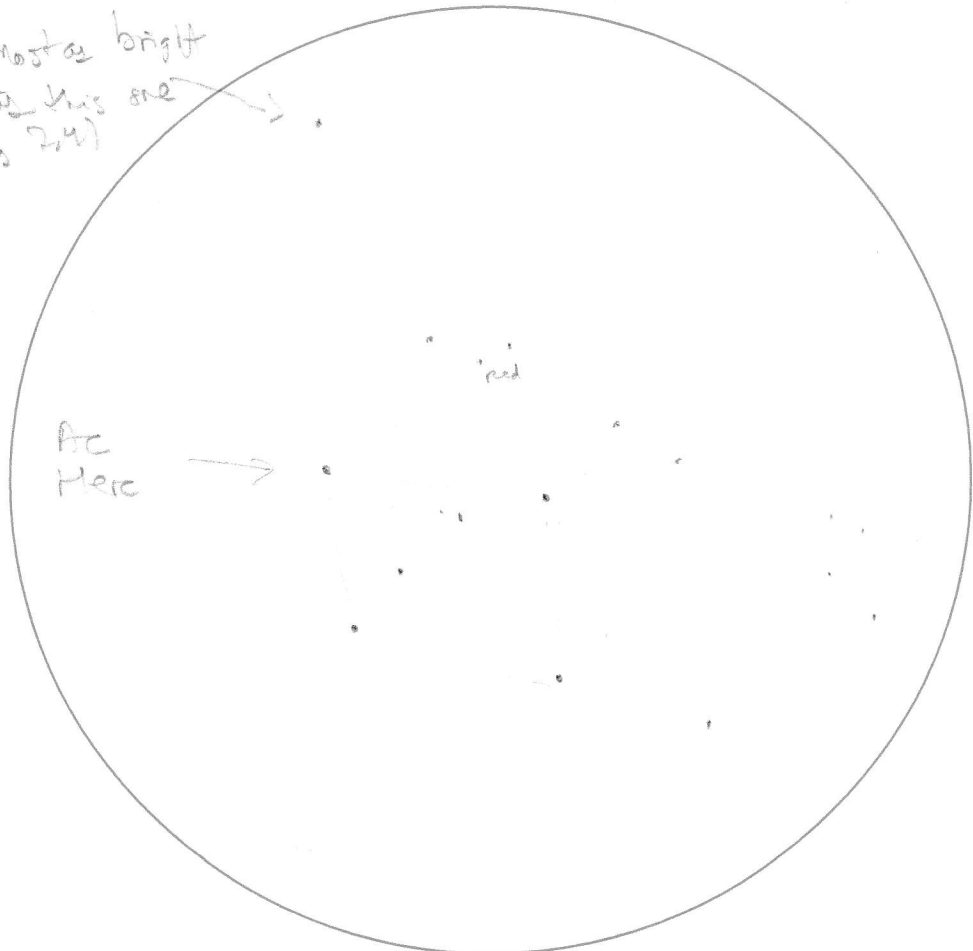
Magnification: 51x

Detailed description & sketch with 5 field stars,

if possible: Only a hint of pale yellow.

Makes a slanted parallelogram  
w/ 3 other bright stars. One  
very dim dark red star can  
be found above it.

Almost as bright  
as this one  
(mag 2.4)





# CARBON STAR OBSERVATION LOG

Object name: T Lyr

Time/Date: 11:50pm 9/24/16

Observing Site: DAJ

Magnitude Estimation: "7.5-9.3" 8.3?

