

Observing Log  
Object type: Galaxy

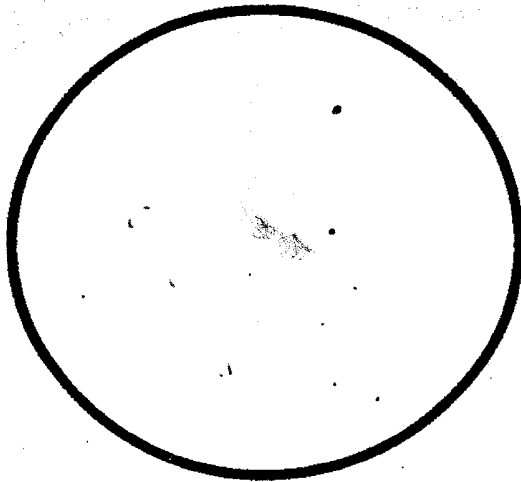
H2

Object ID: Ngc 24

Const.: Sc1

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

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



Observer B. Yang

Date 10/11/7

Time 1:00

Location A. Ranch

Seeing I Transparency I

Instrument XST2

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Lent/clong like 253
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? nothing
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? some
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description like min -253 (not seen) but less

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 126

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

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

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

Observer B. Young

Date 7/29/8

Time 2145 US

Location OTex

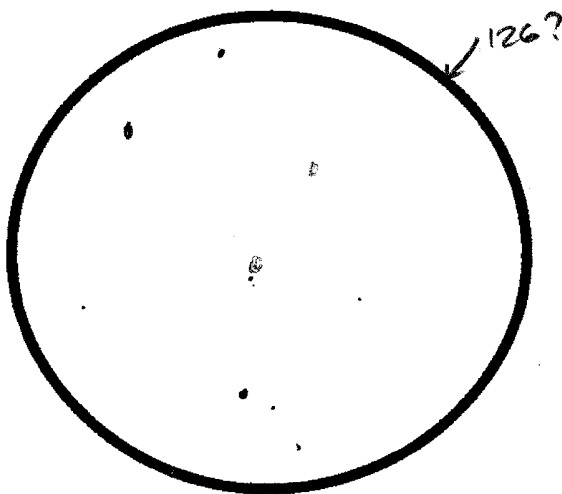
Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Quasars? NGC 126

Description \_\_\_\_\_

# Observing Log

Object type: Galaxy

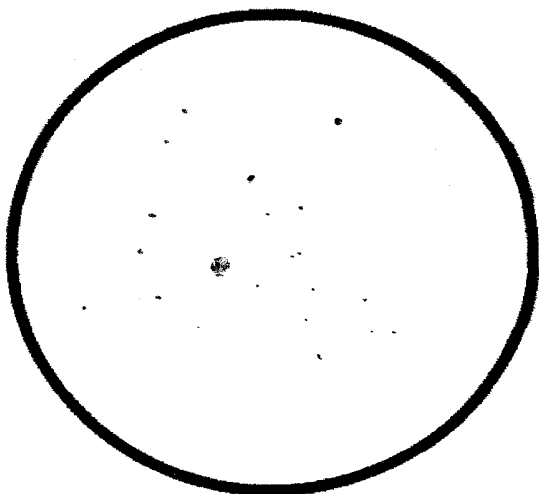
H2

Object ID: NHe 125

Const.: Psc

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

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



Observer B Yank

Date 9/1/8

Time 2:10

Location RMCE

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

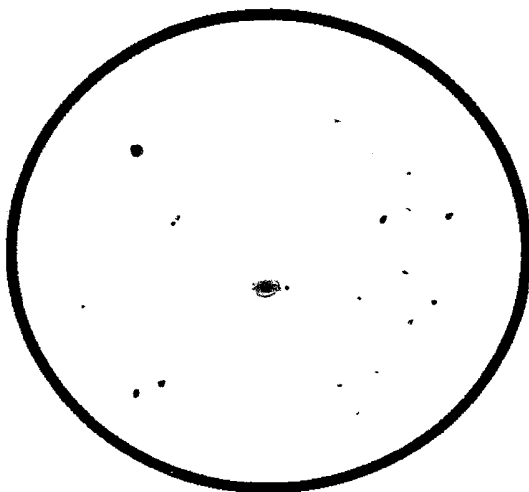
HR

Object ID: NHE 151

Const.: Cet

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

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



Observer B. Yant

Date 9/29/8

Time 4:00 AM

Location OTex

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required? use
- What is the overall shape? oval
- Is a core noticeable? Yes
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

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



# Observing Log

Object type: Galaxy

Object ID: NGC 175

H2

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

Observer B. YOUNG

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

Date 10/1/8

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

Time 5:00 UT

Location Okie-Tex

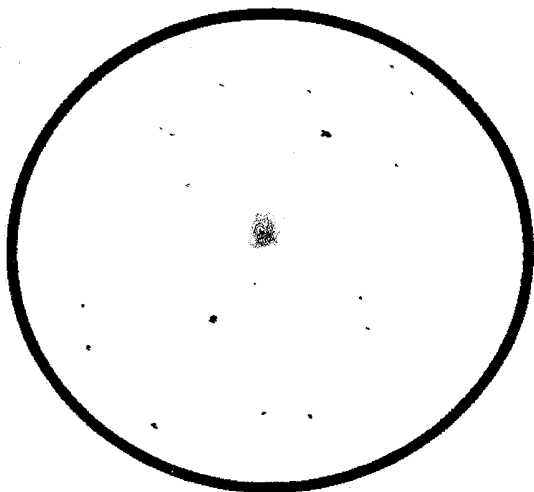
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Hints
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NBC 198/200

198=H2

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

Observer B Yant

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

Date 9/1/8

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

Time 2:20

Location RMCE

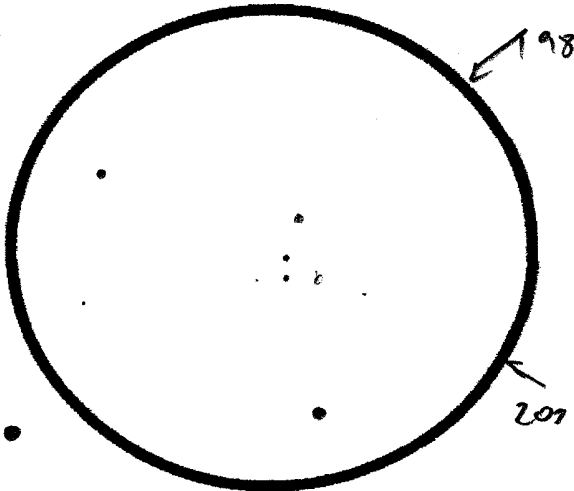
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? ovals
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

Object type: Nebula

Object ID: NHC 206

#2

Const.: Amh

Observer B. Young

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

Date 7/1/8

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

Time 3:30 CDT

Location Adams Ranch

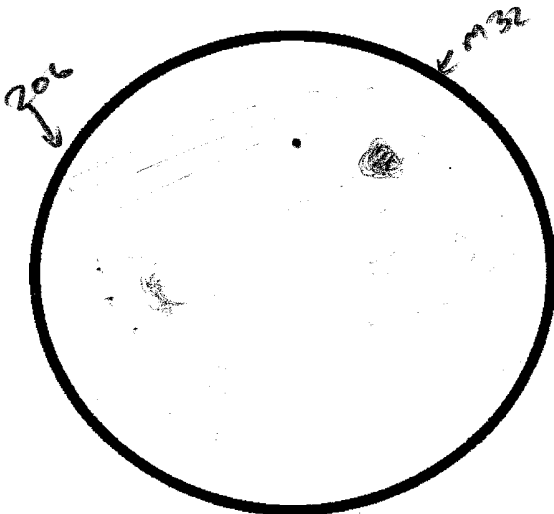
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this nebula be seen with direct vision, or is use averted vision required?
- Is there an overall shape of the object or is it simply irregular? O
- Is any part of the outer edge of the nebula sharply defined? Not really
- Is any part of the nebula brighter or more concentrated? Fairly even
- Is there any particular area where you notice an absence of stars in this cluster? - M31
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? M31
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? M32/M31

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

# Observing Log

Object type: Nebula

H2

Object ID: NGC 214

Galaxy

Const.: And

Observer B. Young

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

Date 7/1/8

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

Time 3:30 CDT

Location Adams Ranch

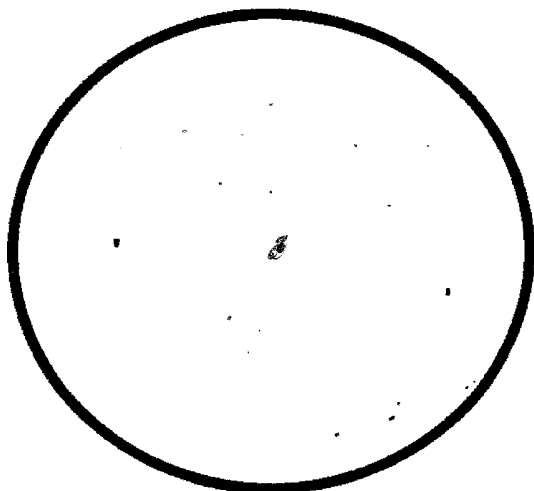
Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? 2x1 elong
- Is any part of the outer edge of the nebula sharply defined? Fairly well
- Is any part of the nebula brighter or more concentrated? Compact
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

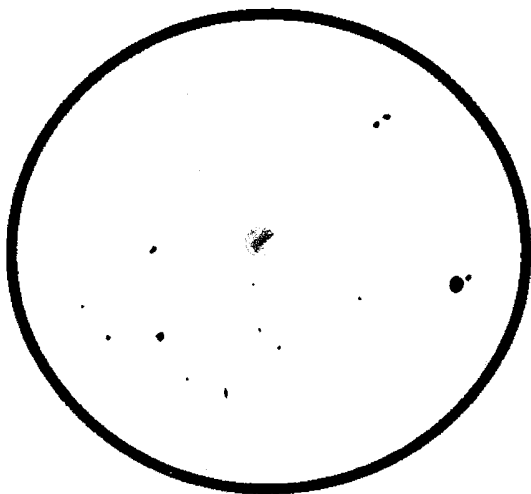
H2

Object ID: NGC 217

Const.: Cet

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

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



Observer B. Young

Date 9/29/8

Time 4:10

Location OTex

Seeing II Transparency F-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Needle
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

well, may be  
a halo  
Barred?

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

# Observing Log

Object type: Galaxy

Object ID: NGC 315

H2

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

Observer B. Yank

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

Date 9/30/8

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

Time 3:30 AM

Location Ohio-Tex

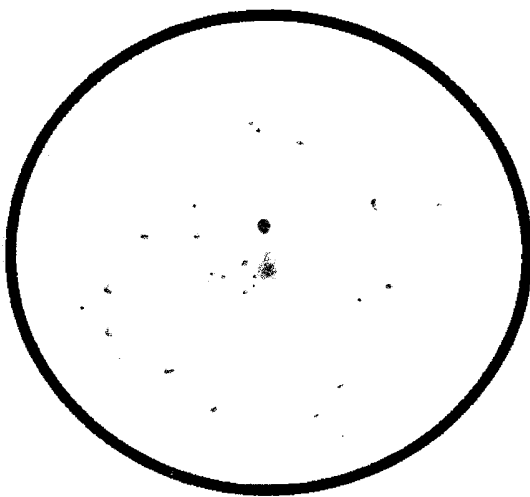
Seeing I- Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.5 Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

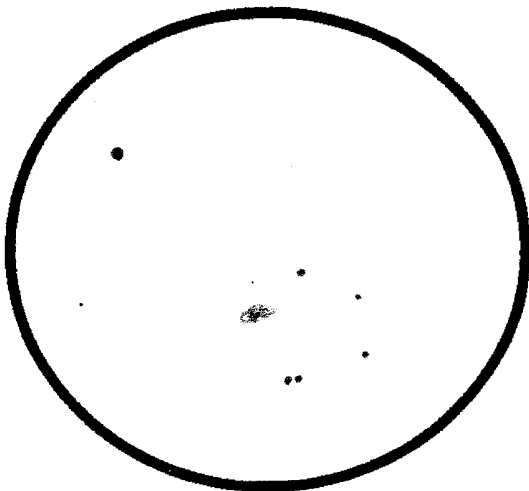
H2

Object ID: N6c 337

Const.: Cet

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

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



Observer B. Young

Date 9/29/8

Time 4:30 UT

Location Okie-Tex

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? cloud
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Nice & big

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

# Observing Log

Object type: Galaxy

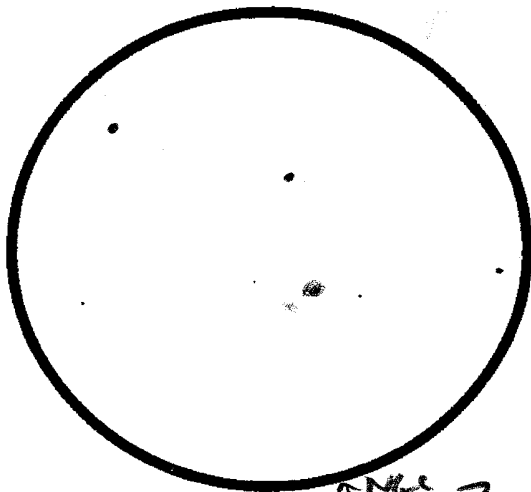
H2

Object ID: NGC 357

Const.: Cen

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

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



Observer B. Young

Date 9/29/8

Time 4:50

Location OT

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 355?

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



# Observing Log

Object type: Galaxy

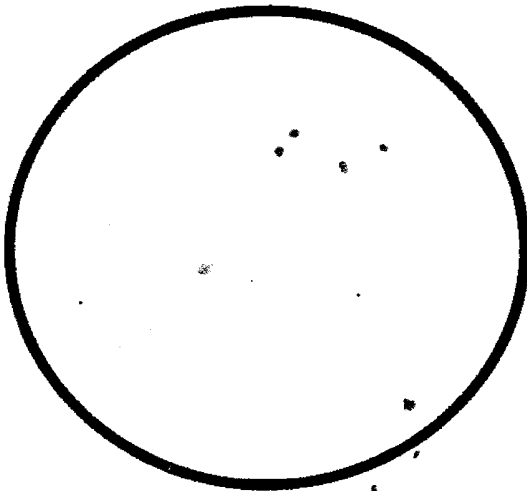
H2

Object ID: NHC 410

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

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

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



Observer B. Young

Date 9/30/8

Time 3:10 UT

Location Shore-Tex

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view 1° Power 36

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? Round
- Is a core noticeable? y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

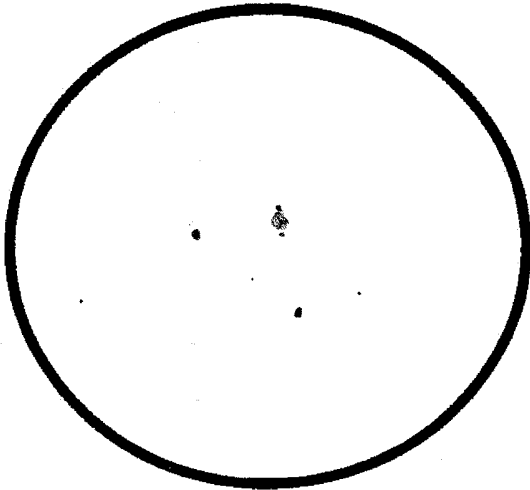
H2

Object ID: NGC 428

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

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

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



Observer B. YOUNG

Date 10/1/8

Time 4:30 UT

Location Okie-Tex

Seeing I- Transparency I-

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

H2

Object ID: Ngc 499 + 495 & 496

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

Observer Br Yount

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

Date 9/30/8

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

Time 4:00 UT

Location Chile

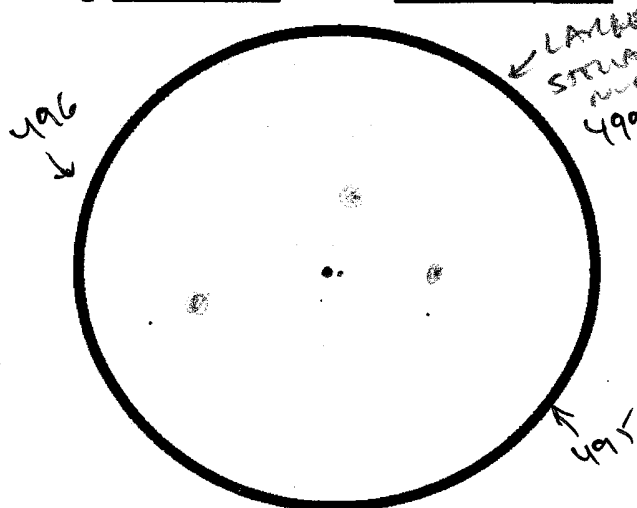
Seeing I- Transparency I

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view 0.5 Power 75



- Can this galaxy be seen with 3 direct vision, or is averted vision required?
- What is the overall shape? Ell oval / round
- Is a core noticeable? (from left) No, yes, yes
- Is the core compact or stellar? No, stellar, stellar
- Can any detail be seen between the core and the outer envelope of the object? Some hints in middle one
- Are the edges of the outer envelope corned sharp or diffuse? Left
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? These 3

Description ONE OF THESE 3

# Observing Log

Object type: Galaxy

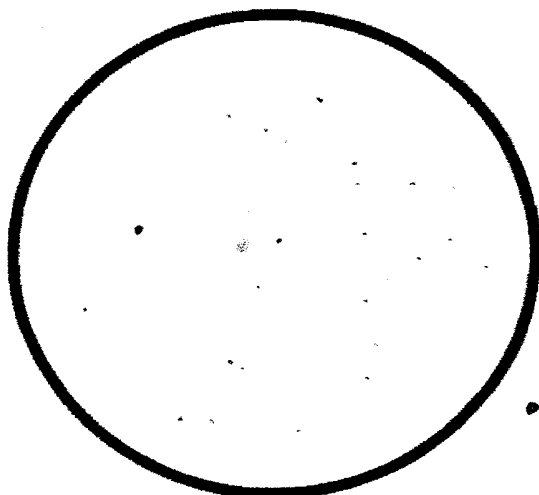
142

Object ID: N/C 573

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

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

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



Observer \_\_\_\_\_

Date 9/1/8

Time 12:15

Location \_\_\_\_\_

Seeing II Transparency II-

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? \_\_\_\_\_
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NBC 574

H 2

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

Observer B. YOUNG

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

Date 9/30/8

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

Time 4:45 UT

Location Olwe-Tex

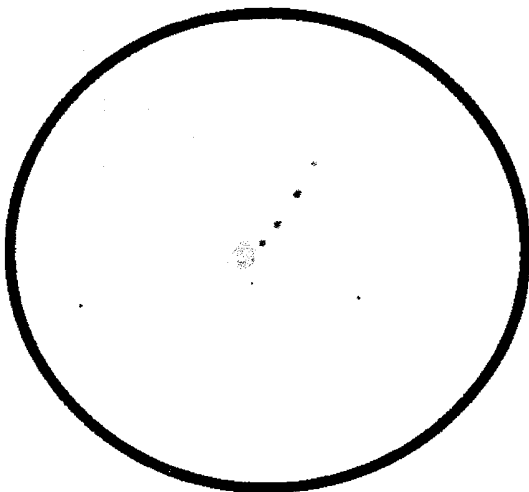
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0°.5 Power 75



- Can this galaxy be seen with direct vision, or is we averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy (NEBULA)

H2

Object ID: NGC 604

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

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

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

Observer B. YOUNG

Date 10/2/8

Time 3:00 UT

Location Ohre-Tex

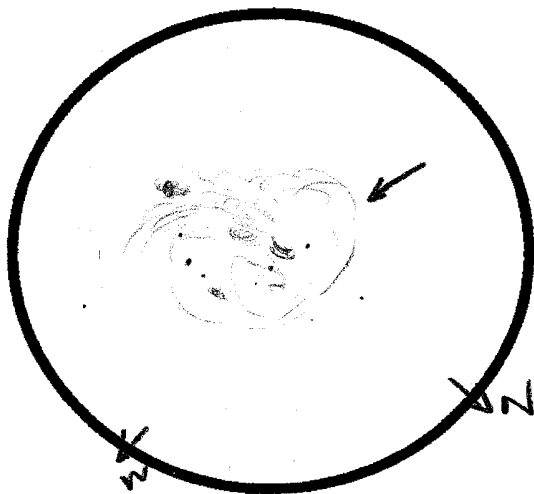
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this ~~galaxy~~<sup>use</sup> be seen with direct vision, or is averted vision required?
- What is the overall shape? oblong
- Is a core noticeable? X
- Is the core compact or stellar? X
- Can any detail be seen between the core and the outer envelope of the object? X
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? M33 + 2 other "patches"

Description I can't draw this - it had to be seen to be believed!

