

# Observing Log

Object type: Open Cluster

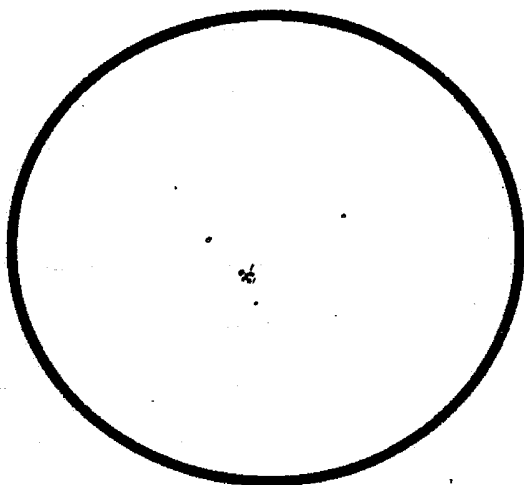
OCOC

Object ID: Tr 7

Const.: Pup

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Young

Date 4/15/17

Time 9:50

Location RMCC

Seeing II Transparency II

Instrument DOB

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 36

- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Clump
- How many stars can you count in the cluster? 6
- Are the stars more concentrated in any one particular area? only in clump
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = I 1p

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Born OCOC  
& PNOG!

Object ID: M47/2438

Const.: \_\_\_\_\_

Observer B. Yant

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 3/24/6

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 9:40 CSF

Location RMCC

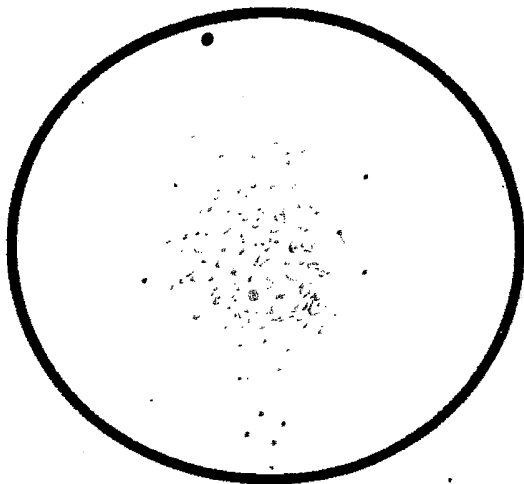
Seeing I Transparency II

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? > 100
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? Yes

NBC 2438 obvious as small round glow on N side

Description Tr = III 19

# Observing Log

Object type: Open Cluster

Object ID: Mel 71

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 3/24/6

Time 9:55 CST

Location RMCC

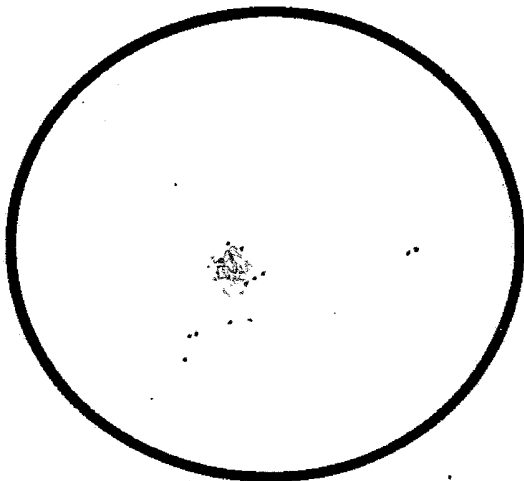
Seeing II Transparency IB

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 15
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Near round glow w/ a few lines of resolved

Tr = II 2p

# Observing Log

Object type: Open Cluster

Object ID: N6c 2439

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yount

Date 3/24/6

Time 9:20 C15

Location RMCC

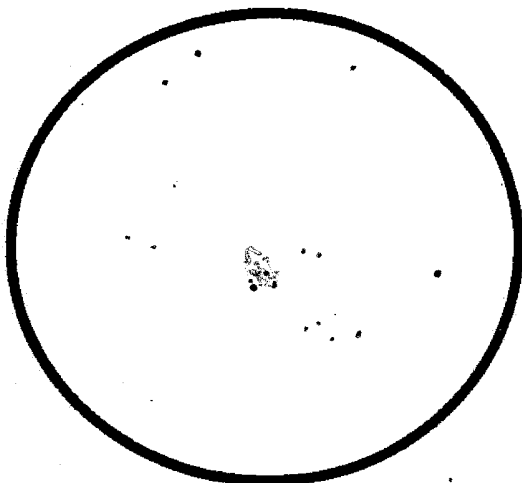
Seeing II Transparency II

Instrument X512

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? D
- How many stars can you count in the cluster? 10
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, no
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = I 3p

# Observing Log

Object type: Open Cluster

BOTH OCOC  
AND PNOc!

Object ID: Ngc 2453/2452

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yona

Date 3/24/6

Time 9:10 CST

Location RMCC

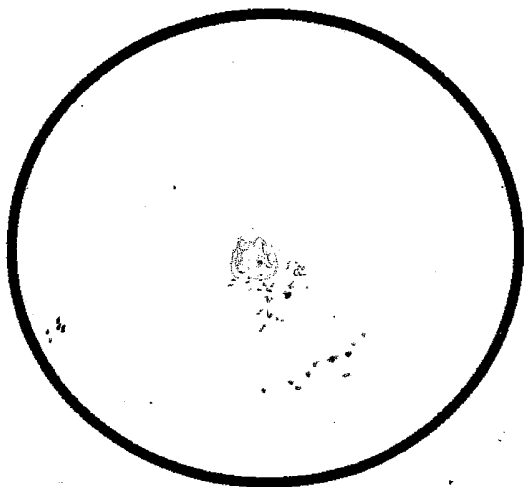
Seeing II Transparency II

Instrument XST 12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? A little "T" shape
- How many stars can you count in the cluster? 35-40
- Are the stars more concentrated in any one particular area? Yes, nearer to PN
- Is this cluster resolved fully or is there some background nebulosity noticed? along with PN
- Is there any particular area where you notice an absence of stars in this cluster? N side has a "notch"
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? NGC 2452 is

Description Tr = II 2p

a large oval PN w/  
1 preme CS easily  
seen

# Observing Log

Object type: Open Cluster

OCOC

Object ID: Tr 9

Const.: Pup

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yane

Date 4/15/7

Time 9:30

Location RMCC

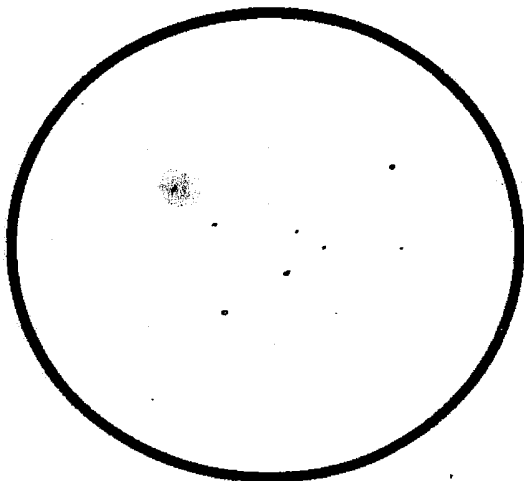
Seeing II Transparency II

Instrument DOB

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? "Bees" around star
- How many stars can you count in the cluster? Only 1
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some mostly background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes (9m), no
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr 2 I 1p

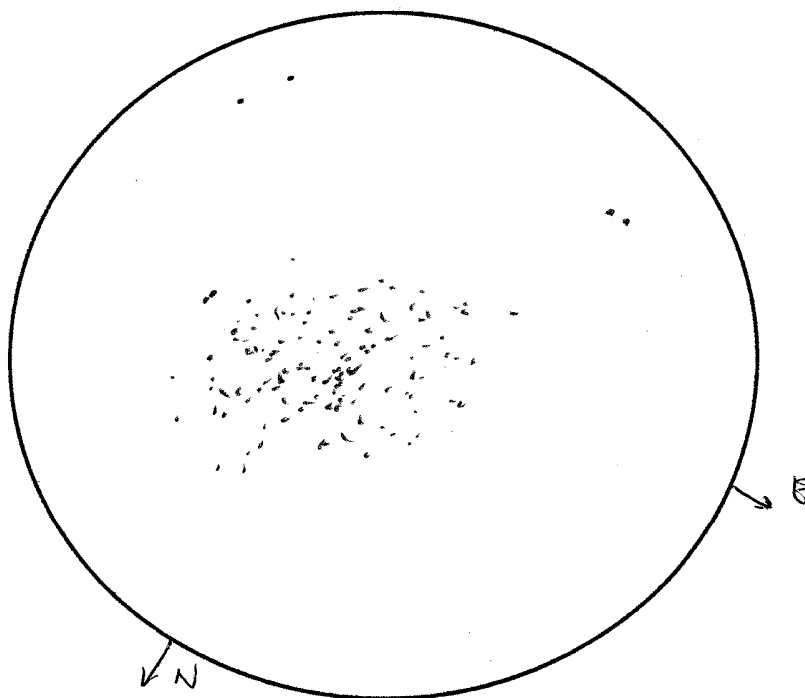
DATE 3/25/6 TIME 9:55 CDT CLARITY I II III IV V SEEING II III IV V

INSTRUMENT ETX-125 50 x 800 mm RR 10x50 EYE XT12

POWER 10 47 73 153 190 316 475 20 30 64 80 133 200 32

OBJECT M48 FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOCATION RMCC HOME



Wonderful lines over > 100 stars, especially  
"river" of ~20 near center with a small  
gap to the east of it Tr 2 III 2 r

# Observing Log

Object type: Open Cluster

Object ID: M44

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 12/30/05

Time 10:30 CST

Location RMCC

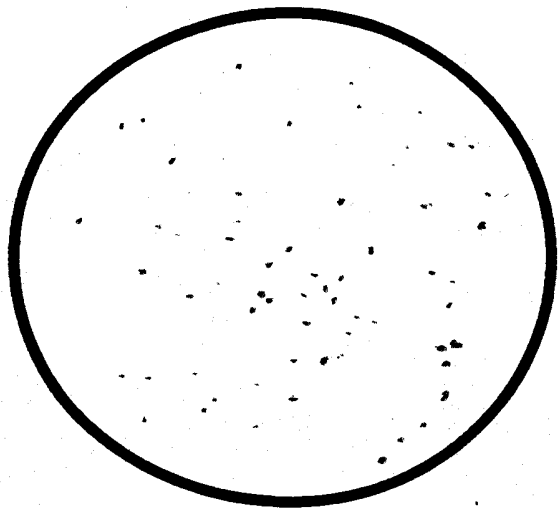
Seeing 4 Transparency 4-

Instrument XT12

Size 304mm

Eyepiece 40mm

Field of view \_\_\_\_\_ Power 32x



Can this cluster be easily distinguished from the background stars? 1+13 the field

- What is the overall shape of the object? Scattered
- How many stars can you count in the cluster? 105 in one field
- Are the stars more concentrated in any one particular area? some clumps
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yellow
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 1m



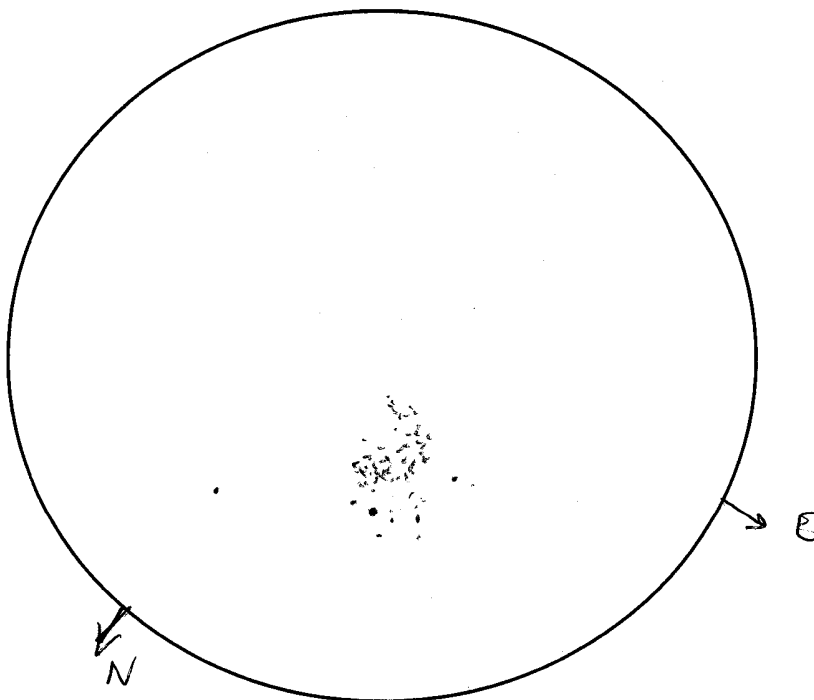
DATE 3/25/16 TIME 01:10 CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 50 x 800 mm RR 10x50 EYE HT-12

POWER 10 47 73 153 316 475 20 30 64 80 133 200 38

OBJECT M67 FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOCATION RMCC HOME



Mostly resolved - a few yellow/orange

stars noticed. Sweeping curve to SW

makes this "cup shaped" view

$Tr = \text{II } 2m$

# Observing Log

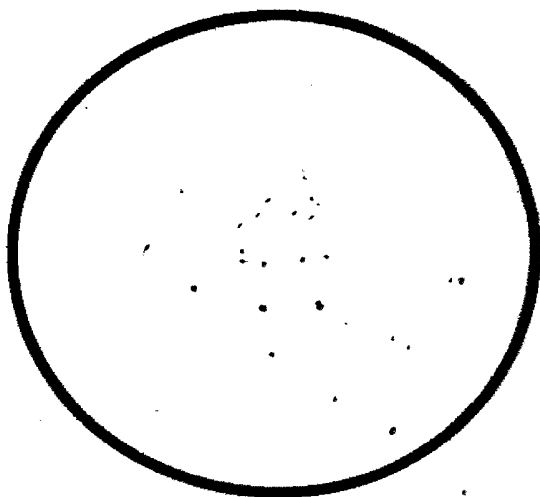
Object type: Open Cluster

Object ID: 0027

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Young

Date 9/18/16

Time 9:55 CDT

Location LANE 4

Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38

- Can this cluster be easily distinguished from the background stars? just
- What is the overall shape of the object? huge
- How many stars can you count in the cluster? 25
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? ~ ~
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 2p