Sky: Transparency 7/10 Seeing 6/10

Session notes: mild + a bit humid

Telescope: C8 + 32mm

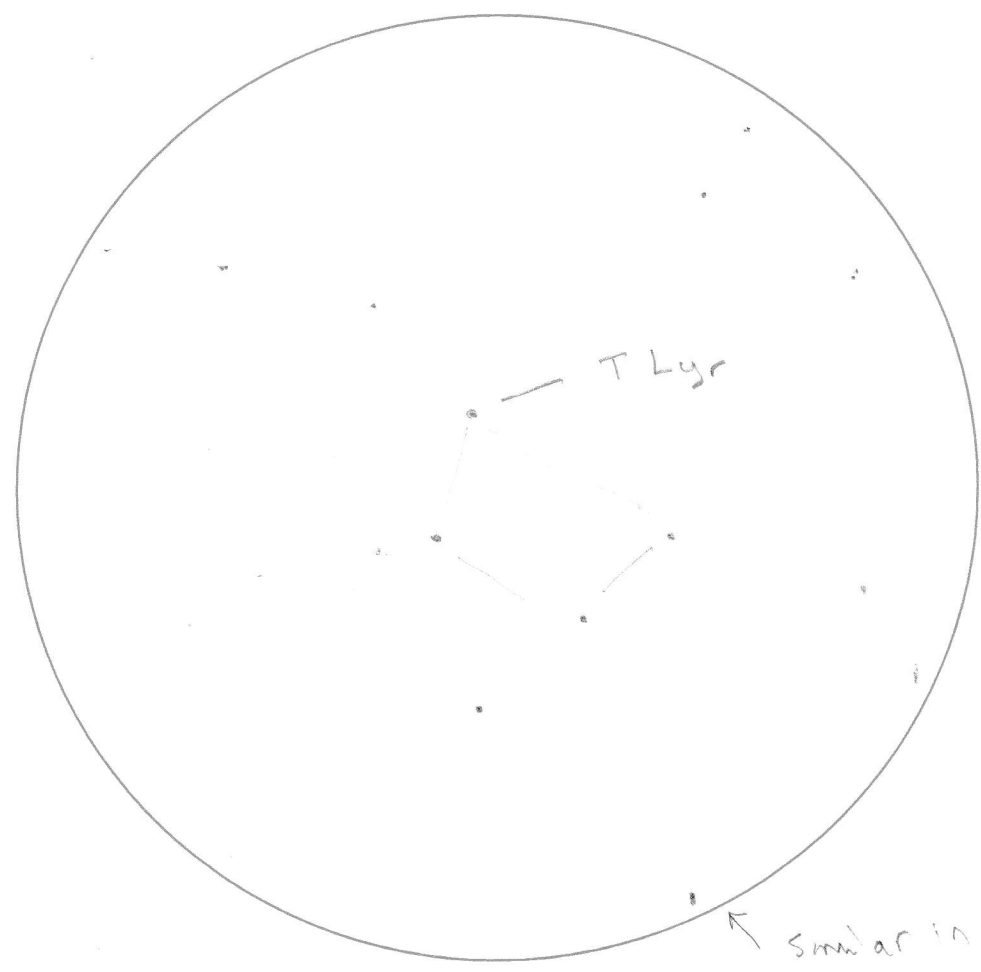
Magnification: 64x

Detailed description & sketch with 5 field stars,

if possible: About 2° from Vega!

A gorgeous ruby red; really  
stands out in the field.

Makes a bowl shape with  
three other stars.