# Observing Log

Object type: Galaxy

Object ID: N6C 636

H2

Const.: Cet

Observer B Yount

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

Date 9/29/8

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

Time 5:00

Location OTex

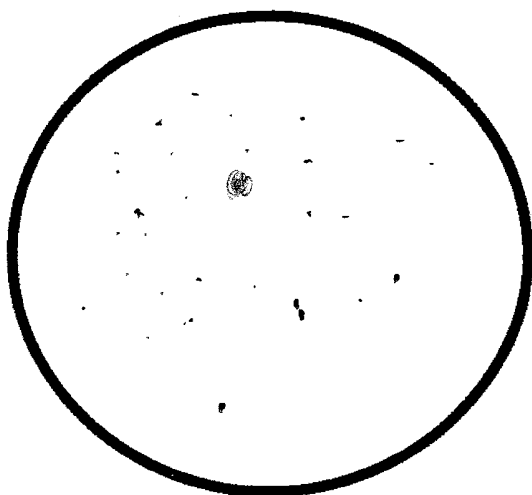
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? ~
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? —
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NBC 660

H2

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

Observer B. Young

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

Date 9/30/8

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

Time 4:15 A

Location Okie-Tex

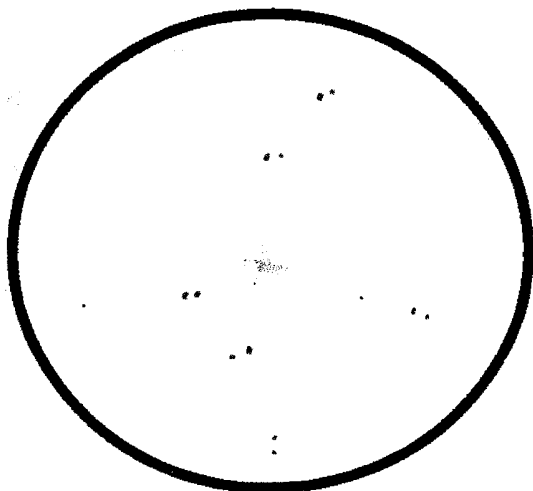
Seeing I- Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0°.5 Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Bar + Halo
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Bar
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Bar
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description M74 on way - glorious



# Observing Log

Object type: Galaxy

Object ID: NBC 665

42

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

Observer B. Young

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

Date 9/30/8

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

Time 5:00 UT

Location Olwe-Tex

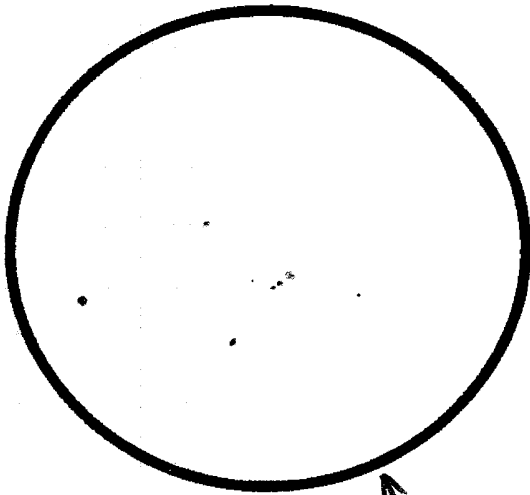
Seeing I Transparency I

Instrument Xr-12

Size 12

Eyepiece 42

Field of view 1° 0 Power 36



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: N6C 672

#2

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

Observer B. YOUNG

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

Date 10/2/8

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

Time 4:15 UT

Location Onie-Tex

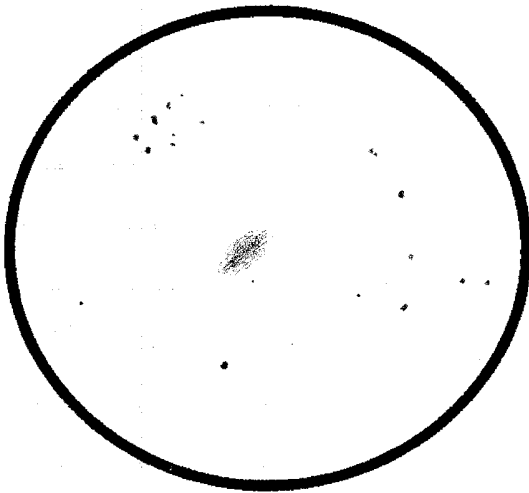
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Hamburger
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? Yes, Equatorial
- Are the edges of the outer envelope sharp or diffuse? Line
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No but

Description Cr21 2 N6C 684 on way

nice ring  
w/ 2 w/ 2 w/ 2

hint of glow

# Observing Log

Object type: Galaxy

Object ID: NGC 706

H2

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

Observer B. Yane

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

Date 9/30/8

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

Time 5:20 A

Location Ohio-Tex

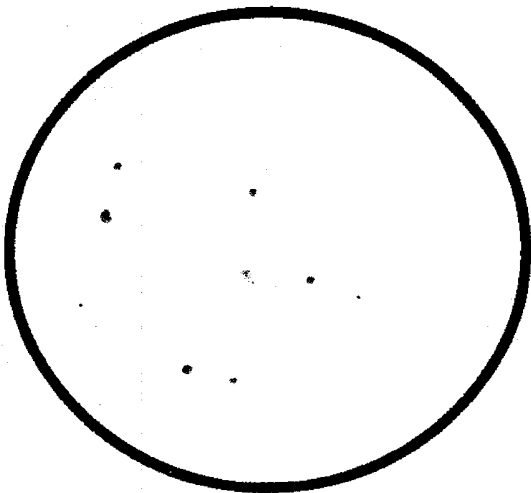
Seeing I Transparency I

Instrument Xt-12

Size 12

Eyepiece 42

Field of view P.O Power 36x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? None
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 718

H2

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

Observer B. Young

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

Date 10/1/8

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

Time 3:40 AM

Location Ohre-Tex

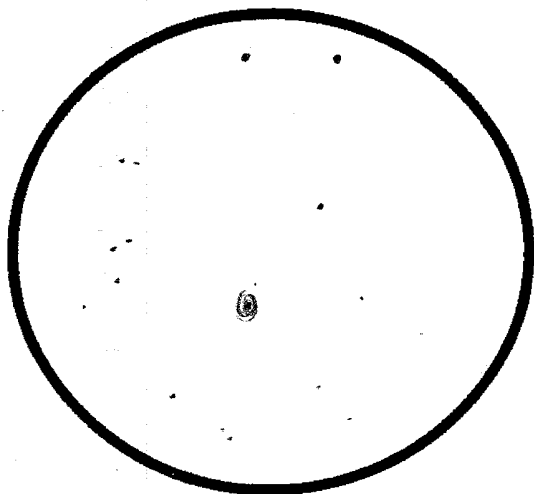
Seeing I- Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

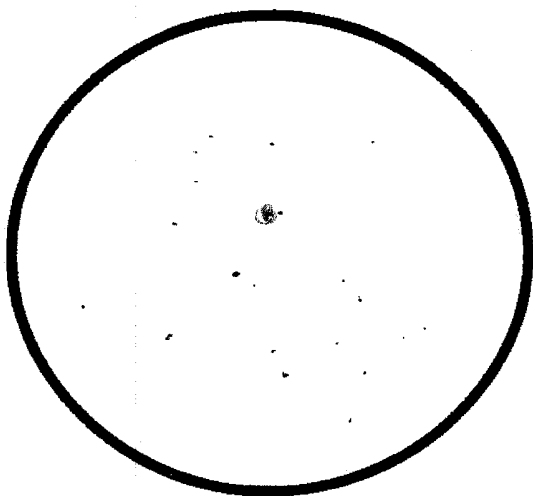
Object type: Galaxy

Object ID: N6c 741

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

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

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



Observer B. YOUNG

Date 10/1/8

Time 3:25 UT

Location Okie-Tex

Seeing I- Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

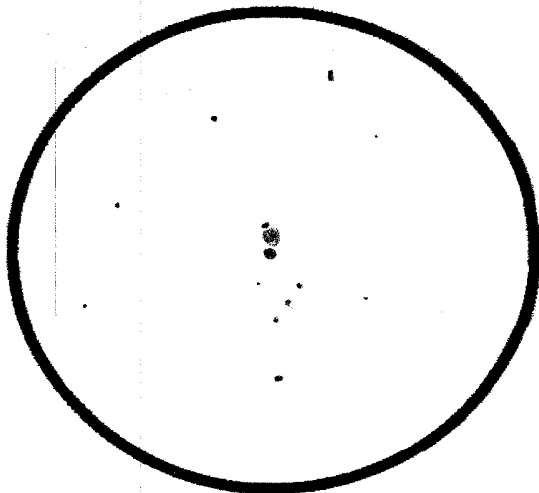
H2

Object ID: N6C 521

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

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

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



Observer B. YOUNG

Date 10/1/8

Time 3:15 UT

Location Olwe-Tex

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with ~~direct vision~~ or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? F. S.

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

# Observing Log

Object type: Galaxy

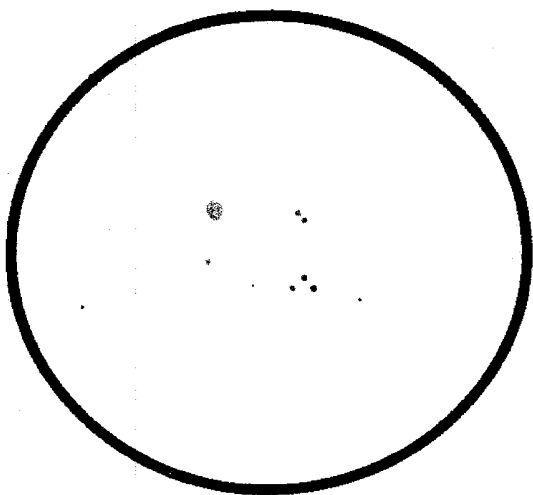
#2

Object ID: NGC 890

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

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

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



Observer B. Young

Date 10/2/8

Time 3:25 UT

Location Okie-Tex

Seeing I Transparency I

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Nebula

H2

Object ID: NGC 896

Const.: Cas

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

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

Observer B. Young

Date 7/1/8

Time 2:45 CDT

Location Adams Ranch

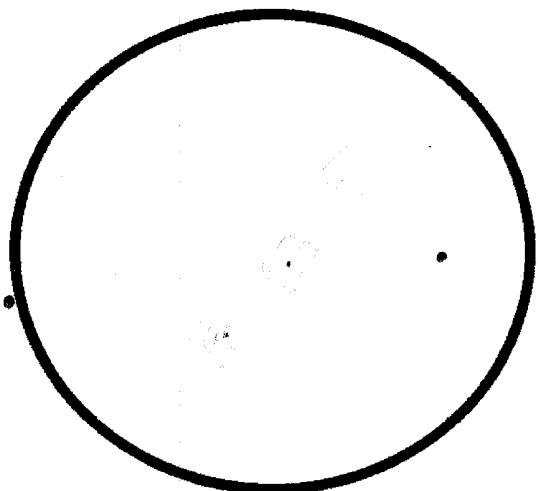
Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X



- Can this nebula be seen with direct vision, or is use averted vision required?
- Is there an overall shape of the object or is it simply irregular? 3 nodules
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? 3 pieces
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? ?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Galaxy

Object ID: NGC 925

H2

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

Observer B. Young

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

Date 10/2/8

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

Time 3:45 UT

Location Olwe-Tex

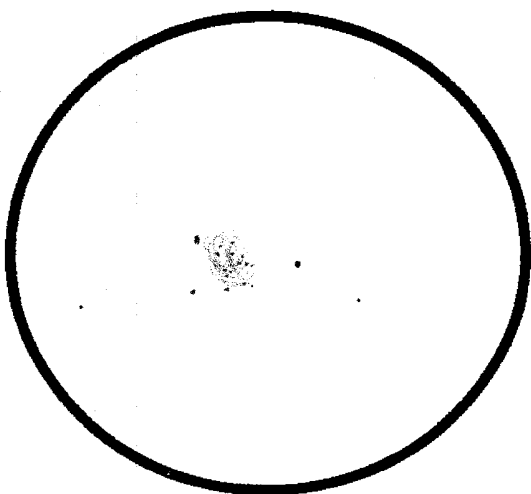
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Large & loose
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? Tons of stars
- Are the edges of the outer envelope sharp or a bit diffuse? on face
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes ✓
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description It was a  
Kc thought loose globular

# Observing Log

Object type: Galaxy

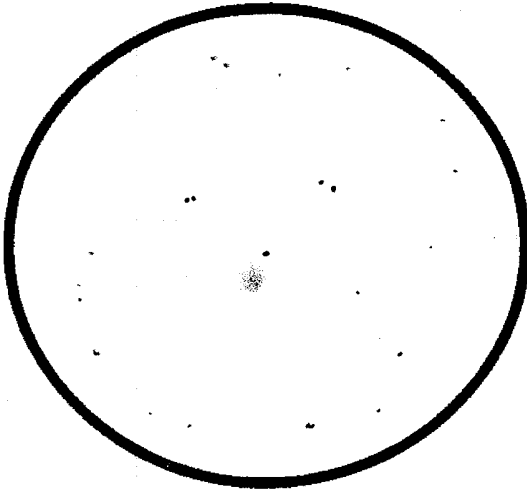
H2

Object ID: NGC 991

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

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

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



Observer B. Young

Date 10/1/8

Time 7:00 UT

Location Ohie-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Barely
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 1012

112

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

Observer B. Young

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

Date 10/2/8

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

Time 4:30 UT

Location Ohio-Tex

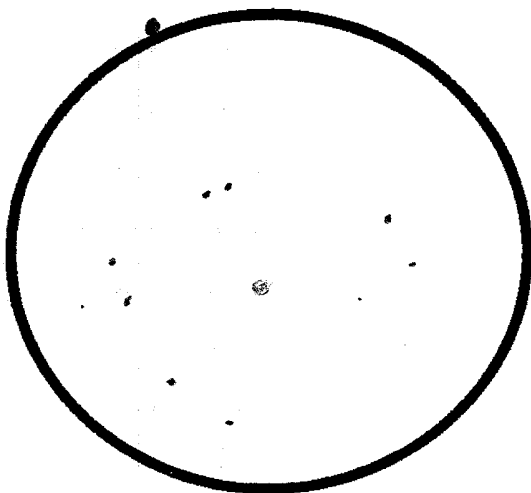
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? A bit
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

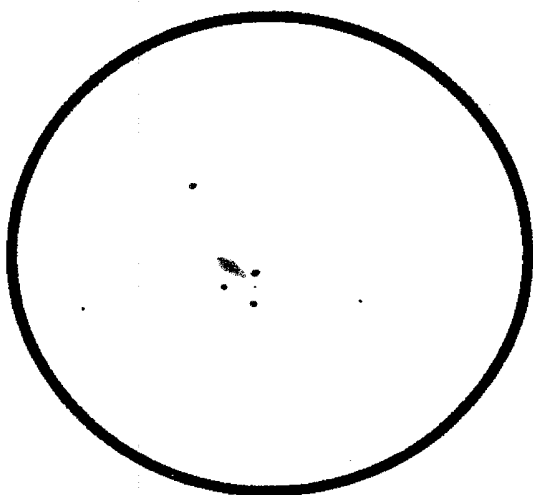
H2

Object ID: N6C 1032

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

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

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



Observer B. Young

Date 10/1/8

Time 8:55 UT

Location Ohio-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 50

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? lent
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? some hints of mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

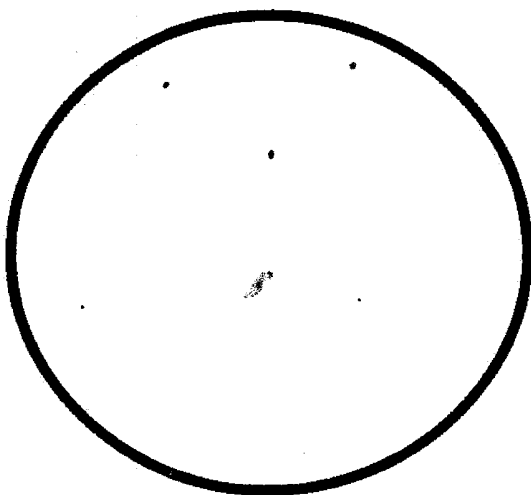
H2

Object ID: NGC 1035

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

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

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



Observer B. Young

Date 10/1/8

Time 6:15 UT

Location Olwe-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Cigar
- Is a core noticeable? y
- Is the core compact or stellar? v/smr wedge
- Can any detail be seen between the core and the outer envelope of the object? no lumpy
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? 5
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

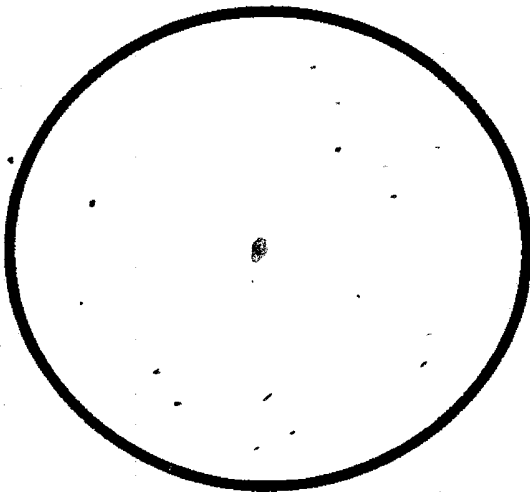
H2

Object ID: NGC 1045

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

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

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



Observer B. Young

Date 10/1/8

Time 5:50 A

Location Ohio-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? A bit
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

## HERSCHEL OBSERVATIONS

H2

NOC 1058		SITE Dirt Tex	SEEING II	TRANS II
CONST Per		INSTR XT-12	EYEPiece 2x42	POWER 75
		COMMENTS Only, no nuc, some mottling near center		
DATE 10/3/8				
TIME 3:154				
NOC		SITE	SEEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NOC		SITE	SEEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NOC		SITE	SEEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				

35

# Observing Log

Object type: Galaxy

Object ID: NGC 1060

A2

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

Observer B. Young

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

Date 10/2/8

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

Time 3:55 UT

Location Ohio-Tex

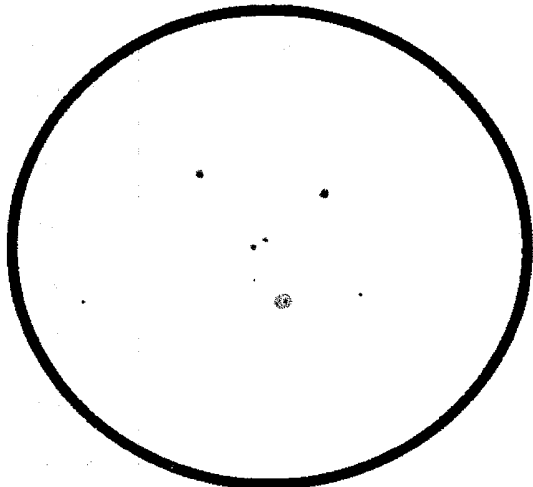
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Galaxy

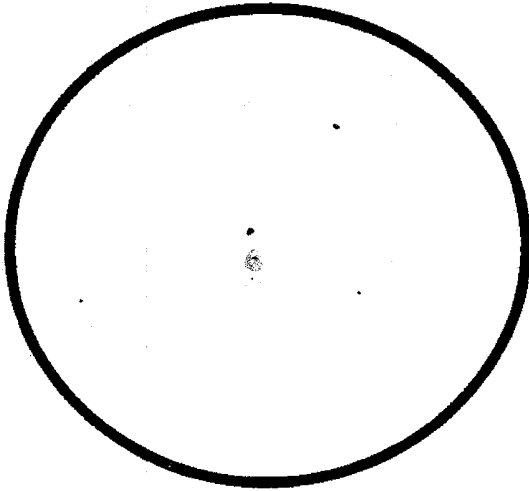
H2

Object ID: N6C 1070

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

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

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



Observer B. Young

Date 10/1/8

Time 7:10 UT

Location Oh-e-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: Ngc 1073

112

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

Observer B. Yank

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

Date 10/1/8

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

Time 7:30 UT

Location Okie-Tex

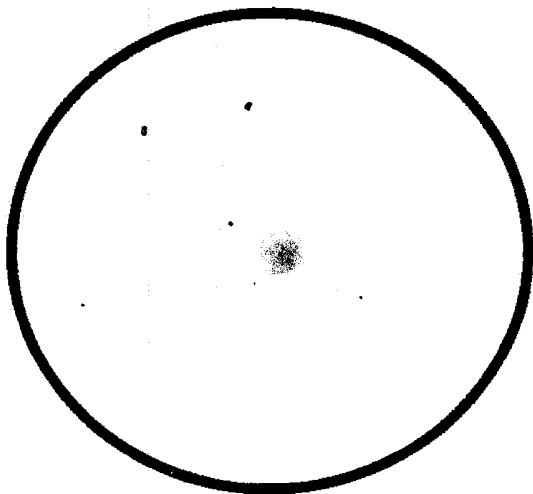
Seeing ± Transparency ±

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is <sup>vse</sup>averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Brchly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Yes, some mottling
- Are the edges of the outer envelope sharp or a bit diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes, some mottling
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Bigger than last few!