# Observing Log

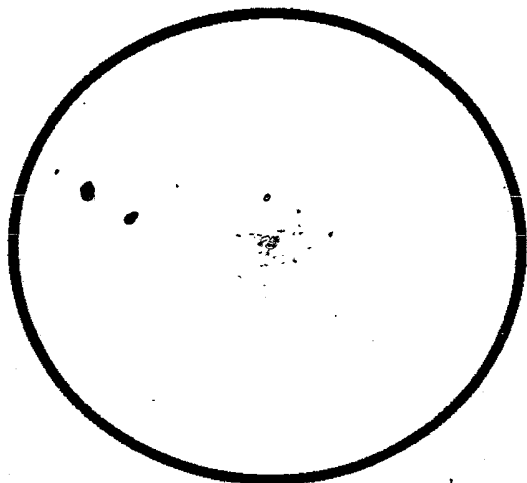
Object type: Open Cluster

Object ID: Tr 26

Const.: OPH

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Yand

Date 6/18/6

Time 10:45 CDT

Location RMCC

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36

- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? X
- How many stars can you count in the cluster? ~20
- Are the stars more concentrated in any one particular area? Strong on E side
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = I 1 p

# Observing Log

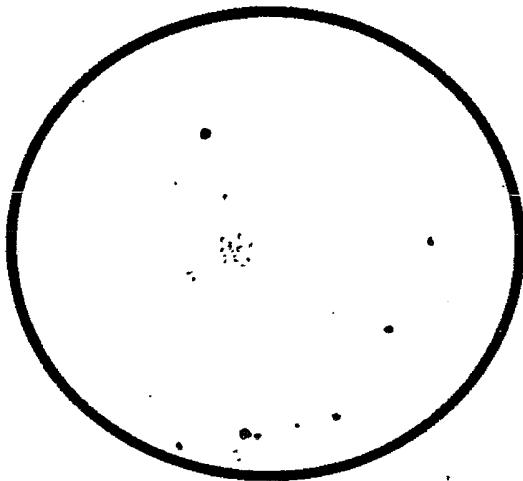
Object type: Open Cluster

Object ID: Cr 333

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Young

Date 6/18/16

Time 11:00

Location MCC

Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36

- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Chump
- How many stars can you count in the cluster? 12
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Revised 6383 on way - 10 m line, 6 hrs  
Tr = II 1p

# Observing Log

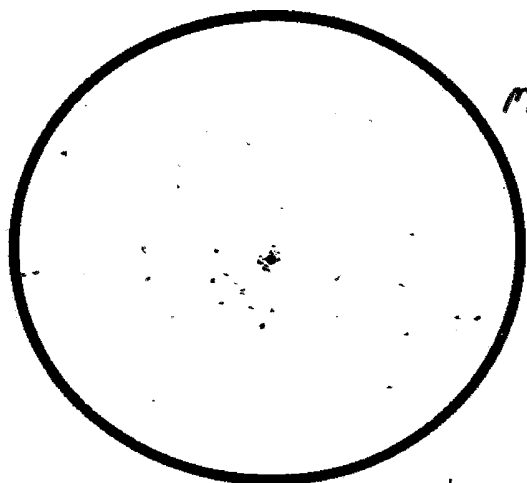
Object type: Open Cluster

Object ID: NGC 6383Const.: ScObserver B. Young

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 7/22/6

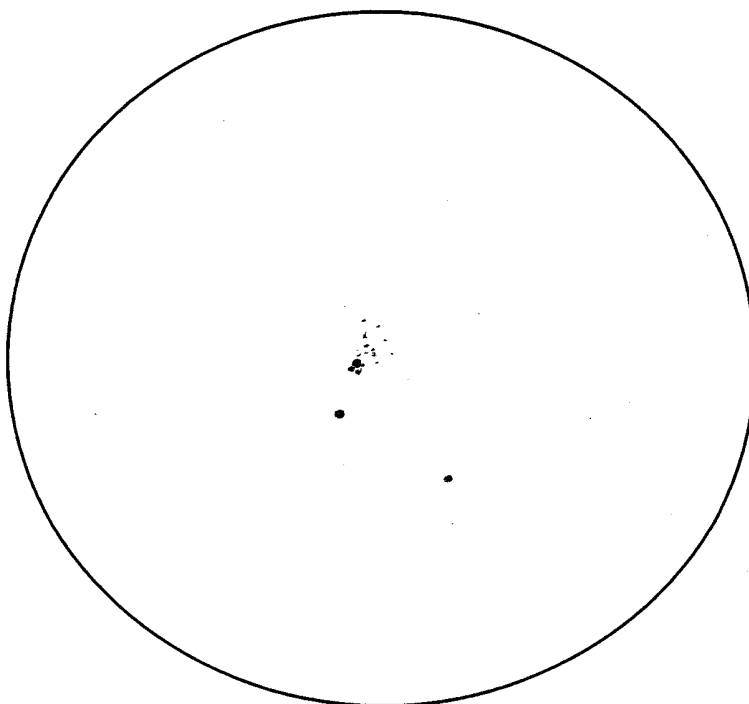
Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 9:50 CDTLocation MCCSeeing III Transparency I-Instrument XT 12Size 12Eyepiece 40Field of view \_\_\_\_\_ Power 37

- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Bees
- How many stars can you count in the cluster? 11
- Are the stars more concentrated in any one particular area? Around Sm
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, Y-W
- Are there any other deep-sky objects in the same field of view? If so, what? M6 just E

Description Tr = I 3<sub>f</sub>

DATE 6/18/6 TIME 11:15 CST ☒ CDT CLARITY ☒ I II III IV V SEEING ☒ I II III IV V  
INSTRUMENT ☒ XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
POWER ☒ 38 60 121 150 250 375 10 47 73 153 316 475 \_\_\_\_\_  
OBJECT Tr 27 FILTER ☒ NO NB WB OIII \_\_\_\_\_  
OBS. PROGRAM OCOC LOC. ☒ RMCC RANCH HOME \_\_\_\_\_



3 bright & several faint at lyers to E.

Tr = I 3 p

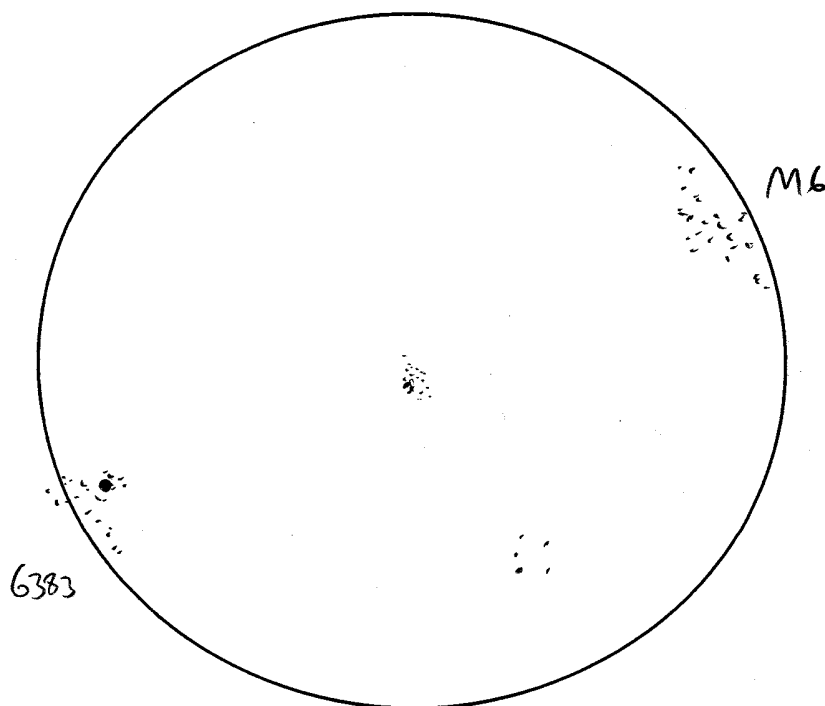
DATE 6/13/6 TIME 11:20 CST CDT CLARITY (I) II III IV V SEEING (I) II III IV V

INSTRUMENT (XT-12) ETX-125 50 x 800 mm RR 10x50 EYE

POWER (38) 60 121 150 250 375 10 47 73 153 316 475

OBJECT Tr 28 FILTER (NO) NB WB OIII

OBS. PROGRAM OcOc LOC. (RMCC) RANCH HOME



DV = 3 stars but AV gives you 15 more + myself  
haze on E. Cool field! Tr = I 3p

OCOC

# Observing Log

Object type: Open Cluster

Object ID: NGC 6416

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 5/29/4

Time 1:00

Location Adams Ranch

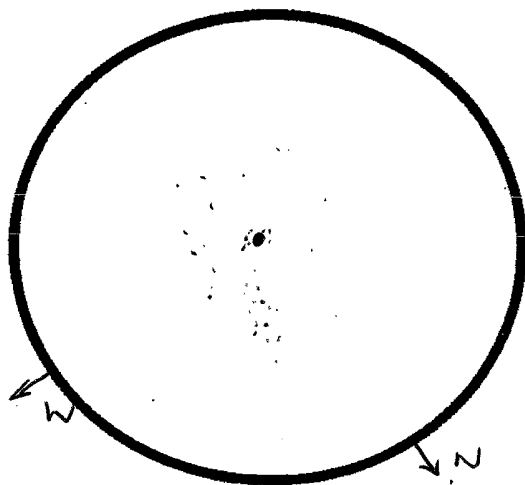
Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36

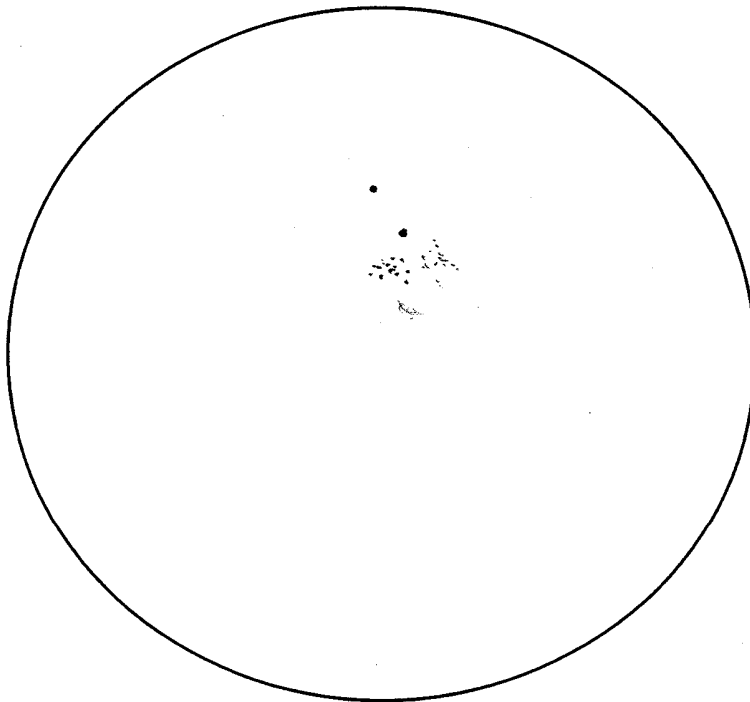


- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? "Bees" around bright star + outliers
- How many stars can you count in the cluster? 18 10 n →
- Are the stars more concentrated in any one particular area? Around bright star
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, blue
- Are there any other deep-sky objects in the same field of view? If so, what? No, M6 nearby

Description Tr = I 3p



DATE 6/18/6 TIME 11:50 CST CDT CLARITY (I) II III IV V SEEING (I) II III IV V  
INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
POWER (38) 60 121 150 250 375 10 47 73 153 316 475  
OBJECT Cr347 FILTER (NO) NB WB OIII  
OBS. PROGRAM Ococ LOC. (RMCO) RANCH HOME



15 m mm change + ~10 to NE. same in res'd haze  
ab. Tr = #3<sub>p</sub>

0 COC

# Observing Log

Object type: Open Cluster

Object ID: IC 4665

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer Bi Yount

Date 5/28/6

Time 12:00

Location RMCC

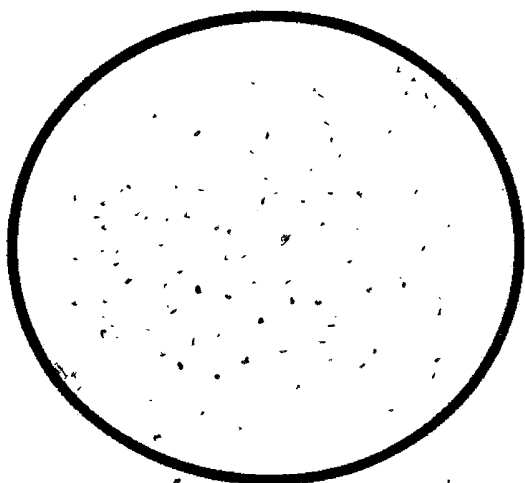
Seeing II- Transparency II

Instrument XLT-12

Size 12

Eyepiece 42

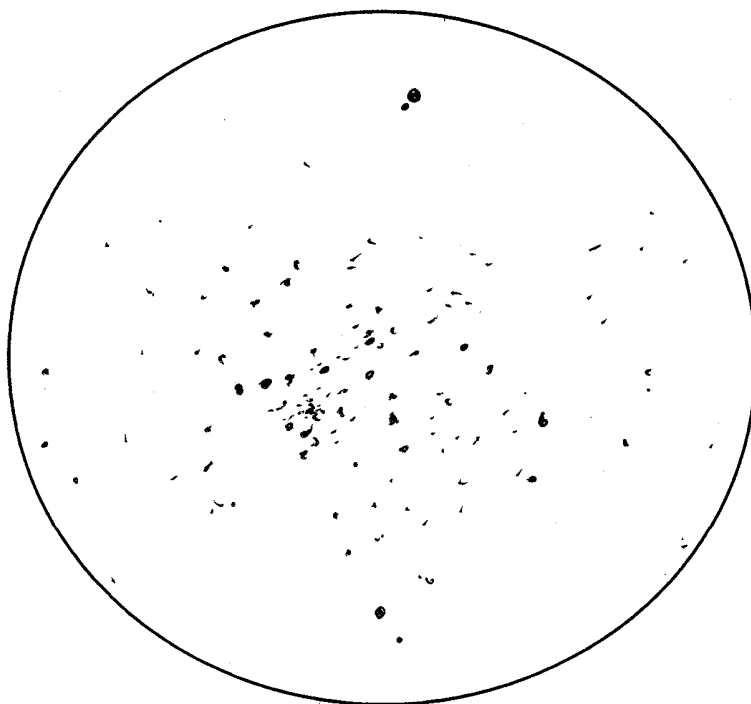
Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? > 1 Ad
- What is the overall shape of the object? Hyge and
- How many stars can you count in the cluster? ~100
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 1 r

DATE 6/18/6 TIME 11:40 CST CDT CLARITY I II III IV V SEEING I II III IV V  
INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
POWER 38 60 121 150 250 375 10 47 73 153 316 475  
OBJECT M7 FILTER NO NB WB OIII  
OBS. PROGRAM OcOc LOC. RMCC RANCH HOME



$T_r = III 2_r$

No words could describe!