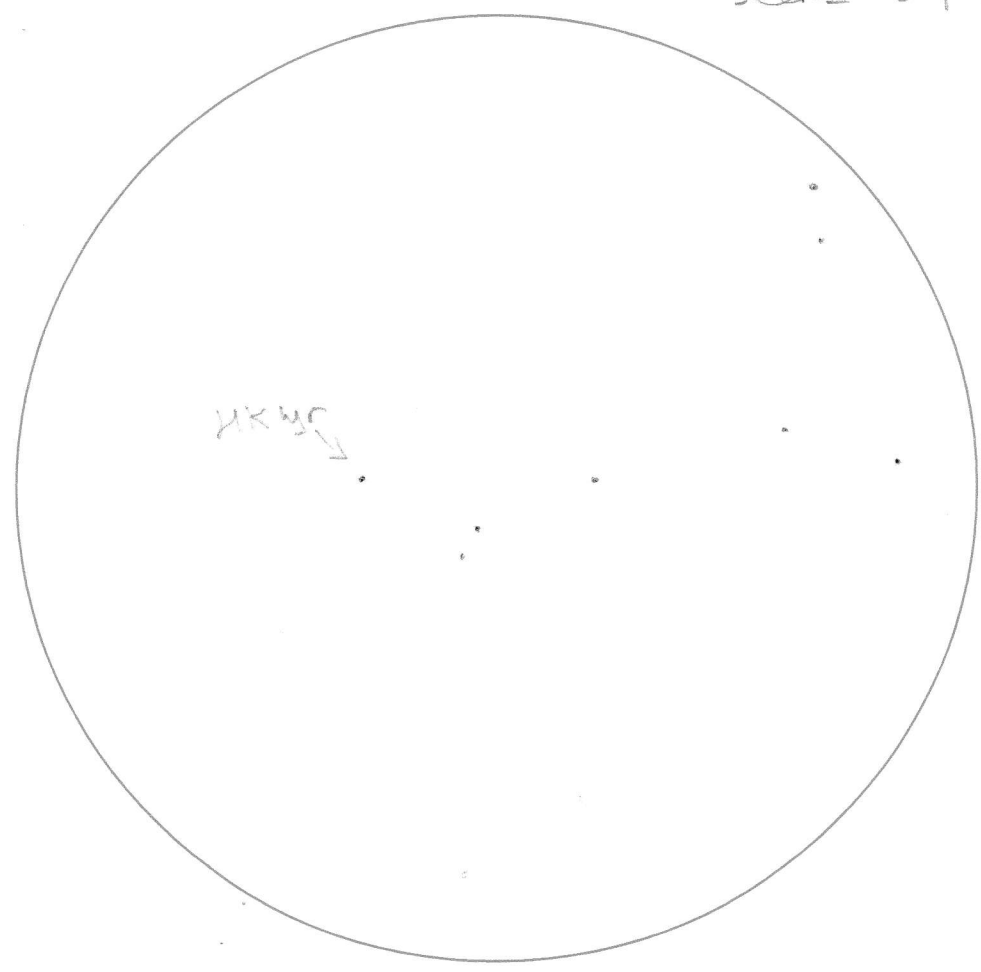


↑ similar in brightness to this one, mag 8.1 (maybe a bit dimmer)

### CARBON STAR OBSERVATION LOG

Object name: HK Lyr  
 Time/Date: 12:11 am 9/25/11  
 Observing Site: DAV  
 Magnitude Estimation: "7.8-9.6" 7.7?  
 Sky: Transparency 7/10 Seeing 6/10  
 Session notes: Mild + a bit humid  
 Telescope: C8 = 32mm  
 Magnification: 64x

Detailed description & sketch with 5 field stars,  
 if possible: About 2° up from TLyr.  
Makes a flattened triangle  
w/ 2 other bright stars.  
A fourth star makes a nose shape, so  
it looks like a face.  
Field somewhat empty.  
HK Lyr is brighter than most of  
the nearby stars, so hard to estimate.  
Seems brighter than 7.8, though.



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: S Scuti

Magnitude Range & Estimation: "6.3-9" (7.1)

Time/Date: 9/29/16 11:15pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A bright, beautiful color of orange sherbert. Looks