# Observing Log

Object type: Galaxy

Object ID: N6C 1090/1087

142

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

Observer B. Young

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

Date 10/2/8

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

Time 3:15 UT

Location Ohio-Tex

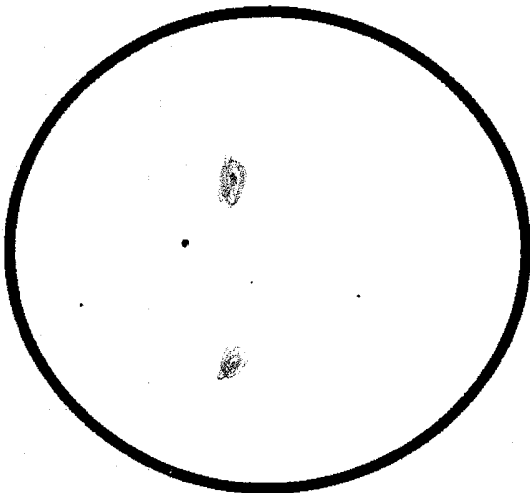
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? oval, less oval
- Is a core noticeable? No's
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? Some hints
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? ↗
- Are there any other deep-sky objects in the same field of view? If so, what? Each other &

Description M77, NGC1055, NGC1072 (barney) on way ←

## HERSCHEL OBSERVATIONS

H2's

NOC	1114		SITE	Ohio-Tex	SEING	I	TRANS	I
CONST			INSTR	XT-12	EYEPiece	2x42	POWER	75
			COMMENTS					
			Small oval, no nvc					
DATE	10/2/8							
TIME	8:40 AM							
NOC	1421		SITE	" "	SEING	" "	TRANS	" "
CONST			INSTR	" "	EYEPiece	10	POWER	150x
			COMMENTS					
			NICE BLOND w/ center					
			BUTTER MORTAR IN ARCS					
DATE	10/2/8							
TIME	8:50 AM							
NOC	1779		SITE	" "	SEING	" "	TRANS	" "
CONST			INSTR	" "	EYEPiece	2x42	POWER	75x
			COMMENTS					
			TINY, NO NVC OR DETAILS					
DATE	10/2/8							
TIME	9:00 AM							
NOC			SITE		SEING		TRANS	
CONST			INSTR		EYEPiece		POWER	
			COMMENTS					
DATE								
TIME								

40

# Observing Log

Object type: Galaxy

Object ID: NGC 1156

#2

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

Observer B. YOUNG

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

Date 10/2/8

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

Time 4:50 AM

Location Olwe-Tex

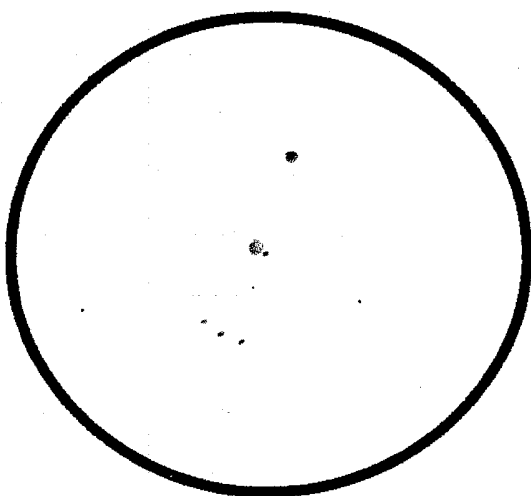
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 1160/1161

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

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

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

Observer B. Yang

Date 10/2/8

Time 6:30 AM

Location Ohre-Tex

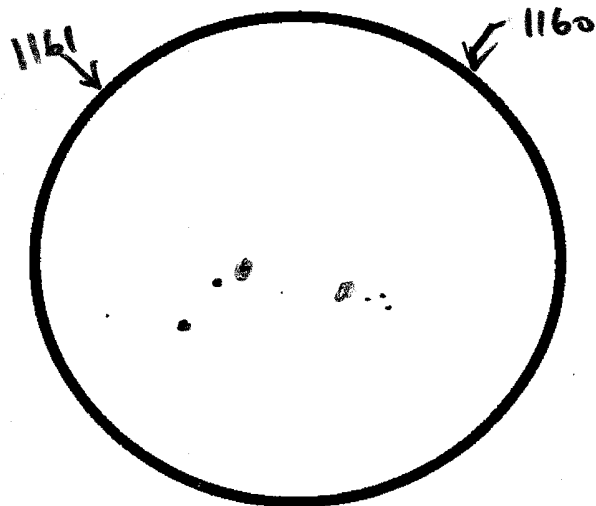
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? ovals
- Is a core noticeable? Yes 1161 No 1160
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? 1161 1160
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description \_\_\_\_\_

# Observing Log

Object type: Galaxy

*answered*

Object ID: NGC 1162

H2

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

Observer B. Young

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

Date 10/2/8

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

Time 7:00 UT

Location Onie-Tex

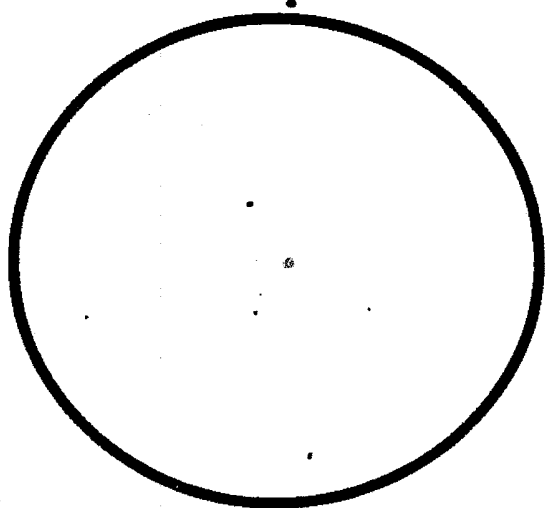
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 78



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? sharp
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description LISTED IN PERSEUS - ACTUALLY IN

ERIDANUS

1 STAND CORRECTED - DIAMETER 78

# Observing Log

Object type: Galaxy

Object ID: NGC 1169

H2

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

Observer B. Young

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

Date 10/2/8

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

Time 6:45 UT

Location Okie-Tex

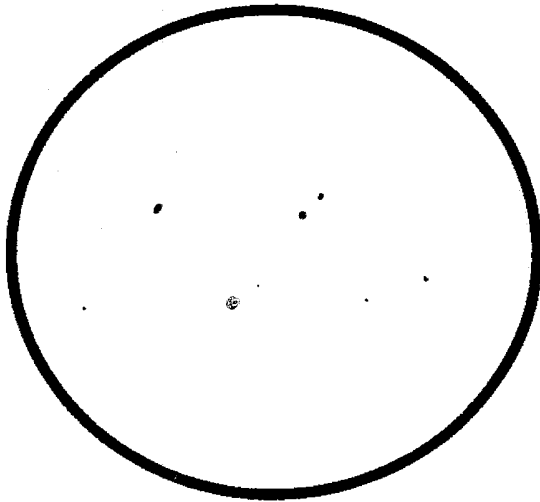
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Galaxy

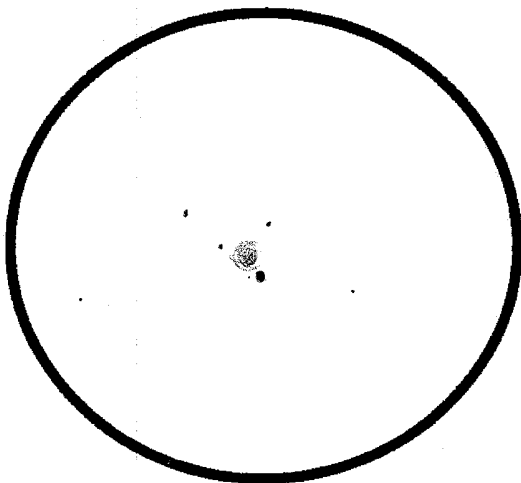
H2

Object ID: N6e 1172

Const.: EM

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

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



Observer B. Young

Date 2/9/8

Time RMCC

Location 9:00 CST

Seeing II Transparency II

Instrument X712

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 25

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? slightly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? slight
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 1175

42

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

Observer B. Yank

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

Date 10/2/8

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

Time 6:00 AM

Location Ohre-Tex

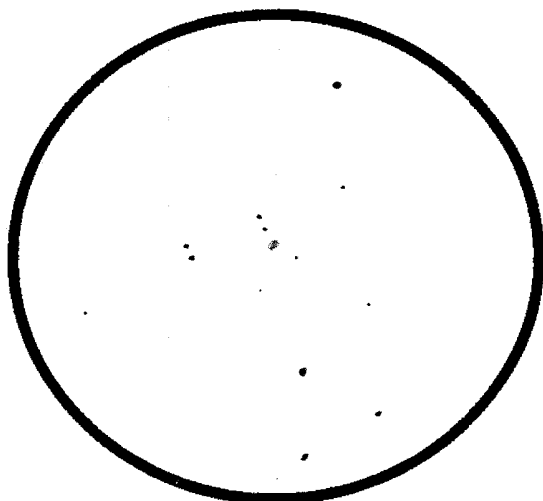
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Guess
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? YES
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description even dimmer!

# Observing Log

Object type: Galaxy

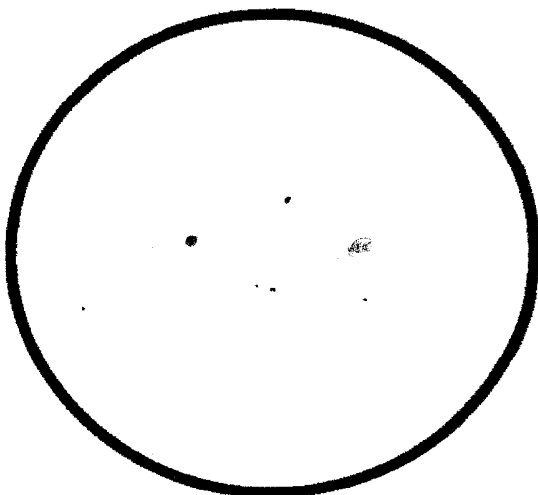
42

Object ID: NGC 1184

Const.: Cep

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

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



Observer B. Young

Date 1/2/19

Time 7:20pm

Location RMCC

Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope ok sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Bluish glow - KC confirmed

47

Object ID: NGC 1187

HC

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

Observer B. Young

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

Date 9/30/8

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

Time 6:20 AM

Location Ohio-Tex

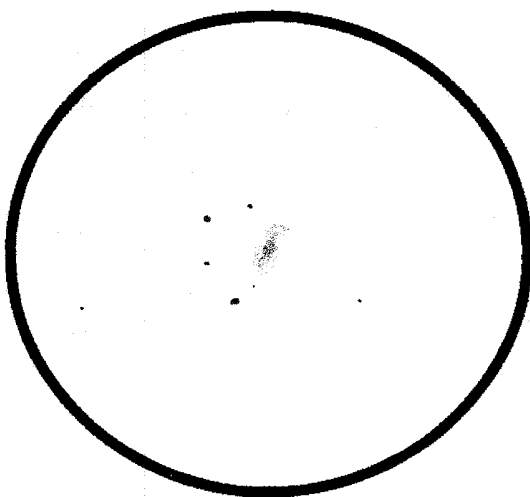
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.5 Power X



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope mel sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

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

Object ID: NGC 1193

H2

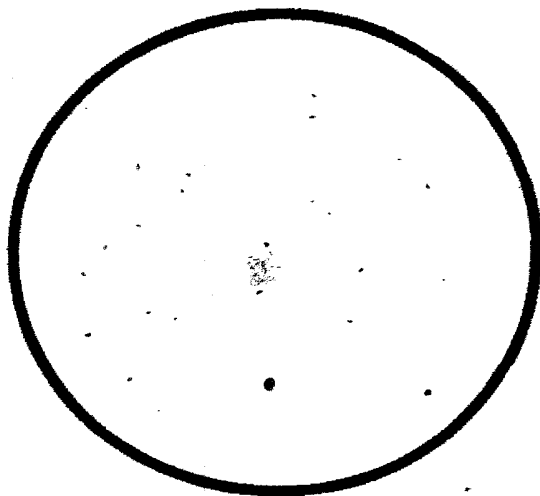
Const.: \_\_\_\_\_

Observer B. YOUNG

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

Date 10/2/8

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

Time 5:00 UTLocation Okie-TexSeeing I Transparency IInstrument XT-12Size 12Eyepiece 2x42Field of view \_\_\_\_\_ Power 75

- Can this cluster be easily distinguished from the background stars? No - hm
- What is the overall shape of the object? Rand
- 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 lots 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Observing Log  
Object type: Galaxy

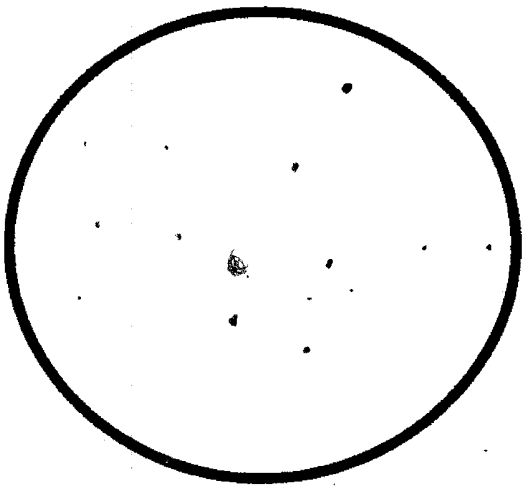
42

Object ID: N6C 1199

Const.: ERI

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

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



Observer B. Young

Date 2/9/8

Time 9:10 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2x

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? stellar
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Don't see other

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

50

# Observing Log

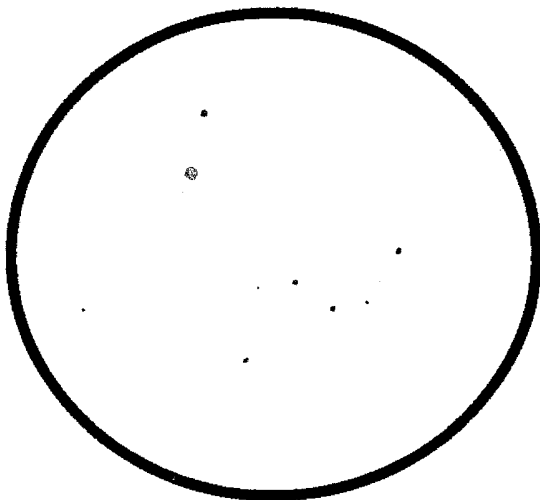
Object type: Galaxy

Object ID: Ngc 1207

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

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

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



Observer B. Young

Date 10/2/8

Time 5:50 AM

Location Ohio-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyeiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? No
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Dimmer yet!

# Observing Log

Object type: Galaxy

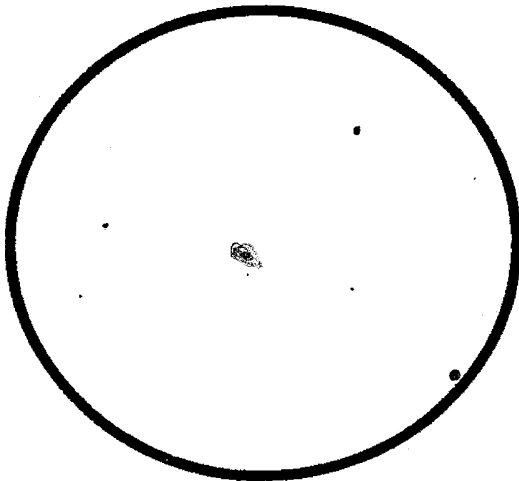
HZ

Object ID: NLC 1209

Const.: ERI

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

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



Observer B. Young

Date 2/9/8

Time 9:20 CST

Location RMCC

Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? long 2:1
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

52



# Observing Log

Object type: Galaxy

Nor AN HZ

?

Object ID: NCC 13008 1297

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

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

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

Observer B. Young

Date 9/30/8

Time 6:50 UT

Location Oliver Tex

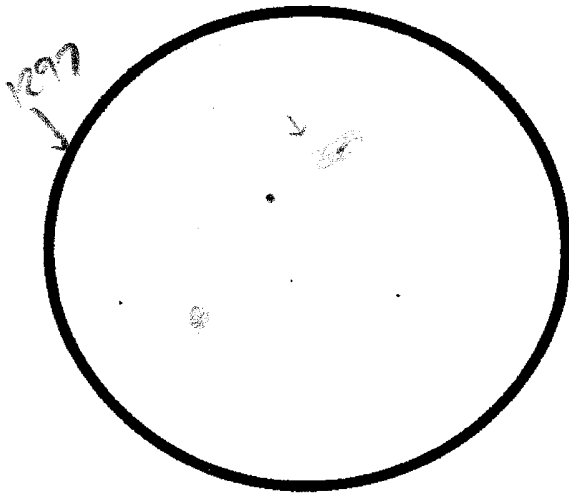
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 42

Field of view 1.0 Power 36



- Can this galaxy be seen with 1300 direct vision, or is 1297 averted vision required?
- What is the overall shape? 2x1 ellipse, round
- Is a core noticeable? yes/no
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? yes, no
- Are the edges of the outer envelope sharp or diffuse? E side of 1300 W side 1300, 1297
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? Ench other

Description Hints of dim diffuse sweep off  
1300 side

# Observing Log

Object type: Galaxy

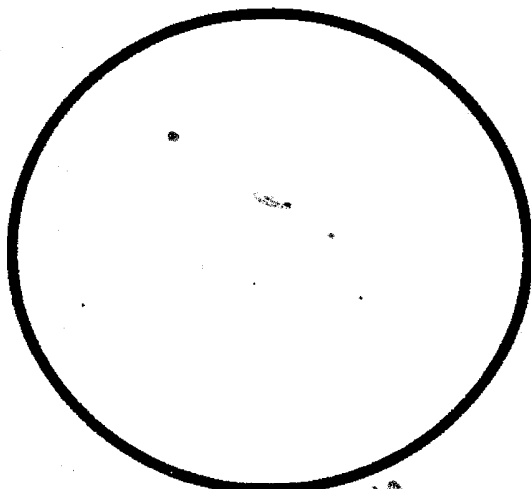
H2

Object ID: N6C 1325

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

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

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



Observer Bi Yount

Date 9/30/8

Time 8:00 AM

Location Ohio - Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.5 Power 75

- Can this galaxy be seen with direct vision, or is averted vision required? 1319
- What is the overall shape? Almost a needle, on a faint f.s.
- Is a core noticeable? No
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 1319, glimpsed

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

54

# Observing Log

Object type: Galaxy

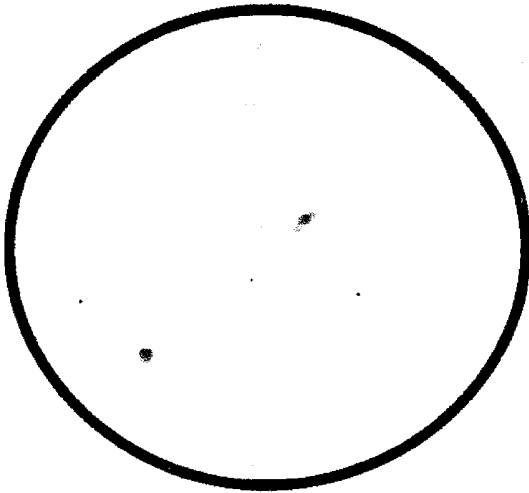
H2

Object ID: NbC 1332

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

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

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



Observer B. Young

Date 9/30/8

Time 7:40 UT

Location Olwe-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0°.3 Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? h
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

55

# Observing Log

Object type: Open Cluster

#2

Object ID: NGC 1348

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

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

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

Observer B. YOUNG

Date 10/3/8

Time 3:25 UT

Location Oliver-Tex

Seeing II Transparency II-

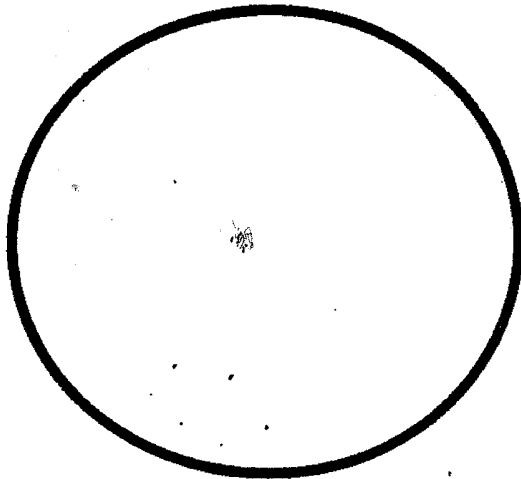
Instrument XT-12

Size 12

Eyepiece 2X 42

Field of view \_\_\_\_\_ Power 75X

LOTE 150X



- Can this cluster be easily distinguished from the background stars? on
- What is the overall shape of the object? roundish box
- 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? N
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

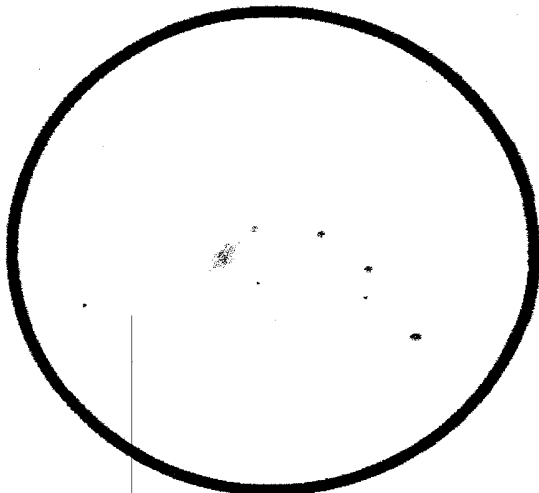
Object type: Galaxy

Object ID: NGC 1353

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

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

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



Observer B. Young

Date 9/30/8

Time 8:30 UT

Location Okie-Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.5 Power 75

- Can this galaxy be seen with direct vision, or is Use averted vision required?
- What is the overall shape? Football
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? —
- Are there any other deep-sky objects in the same field of view? If so, what? —

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

# Observing Log

Object type: Galaxy

H2

Object ID: NBC 1400 + 1407 + 1402

Const.: Eni

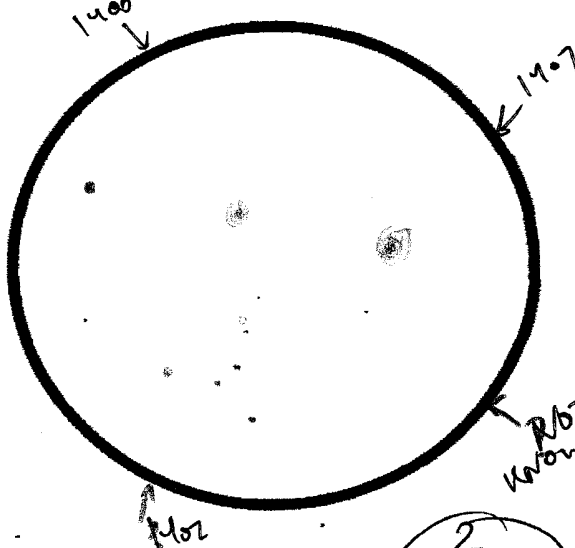
Observer B. Young

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

Date 9/30/8

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

Time 9:00 UT



Location Onic-Tex

Seeing I Transparency ±

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view 0.5 Power 75

• Can this galaxy be seen with 2 direct vision, or is 2 averted vision required?

• What is the overall shape? Round

• Is a core noticeable? Yes/yes/no/no (2 bright, 2 dim)

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object? Only in brightest

• Are the edges of the outer envelope 2 sharp or 2 diffuse? one, some unevenness to glow

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?