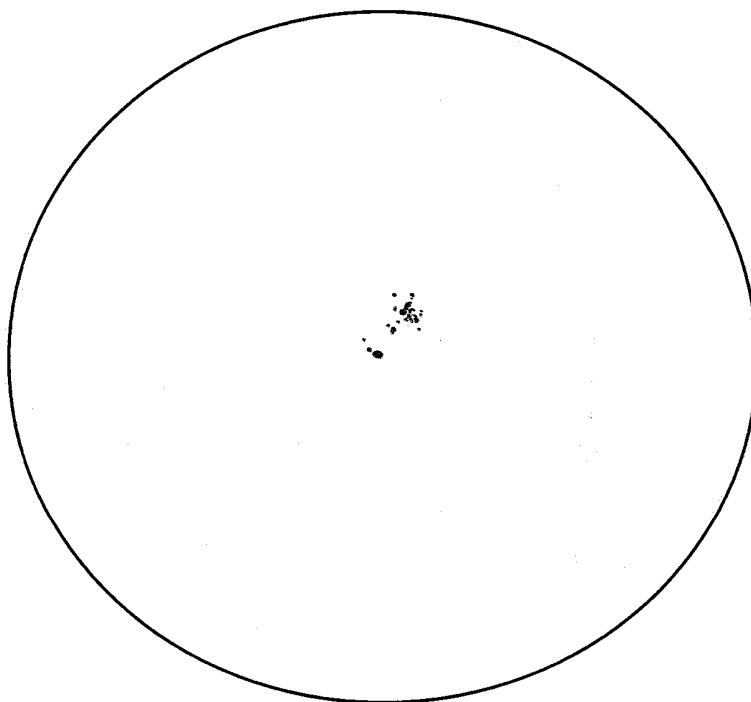
DATE 6/19/6 TIME 12:10 CST DD CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER 38 60 121 150 250 375 10 47 73 153 316 475

OBJECT NbC 6520 FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOC. RMCC RANCH HOME



M resolved + glow in a wonderful field

Tr = I2p

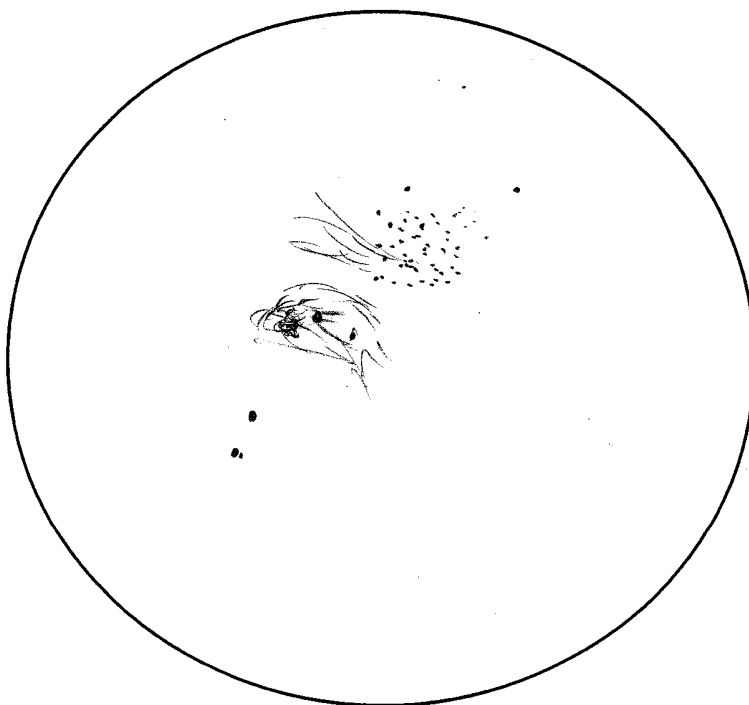
DATE 6/19/6 TIME 12:00 CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER 38 60 121 150 250 375 10 47 73 153 316 475

OBJECT M46 6530 (6523) FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOC. RMCS RANCH HOME



30 stars + (of course) nebulosity! Tr = II 1p

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# Observing Log

Object type: Open Cluster

Object ID: 0002 9

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/16

Time 12:30 CDT

Location AmNH

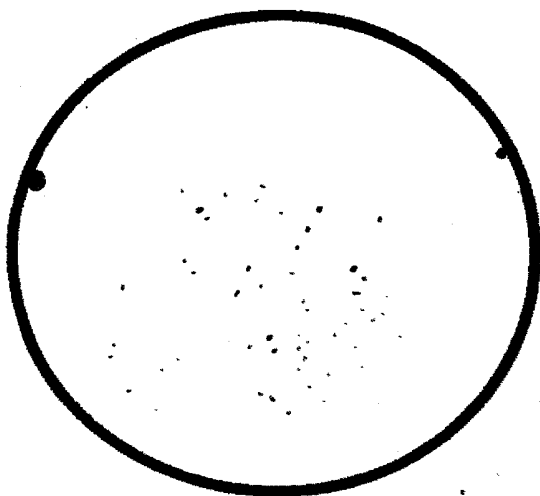
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? OK
- What is the overall shape of the object? Large
- How many stars can you count in the cluster? 60
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 2m

# Observing Log

Object type: Open Cluster

Object ID: Tr 32

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yant

Date 9/18/6

Time 1100 CDT

Location RANCA

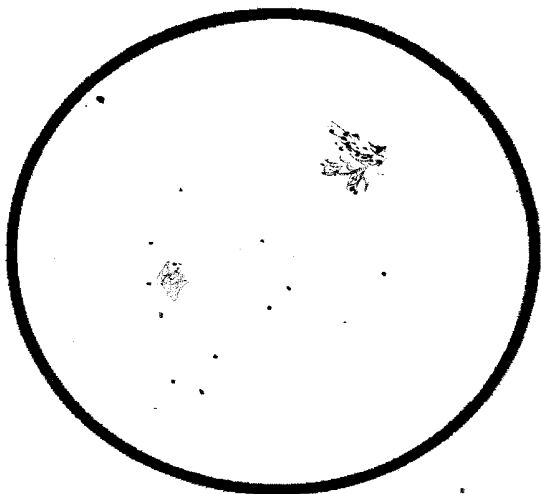
Seeing I Transparency I

Instrument X12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? ok
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 4 distinct
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there much background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? ok
- Are there any other deep-sky objects in the same field of view? If so, what? M16!

Description Tr II 2m

# Observing Log

Object type: Open Cluster

Copy  
For  
Hz

Ocoo

Object ID: Ngc 6604

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B York

Date 5/28/16

Time 12:30

Location RM Ce

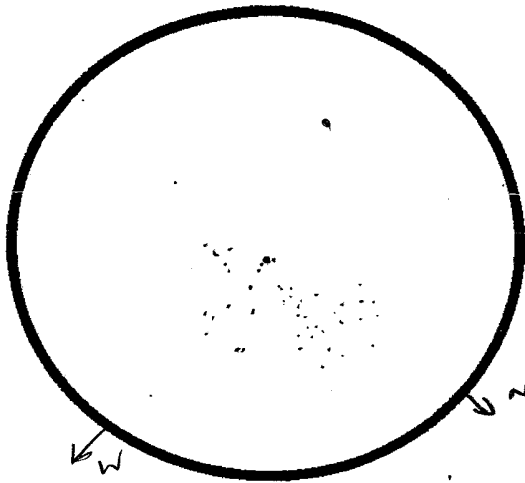
Seeing II- Transparency II-

Instrument X+12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? bees/green
- How many stars can you count in the cluster? 4 in clump, 20 surrounding
- Are the stars more concentrated in any one particular area? Near 6m star
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, no
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Seems to be a dim "line" of 10-11m - to NW.

Tr = IV 3p



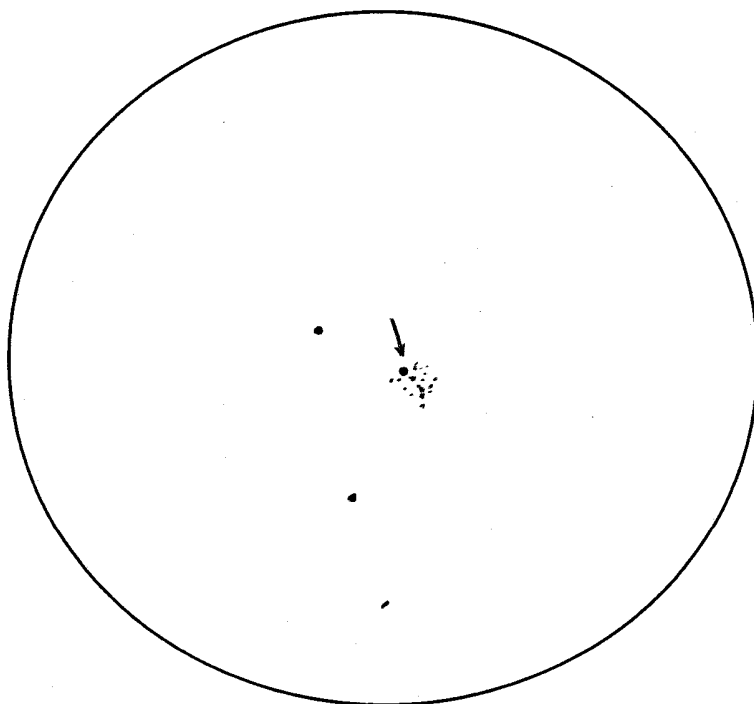
DATE 6/24/6 TIME 12:10 CST CDT CLARITY I II III IV V SEEING II III IV V

INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER 38 60 121 150 250 375 10 47 73 153 316 475

OBJECT Tr 33 FILTER NO NB WB OIII

OBS. PROGRAM LOC. RMCO RANCH HOME



Cool - 175423 almost all red. → is quite orange

Tr = I 2 p

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

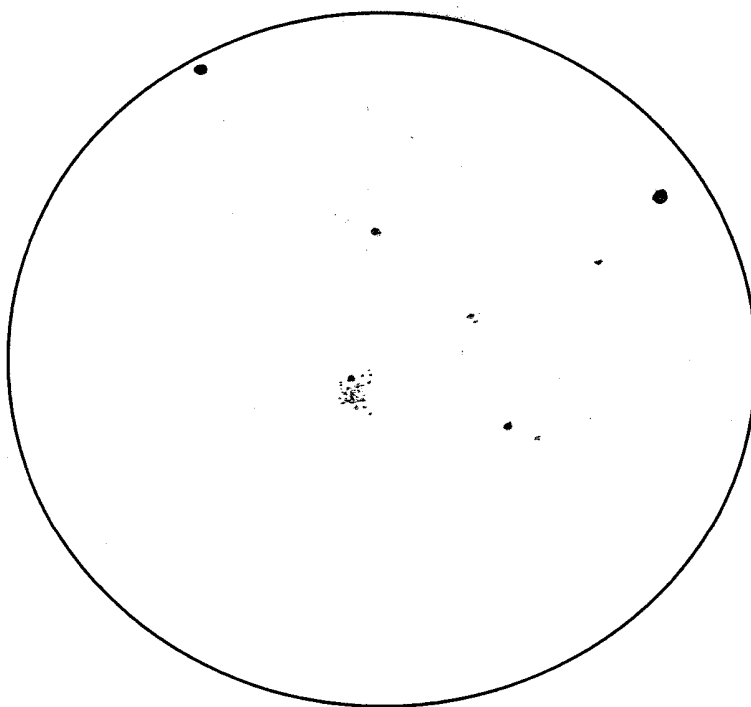
DATE 6/24/6 TIME 2:35 CST CDT CLARITY I II III IV V SEEING II III IV V

INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER 18 60 121 150 250 375 10 47 73 153 316 475

OBJECT N6e 6649 FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOC. RMCO RANCH HOME



N6e cluster near a star - 14 res'd + unresolved glow

$Tr = I3_p$

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

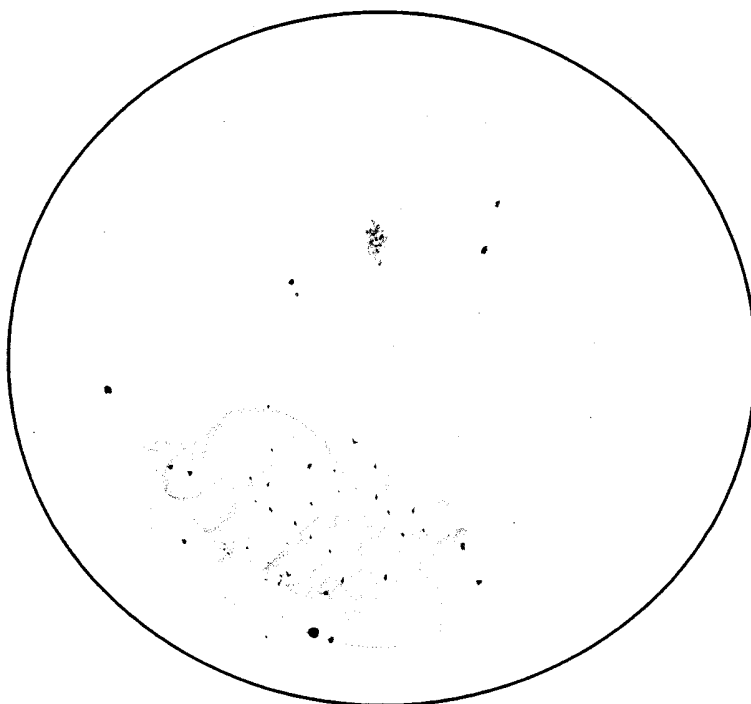
DATE 6/20/14 TIME 11:30 CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER 38 60 121 150 250 375 10 47 73 153 316 475

OBJECT Tr35 FILTER NO NB WB OIII

OBS. PROGRAM OCOC LOC. RMCC RANCH HOME



Yma nice unres'd glow. <sup>MC</sup> 6682 star cloud in field!