Seeing / Transparency: 4/10 4/10

Sky & Session Notes: No moon  
very cloudy w/

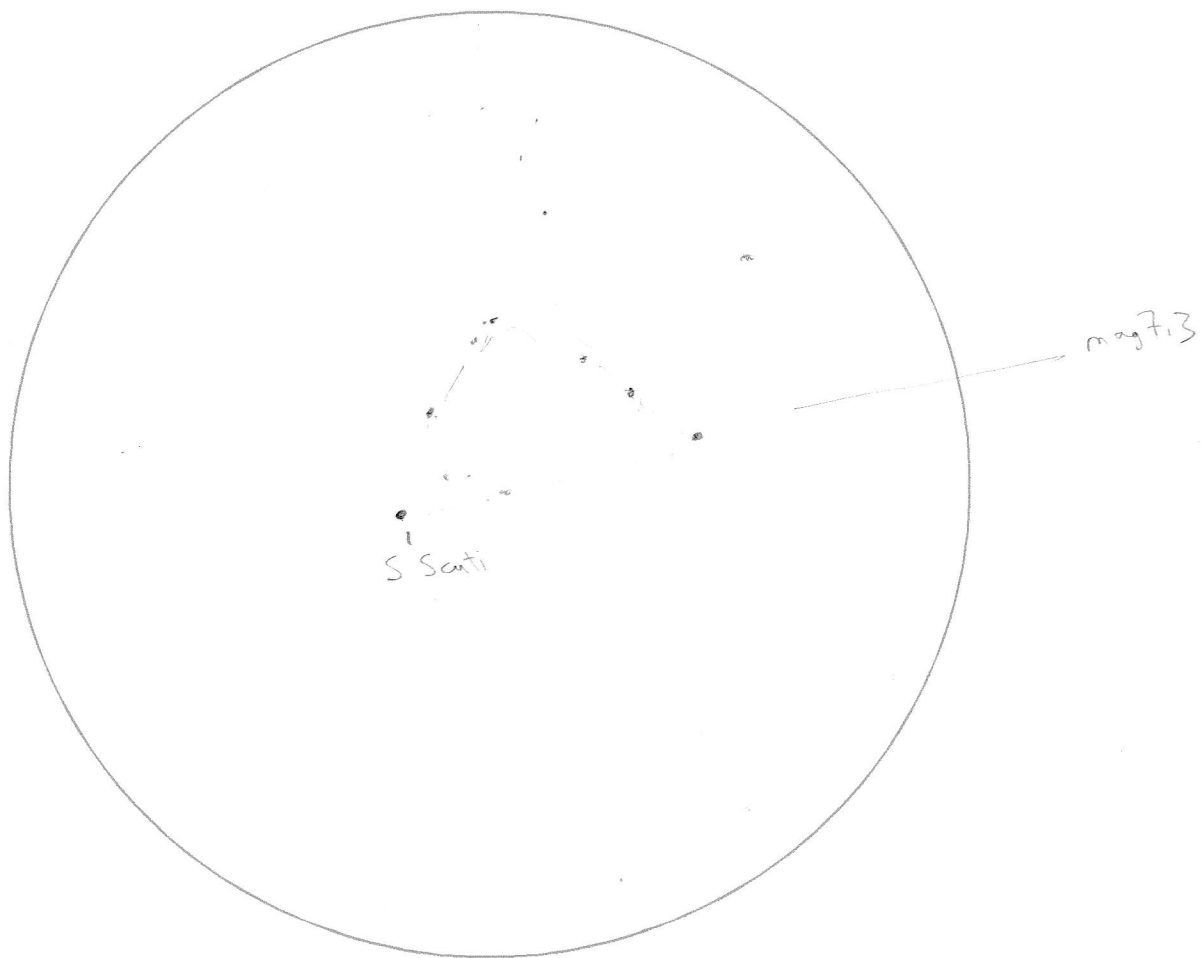
In a nice arrangement of  
stars in the outline of a tent.

mottled thin clouds. Challenging!

Telescope: L8 + 32mm

S Scuti appears to be a double,  
but I can't split it

Magnification: 64x





# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: V Aql

Magnitude Range & Estimation: "6.6-8.4" (7.0)

Time/Date: 9/29/16 11:45pm

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

In the same field w/ i Aql.