• Are there any other deep-sky objects in the same field of view? If so, what? 4 galaxies

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

# Observing Log

Object type: Nebula

Object ID: NGC 1491

H2

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

Observer B. YOUNG

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

Date 10/3/8

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

Time 3:35 J5

Location Olwe-Tex

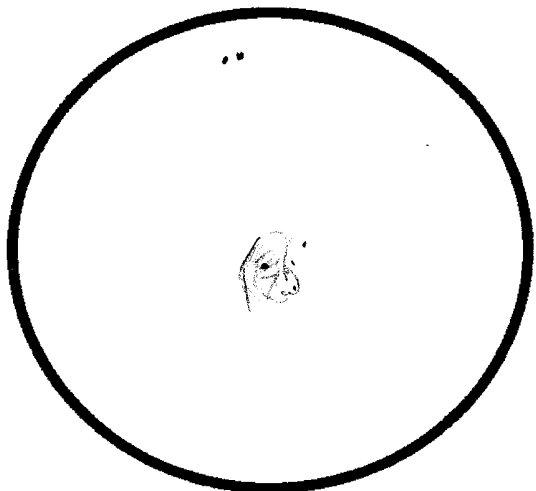
Seeing II Transparency II-

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? South of star
- Is any part of the nebula brighter or more concentrated? Around star
- Is there any particular area where you notice an absence of stars in this cluster? X
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 1507

H2

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

Observer B. Yow

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

Date 10/2/8

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

Time 7:15 UT

Location Oliver-Tex

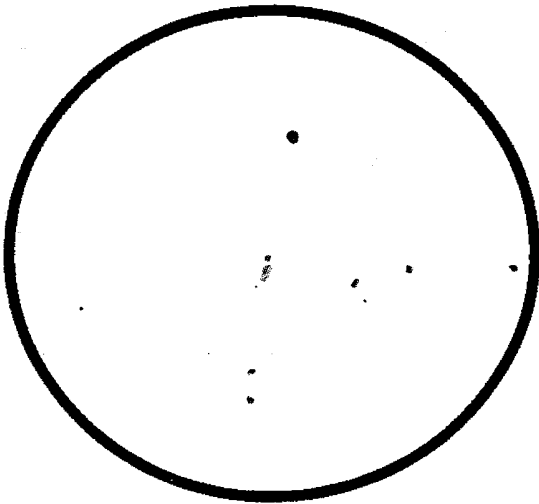
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Tipped
- Is a core noticeable? Not really
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Planetary Nebula

PNOG  
ADV

FNge 23

COPY FOR  
PNOG

Object ID: NBC 1514

Const.: Tau

RA: Dec.:

Mag: Size:

Observer BY

Date 3/11/15

Time 9:20 CST

Location RMCE

Seeing III Transparency II

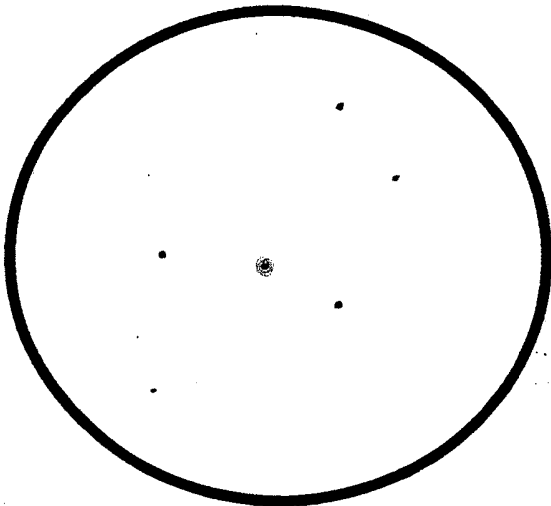
Instrument ETX

Size 125

Eyepiece 25

Field of view Power 73

w/NE



- What is the overall shape? Glow on 9m star
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? sl. blue
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges? some hint brighter in C-
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? esp. @ 190A
- Are there any other deep-sky objects in the same field of view? If so, what? No. Power tends to draw everything out detail

Description V-V=2A M=1

# Observing Log

Object type: Nebula

H2

Object ID: NGC 1579

Const.: Per

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

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

Observer B. Young

Date 11/26/08

Time 8:45 CST

Location RMCC

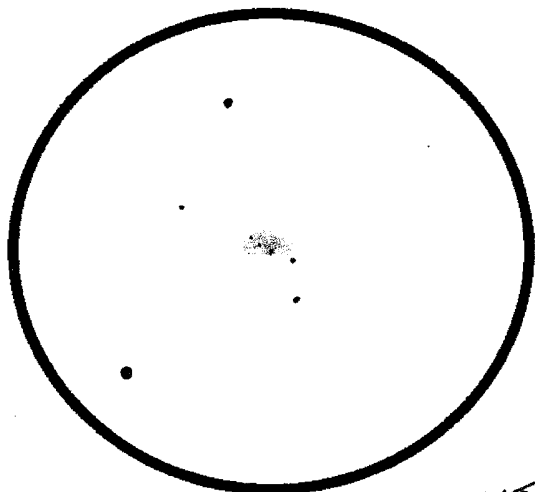
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this nebula be seen with direct yes but use vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Bar-shape
- Is any part of the outer edge of the nebula sharply defined? Not too much
- Is any part of the nebula brighter or more concentrated? One area near center
- Is there any particular area where you notice an absence of stars in this cluster? only 3 stars
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? 3
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

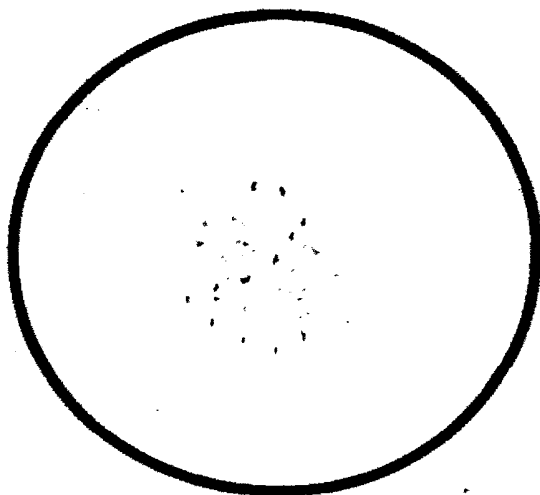
Observing Log  
Object type: Open Cluster

Object ID: NGC 1582

Const.: Per

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

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



Observer B. Young

Date 11/26/8

Time 8:30 CST

Location RMCC

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? Yes
- What is the overall shape of the object? 2 backward's
- 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 hint 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? NGC 1606 nearby

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

ARC #2

# HERSCHEL OBSERVATIONS

NOC 5985		SITE RMCC	SEEING II	TRANS II
CONST Dra		INSTR 12"	EYEPiece 2x42	POWER 75x
		COMMENTS Amorphous blob - seen but no details		
DATE 11/2/8				
TIME 2:30 AM				
NOC 6015		SITE RMCC	SEEING II	TRANS II
CONST Dra		INSTR 12"	EYEPiece 2x42	POWER 75
		COMMENTS k7 like shape - no nvc Edges ok sharp		
DATE 11/2/8				
TIME 2:40 AM				
NOC 6340		SITE RMCC	SEEING II	TRANS II
CONST		INSTR 12"	EYEPiece 2x42	POWER 75x
		COMMENTS Nice ellip w/nvc & fade edges		
DATE 11/2/8				
TIME 2:50 AM				
NOC 1587		SITE RMCC	SEEING II	TRANS II
CONST TAV		INSTR 12"	EYEPiece 42mm	POWER 37x
		COMMENTS Med size oval glow - no detail - don't push power		
DATE 11/2/8				
TIME 5:20				

64

# Observing Log

Object type: Galaxy

Object ID: NGC 1600

Hz

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

Observer B. Young

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

Date 10/2/18

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

Time 7:25 UT

Location Onice - Tex

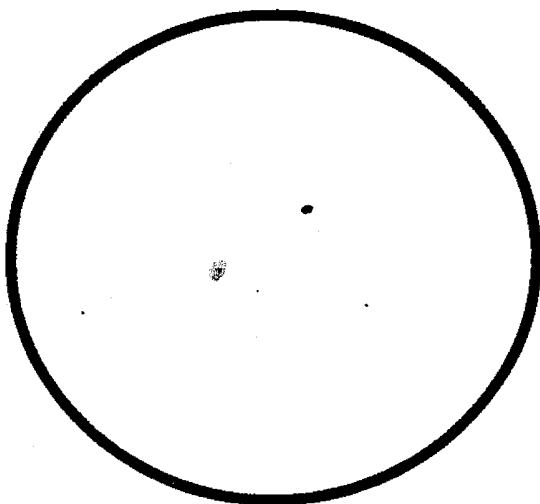
Seeing I Transparency I

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? N
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? N
- Are there any other deep-sky objects in the same field of view? If so, what? N

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

# Observing Log

Object type: Nebula OR OPEN CLUSTER? H2

Object ID: NGC 1605

Const.: Per

RA: Dec.:

Mag: Size:

Observer B. Young

Date 11/26/08

Time 8:30 pm CST

Location RMce

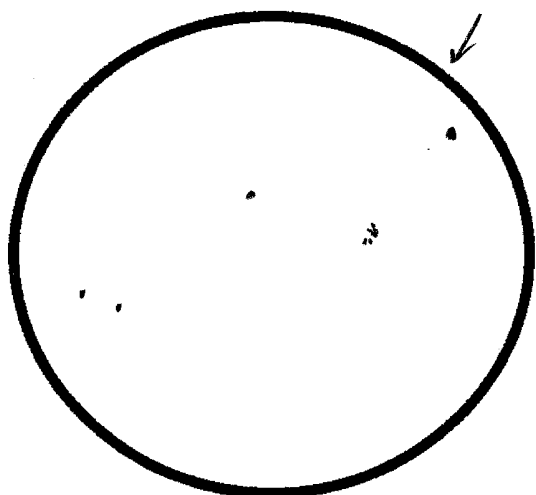
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x 42

Field of view Power 75



- Can this nebula be seen with direct vision, or is <sup>use</sup> averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? Yes
- Is any part of the nebula brighter or more concentrated? No
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Maybe 4 - listed as an O.C.
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? NGC 1582

Description is nearby & what a different O.C. THAT IS!

# Observing Log

Object type: Galaxy

Object ID: NGC 1618/1622

A2

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

Observer B. Young

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

Date 10/2/8

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

Time 7:50 UT

Location Ohio-Tex

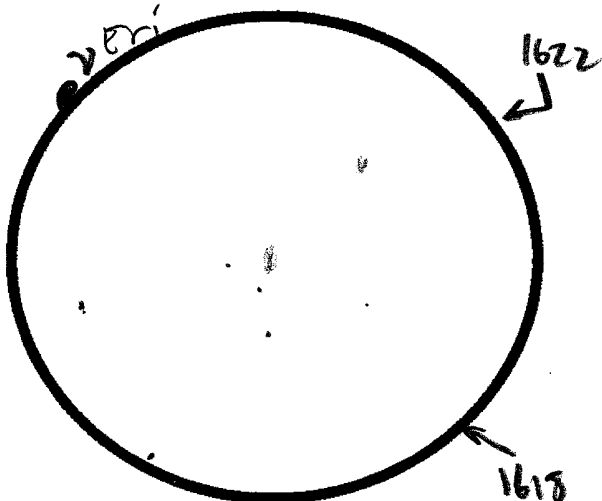
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elong, Oval
- Is a core noticeable? N, N
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope 1618 sharp or more diffuse? 1622
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 1624

Const.: Per

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

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

Observer B Young

Date 11/26/8

Time 9:40 pm CST

Location RMCC

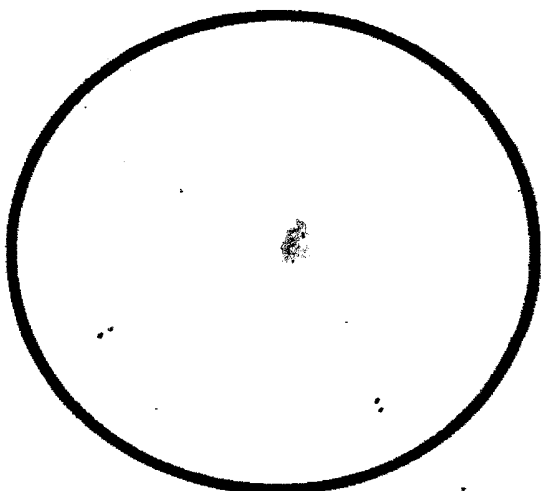
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x12

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Bar
- 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description 2 dble "point" to it



# Observing Log

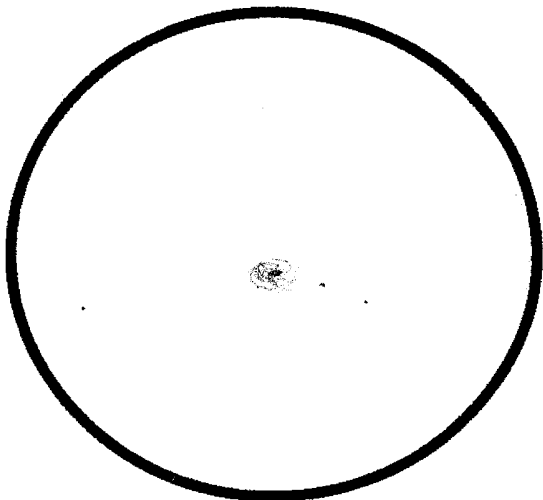
Object type: Galaxy

Object ID: N6C 1637

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

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

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



Observer B. Young

Date 10/2/8

Time 7:55 AM

Location Ohio - Tex

Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 10

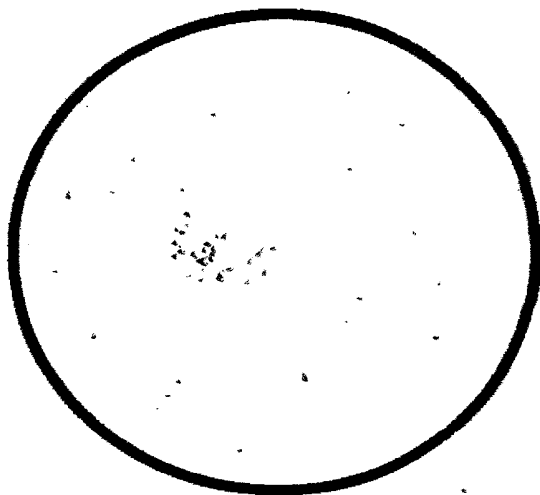
Field of view \_\_\_\_\_ Power 150x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Mottling
- Are the edges of the outer envelope fairly sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? some
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

## H2

Field of view 0.5 Power 75x



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? E
- How many stars can you count in the cluster? 50
- Are the stars more concentrated in any one particular area? in clump in center
- Is this cluster resolved fully or is there some background nebulosity noticed? mostly resolved
- Is there any particular area where you notice an absence of stars in this cluster? inside 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

[illegible]

# Observing Log

Object type: Open Cluster

Object ID: NGC 1663

H2

Const.: Ori

Observer B Young

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

Date 2/2/08

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

Time 10:10 CST

Location RMCC

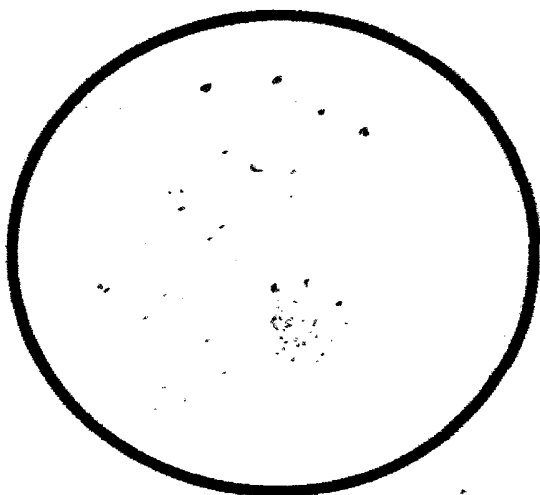
Seeing II- Transparency II-

Instrument XT-12

Size 12

Eyepiece 42 + 3<sup>2x</sup> Barlow  
mm

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Bear claw
- How many stars can you count in the cluster? 20
- Are the stars more concentrated in any one particular area? near center
- Is this cluster resolved fully or is there some trunk 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? 3 on S  
No color
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

Object ID: N6E 1700

82

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

Observer B. Young

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

Date 10/2/8

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

Time 8:05 UT

Location Ohre-Tex

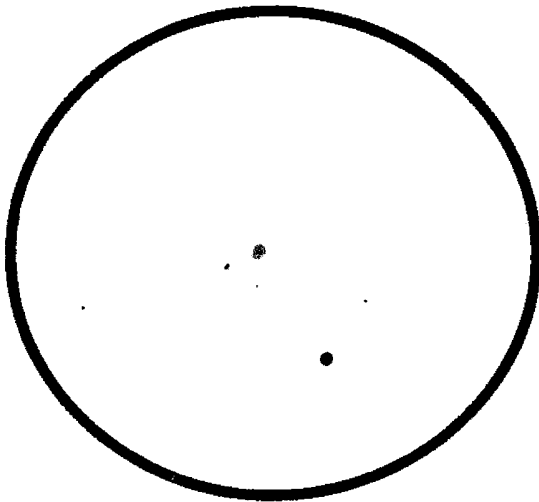
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? N
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? N
- Are there any other deep-sky objects in the same field of view? If so, what? N

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

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 1750

Const.: Tau

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

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

Observer

B. YOUNG

Date

11/26/8

Time

9:50 CST

Location

RMCC

Seeing

II

Transparency

II

Instrument

Xt-12

Size

12

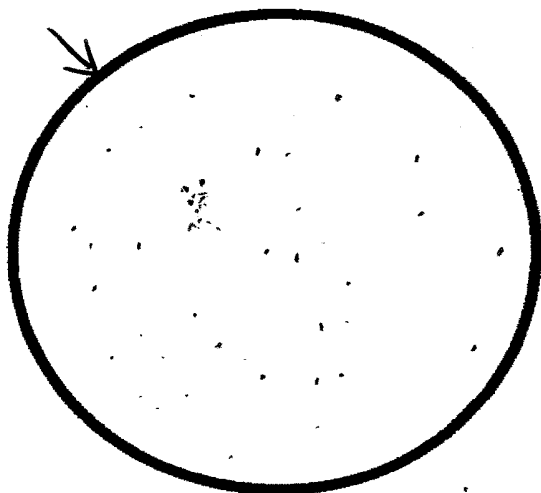
Eyepiece

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? Clump near 2 stars
- 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? THIS IS "INSIDE" MUCK Linger NGC 1746.

Description

# Observing Log

Object type: Galaxy

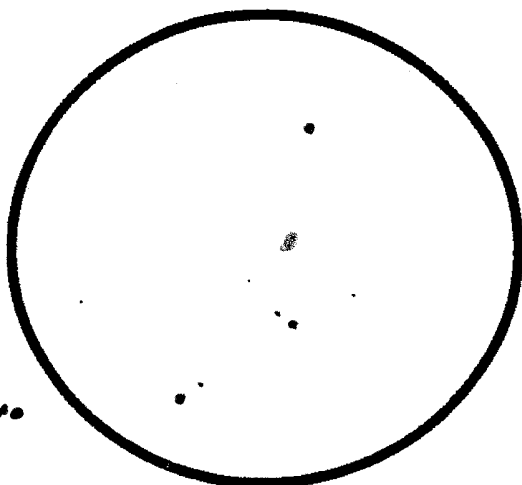
H2

Object ID: NGC 1762

Const.: Or

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

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



Observer B. Young

Date 2/2/08

Time 10:20 est

Location RMCC

Seeing II- Transparency II-

Instrument XT-12

Size 12

Eyepiece 42 + Barlow

Field of view \_\_\_\_\_ Power 75X

10mm too much

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round/oval
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Open Cluster

Object ID: NGC 1778

Const.: Aw

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

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

Observer B. Yank

Date 12/29/8

Time 8:30 css

Location MCC

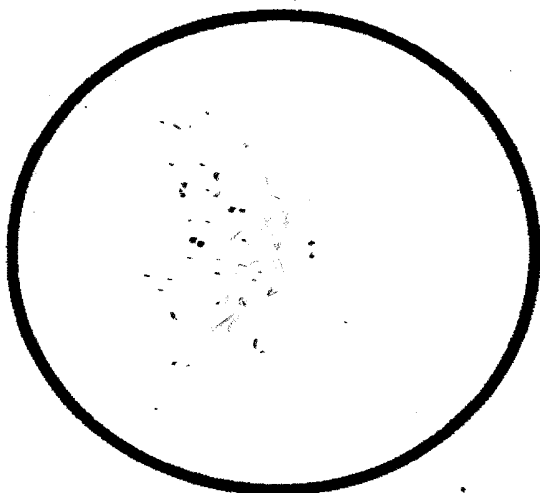
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars? OK
- What is the overall shape of the object? None
- How many stars can you count in the cluster? ~20
- Are the stars more concentrated in any one particular area? several dbls
- 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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Galaxy

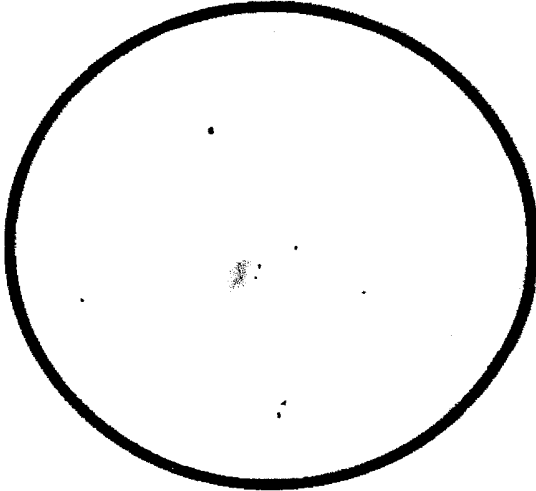
H2

Object ID: NGC 1832

Const.: Le p

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

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



Observer B. Young

Date 11/26/08

Time 11:00 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_



# Observing Log

Object type: Open Cluster

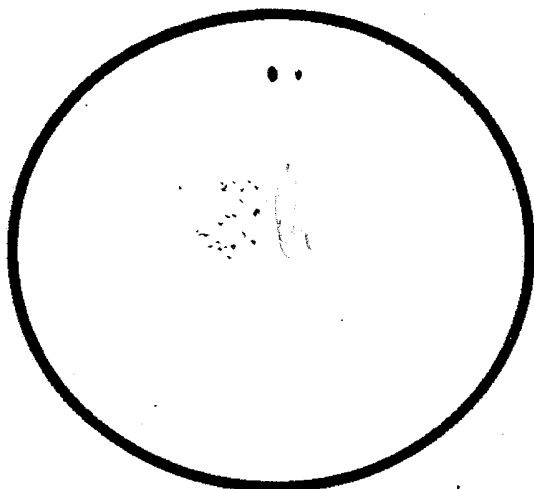
H2

Object ID: NGC 1883

Const.: Aw

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

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



Observer B. Young

Date 12/29/08

Time 8:20 CST

Location RMCC

Seeing II Transparency 7C

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75x

- Can this cluster be easily otk distinguished from the background stars?
- What is the overall shape of the object? No shape
- 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Nebula