Tr = I2m

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

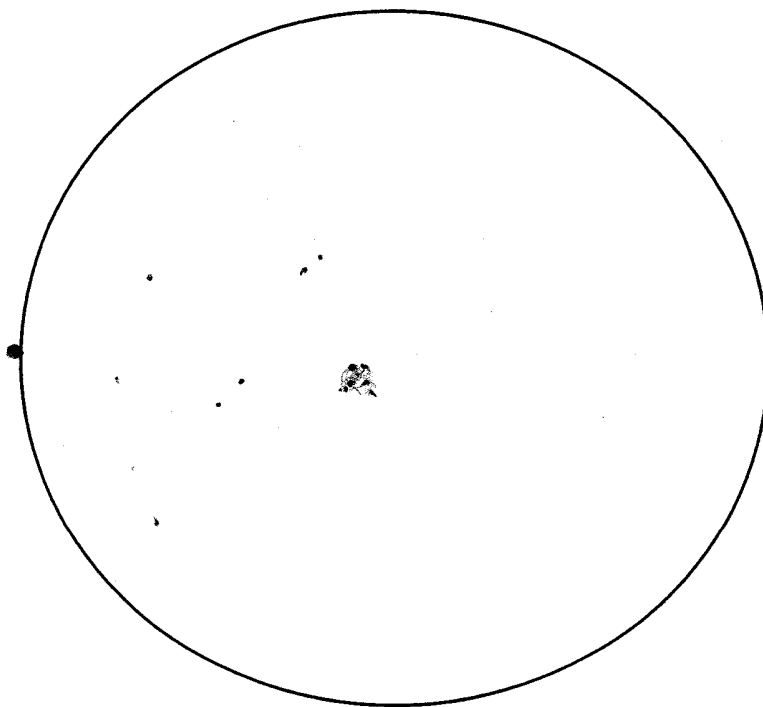
DATE 6/24/1 TIME 2:40 CST ☒DT CLARITY I ☒II III IV V SEEING ☒II III IV V

INSTRUMENT ☒XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER ☒38 60 121 150 250 375 10 47 73 153 316 475 \_\_\_\_\_

OBJECT M26 FILTER ☒NO NB WB OIII \_\_\_\_\_

OBS. PROGRAM OCOC LOC. ☒RMCO RANCH HOME \_\_\_\_\_



only 8 stars resolved Tr = I3p  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OCOC

# Observing Log Object type: Open Cluster

Object ID: M11 (NGC 6705)

Const.: \_\_\_\_\_

Observer B Youn

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 5/28/6

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 12:35

Location RMCE

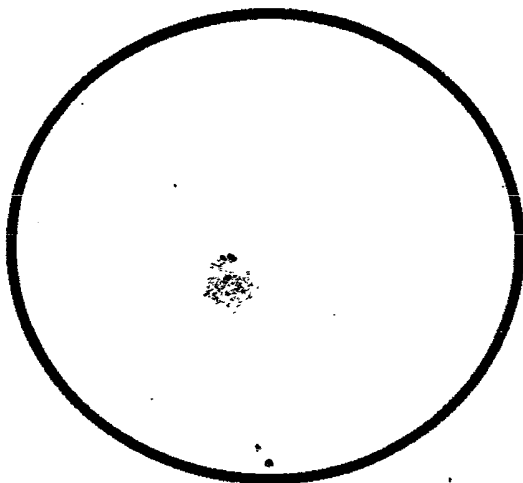
Seeing H- Transparency D-

Instrument XTR

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? FAN + glow
- How many stars can you count in the cluster? 100
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? "Gulf"
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, 1 very blue
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = F1r

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

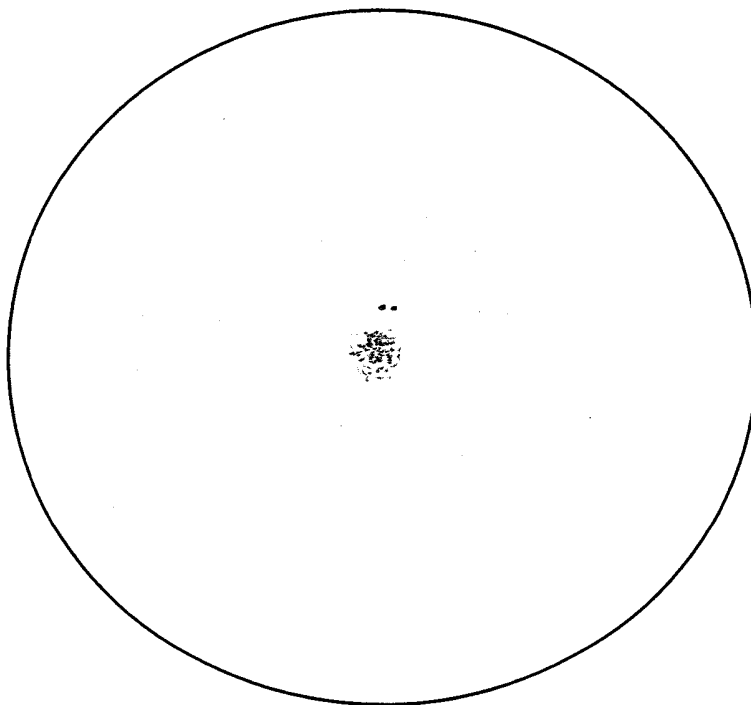
DATE 6/20/6 TIME 11:25 CST ☒DT CLARITY I ☒II III IV V SEEING I ☒II III IV V

INSTRUMENT ☒XT-12 ETX-125 50 x 800 mm RR 10x50 EYE

POWER ☒38 60 121 150 250 375 10 47 73 153 316 475 \_\_\_\_\_

OBJECT M11 FILTER ☒NO NB WB OIII \_\_\_\_\_

OBS. PROGRAM OcOc LOC. ☒RMCC BANCH HOME \_\_\_\_\_



$T_c = \pm 2c$

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# Observing Log

Object type: Open Cluster

Object ID: NKC 6709

Const.: A<sub>1</sub>

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 6/24/6

Time 11:40

Location RMCC

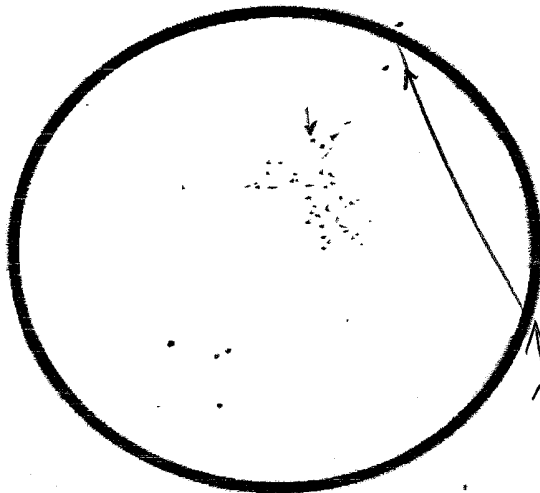
Seeing II Transparency II

Instrument \_\_\_\_\_

Size \_\_\_\_\_

Eyepiece \_\_\_\_\_

Field of view \_\_\_\_\_ Power \_\_\_\_\_



- Can this cluster be easily distinguished from the background stars? Yes - visible in finder
- What is the overall shape of the object? Y
- How many stars can you count in the cluster? 28
- Are the stars more concentrated in any one particular area? Stem
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? cup at top
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes - orange
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 1 p

# Observing Log

Object type: Open Cluster

OCOC

Object ID: RW146

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/18/6

Time 9:45 CDT

Location BackH

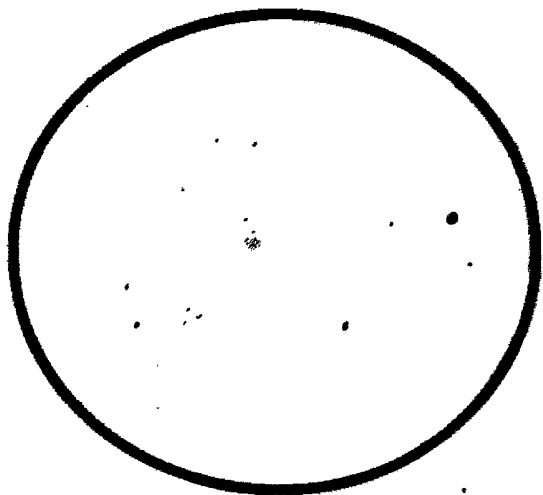
Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Fuzz
- How many stars can you count in the cluster? 2
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there all some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr I 1p



# Observing Log

Object type: Open Cluster

Object ID: Berk 80

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/6

Time 12:05 AM

Location RANCH

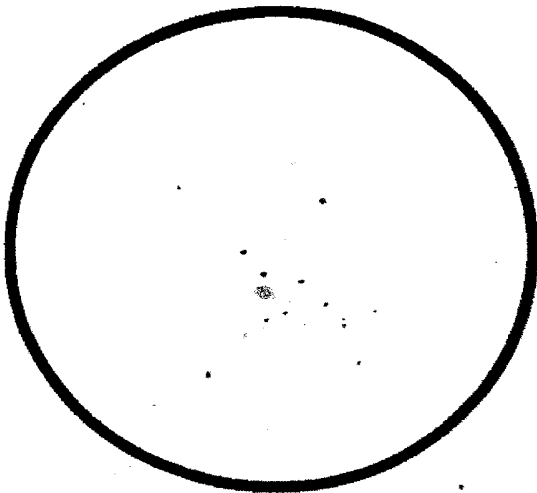
Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? glow
- How many stars can you count in the cluster? none
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there only some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? NO
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Right After BMO SCAN!

T=I1p

# Observing Log

Object type: Open Cluster

Object ID: Steph 1

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/16

Time 12:35 AM

Location RANCH

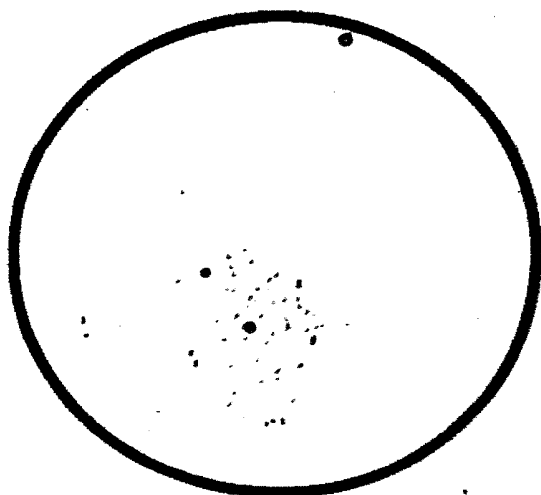
Seeing ± Transparency ±

Instrument NT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Normally
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 35?
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there very little background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, orange
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 3 p

COPY FOR PNOC!

# GALAXY GROUP AND CLUSTER OBSERVATIONS

NGC 6716		SITE RMCC	SEEING II	TRANS I
CONST		INSTR XT-12	EYEPIECE 42	POWER 37
No. OF GALAXIES (AV)		COMMENTS Anchored on SMILEY FACE		
DATE 6/21/6		Tr = II 1p		
TIME 3:00		OCOC		
NGC 6774		SITE RMCC	SEEING II	TRANS II
CONST Sgr		INSTR XT12	EYEPIECE 42	POWER 37
No. OF GALAXIES (AV)		COMMENTS OCOC		
DATE 6/21/6		Tr = III 1m		
TIME 3:10				
NGC 6822		SITE RMCC	SEEING II	TRANS II
CONST Sgr		INSTR XT12	EYEPIECE 42	POWER 37
No. OF GALAXIES (AV) 1		COMMENTS HUGE - AV HELPS		
DATE 6/21/6		WHAT A VIEW		
TIME 3:15				
NGC 6818		SITE RMCC	SEEING II	TRANS II
CONST Sgr		INSTR XT-12	EYEPIECE 10	POWER 150
No. OF GALAXIES (AV)		COMMENTS + WBNF AMAZING! BRIGHT BLuish GREY. HOLE IN MIDDLE (SMALL HOLE)		
DATE 6/21/6		PNOC		
TIME 3:25				

The AV scale for averted vision is used to classify the difficulty of observation. This 1-5 scale is further explained on pages 137-138.