Seeing / Transparency: 4/10 4/10

Makes a pretty arc w/ 4 other stars

Sky & Session Notes: No moon  
mottled thin

w/ water at the west end. Another

cloud - a challenging night

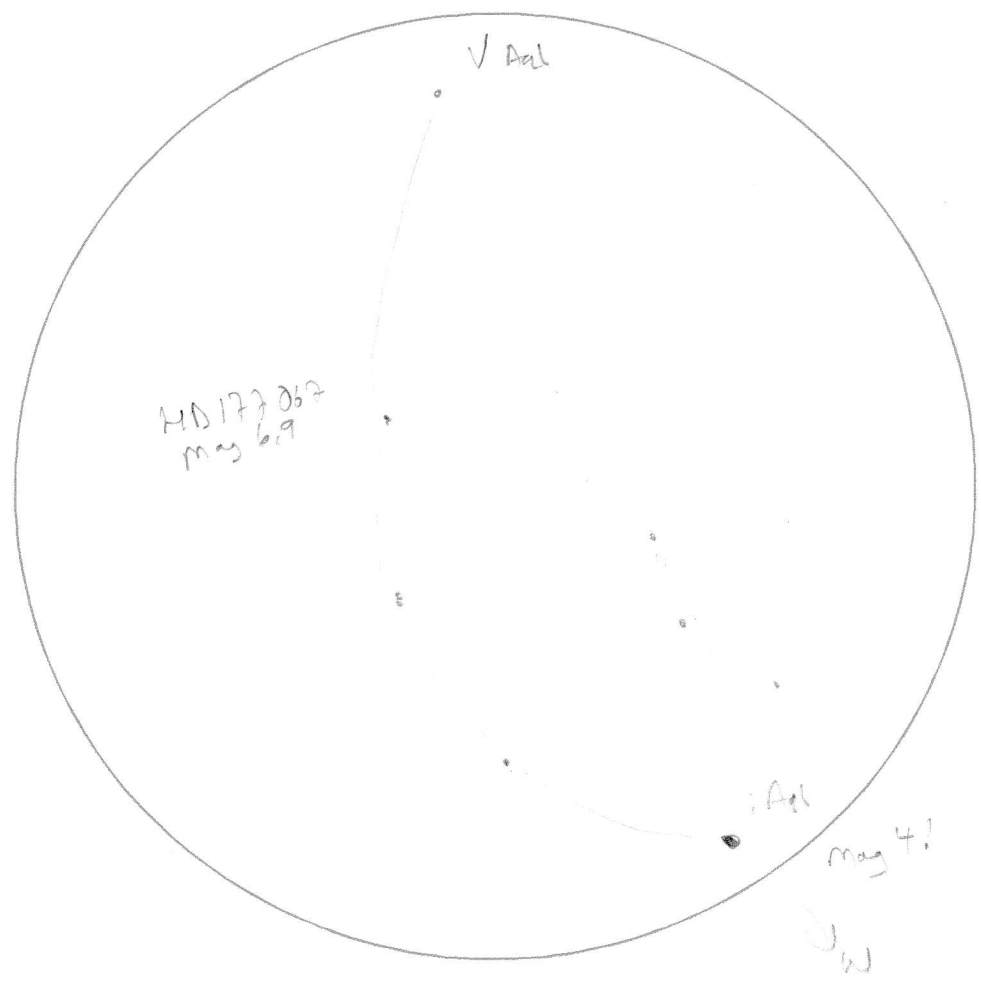
arc of 3 stars echoes to the

Telescope: C8 + 38mm SWA

inside. Similar in brightness

Magnification: 54x

Similar in mag to nearby 6.9 mag star in  
the arc



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: V 1942 Sagittari;

Magnitude Range & Estimation: "6.7-7.0" (6.9)