Object ID: NHC 1973/75/77/81

Const.: Ori

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

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

Observer BY

Date 11/26/3

Time 11:10 CST

Location NMCC

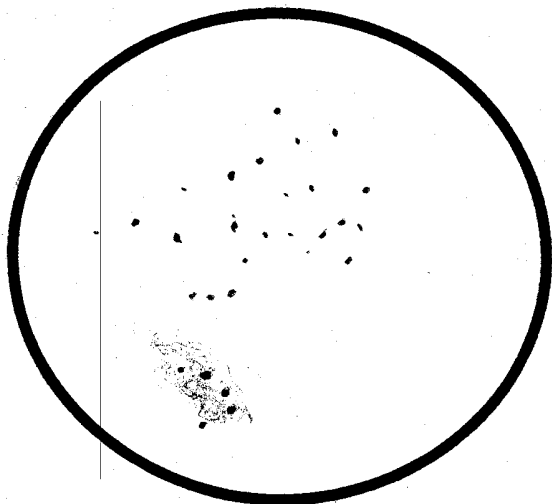
Seeing 8 Transparency 4+

Instrument ETX 125

Size 125

Eyepiece 40

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



- Can this 1977 nebula be seen with direct vision, or is averted vision required? — Not sure about others
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? Around brightest stars (42245 Ori)
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? Too amorphous
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes, NHC 1981
- Any suggestions for observing this nebula (I.e. filter, low power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description Too subtle to draw correctly

# Observing Log

Object type: Nebula

H2

Object ID: NGC 1977

Const.: Orion

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

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

Observer B Yamb

Date 2/8/8

Time 10:00 CST

Location RMCC

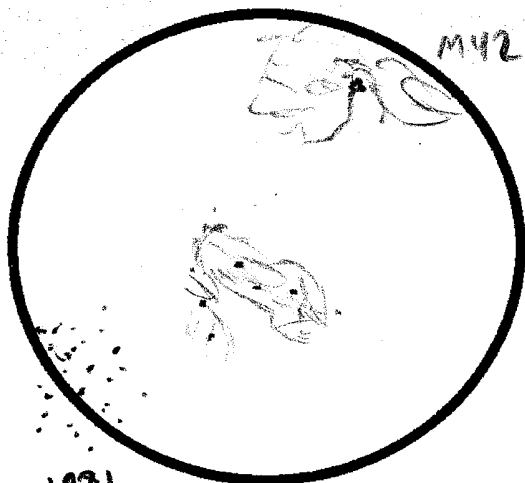
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Bar w/ rift at E end
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? Yes, around brighter 3 stars
- Is there any particular area where you notice an absence of stars in this cluster? No cluster of stars
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? Yes, rift between groups of stars (except 1981)
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? M42, M43, 1973, 1975, 1981

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

# Observing Log

Object type: Nebula

Object ID: NGC 1790

H2

Const.: Orion

Observer B. Yank

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

Date 2/8/2

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

Time 10:15 CST

Location MCC

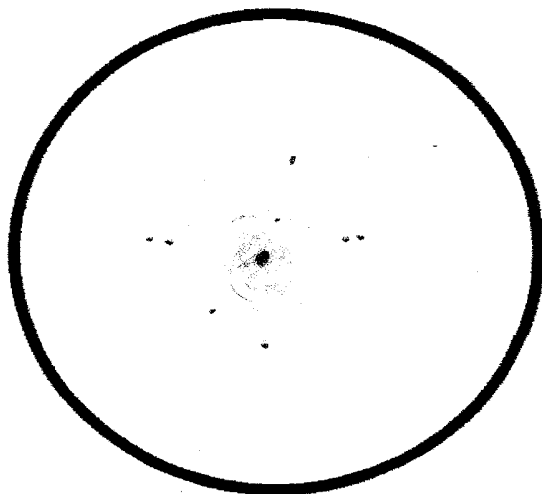
Seeing II Transparency F-

Instrument XT-12

Size 12

Eyepiece 42

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? Near E
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? E on
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Nebula

H2

Object ID: NGC 2024 + NGC 2023

Const.: Orion

Observer B. Young

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

Date 2/8/8

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

Time 10:30 CST

Location RMCC

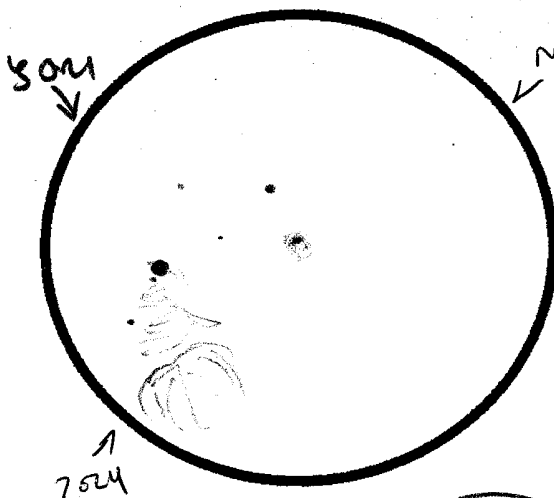
Seeing II Transparency I-

Instrument X5-12

Size 12

Eyepiece 42

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Flare = 2 puffs 2023 = glow on 7m
- Is any part of the outer edge of the nebula sharply defined? No, No
- Is any part of the nebula brighter or more concentrated? Flare very dense, 2023 even
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? More
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? 37x
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? 50x, 7m
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

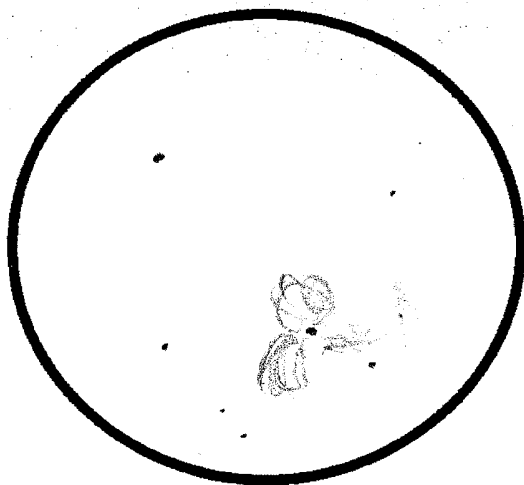
Object type: Nebula

Object ID: NGC 2023

Const.: Orn

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

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



Observer B. Young H2

Date 2/8/8

Time 10:40 EST

Location MMCC

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? "petals"
- Is any part of the outer edge of the nebula sharply defined? some on petals
- Is any part of the nebula brighter or more concentrated? 2 petals
- Is there any particular area where you notice an absence of stars in this cluster? -
- Are there any voids or dark patches, or lanes in the nebula? between petals Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Nebula

H2

Object ID: NGC 2071

Const.: Orn

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

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

Observer B. Yount

Date 2/8/8

Time 10:45 CST

Location RMCC

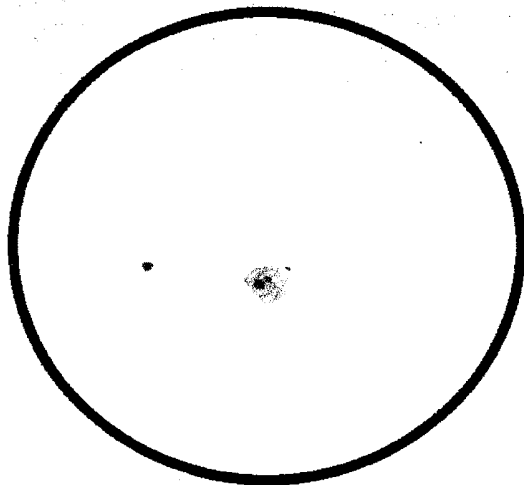
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? At stars
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Double + 12m
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

Observing Log  
Object type: Open Cluster

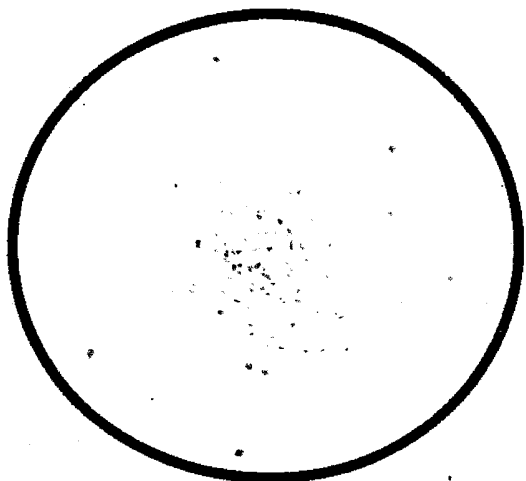
Cornopis  
new setting  
easy 1x  
10:00-10:50

Object ID: NGC 2112

Const.: OM

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

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



Observer B. Yane

Date 2/3/8

Time 10:50 CST

Location RMCC

Seeing II Transparency II

Instrument XT 12

Size 12

Eyepiece 42+ 2x3

Field of view \_\_\_\_\_ Power 75x

- Can this cluster be easily distinguished from the background stars? Somewhat
- What is the overall shape of the object? Loose & clump
- How many stars can you count in the cluster? 50
- Are the stars more concentrated in any one particular area? In central clump <sup>elong</sup>
- 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 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# Observing Log

Object type: Galaxy

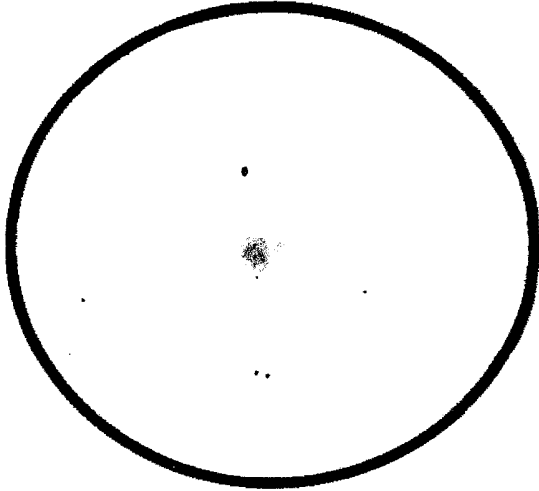
H2

Object ID: N6C 2139

Const.: Lev

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

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



Observer B. Young

Date 11/26/8

Time 11:10 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Am t
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Nebula

HZ

Object ID: N6C 2170 + 2182/2183

Const.: Mon

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

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

Observer B. Young

Date 1/1/9

Time 9:45 pm

Location RMCC

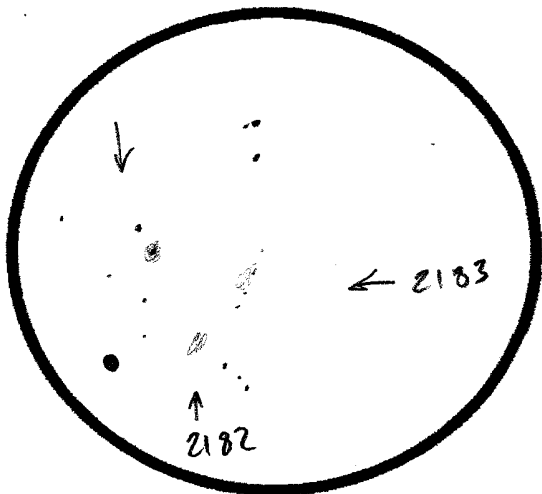
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this nebula be seen with direct vision or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Round nebula on a 9m star
- Is any part of the outer edge of the nebula sharply defined? Fairly well
- Is any part of the nebula brighter or more concentrated? Star
- Is there any particular area where you notice an absence of stars in this cluster? \_\_\_\_\_
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Yes, 2 other

Description nebula, fainter, more  
amorphous

# Observing Log

Object type: Nebula

HZ

Object ID: N7C 2182

Const.: Men

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

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

Observer B. Young

Date 1/1/9

Time 9:35

Location RMCC

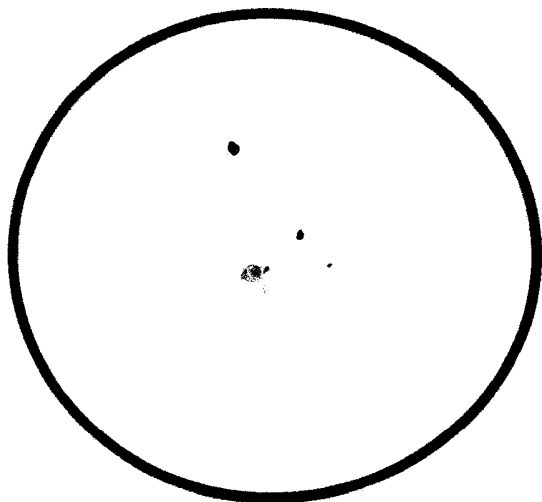
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Glow' on" star
- Is any part of the outer edge of the nebula sharply defined? Fairly
- Is any part of the nebula brighter or more concentrated? No
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes
- Any suggestions for observing this nebula (I.e. filter, power field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No - but 2170 near

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

# Observing Log

Object type: Open Cluster

Object ID: NGC2192

Const.: Ans

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

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

Observer B. Young

Date 12/29/8

Time 9:45 PM

Location RMCC

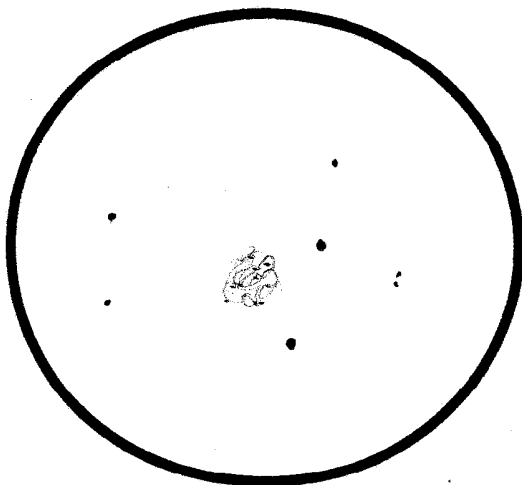
Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 10 + lots of
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed? lots
- 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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Observing Log

Object type: Galaxy

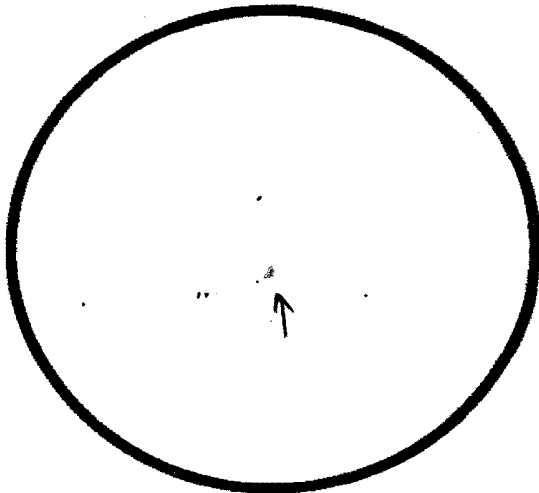
H2

Object ID: N7C 2196

Const.: Lep

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

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



Observer B. Young

Date 11/26/8

Time 11:20 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? tiny smudge
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? No
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description NO! ON ALL BUT GLIMPSE OF IT.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Observing Log  
Object type: Open Cluster

NOT AN  
#2

Object ID: NGC 2215

Const.: Mon

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

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

Observer B. Yount

Date 1/1/9

Time 9:40pm

Location RMCC

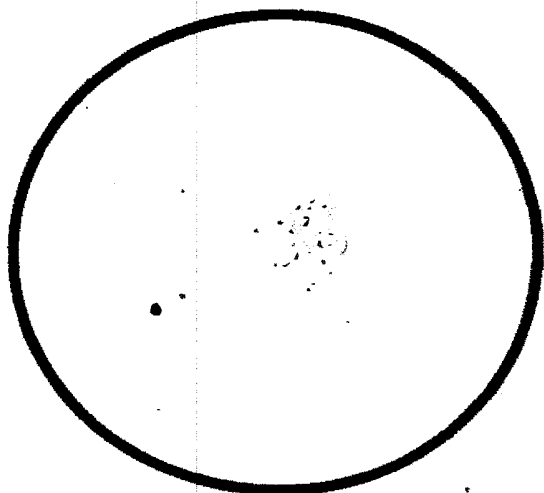
Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- 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? 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Open Cluster

Object ID: N6C 2236

H2

Const.: Mon

Observer B. Yount

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

Date 12/29/8

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

Time 10:00 CST

Location RMCC

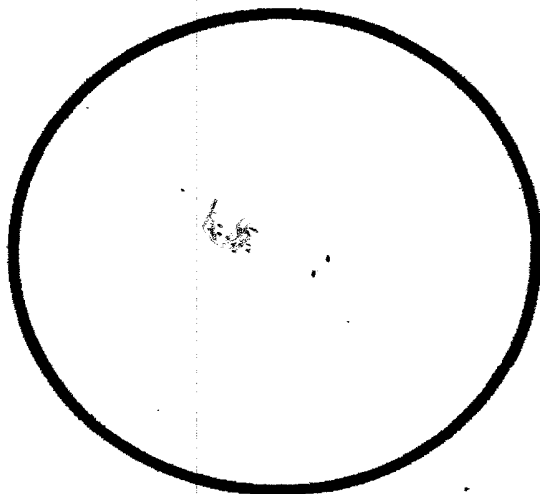
Seeing 11 Transparency 11

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Comma
- 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Nebula

#2  
2245

Object ID: N6C 2245/2247

Const.: Mon

Observer B. Yanez

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

Date 12/29/8

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

Time 10:15 CST

Location RMCE

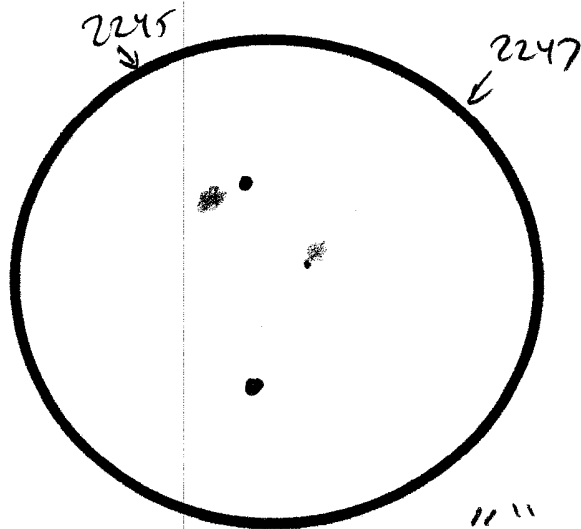
Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Round, " "
- Is any part of the outer edge of the nebula sharply defined? yes, yes
- Is any part of the nebula brighter or more concentrated? Centers
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Appears to be, F.S.
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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



# Observing Log

Object type: Open Cluster

Object ID: MGC 2252

H2

Const.: Mon

Observer B. Yount

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

Date 12/29/8

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

Time 9:45 CST

Location RMCC

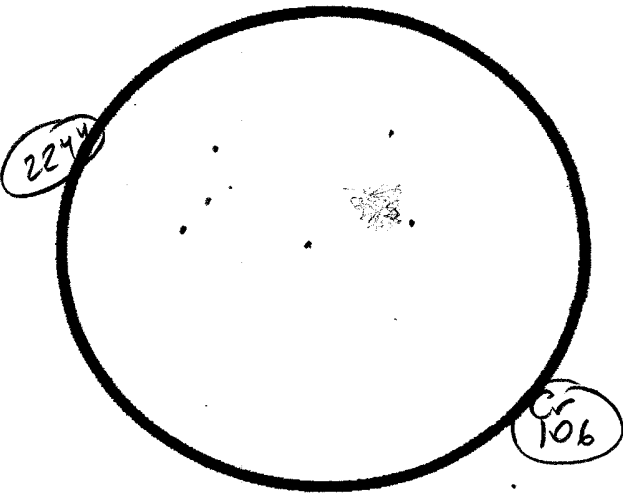
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars? no - between 2 clusters & B2 Rosette?
- What is the overall shape of the object? Boxy
- How many stars can you count in the cluster? —
- Are the stars more concentrated in any one particular area? —
- 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? Surrounded as shown

Description \_\_\_\_\_

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

# Observing Log

Object type: Galaxy

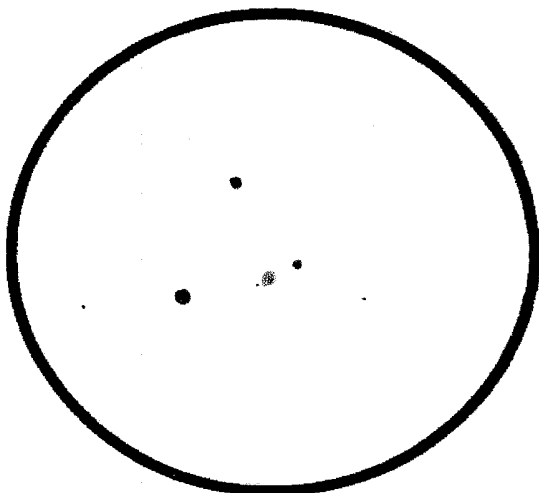
H2

Object ID: NLC 2253

Const.: Cam

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

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



Observer B. Young

Date 1/17/9

Time 9:25 pm CST

Location RNCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 25X

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No - unless this is the core
- Is the core compact or stellar? ↑
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

Untitled

HII's and NGC 2253's Existence

This message: [ Message body ] [ More options ]

Related messages: [ Next message ] [ Previous message ] [ In reply to ] [ Next in thread ] [ Replies ]

From: Peter Natscher <Alt;natscher\_at\_redshift.com>

Date: Fri Sep 09 2005 - 08:35:32 PDT

Below is the reply I received from Candace Pratt of The Herschel Observing Program, Portland, Oregon, regarding my query of the existence of NGC 2253 for observation. She has literally paraphrased what I already have printed in my latest edition of the guidebook (third printing 1999).