3:15 AM

# Observing Log

Object type: Open Cluster

Object ID: Derk82

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B YOUNG

Date 9/19/6

Time 1:25 CAT

Location RANCH

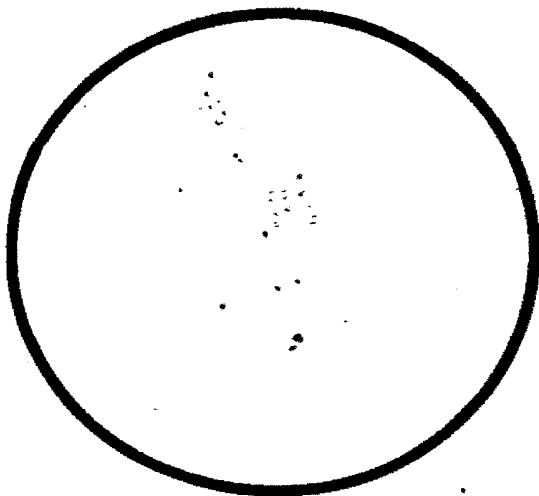
Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? None
- How many stars can you count in the cluster? 15
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 2<sub>p</sub>

OCC

# Observing Log Object type: Open Cluster

Object ID: Ngc 6791

Const.: Lyr

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer D. Tamm

Date 7/22/6

Time 11:35 CD

Location RMCC

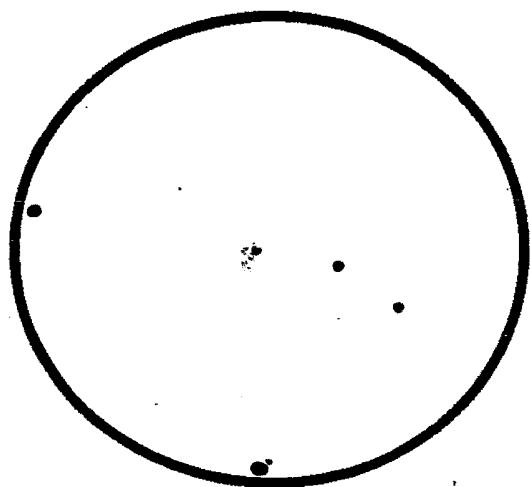
Seeing III Transparency I-

Instrument XT12

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 47



- Can this cluster be easily distinguished from the background stars? Normally (Hard to see)
- What is the overall shape of the object? bees
- How many stars can you count in the cluster? 8
- Are the stars more concentrated in any one particular area? bees
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Y, no
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = I3p

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Object ID: NBC 6791

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/6

Time 1:00 am

Location Ranch

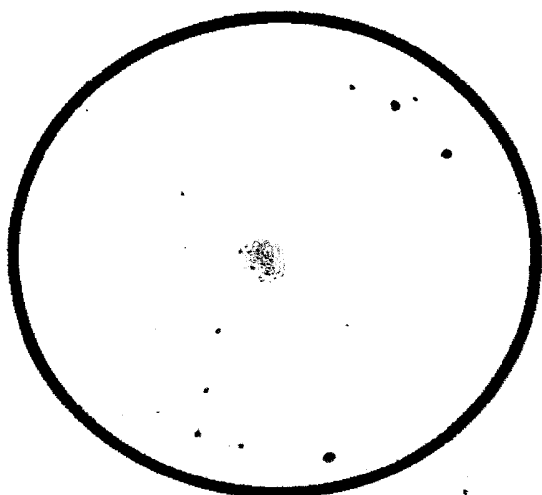
Seeing I Transparency I

Instrument DS 12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? oval
- How many stars can you count in the cluster? 13 + fuzz
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some much background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = II 2 m

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Open Cluster

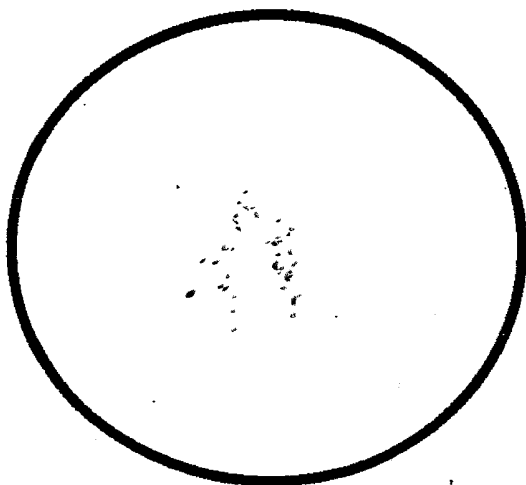
OCOC ←  
+H2

Object ID: Ntc 6793

Const.: VJ1

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Yane

Date 7/22/16

Time 11:55 CDT

Location RMCC

Seeing II- Transparency I-

Instrument XT12

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 137

- Can this cluster be easily distinguished from the background stars? fairly
- What is the overall shape of the object? ∩
- How many stars can you count in the cluster? 22
- Are the stars more concentrated in any one particular area? ∩
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? inside ∩ is dark (newly)
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? 2 close

Description Tr = II 2 p

# Observing Log

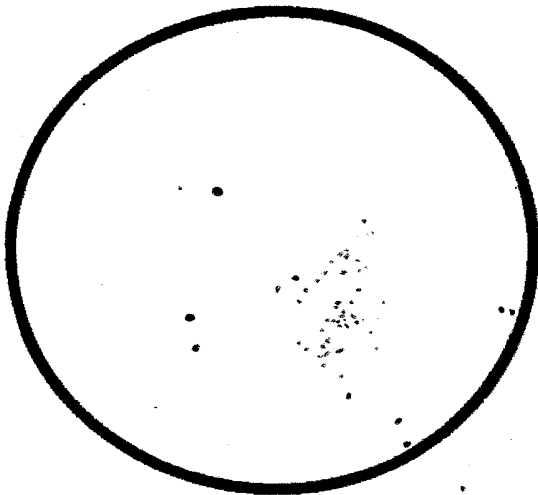
Object type: Open Cluster

Object ID: Ntc 6793

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B York

Date 9/19/6

Time 1:15 AM

Location Ranch

Seeing I Transparency I

Instrument X-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38

- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? 1
- How many stars can you count in the cluster? 45
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebula noticed?
- Is there any particular area where you notice an absence of stars in this cluster? under 1
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 4p

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Observing Log

Object type: Open Cluster

Object ID: King 25

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B YAM

Date 9/19/6

Time 1:20 CPT

Location RANget

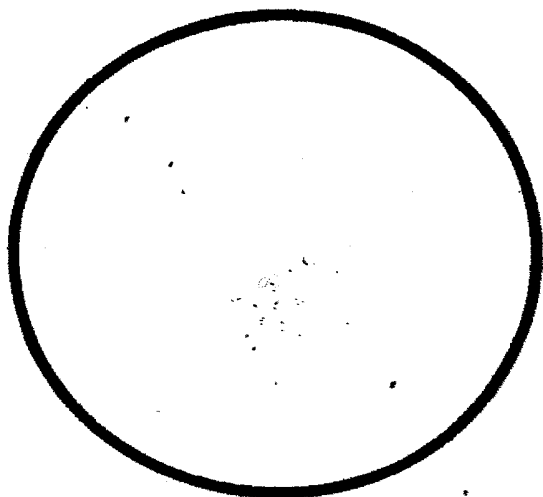
Seeing I Transparency I

Instrument XII2

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? None
- How many stars can you count in the cluster? 14
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there ~~some background~~ nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 4p

OCOC

# Observing Log

#1 = NO LISTING (Object type: Open Cluster)  
 #2 = NGC 6800

Object ID: #2 = NGC 6800

Const.: Vul #3 = NO LISTING (U2000) Observer B Young

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_ Date 7/23/16

Mag: \_\_\_\_\_ Size: \_\_\_\_\_ Time 12:05 CDX

Location RMCC

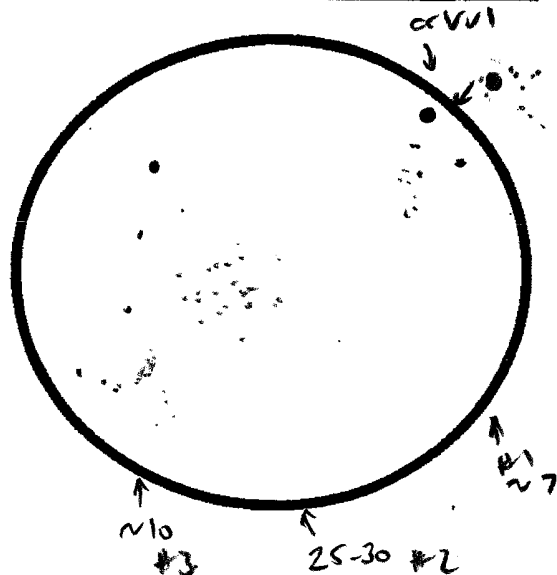
Seeing II- Transparency I-

Instrument XT12

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? 3
- What is the overall shape of the object? #1 bee, #2 oval #3 short arc
- How many stars can you count in the cluster? 7, 30, 10
- Are the stars more concentrated in any one particular area? see diag
- Is this cluster resolved fully or is there some background nebulosity noticed? 1, 2
- Is there any particular area where you notice an absence of stars in this cluster? see diag
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? yes, 1 red
- Are there any other deep-sky objects in the same field of view? If so, what? encl other

Description (6800)  
TC = III 2p

# Observing Log

Object type: Open Cluster

Object ID: Berk 47

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B York

Date 9/12/6

Time 1:25 CST

Location RANCH

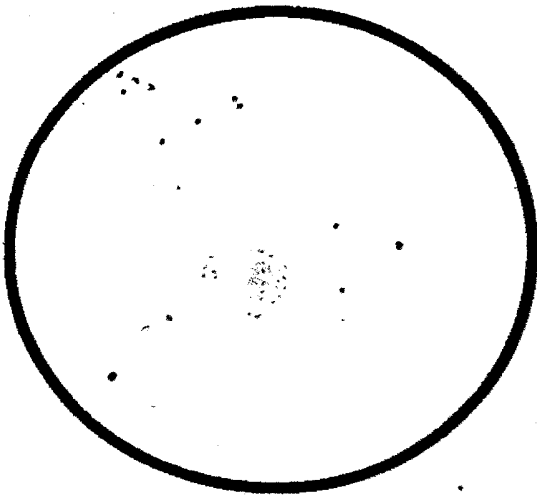
Seeing I Transparency R

Instrument X12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Half moon
- How many stars can you count in the cluster? 12 distinct
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? None on North
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description 2123 massive - 1 beside to right (after break)

Fr = IV 2p

# Observing Log

Object type: Open Cluster

OCoc

Object ID: NOC 6811

Const.: Cyg

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 7/22/6

Time 11:45 CDT

Location RMCC

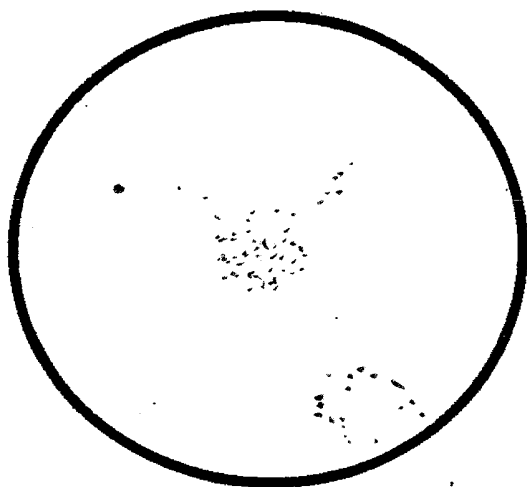
Seeing III Transparency I-

Instrument XT12

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 47



- Can this cluster be easily distinguished from the background stars? Y
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 50
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? "hole" in middle (slightly)
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? Cool gray nebula

Description Tr = III 4m

# Observing Log

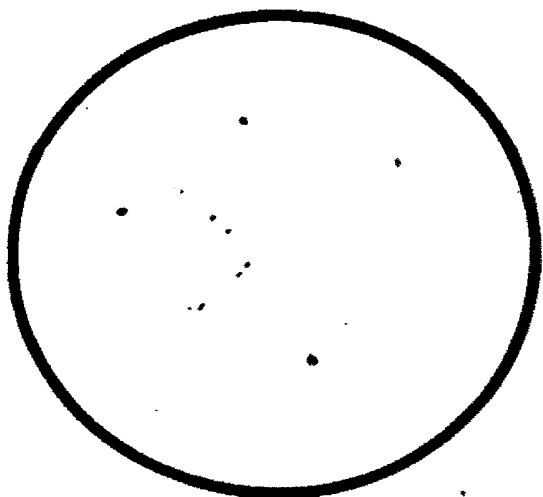
Object type: Open Cluster

Object ID: Cr 401

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Young

Date 9/19/6

Time 9:30 CDT

Location RMCC

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38

- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? star
- How many stars can you count in the cluster? None
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed? No
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

↑ W

w/4mm  
= 375x

Note how  
steady!

Description Look @ 4mm! What a steady sight! (375x)

Tr = I3p

# Observing Log

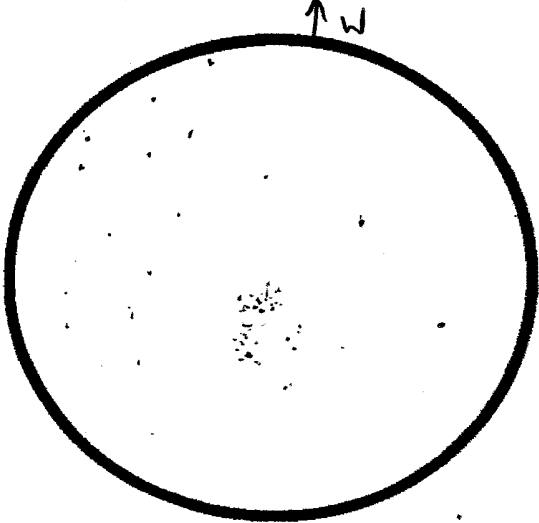
Object type: Open Cluster

Object ID: NFC6823

Const.: VJ1

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B YONG

Date 9/23/6

Time 11:30 CDT

Location RMCC

Seeing II Transparency I-

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38

- Can this cluster be easily distinguished from the background stars? oh
- What is the overall shape of the object? Irreg
- How many stars can you count in the cluster? 25
- Are the stars more concentrated in any one particular area? wider at top in clump (e)
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? under clump (e)
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = II 2p

# Observing Log

Object type: Open Cluster

Object ID: Ntc 6819

Const.: Cyg

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/24/6

Time 12:45 COT

Location RMCE

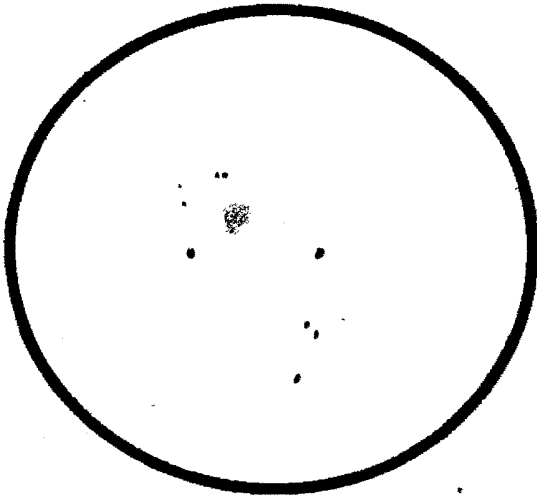
Seeing II Transparency I-

Instrument X512

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? comma
- How many stars can you count in the cluster? 40
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = TLM

OCOC

# Observing Log

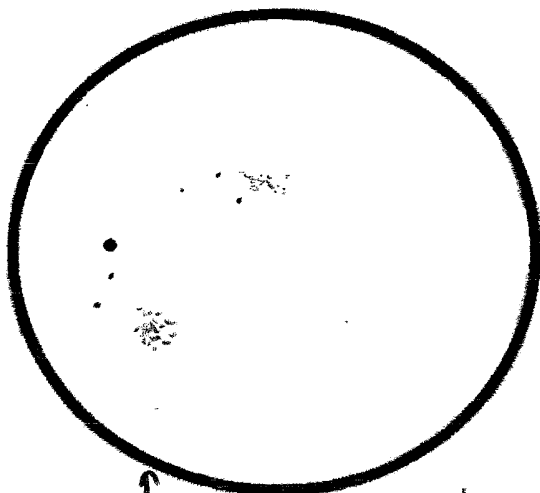
Object type: Open Cluster

Object ID: H20 (Harvard 20)Const.: SagObserver B Young

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 7/23/16

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 1:00 AMLocation RiceSeeing II Transparency I-Instrument X712Size 12Eyepiece 40Field of view \_\_\_\_\_ Power 37

- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Rectangle
- How many stars can you count in the cluster? 18
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, 51 mag
- Are there any other deep-sky objects in the same field of view? If so, what? M71

Description Tr = I 1 p



# Observing Log

Object type: Open Cluster

Object ID: N2C 6971

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/6

Time 3:00 AM

Location RANCH

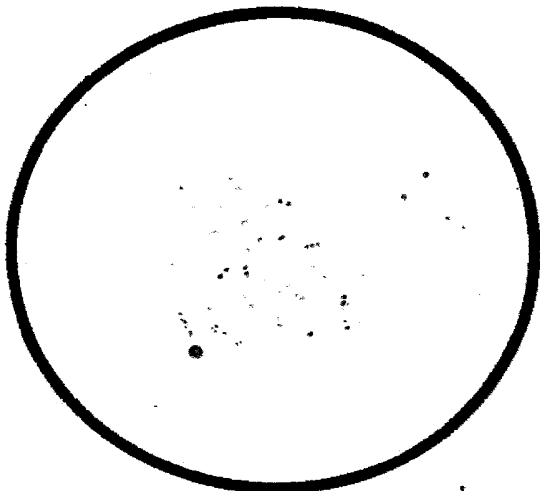
Seeing I Transparency I

Instrument NT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 30



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Ram
- How many stars can you count in the cluster? ? 20
- Are the stars more concentrated in any one particular area? Chungus
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes yellow
- Are there any other deep-sky objects in the same field of view? If so, what? B12 see ->

Description Tr = III 2p

# Observing Log

Object type: Open Cluster

Object ID: Burhan 2

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B YOUNG

Date 9/19/6

Time 3:10 CDT

Location Ranch

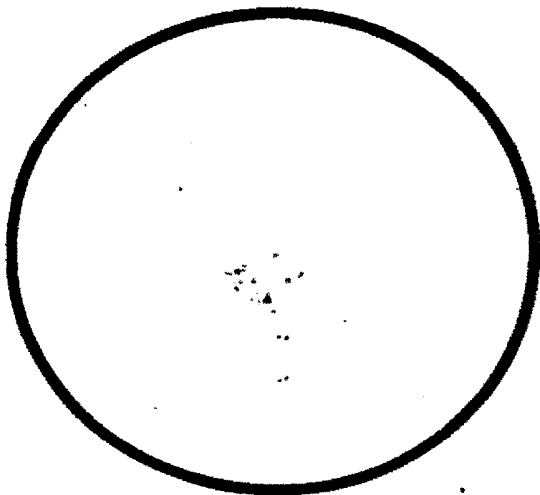
Seeing I Transparency I

Instrument X512

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38x



- Can this cluster be easily distinguished from the background stars? Barely
- What is the overall shape of the object? Bees
- How many stars can you count in the cluster? 15
- Are the stars more concentrated in any one particular area? Bees
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? N
- Are there any other deep-sky objects in the same field of view? If so, what? 6871  
←

Description Tr = IV 3p

# Observing Log

Object type: Open Cluster

Object ID: N6C 6885

Const.: VJ1

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/23/6

Time 11:45 CDT

Location RMCC

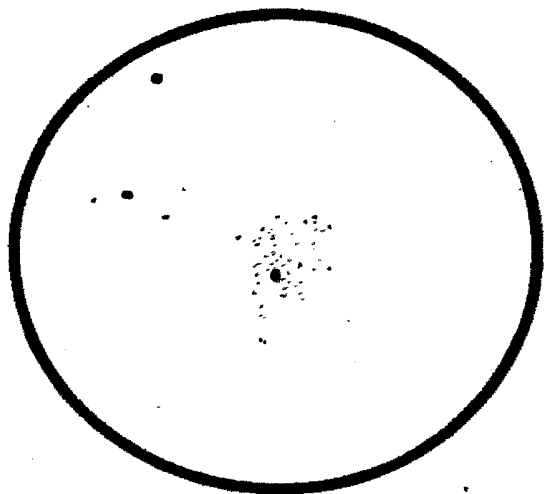
Seeing II Transparency I-

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Bee
- How many stars can you count in the cluster? 50
- Are the stars more concentrated in any one particular area? Near 20 Cyg
- Is this cluster resolved fully or is there some hint of background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, 202 blue 192 orange yellow
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description N6 C-416

Tr = II 3 m

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Object ID: IC 4996

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B York

Date 9/19/6

Time 3:15 CDT

Location Ranch

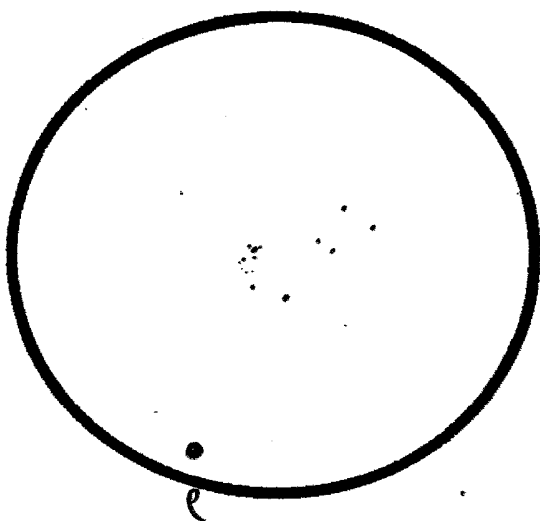
Seeing I Transparency I

Instrument RT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? bees
- How many stars can you count in the cluster? 9
- Are the stars more concentrated in any one particular area? bees
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description new triple + bees Tr = IX 3p

# Observing Log

Object type: Open Cluster

Object ID: Bey 85

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/6

Time 3:20 AM

Location RANDY

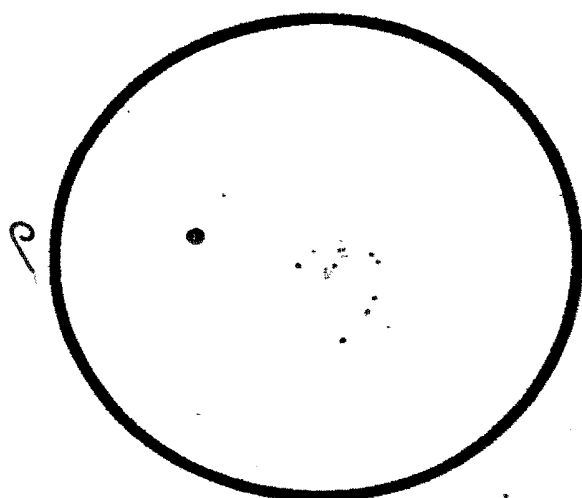
Seeing ± Transparency I

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? bees
- How many stars can you count in the cluster? 7
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? Almost IC 4996

Description Tr = IV 3p

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Object ID: Berk 86

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B York

Date 9/19/6

Time 3:25 CD

Location Rover

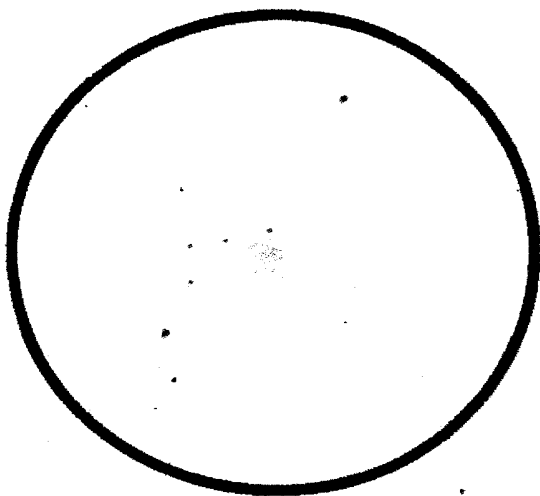
Seeing I Transparency I

Instrument Xt12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Glow
- How many stars can you count in the cluster? None
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebula noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 1p

# Observing Log

Object type: Open Cluster

Object ID: Ber 87

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 9/19/6

Time 3:30 UT

Location Ranch

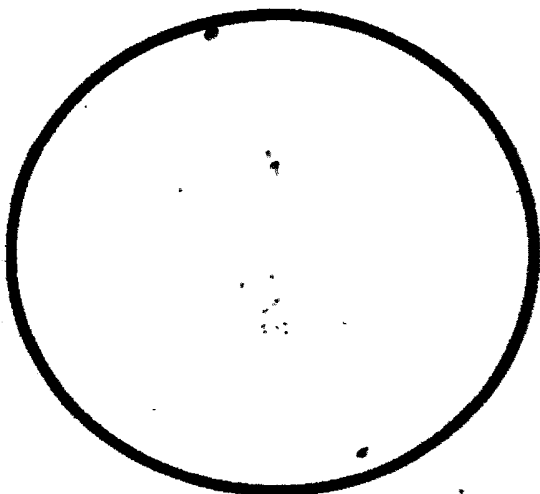
Seeing I Transparency I

Instrument X512

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 32



- Can this cluster be easily distinguished from the background stars? OK
- What is the overall shape of the object? 12
- How many stars can you count in the cluster? 9
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 1p

# Observing Log

Object type: Open Cluster

Object ID: Dolidze 9

Const.: Cyg

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yarn

Date 11/23/6

Time 10:00 CST

Location RMCC

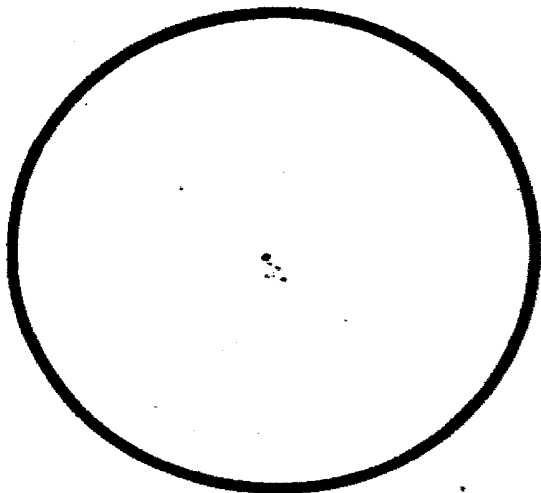
Seeing II- Transparency II

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? Yes 10mm view
- What is the overall shape of the object? Bees
- How many stars can you count in the cluster? 5
- Are the stars more concentrated in any one particular area? In line
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? C-421 to W

Description IT = I 2p



# Observing Log

Object type: Open Cluster

Object ID: N6C 6910

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B YOUNG

Date 11/22/6

Time 8:00 CST

Location NMCC

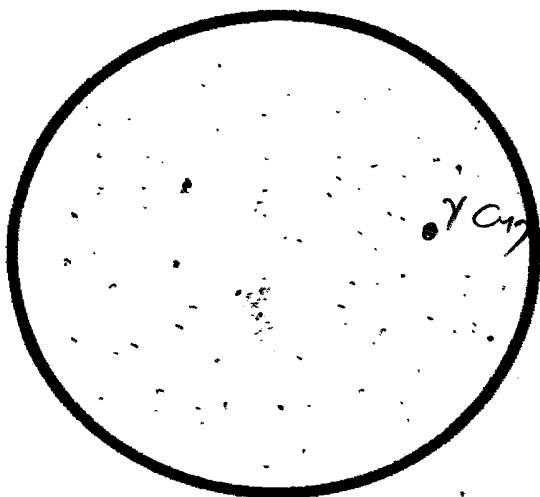
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? X
- How many stars can you count in the cluster? 17
- Are the stars more concentrated in any one particular area? IN LWS
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr: II 2p

# Observing Log

Object type: Open Cluster

Object ID: Cr 421

Const.: Cyg

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yang

Date 11/23/6

Time 9:50

Location RMce

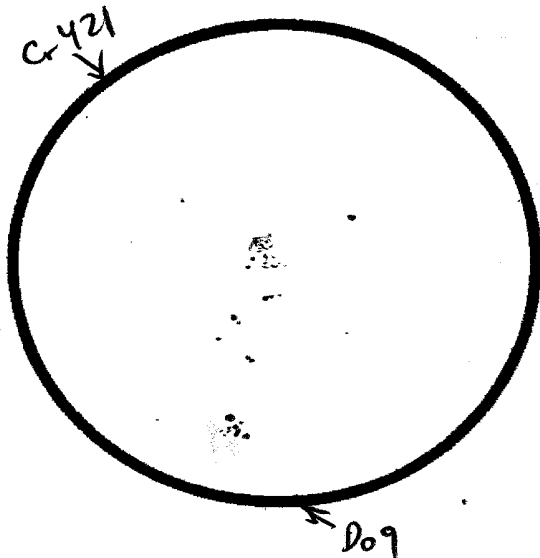
Seeing II- Transparency II

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Oval
- How many stars can you count in the cluster? 18
- Are the stars more concentrated in any one particular area? "glow" on NW side
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? Do 9

Description Tr = I 3p

# Observing Log

Object type: Open Cluster

Object ID: Cr 421

10mm — not for OCOC

Const.: Cygn

Observer B Young

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 11/23/6

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 9:55

Location RMCe

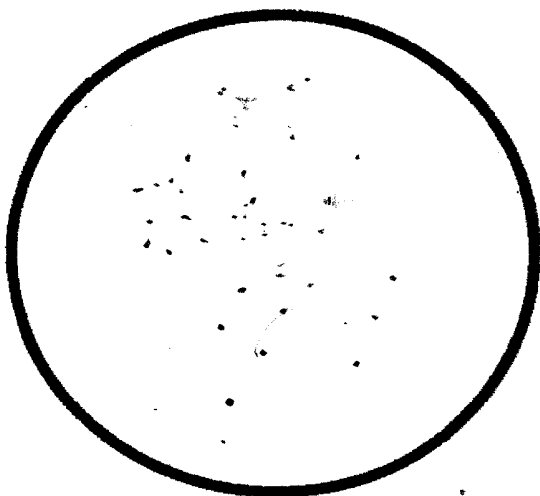
Seeing II — Transparency II

Instrument XT12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 150



- Can this cluster be easily distinguished from the background stars? yes
- What is the overall shape of the object? Nice scatter
- How many stars can you count in the cluster? ~35
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? Not at 150x