Time/Date: 6/27/17 12:40am

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

A bright star, with a flush

Seeing / Transparency: 6/10 6/10

of light orange. Makes

Sky & Session Notes: Sky clearing

a right angle with two

cool for June (20°C) 50m 21.6

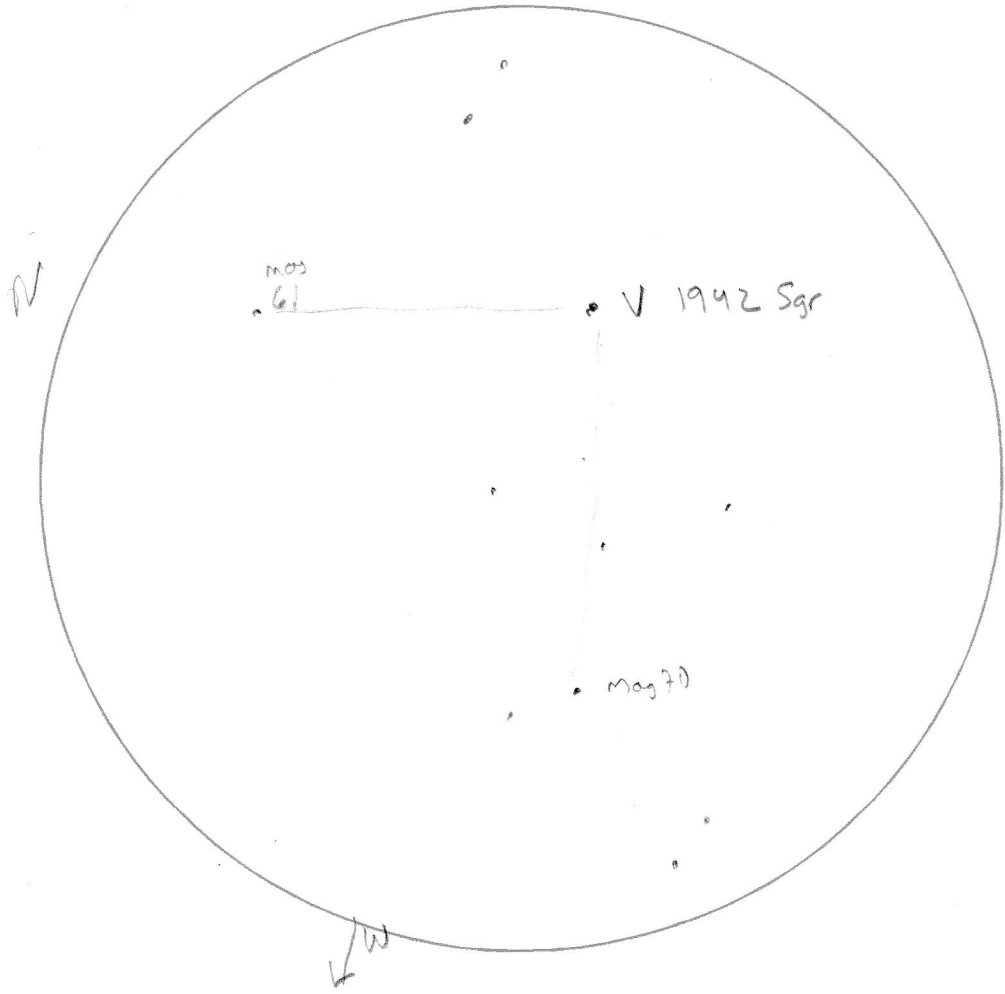
other bright field stars (mag

Telescope: C8 +40mm

6.7), closer in brightness

Magnification: 51x

to the mag 7 star.



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

SQM 21.63  
21°C

#73

## CARBON STAR OBSERVATION LOG

Object name: u Lyr

Time/Date: 12:30 am 9/25/16

Observing Site: DAN

Magnitude Estimation: "8.3 - 13.5" 11.5?

Sky: Transparency 6/10 Seeing 7/10

Session notes: mild + humid

Telescope: C8 + 32mm

Magnification: 64x

Detailed description & sketch with 5 field stars,

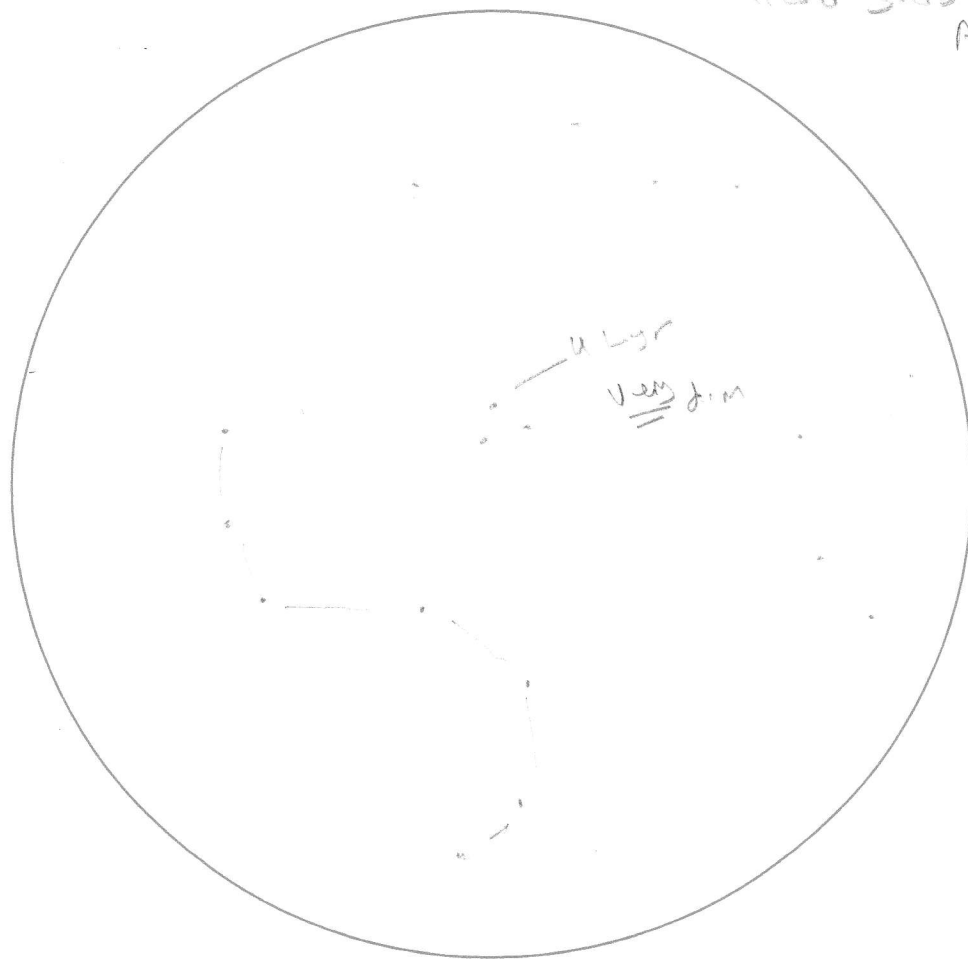
if possible: This was so dim, I really had to work to find it!