Peter

-----  
Hi Peter:

In the 7 years since the introduction of the Herschel II Observing Program there have been 3 objects that observers have written about as being difficult/unable to observe. Those objects include NGC 2253, NGC 1990 and NGC 1750. As we researched these three objects we learned that our original reference documents (primarily Megastar) were in error.

For the third edition of the publication (published in 1999), we addressed these issues and this edition hopefully provides descriptions and locations that are more informative. We observed these objects numerous times again and hope the latest edition corrects any problem.

Regarding NGC 5756 and 5602, a printing error in the Second Edition occurred which incorrectly added 5756 to the list, and deleted 5602. Again, the third printing corrected this. NGC 5602 is the correct object, not 5756.

Below is the descriptive information from this latest edition for these three objects:

NGC 1990

Type: Neb

RA: 05h 36m 12.0s

Dec: -01 12' 00"

Direct vision with difficulty. A very large, faint, diffuse glow of nebulosity surrounding Epsilon Ori, a brilliant blue-white star. In a C-11 it appears to be over 30' in extent with no distinct edges. Very dark conditions help considerably.

NGC 2253

Type: Ocl

RA: 06h 42m 24.0 sec

Dec: +66 20' 00"

Size: 3.0'

Only slightly distinguishable from the background field of view. Oval to rectangular in shape with about 8 resolvable stars plus nebulosity. A "box" of 4 stars appears in the field; the cluster is between the 2 fainter stars forming the box. Located 1.4 degrees SW of 42 Cam.

Untitled

NGC 1750

Type: Oc1

RA: 05h 03m 54s

Dec: +23 39' 00"

Small round collection of about 2 dozen stars forming a circle with a bright central star. There are two other open clusters associated with this group: NGC 1746 and 1758. A fun group! Located 1 degree SW of 103 Tau.

As additional information, Brent Archinal's "Star Clusters", Willman Bell, 2003 says the following about 2253:

Listing on page 62:

Name Type R.A Dec. Con. Diam #str S# 2U Ref Comments and aliases

NGC 2253 c1? 06 42.6 +66 24 Cam 3.0 15 1 15 53 See Notes

Identification of NGC 2253 is uncertain. Assumed here to be small group observed by A.Ling.

Page 163 reports the following on NGC 2252, aka Herschel VII.54.

NGC 2253: The identity of this object, William Herschel's VII.54, is discussed in Archinal [1993,59-60]. It was proposed that this small group of stars observed in approximately the correct position for this object by A. Ling.

However, Ling has now pointed out [private communication, 1995] that this group of stars is probably not the correct object, and that of NGC 2253 is likely the galaxy UGC 3511. This identification was apparently suggested by Susan French, assuming that Herschel had made a 30' error in his declination (this being about 30' south of Herschel's discovery position). However, H. Corwin [private communication, 2002] has recently pointed out that W. Herschel would have called this small faint galaxy a class VII star cluster.

Therefore the true identity of NGC 2253 continues to be unclear, although it is listed in the catalog here as the original group of stars originally listed by Ling.

Candace Pratt

-----Original Message-----

From: Peter Natscher [mailto:natscher@redshift.com]

Sent: Thursday, September 08, 2005 11:21 AM

To: Carole Cole; Candace Pratt

Subject: Herschel II Observing Program Objects

Hi Carole and Candace,

I am in the process of observing, logging, describing, and sketching all of

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 2254

Const.: Mon

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

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

Observer B. Yank

Date 12/29/8

Time 9:25 CDT

Location RMCC

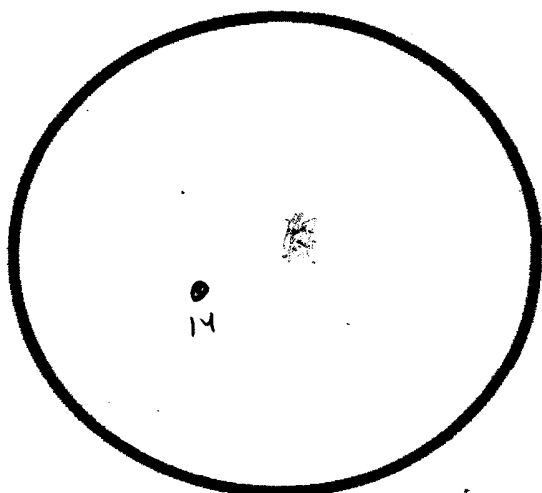
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Roundish
- 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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Object ID: N6C 2259

#2

Const.: Mon

Observer B. Young

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

Date 12/29/8

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

Time 9:10 CST

Location RMCC

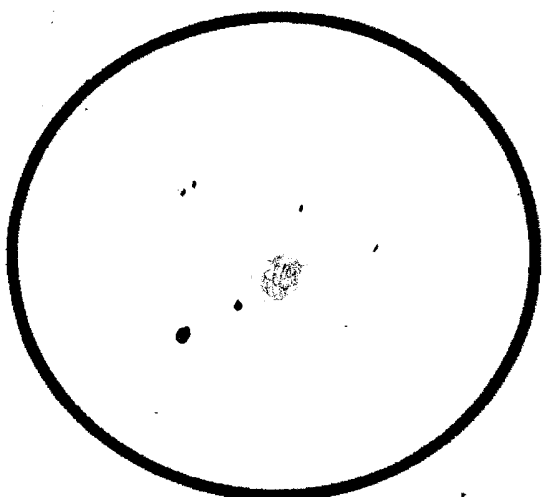
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Round
- 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 Av 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 \_\_\_\_\_

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

# Observing Log

Object type: Nebula

Object ID: NGC 2261

H2

Const.: Mon

Observer B. Young

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

Date 12/29/8

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

Time 9:00 CST

Location RMCC

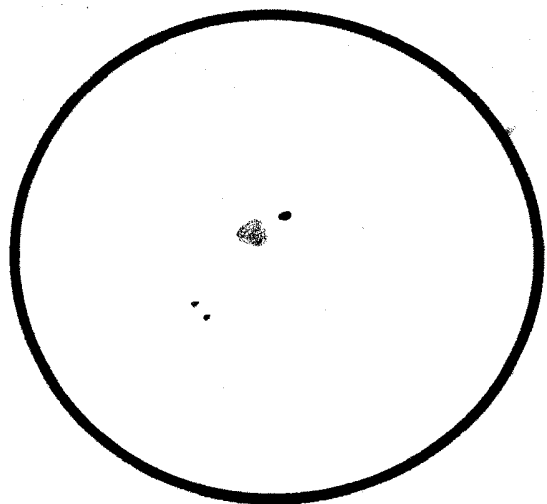
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this nebula be seen with direct vision or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Funnel cloud
- Is any part of the outer edge of the nebula sharply defined? Yes
- Is any part of the nebula brighter or more concentrated? At star
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? —
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? Tried all—
- Are there any other deep-sky objects in the same field of view? If so, what? No, but easy to find

Description SMALL cluster to NE

# Observing Log

Object type: Open Cluster

H2

Object ID: Nhc 2269

Const.: Mon

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

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

Observer B. York

Date 1/1/9

Time 10:30 pm

Location RMCC

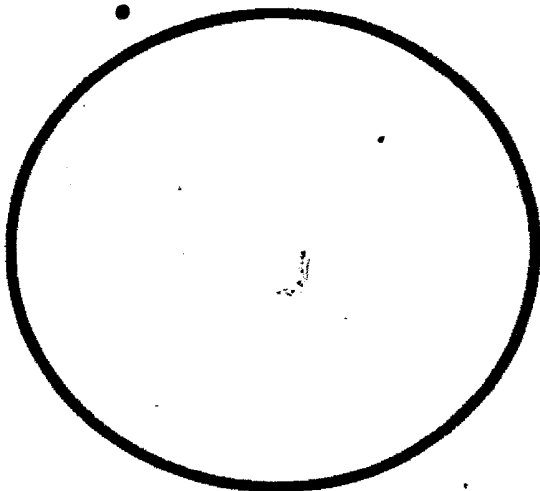
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Curve of stars from 10m
- 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? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# Observing Log

Object type: Galaxy

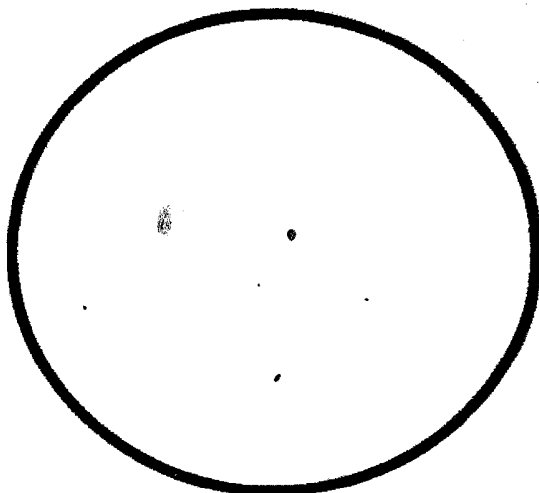
H2

Object ID: N/C 2274

Const.: Gem

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

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



Observer B. Yount

Date 12/28/08

Time 9:15 CST

Location LMCC

Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is Use averted vision required?
- What is the overall shape? 2x1
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, can't see

Description Very faint, no detail

2275

# Observing Log

Object type: Galaxy

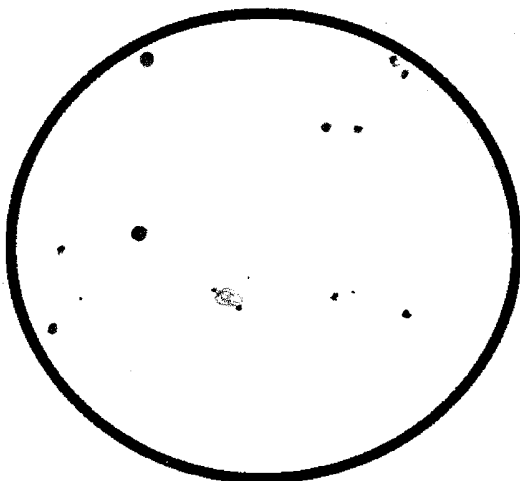
H2

Object ID: Nb 2283

Const.: CMa

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

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



Observer B. Young

Date 2/9/8

Time 9:30 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? \_\_\_\_\_
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, but  
Spinnus just to N

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

# Observing Log

Object type: Open Cluster

Object ID: N6c 2302

H2

Const.: Mon

Observer B. Yount

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

Date 1/1/9

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

Time 10:00 pm

Location RMCC

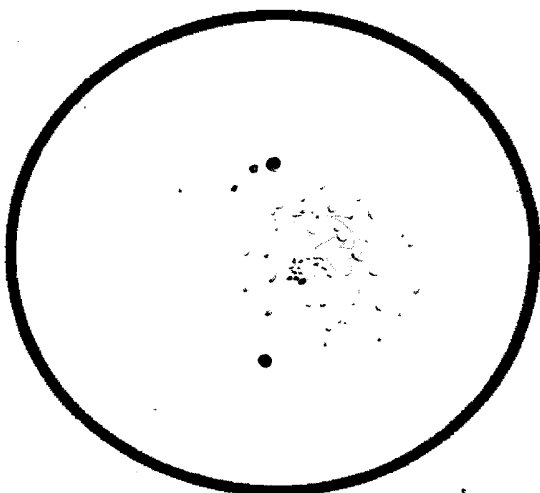
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? 8
- How many stars can you count in the cluster? 20
- Are the stars more concentrated in any one particular area? In a shape
- 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 curl
- 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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Open Cluster

42

Object ID: Nbc 2309

Const.: Mon

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

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

Observer B. Young

Date 1/1/9

Time 10:10 pm

Location RMCC

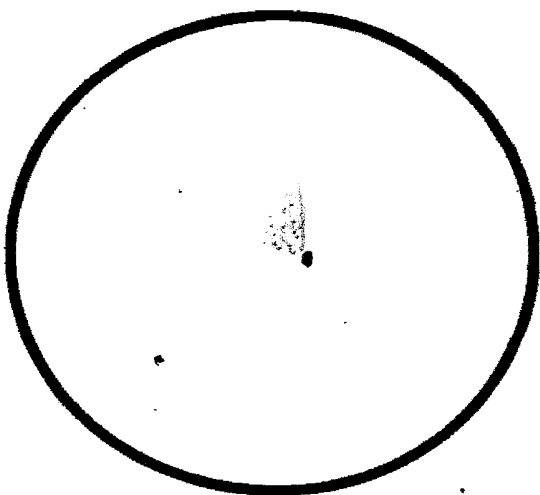
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Fan + <sup>dark</sup> neb on edge
- How many stars can you count in the cluster? 30
- Are the stars more concentrated in any one particular area? up till edge
- 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? on edge
- 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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Observing Log

Object type: Nebula

Object ID: Nbe 2316 + ?

#2

Const.: Mon

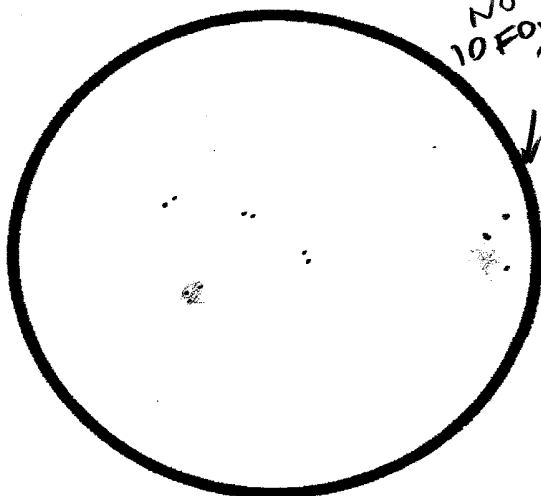
Observer B. Young

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

Date 1/1/9

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

Time 9:55 pm



Location MCC

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? "cloud on Δ"
- Is any part of the outer edge of the nebula sharply defined? Fairly well
- Is any part of the nebula brighter or more concentrated? No
- Is there any particular area where you notice an absence of stars in this cluster? No, just 3
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Yes
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Yes - faint OC?

Description CAN'T ID  
IF IT EXISTS

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 2331

Const.: Gem

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

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

Observer B. Yount

Date 12/28/08

Time 9:50 CST

Location MCC

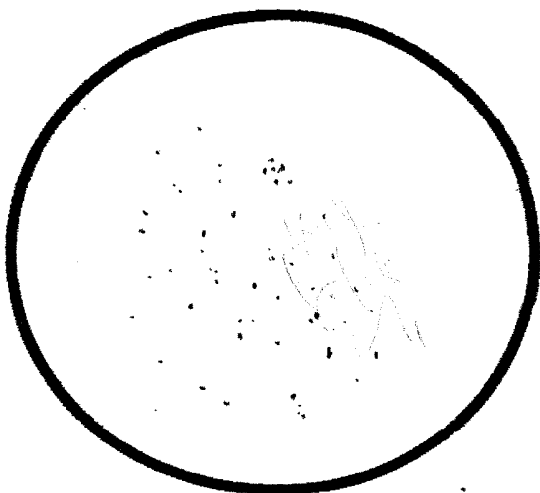
Seeing II Transparency II

Instrument X12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X



- Can this cluster be easily distinguished from the background stars? Fairly well
- What is the overall shape of the object? large & loose
- How many stars can you count in the cluster? ~30 resolved
- Are the stars more concentrated in any one particular area? One clump
- Is this cluster resolved fully or is there some background nebulosity noticed? on east side
- 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 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

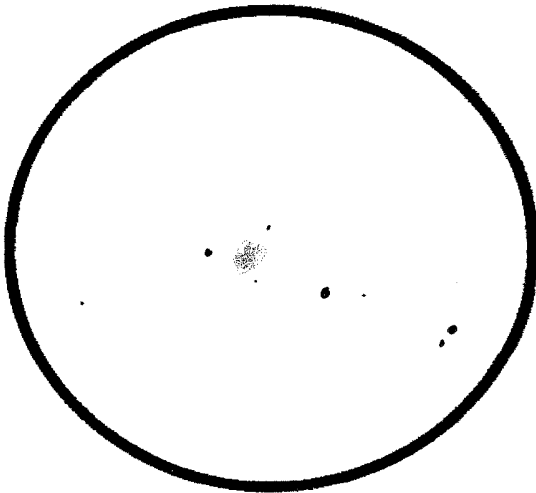
H2

Object ID: NGC 2339

Const.: Gem

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

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



Observer B. Yount

Date 12/28/08

Time 9:35 pm CST

Location RMCC

Seeing II Transparency II

Instrument X-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? \_\_\_\_\_
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No, but seems to be a spiral "shape"
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

#2

Object type: ~~Cluster~~ Nebula

*planetary*

Object ID: N6c 2346

Const.: Mon

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

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

Observer B. York

Date 1/1/9

Time 10:00 pm

Location RMCC

Seeing II Transparency I-

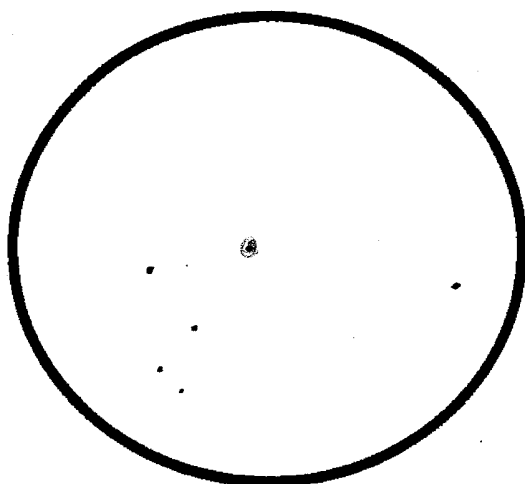
Instrument XT-12

Size 12

Eyepiece 10

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

+OIII



- Can both the cluster and nebula be seen with direct vision or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? w/cis. (~14m)
- Is any part of the outer edge of the nebula sharply defined? yes
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? None
- Is the cluster embedded in the nebulosity or is there a distinct separation? —
- Is any part of the nebula brighter or more concentrated? @ CS
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description OIII filter really helps



# Observing Log

Object type: Galaxy

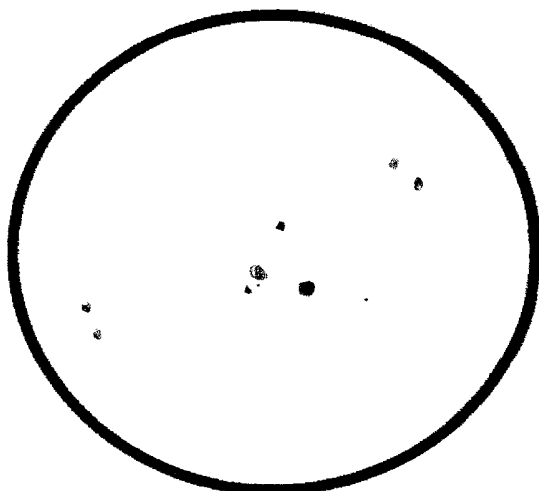
112

Object ID: NGC 2347

Const.: Cam

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

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



Observer B. YOUNG

Date 1/17/9

Time 9:00 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75X

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Is there core? No - just all of it
- Is the core compact or stellar? ↑?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description SEYFERT! NO WONDER IT WAS DIFFICULT

# Observing Log

Object type: Cluster/Nebula

142

Object ID: NGC 2359

Const.: CMa

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

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

Observer B. YOUNG

Date 2/9/8

Time 9:50 CST

Location RMCC

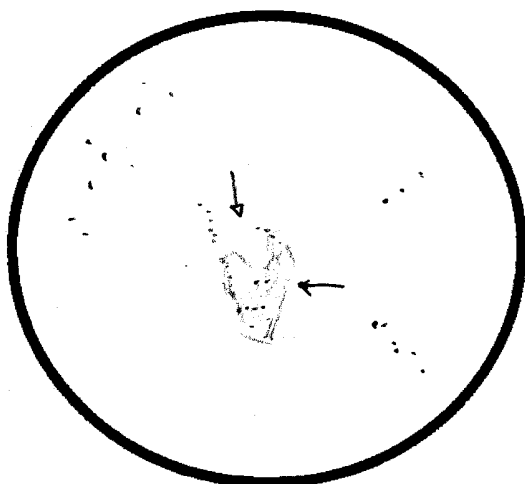
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 75X



- Can both the cluster and nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? FAT "V" SHAPE
- Is any part of the outer edge of the nebula sharply defined? FAMILY, ESP. ON WEST SIDE
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? NO REAL CLUSTER - ABOUT 10
- Is the cluster embedded in the nebulosity or is there a distinct separation?
- Is any part of the nebula brighter or more concentrated? BRIGHT AT ←
- Is there any particular area where you notice an absence of stars in this cluster? MANY GAPS AT ↓
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? DIDN'T TRY FILTER
- Are there any other deep-sky objects in the same field of view? If so, what? NO

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Observing Log  
Object type: Galaxy

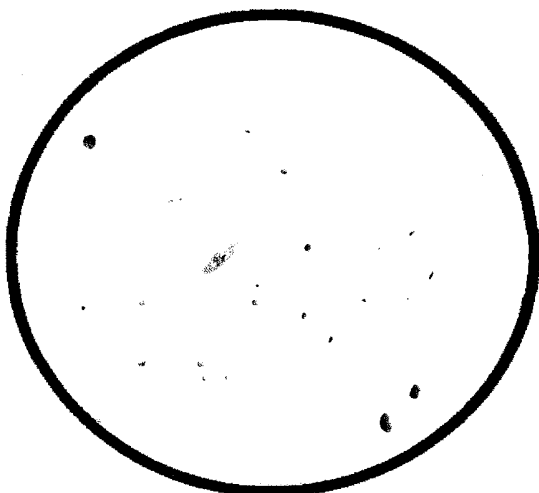
H2

Object ID: NFC 2366

Const.: Cam

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

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



Observer B. YOUNG

Date 1/17/9

Time 9:10 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? 3x1 elongated
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