Description \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Observing Log

Object type: Open Cluster

Object ID: Berk 90

Const.: Cyg

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 11/23/6

Time 10:10 CST

Location RMCE

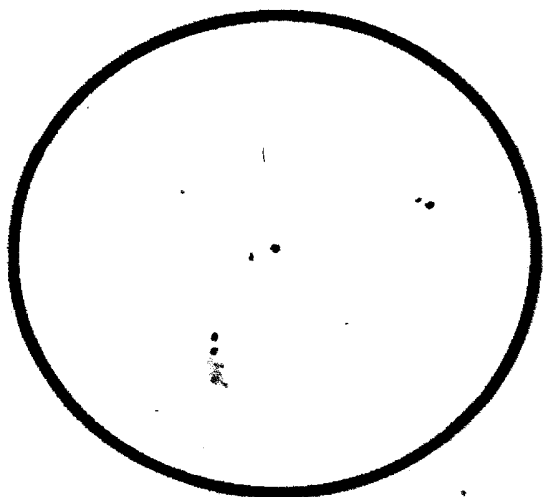
Seeing II- Transparency II

Instrument XST

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? None
- How many stars can you count in the cluster? 4
- Are the stars more concentrated in any one particular area? Around 8m
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Faint @ 42mm Tr = I 3p

# Observing Log

Object type: Open Cluster

Object ID: Trench 1

Const.: Del

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 9/23/6

Time 11:50 CDT

Location RMCC

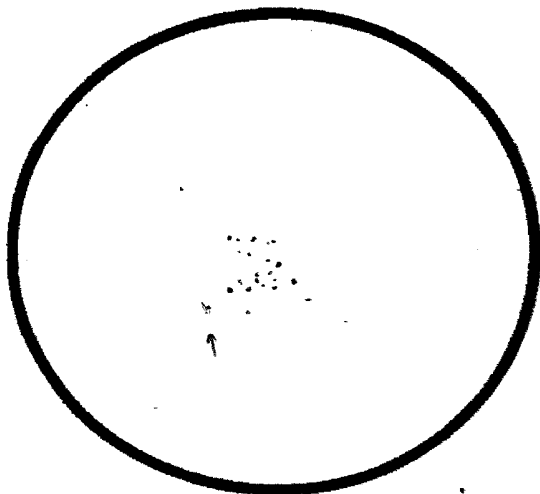
Seeing II Transparency I-

Instrument XT 12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? 2
- How many stars can you count in the cluster? 19
- Are the stars more concentrated in any one particular area? center
- Is this cluster resolved fully or is there some hazy background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? within "log's"
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No 7025 @ - !

Description Nice surprise! Tr = II 2p

# Observing Log

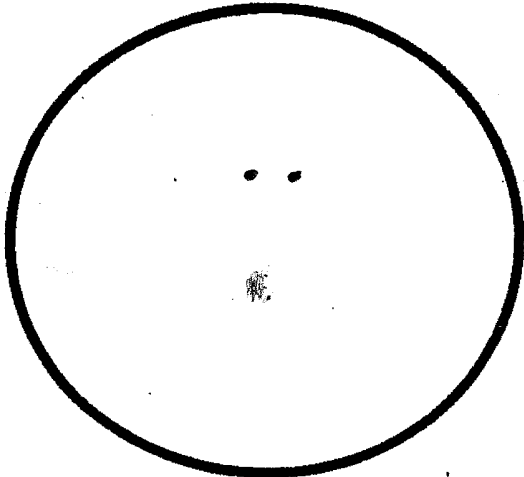
Object type: Open Cluster

Object ID: IC 1369

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B YOUNG

Date 11/22/6

Time 10:15

Location RMCC

Seeing II Transparency I-

Instrument X+12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36

- Can this cluster be easily distinguished from the background stars? yes but dim
- What is the overall shape of the object? Round 10mm
- How many stars can you count in the cluster? 4 + fuzz
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some nebula background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Washed out in 10mm 42mm Tr = III 1p

# Observing Log

Object type: Open Cluster

0600

Object ID: Ber 5

Const.: Cygn

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yamb

Date 7/8/7

Time 12:00

Location RMCE

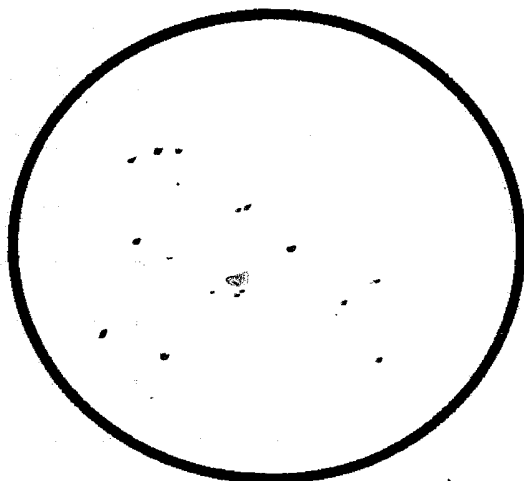
Seeing II Transparency II

Instrument X7-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? None
- How many stars can you count in the cluster? More
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some all background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? None

Description Tr = III 2p

\_\_\_\_\_

\_\_\_\_\_

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# Observing Log

Object type: Open Cluster

Object ID: N6C 7062

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 11/22/6

Time 8:10

Location RMCE

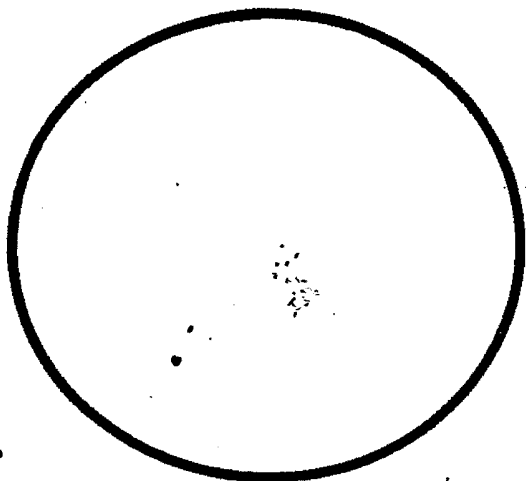
Seeing II Transparency I-

Instrument Xt12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this cluster be easily distinguished from the background stars? fairly
- What is the overall shape of the object? X
- How many stars can you count in the cluster? 20
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = II 2 p



# Observing Log

Object type: Open Cluster

Object ID: IC 1396

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/19/6

Time 3:45 CDT

Location Ranney

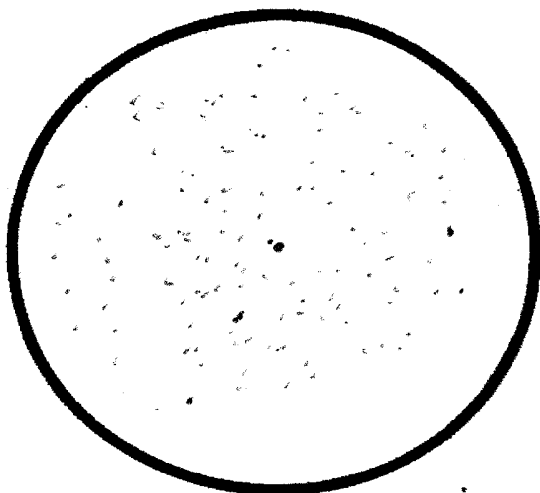
Seeing I Transparency I

Instrument XT 12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Fills field
- What is the overall shape of the object? huge
- How many stars can you count in the cluster? > 200
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed? some
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No Y43

Description Tr = III 39

Observing Log  
Object type: Open Cluster

OCOC

Object ID: NbC 7142

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Yang

Date 7/27/6

Time 1:10 CDT

Location RMCC

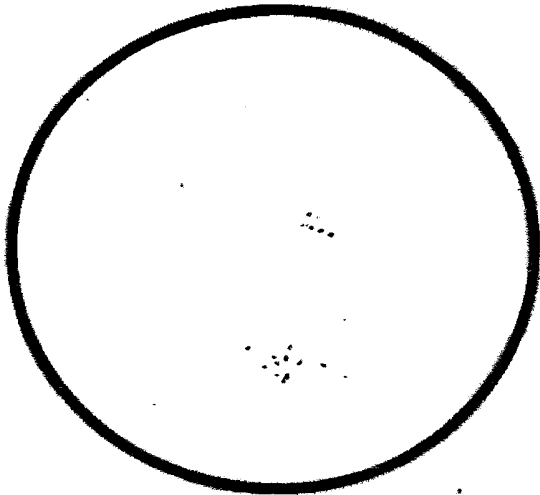
Seeing II - Transparency I

Instrument XT12

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? ?
- What is the overall shape of the object? clumpy
- How many stars can you count in the cluster? 10 & 5
- Are the stars more concentrated in any one particular area? clumpy
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? Between them
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 2p

# Observing Log

Object type: Open Cluster

OC6C

Object ID: N6C 7142

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer A Young

Date 7/8/7

Time 12:20

Location RMCC

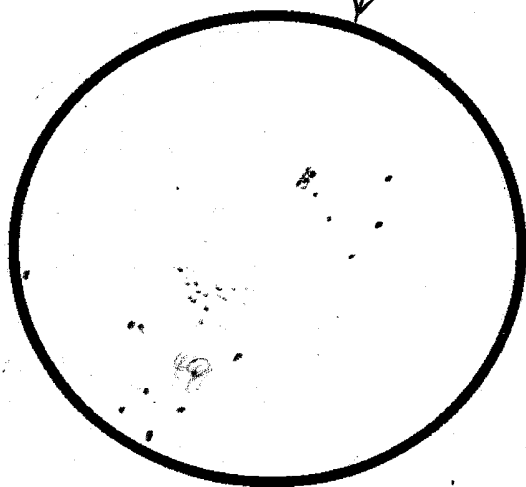
Seeing II Transparency II-

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Chung
- How many stars can you count in the cluster? 4
- Are the stars more concentrated in any one particular area? chung
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? yes, cluster reb

Description Tr = I1p (7133 & 7129)

# Observing Log

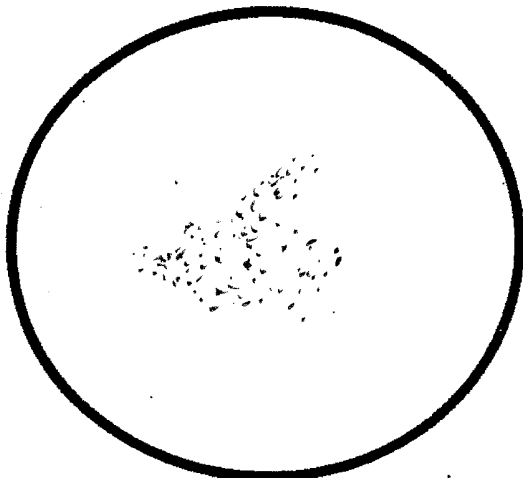
Object type: Open Cluster

Object ID: NLC 7209

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B YOUNT

Date 11/22/6

Time 9:00

Location RMCC

Seeing II Transparency I-

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36

- Can this cluster be easily distinguished from the background stars? Barely (some area)
- What is the overall shape of the object? Oval w/ext to W
- How many stars can you count in the cluster? > 100
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there still some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 29

# Observing Log

Object type: Open Cluster

Object ID: 1C1434

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B young

Date 9/23/6

Time 10:30 COT

Location RMCC

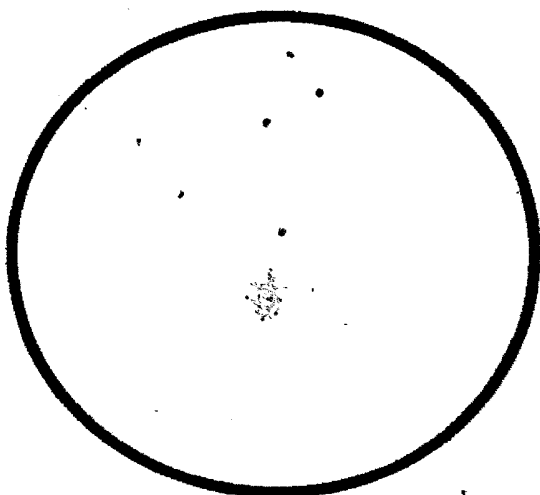
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? T
- How many stars can you count in the cluster? 12
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = II 3p

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# Observing Log

Object type: Open Cluster

Object ID: NBC 7235

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Yount

Date 12/30/05

Time 7:40 CST

Location Rince

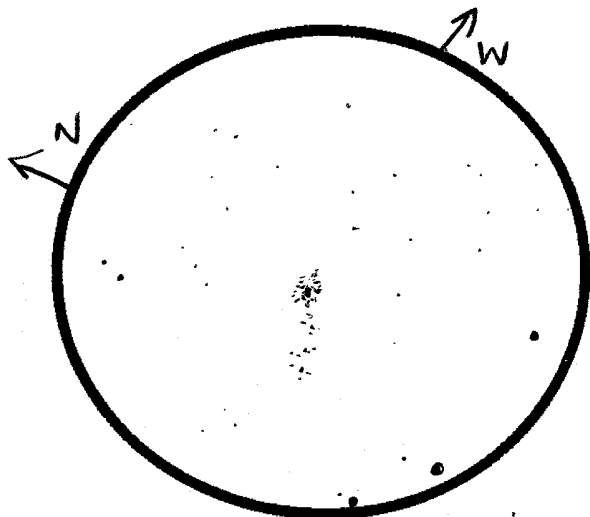
Seeing 4 Transparency 4

Instrument 8x12

Size 304 mm

Eyepiece 40 mm

Field of view \_\_\_\_\_ Power 37x



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Rice
- How many stars can you count in the cluster? 35
- Are the stars more concentrated in any one particular area? "Head"
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = I2p

# Observing Log

Object type: Open Cluster

Object ID: NBC 7238

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/23/6

Time 9:55 CDT

Location RMCC

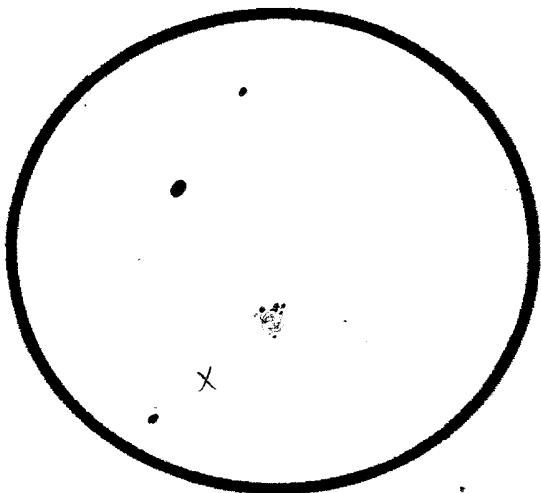
Seeing II Transparency T

Instrument X8-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? ▽
- How many stars can you count in the cluster? 10 + glow
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, orange
- Are there any other deep-sky objects in the same field of view? If so, what?  
Can't make out 7234 @ "x"

Description Tr = I 2p

# Observing Log

Object type: Open Cluster

COPY FOR  
H2 = 7245

Object ID: King 9

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yount

Date 9/23/6

Time 10:20 CDT

Location RMCC

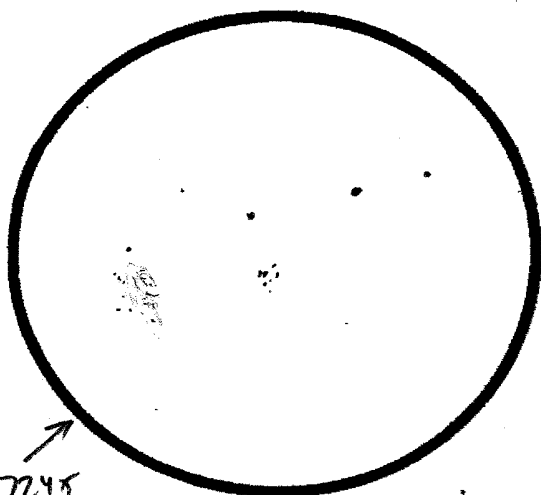
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? OK
- What is the overall shape of the object? Clump
- How many stars can you count in the cluster? 6
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there just some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what?