First had to find a larger swoosh of nearby stars, then a tiny dim triangle of stars, where it was hiding.

This is a Mira Variable which must be near the dim end of its range (8.3 → 13.5)

Similar in brightness to the other two stars in the  $\Delta$ .

A deep, deep red



# CARBON STAR OBSERVATION LOG

Marie Lott

Object name: Ux Draconis c7(M0)

Magnitude Range & Estimation: "5.9-7.1" (6.2)

Time/Date: 3/6/16 9:15 PM

Description & sketch with 5 field stars, if possible:

Observing Site: DAV

Brightest star in the field.

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

Makes the corner of a boxy dipper

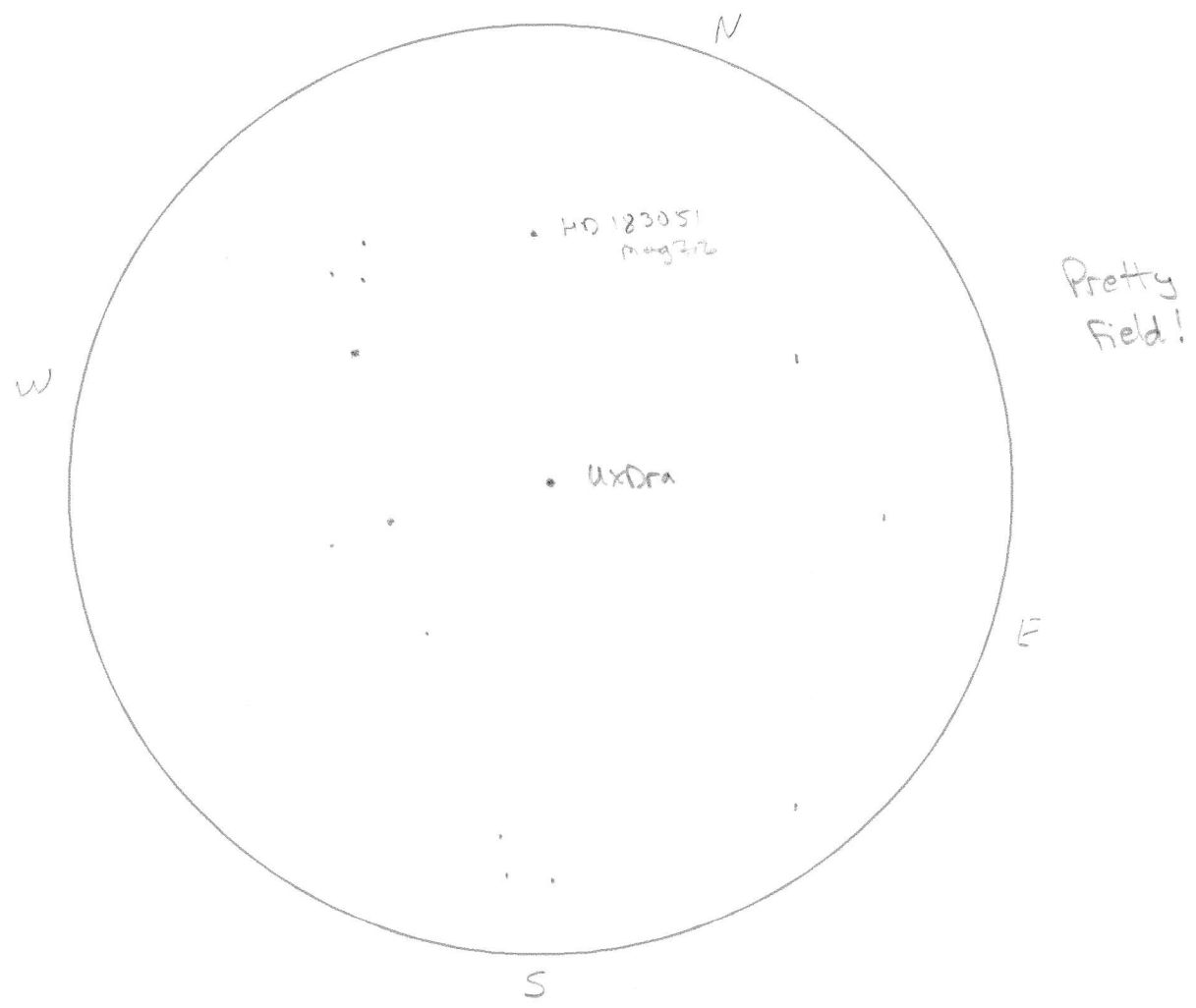
Sky & Session Notes: high haze w/ some  
low thin cloud banks SQM 21.50

on the left edge of a pretty  
Field. Orange & sharp!