111

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 2367

Const.: CMa

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

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

Observer B. Young

Date 2/9/8

Time 10:20 CST

Location RMCC

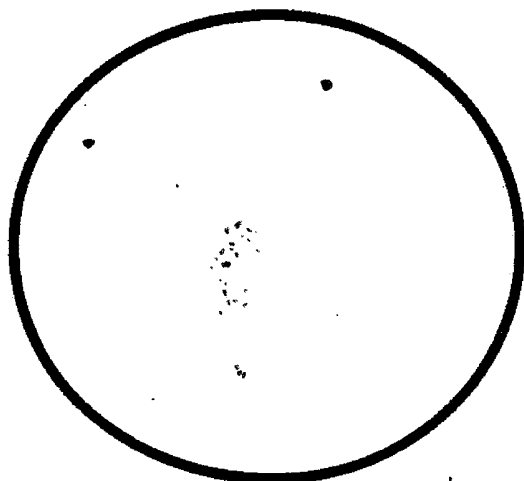
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2x

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Λ
- How many stars can you count in the cluster? 15
- Are the stars more concentrated in any one particular area? shape
- 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?

but nice double

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 2374

Const.: CMa

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

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

Observer Bi Yang

Date 2/9/8

Time 10:00 CST

Location RMCC

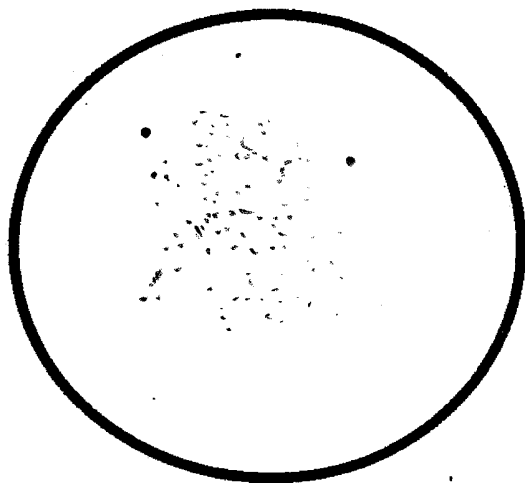
Seeing II Transparency II

Instrument XT12

Size 12

Eyepiece 42+2x

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Large sprawl
- How many stars can you count in the cluster? >100
- Are the stars more concentrated in any one particular area? middle runs (2)
- 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 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

113

# Observing Log

Object type: ~~Globular~~ Cluster

H/2

Object ID: NGC 2396

Const.: Pup

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

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

Observer B. Young

Date 2/9/8

Time 10:55 CST

Location RMCC

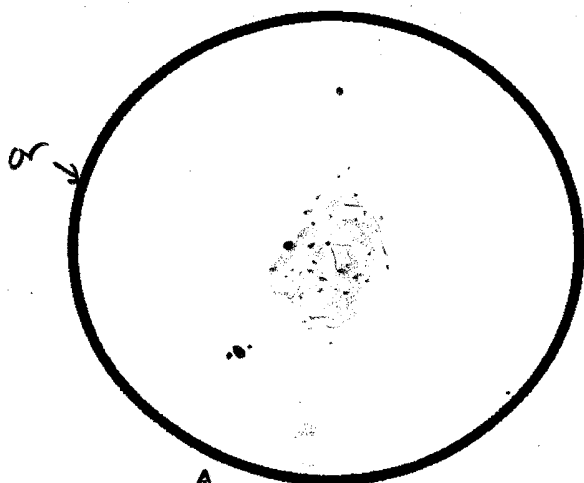
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2x

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the core unusually bright, compact or not distinguishable? No - fairly even but orange star is bright
- Is this ~~globular~~ cluster highly or loosely concentrated? middle
- Is any part of the cluster resolved into stars? yes
- Is any mottling visible? some blured glow of unresolved
- Can the edges be resolved?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

# Observing Log

Object type: Globular Cluster

#2

Object ID: NGC 2414

Open

Const.: Py

Observer B. Young

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

Date 2/9/8

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

Time 10:30 CST

Location RMCC

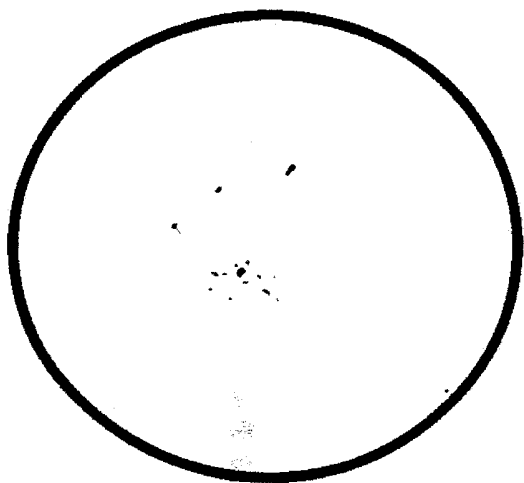
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this cluster be seen with direct vision, or is averted vision required?
- Is the middle ~~core~~ unusually bright, compact or not distinguishable? - yes, bright star w/ "bees"
- Is this ~~globular~~ cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? Yes - no bkg. fuzz @ 150x
- Is any mottling visible? No - resolved
- Can the edges be resolved? All resolved
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 2415

H2

Const.: Lyn

Observer B. Young

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

Date 12/28/08

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

Time 9:20 pm CST

Location RMCE

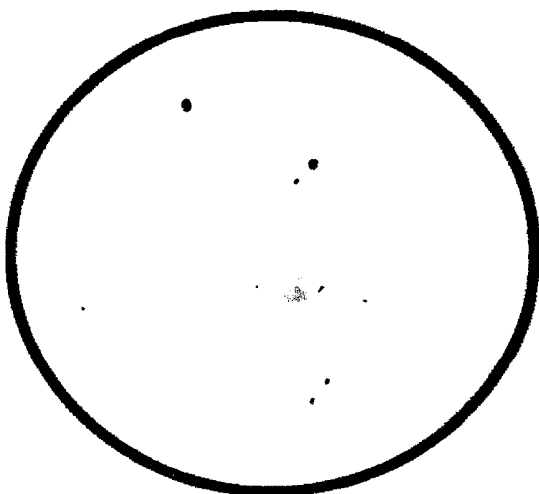
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elliptical
- Is a core noticeable? Some
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: ~~Galaxy~~

Object ID: NGC 2432

OC

42

Const.: Pup

Observer B. Young

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

Date 2/9/8

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

Time 11:00 CST

Location RMCC

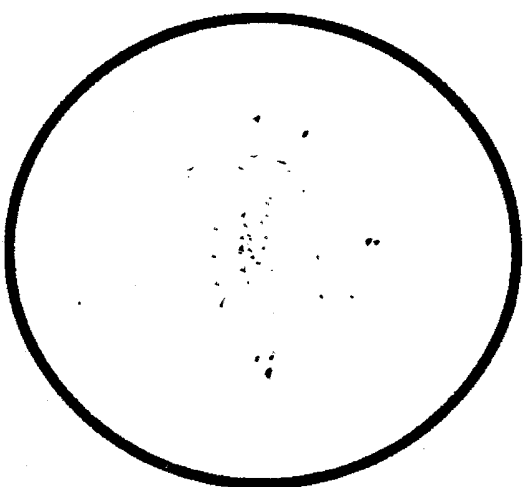
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42+2x

Field of view \_\_\_\_\_ Power 75x



- Can this ~~galaxy~~ <sup>OC</sup> be seen with direct vision, or is averted vision required?
- What is the overall shape? Lines of stars
- Is a ~~core~~ noticeable? 25 stars / shape
- Is the ~~core~~ compact or stellar?
- Can any detail be seen between the ~~core~~ <sup>center</sup> and the outer envelope of the object? No + really
- Are the ~~edges of the outer envelope~~ sharp or diffuse? No glow - resolved
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: ~~Galaxy~~

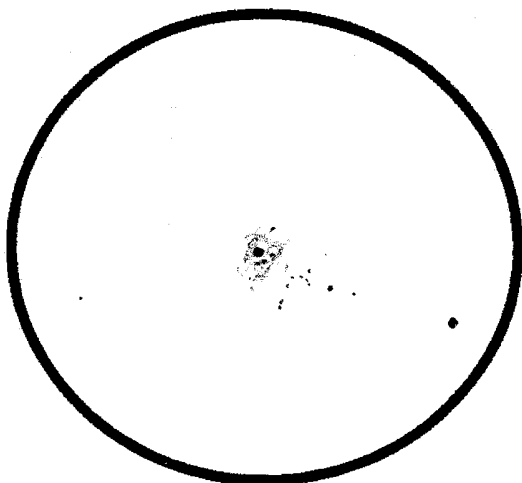
OC/Neb H2

Object ID: NGC 2467

Const.: Psp

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

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



Observer B. Yount

Date 2/9/8

Time 11:20 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this <sup>OC</sup> galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Bees and emission/reflection nebula
- Is a core noticeable? Central star dominates
- Is the core compact or stellar? About 10 stars + squarish nebula
- Can any detail be seen between the core and the outer envelope of the object? X
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Fairly even
- Are there any other deep-sky objects in the same field of view? If so, what? No nebulas

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

# Observing Log

Object type: Galaxy

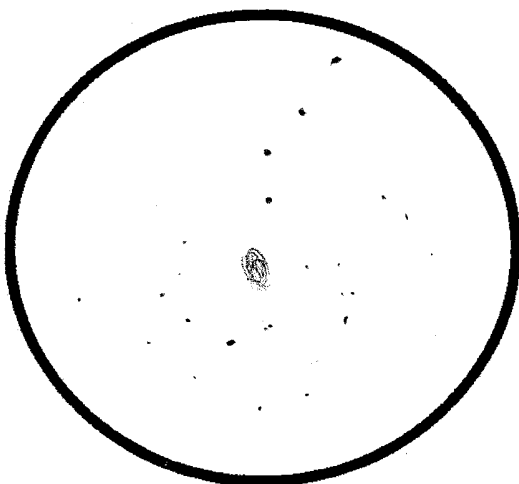
172

Object ID: NGC 2525

Const.: CMa

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

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



Observer B. YOUNG

Date 2/9/8

Time 9:40 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

more pleasing @ 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No - even glow
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Cluster/Nebula

Object ID: NGC 2610

Const.: Hyd

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

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

Observer B. Yount

Date 3/15/9

Time 11:10 CDT

Location RMCC

Seeing II Transparency II

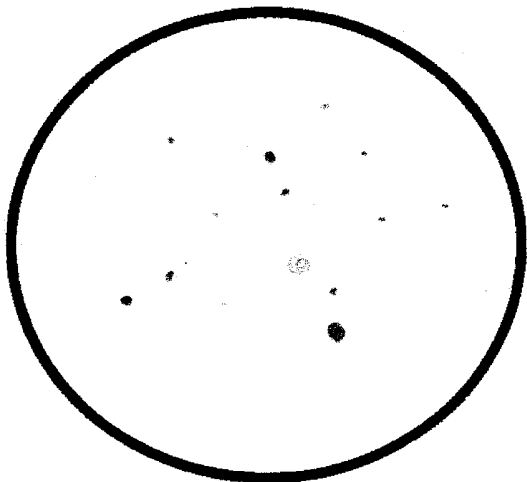
Instrument XT-12

Size 12

Eyepiece 10

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

+ OIII FILTER



- Can both the cluster and nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Round, even
- Is any part of the outer edge of the nebula sharply defined? Somewhat
- Are the stars more concentrated in any one particular area? How many stars are in the cluster?
- Is the cluster embedded in the nebulosity or is there a distinct separation?
- Is any part of the nebula brighter or more concentrated? No
- Is there any particular area where you notice an absence of stars in this cluster? c.s. highly 12
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? 90070
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? 45 - 100x
- Are there any other deep-sky objects in the same field of view? If so, what? 60  
50

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

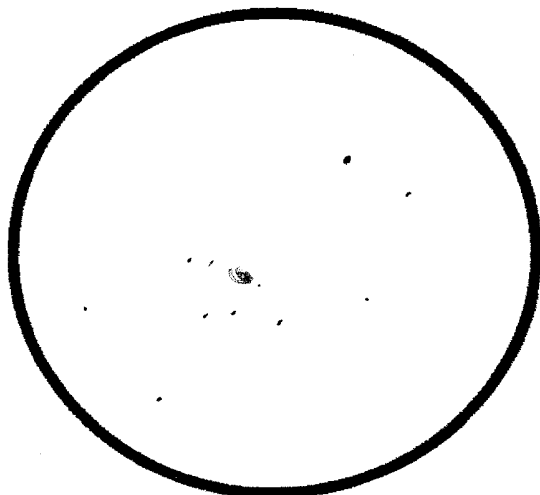
42

Object ID: NGC 2639

Const.: UMa

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

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



Observer By

Date 5/20/7

Time 12:00

Location RMCC

Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 25

Field of view \_\_\_\_\_ Power 60x

- Can this galaxy be seen with direct vision, or is we averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Comp
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Small, round in size field

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

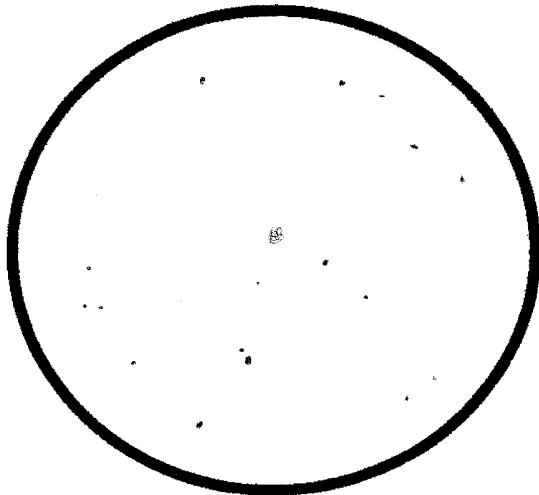
H2

Object ID: Ngc 2752

Const.: UMa

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

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



Observer B. Towne

Date 4/15/9

Time 12:30

Location RMCC

Seeing II Transparency II

Instrument \_\_\_\_\_

Size \_\_\_\_\_

Eyepiece \_\_\_\_\_

Field of view \_\_\_\_\_ Power 75x

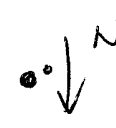
- Can this galaxy be seen with direct vision, or is averted vision required? loves it!
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No - my Bolshoi

Description DM  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# OBSERVATION LOG

H2

NAME B. YOUNG	DATE 5/3/8	INSTRUMENT XT-12 <sup>k</sup>	SEEING I-	OBJECT NAME NGC 2765
SITE GREENLEAF ST. PARK	TIME 10:20pm	POWER 74x	TRANSPARENCY I-	CONSTELLATION Hyd
DESCRIPTION Formless little glow - use AV, ~13 mag DOUBLE ON WAY - PLOTTED JUST SE OF IT - PERFECT PAIR SPIT WELL				

NAME "	DATE "	INSTRUMENT 12"	SEEING "	OBJECT NAME VMO 10m SAT.
SITE "	TIME 10:37pm	POWER 74x	TRANSPARENCY "	CONSTELLATION
DESCRIPTION (by phone) P=22 Hyd  74x field Steady, slow				

H2

NAME "	DATE "	INSTRUMENT 12"	SEEING I-	OBJECT NAME NGC 2855
SITE "	TIME 10:40pm	POWER 74x	TRANSPARENCY II	CONSTELLATION Hyd
DESCRIPTION Sm, elliptical, stellar nucleus, fuzzy to edges, no distinction Just S of dbl, 12 mag.				

H2

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 2781
SITE "	TIME 10:50pm	POWER "	TRANSPARENCY "	CONSTELLATION Hyd
DESCRIPTION Dim - need AV to see at all - off of a triangle - then could see directly but still difficult - no detail Very small, compact nucleus - nearly stellar, some glow				

123

# Observing Log

Object type: Galaxy

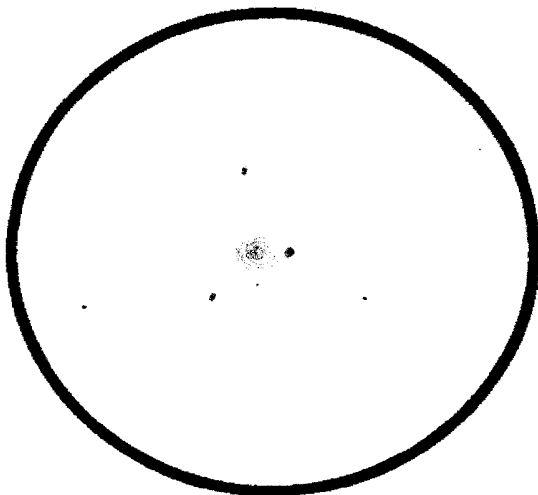
H2

Object ID: NGC 2784

Const.: Hyl

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

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



Observer B. Young

Date 3/15/09

Time 10:40 CDT

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round/oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# Observing Log

Object type: Galaxy

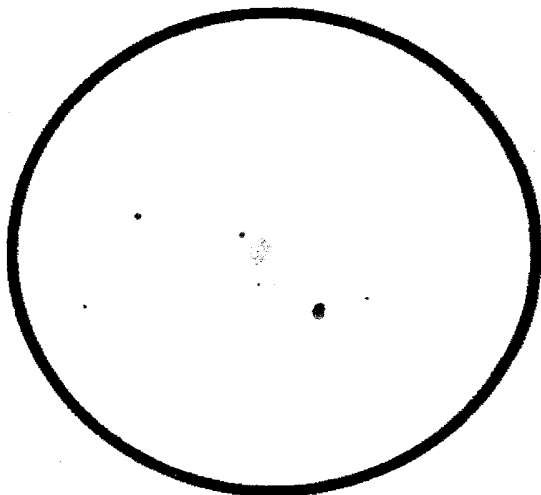
A2

Object ID: NGC 2805

Const.: UMa

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

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



Observer B. Young

Date 1/2/9

Time 10:00 pm

Location RMCC

Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Small elliptical? - No this is
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

JUST THE CORE  
CAN'T SEE  
THE DISK.

Description \_\_\_\_\_

# Observing Log

Object type: Galaxy

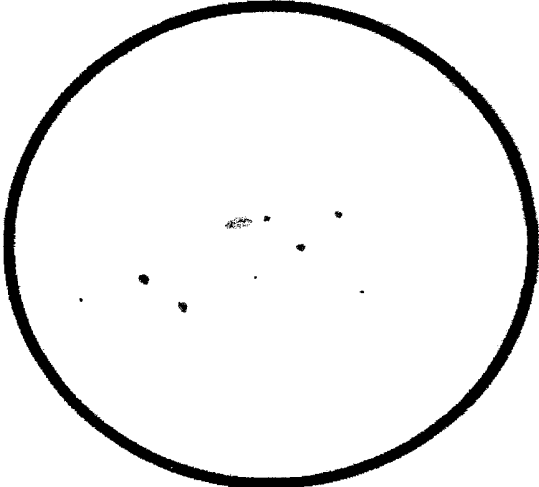
H2

Object ID: N6C 2880

Const.: UMa

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

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



Observer B. Young

Date 1/2/9

Time 10:15 pm

Location RMCC

Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 1.5 x 2 barrel? no - BTB just the core
- Is a core noticeable? That's all of it
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# OBSERVATION LOG

H2

NAME B. 1/0mb	DATE 5/3/8	INSTRUMENT 12"	SEEING I-	OBJECT NAME NGC 2889
SITE GREENLEAF ST. PARK	TIME 11:00pm	POWER 74X	TRANSPARENCY II	CONSTELLATION Hyd
DESCRIPTION Pretty dim field but easy to find, next to 2 stars. Spiral? Condensed core, not much detail but stands out ok, with AV Compact				

H2

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 2986
SITE "	TIME 11:10pm	POWER "	TRANSPARENCY "	CONSTELLATION Hyd
DESCRIPTION Small dim glow, off of a Δ of stars, side that has a wide dbl. Compact nucleus, can't be sure of type of galaxy 11 mag, DV. No add'l detail w/ Right eye or AV				

H2

NAME C)	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 3162
SITE "	TIME 11:20pm	POWER "	TRANSPARENCY "	CONSTELLATION Leo
DESCRIPTION Fairly dim, large possibly spiral, well seen w/ compact nucleus, AV brings out a little more glow area				

NOTE: STARTING TO GET SOME DEW

H2

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 3177
SITE "	TIME 11:30pm	POWER "	TRANSPARENCY "	CONSTELLATION Leo
DESCRIPTION Easy one to find off S. AV only, no sign of nucleus or any detail				

127

Observing Log  
Object type: Galaxy

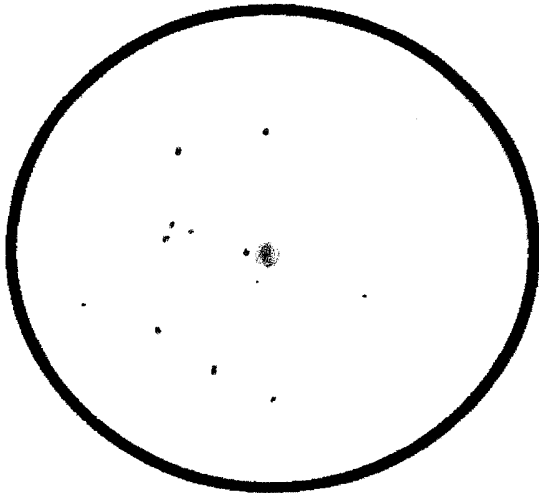
Nor SW  
H2

Object ID: NGC 3027

Const.: UMa

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

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



Observer B. Young

Date 3/31/9

Time 10:25

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Nb
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Nb
- Are there any other deep-sky objects in the same field of view? If so, what? Nb

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

# Observing Log

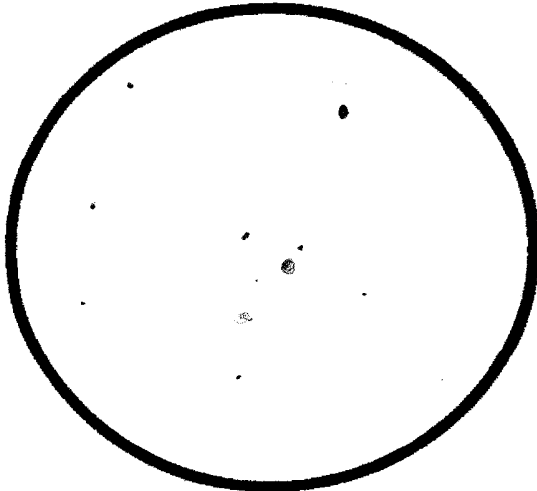
Object type: Galaxy

Object ID: NGC 3065<sup>42</sup>/3066

Const.: UMa

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

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



Observer B. Young

Date 3/31/9

Time 10:40

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round & oval
- Is a core noticeable? Y/N
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? X2
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Other