Description

NAC 7245 to S - very interesting

W/10+ gave a line of glow E-W

King 9 = Tr = II 7p



# Observing Log

Object type: Open Cluster

Object ID: Bcd94

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/23/6

Time 11:05 CDT

Location RMCC

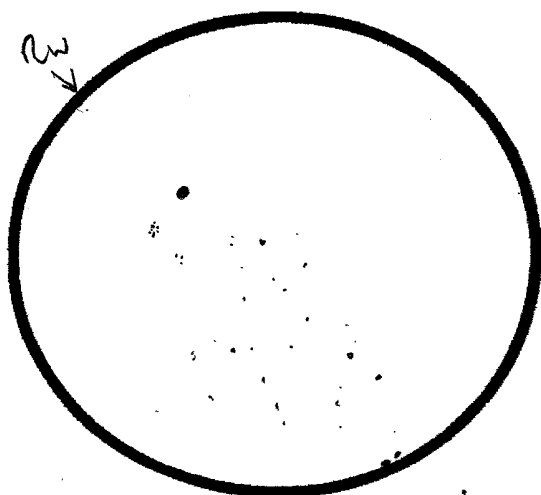
Seeing I- Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Bees
- How many stars can you count in the cluster? 5
- Are the stars more concentrated in any one particular area? Bees
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? RW
- Are there any other deep-sky objects in the same field of view? If so, what? Field of

Description Tr = I 1p Sh2-132 cluster (not seen)

# Observing Log

Object type: Open Cluster

Object ID: Ben 96

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 9/23/6

Time 11:15 CDT

Location RMCC

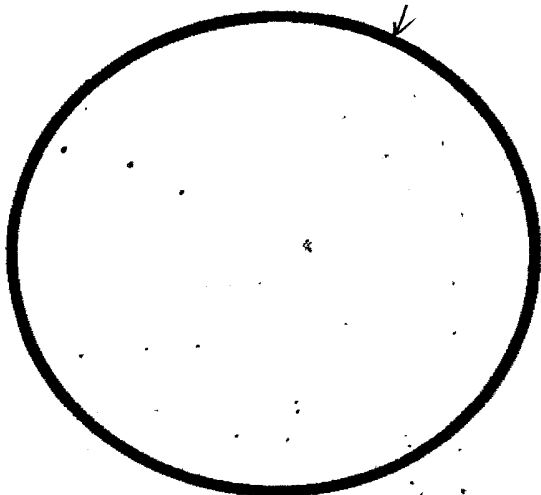
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Bees wings
- How many stars can you count in the cluster? 4
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 1p

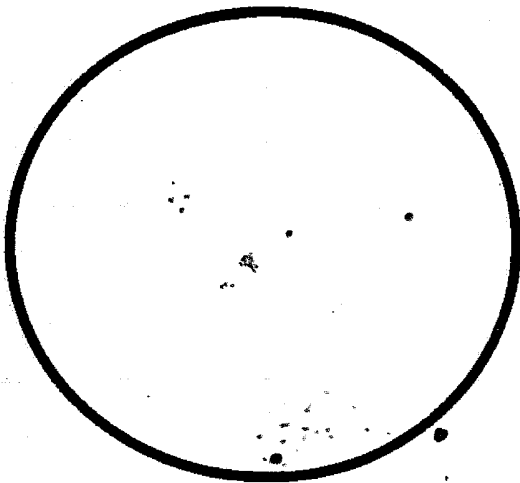
# Observing Log

Object type: Open Cluster

OCOC

Object ID: W518  
 Const.: Cox  
 RA: \_\_\_\_\_ Dec.: \_\_\_\_\_  
 Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Yank  
 Date 7/8/7  
 Time 1:15  
 Location RMce  
 Seeing II - Transparency II  
 Instrument XT12  
 Size 12  
 Eyepiece 42  
 Field of view \_\_\_\_\_ Power 37



7380

- Can this cluster be easily distinguished from the background stars? Somewhat
- What is the overall shape of the object? clump
- How many stars can you count in the cluster? 6
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? yes, NGC 7380

Description Tr = I 4p

# Observing Log

Object type: Open Cluster

OCOC

Object ID: N6C 7423

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 7/8/7

Time 12:30

Location Rmce

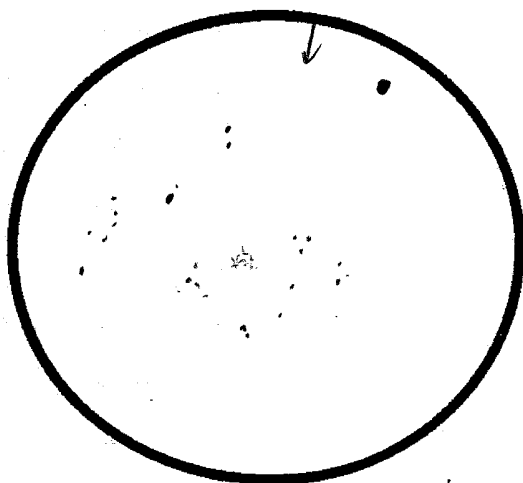
Seeing II Transparency II

Instrument X512

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? yes
- What is the overall shape of the object? clump
- How many stars can you count in the cluster? 12
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 1 p

# Observing Log

Object type: Open Cluster

OCoc

Object ID: King 10

Const.: Cep

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 7/8/7

Time 1:00

Location Rice

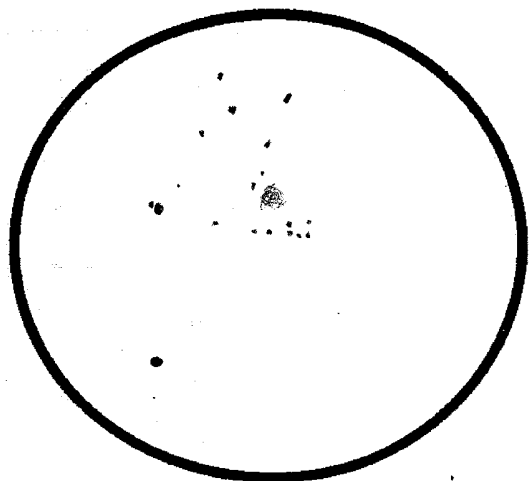
Seeing II Transparency II

Instrument XT12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? Barely
- What is the overall shape of the object? Ghost
- How many stars can you count in the cluster? 2 or 3
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some mostly background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = IV 1p

# Observing Log

Object type: Open Cluster

OCOC  
(x2)

Object ID: NHC 7510 W/Kmg 19

Const.: Cep

Observer B Yamb

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Date 7/23/16

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 1:20 am

Location RMCC

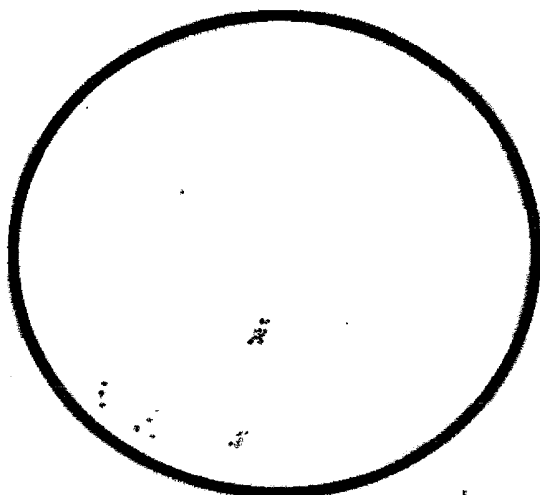
Seeing II- Transparency I-

Instrument X5-12

Size 12

Eyepiece 5/8

Field of view \_\_\_\_\_ Power 37



↑ K19

7510/K19

- Can this cluster be easily distinguished from the background stars? 8 ok
- What is the overall shape of the object? clump / round
- How many stars can you count in the cluster? 6/4
- Are the stars more concentrated in any one particular area? No/No
- Is this cluster resolved fully or is there some background nebulosity noticed? mostly (K19)
- Is there any particular area where you notice an absence of stars in this cluster? No/No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No/No
- Are there any other deep-sky objects in the same field of view? If so, what? No (each other)

Description 7510 Tr = I 1p

K19 Tr = I 1p

Observing Log  
Object type: Open Cluster

OCOC

Object ID: NGC 7686

Const.: And

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. Young

Date 7/22/6

Time 1135 UT

Location RMCC

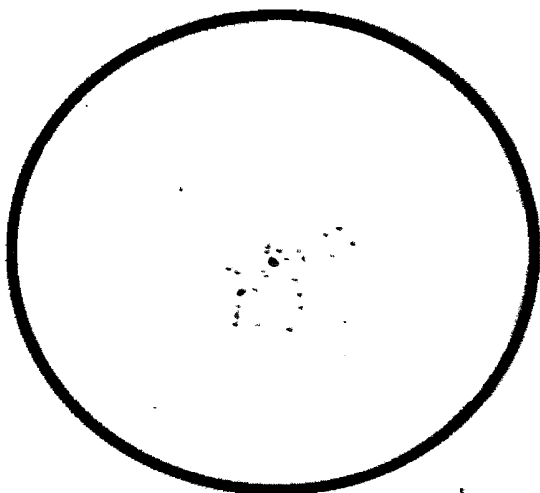
Seeing II Transparency I

Instrument XST

Size 12

Eyepiece 40

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Swings
- How many stars can you count in the cluster? 22
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? Yes, few
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Tr = III 2 p

Observing Log  
Object type: Open Cluster

OCOC

Object ID: ICM 21

Const.: Cas

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 7/15/7

Time 12:15 AM

Location A. Ranch

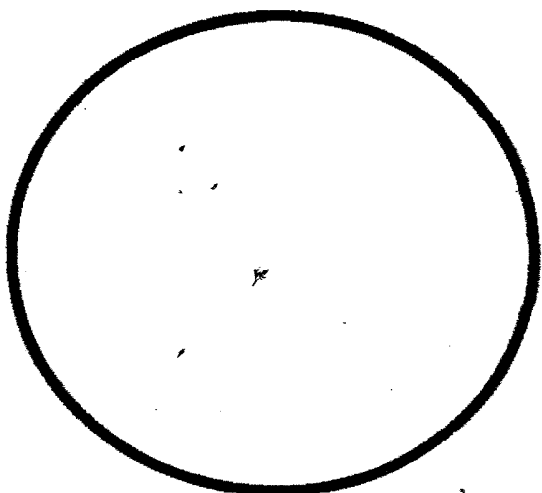
Seeing II Transparency II

Instrument XT

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 37



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Bees on 2
- How many stars can you count in the cluster? 2
- Are the stars more concentrated in any one particular area? on wide bbl
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

150x  
~ 12 seen  
↓

Description IC = I 3<sub>p</sub>



OCOC

OC  
Planetary Nebula Club  
Observing Log

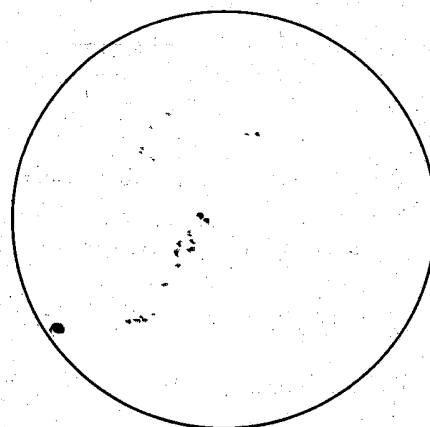
Observer's name: B Yang

Object: <u>KIN 12</u>	Location: <u>RMCC</u>
Date: <u>7/8/7</u>	Time: <u>2:20</u>
Seeing: <u>II-</u>	Transparency: <u>II</u>
Darkness of the site: <u>B+2</u>	Moon phase: <u>22d</u>
Aperture and focal ratio: <u>12" f/5</u>	Magnification(s) used: <u>37x, 150x</u>
Device-aided? <u>No</u>	Color(s) seen: <u>—</u>
Filters used: <u>X</u>	Is filter required to detect the PN? <u>—</u>
Is the central star visible? <u>X</u>	Direct or averted vision? <u>—</u>

How does the ~~planetary~~ respond to different magnifications?

Description: (Sketch is optional unless a negative observation.)

37x



150x  
to  
confirm

Very small "bees"  
around a 10m star  
No stars counted

Trumpler = I 3p