No moon!

Telescope: C8 w/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



#75

### CARBON STAR OBSERVATION LOG

Object name: NSV 11960 Aql

Time/Date: 9/30/16 12:20 AM

Observing Site: DAV

Magnitude Estimation: "7.0-7.1" (7)

Sky: Transparency 5/10 Seeing 4/10

Session notes: 50m 21.65 22°C No moon  
color bright! clouds thinning

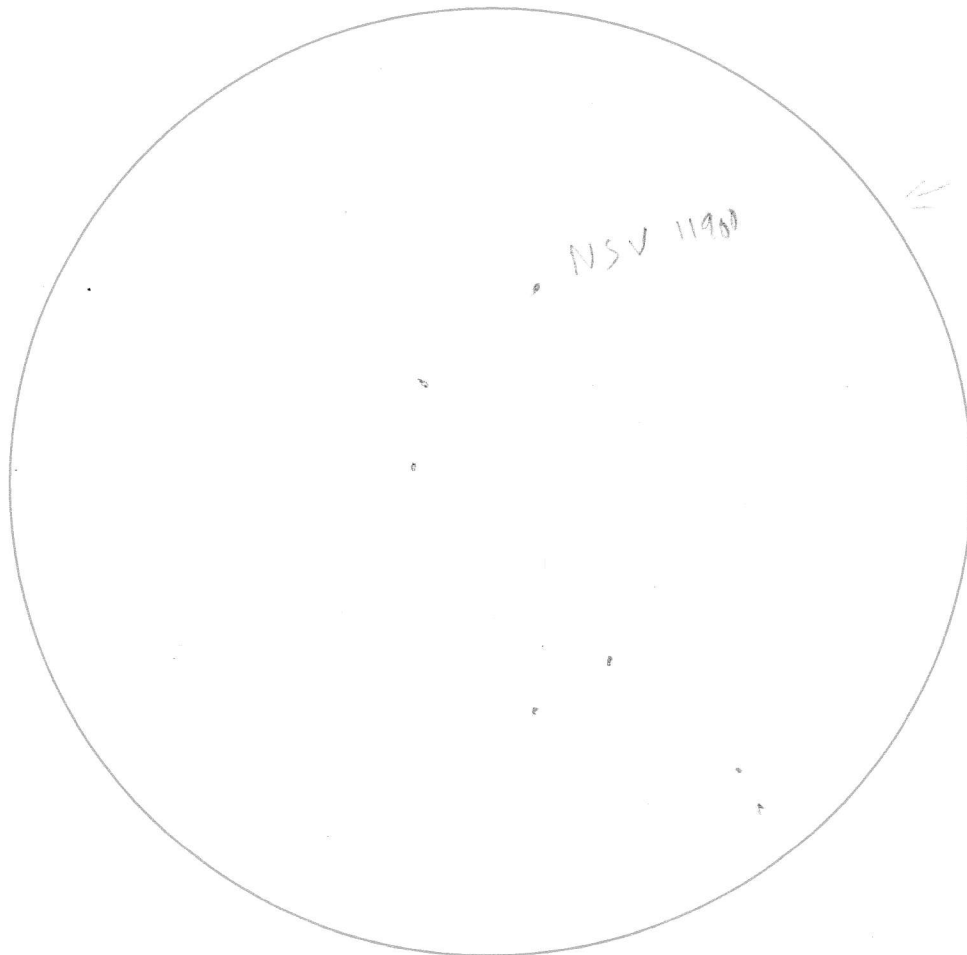
Telescope: CG + 38 mm

Magnification: 54x

Detailed description & sketch with 5 field stars,

if possible: Just SE of the eagle's  
tail. This star has just a touch  
of pale orange to it. Could  
definitely tell the <sup>characteristic</sup> coloration.

Above 3 wide star pairs,  
which were down from it to  
the west.



← Brightest star  
in the field