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

# Observing Log

Object type: Galaxy

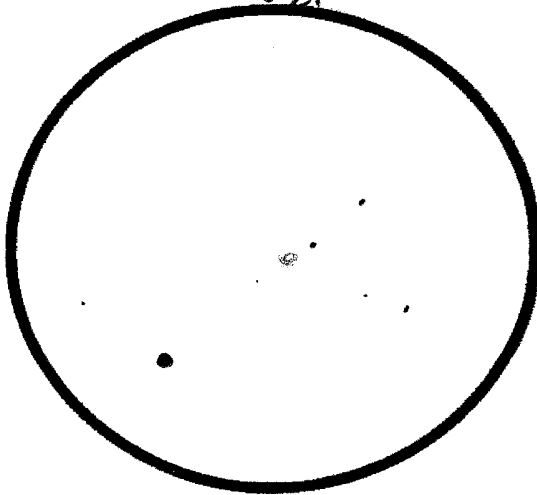
H2

Object ID: NGC 3067

Const.: Leo

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

Mag: \_\_\_\_\_ Size: 21



Observer B. Young

Date 3/14/09

Time 9:20 pm CDT

Location RMCC

Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Amorphous
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, Δ field

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

# Observing Log

Object type: Galaxy

Object ID: NGC 3078

H2

Const.: Hyd

Observer B. Young

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

Date 3/15/09

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

Time 10:55 PM

Location RMCC

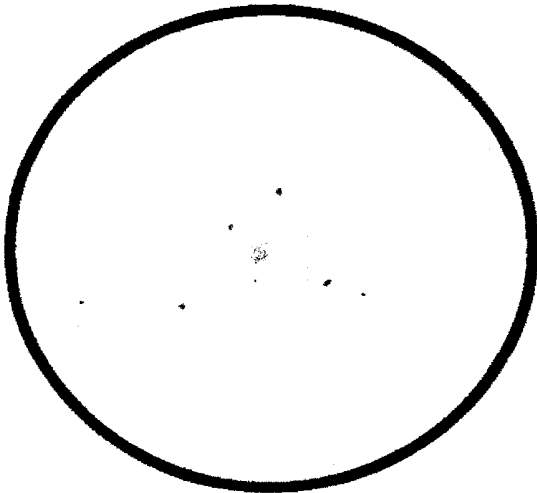
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is <sup>use</sup> ~~averted vision~~ required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 3079 (w/3073)

H2

Const.: UMa

Observer B. Young

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

Date 4/15/9

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

Time 2:05

Location RNCC

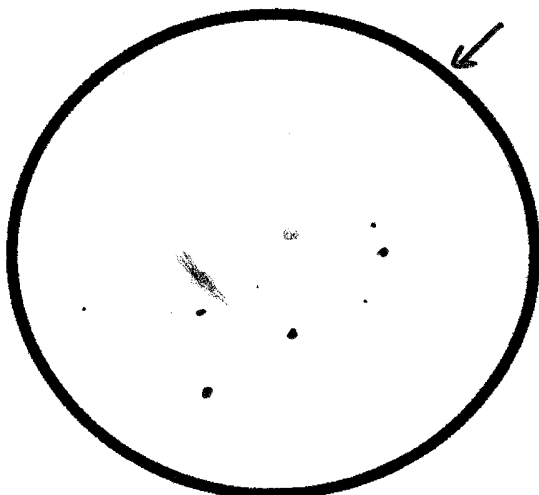
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



• Can this galaxy be seen with direct vision, or is use averted vision required?

• What is the overall shape? Round

• Is a core noticeable? No

• Is the core compact or stellar? —

• Can any detail be seen between the core and the outer envelope of the object? No

• Are the edges of the outer envelope sharp or diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No

• Are there any other deep-sky objects in the same field of view? If so, what? 3073 Amorphous

Description Thought it strange I missed it before -

Not now DM



# OBSERVATION LOG

NAME B. Young	DATE 5/3/8	INSTRUMENT XT-12"	SEEING I-	OBJECT NAME NGC 3649
SITE GREENLEAF ST. PARK	TIME 11:40pm	POWER 74x	TRANSPARENCY II (DEW)	CONSTELLATION Leo
DESCRIPTION				
Seen well, not bright. One to west similar, any easier to see. New star, 2:1 dimensions, poss. spiral				

172

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 3646
SITE "	TIME 11:45pm	POWER "	TRANSPARENCY "	CONSTELLATION Leo
DESCRIPTION				
The "one to west" was the target! Similar sight, a little bigger & brighter than its brother. Av helps				

172

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 3107
SITE "	TIME 11:50pm	POWER "	TRANSPARENCY "	CONSTELLATION Leo
DESCRIPTION				
Not 8m star. Wouldn't have seen it if not known, dm glow, no detail; Use Av & get away from star.				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
DESCRIPTION				

173

# Observing Log

Object type: Galaxy

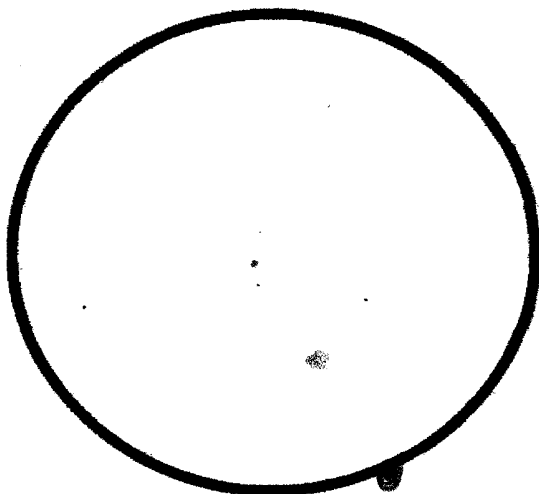
H2

Object ID: Ngc 3145

Const.: H71

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

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



Observer B Yonk

Date 4/26/8

Time 12:30

Location PNCC

Seeing I Transparency I

Instrument XT12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, Sun, 1st SW, 2nd SW

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

# Observing Log

Object type: Galaxy

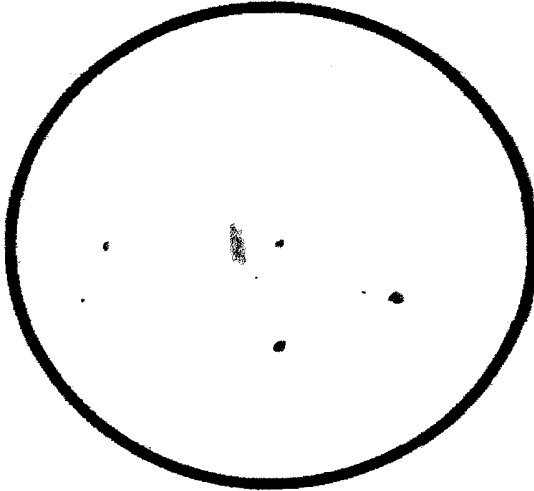
H2

Object ID: N6C 3156

Const.: Sex

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

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



Observer B Young

Date 4/26/0

Time 12:10

Location MCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 2:1 elliptical
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

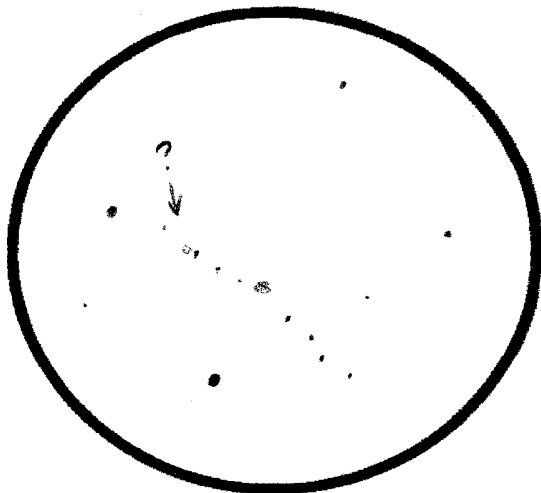
H2

Object ID: NHC 3158

Const.: LMi

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

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



Observer B. Young

Date 3/14/09

Time 9:30 CDT

Location RMCC

Seeing II Transparency III

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Another very faint galaxy seen AV

Description \_\_\_\_\_



www.AstroMax.com

The American Association of Amateur Astronomers

## Observing Log

H2-3177  
3262  
4124Observer: B YoungLocation: Adams RanchPage: 2

INDEX	Period - Instrument		Notes
Object NGC 3193	Date 5/28/16	Time 10:30	sm but bright elliptical right s of fs
	Power 36x	Seeing II	
	Type Instrument XE-12		
Object NGC 3190	Date	Time	A little dimmer than 3193 FCN, circular glow, a little smaller
	Power	Seeing	
	Type Instrument		
Object NGC 3185	Date	Time	Seen, much sm, much dimmer than 3193/3190, forms D w/ 2 fs No nvc, sm. dim glow but DV
	Power	Seeing	
	Type Instrument		
Object NGC 3177	Date	Time	Seen - very dim stellar nvc. DV Nice fld, No detail small
	Power	Seeing	
	Type Instrument		
Object NGC 3162	Date	Time	Nice fld, 10m D, fairly easy DV CN, spiral looking, not much detail
	Power	Seeing	
	Type Instrument		
Object NGC 3862	Date	Time 10:55	fairly seen, sm, diffuse <sup>large</sup> glow, not much detail, near 4 stars
	Power	Seeing	
	Type Instrument		
Object NGC 3968	Date	Time	Doesn't stand out real well - but seen small ellipse, CN, in asterism of 4 fs
	Power 36x	Seeing	
	Type Instrument		
Object NGC 4037	Date	Time	Not hard to miss, near AE Vir, rather F It is seen, but no detail, sm
	Power	Seeing	
	Type Instrument		
Object NGC 4124	Date	Time 11:20	Found easily - elongated, fs near to it nice bright sm
	Power	Seeing	
	Type Instrument		
Object NGC 4067	Date	Time	Very dim, next to fs, small, sm elliptical
	Power	Seeing	
	Type Instrument		

137

# Observing Log

Object type: Galaxy

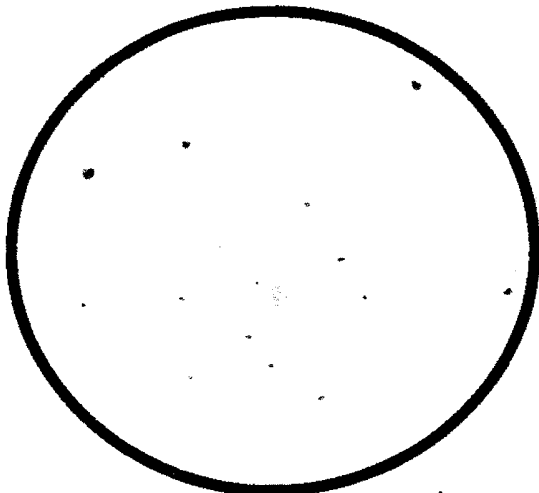
H2

Object ID: NGC 3225

Const.: UMa

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

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



Observer B. Young

Date 4/15/9

Time 12:30

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? diffuse
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? EDV

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

# HERSCHEL OBSERVATIONS

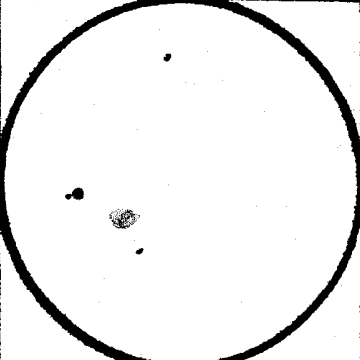
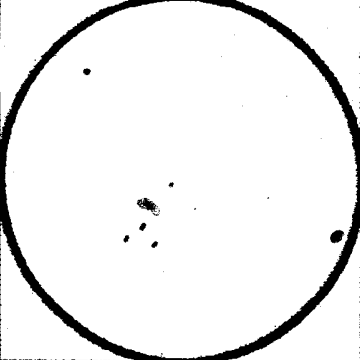
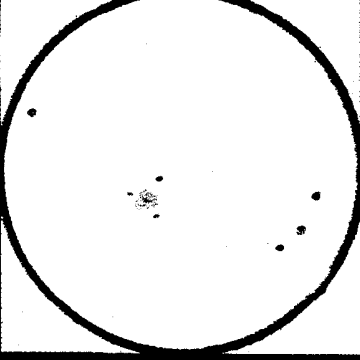
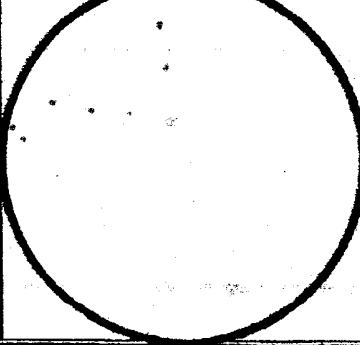
NOC M65/66		SITE RMCC	SEING II	TRANS II
CONST Luo		INSTR XT-12	EYEPiece 2x42	POWER 752
DATE 3/14/09		COMMENTS		
TIME 10:35				
NOC M105		SITE ↓	SEING ↓	TRANS ↓
CONST 11		INSTR ↓	EYEPiece ↓	POWER ↓
DATE 11		COMMENTS 2nd Lobe?		
TIME 10:48				
NOC 3596		SITE ↓	SEING ↓	TRANS ↓
CONST 11		INSTR ↓	EYEPiece ↓	POWER ↓
DATE 11		COMMENTS RAMP GROW - NICE & EVEN NO NUCLEUS		
TIME 11:00				
NOC 3254		SITE ↓	SEING ↓	TRANS ↓
CONST LMi		INSTR ↓	EYEPiece ↓	POWER ↓
DATE 11		COMMENTS Elongated, compact nucleus. NICE		
TIME 11:20				

H2

H2

139

# HERSCHEL OBSERVATIONS

NOC 3287		SITE RMCC	SEING #	TRANS III	
CONST Leo		INSTR XT-12	EYEPiece 2x42	POWER 75X	
		COMMENTS			
		Nice Round Glow, HMT			
		OF SQUARE NUCLEUS			
DATE 3/14/09					
TIME 10:00 CST					
NOC 3301		SITE RMCC	SEING II	TRANS II	
CONST Leo		INSTR XT-12	EYEPiece 2x42	POWER 75X	
		COMMENTS			
		Elongated, Compact			
		nucleus			
DATE 3/14/09					
TIME 10:15 CST					
NOC 3274		SITE "	SEING "	TRANS "	
CONST "		INSTR "	EYEPiece "	POWER 70X	
		COMMENTS			
		Small glow w/ compact			
		nucleus / ring			
DATE "					
TIME 10:25 CST					
NOC 3659		SITE "	SEING "	TRANS "	
CONST "		INSTR "	EYEPiece "	POWER "	
		COMMENTS			
		TINY, NOT SEEN, NO			
		DETAIL			
DATE "					
TIME 10:40					

H2

∴ Cees  
on  
any  
7x50  
finder

H2

H2

140



Observing Log  
Object type: Galaxy

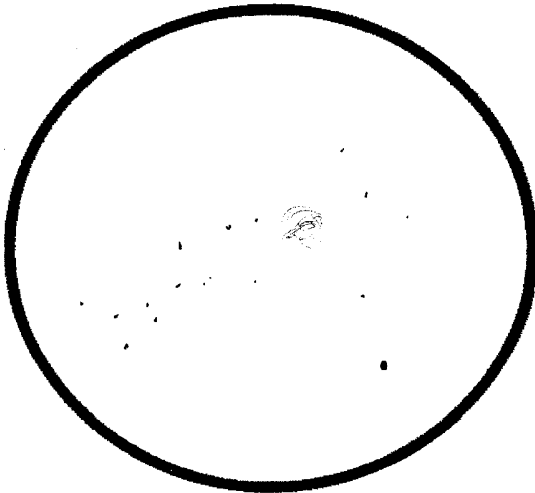
H2

Object ID: NGC 3319

Const.: UMa

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

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



Observer BY

Date 5/20/17

Time 12:10 AM CDT

Location RMCC

Seeing 1.5 Transparency HT

Instrument XT-12

Size 12

Eyepiece 25

Field of view \_\_\_\_\_ Power 60x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Bar? - yes! verified ngc.org
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Faint halo - I suspect bar NE-W

# HERSCHEL OBSERVATIONS

NOC 3428/a		SITE RMCC	SEEING II	TRANS III
CONST Leo		INSTR XT-12	EYEPiece 2x42	POWER 7x
		COMMENTS		
		WHILE IN AREA		
		NICE SMALL GROWS		
DATE 3/14/09				
TIME 9:30				
NOC 3338		SITE "	SEEING f	TRANS "
CONST Leo		INSTR "	EYEPiece f	POWER 7x
		COMMENTS		
		Slight stellar nuc (not obvious)		
DATE "				
TIME 9:45				
NOC 3666		SITE f	SEEING f	TRANS f
CONST "		INSTR f	EYEPiece f	POWER 7x
		COMMENTS		
		Rond No Nuc		
DATE "				
TIME 10:00				
NOC 3705		SITE f	SEEING f	TRANS f
CONST "		INSTR f	EYEPiece f	POWER f
		COMMENTS		
		Small rond glow - hint of stellar nucleus		
DATE 3/14/09				
TIME 10:20				

H2

H2

H2

142

# Observing Log

Object type: Galaxy

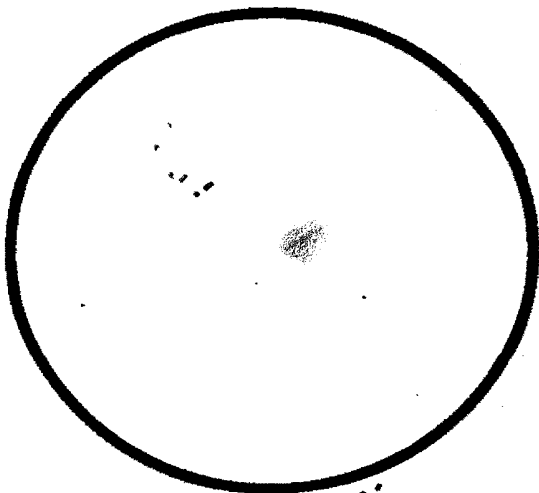
H2

Object ID: NFC 3359

Const.: UMa

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

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



Observer B. Young

Date 3/31/9

Time 11:00

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? lopsided
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No, nice asterisk

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

# Observing Log

Object type: Galaxy

H2

Object ID: NCC 3424/3430

Const.: LMI

Observer B. Young

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

Date 3/14/09

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

Time 9:45 CDT

Location RMCC

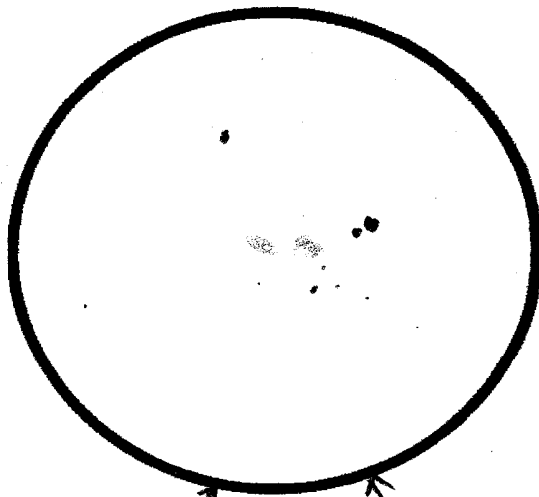
Seeing II Transparency III

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 30 Round 24 elliptical
- Is a core noticeable? No
- Is the core compact or stellar? \_\_\_\_\_
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

Object type: Galaxy

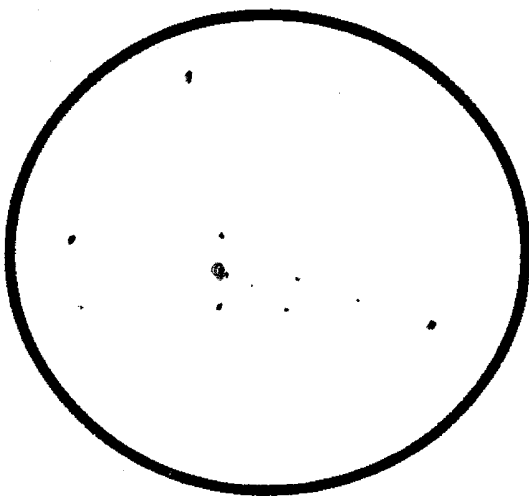
142

Object ID: NGC 3507

Const.: Leo

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

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



Observer B. Yang

Date 6/30/8

Time 10:45 CDT

Location A R

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Soft ball
- Is a core noticeable? Yes - or 3 stars?
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Even @ 150x - still fuzzy

Observing Log  
Object type: Galaxy

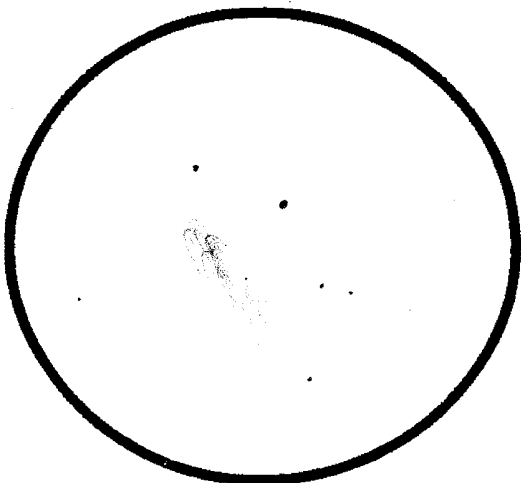
H II

Object ID: Nbc 3511

Const.: Crt

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

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



Observer B York

Date 4/16/7

Time 1:00

Location RMCE

Seeing II Transparency II

Instrument DOB

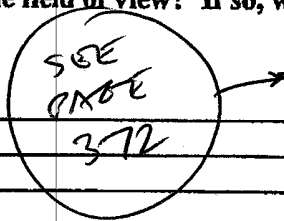
Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Very elongated
- Is a core noticeable? some
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some hints of mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 3513 to S

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



3513 to S  
in 36x

# Observing Log

Object type: Galaxy

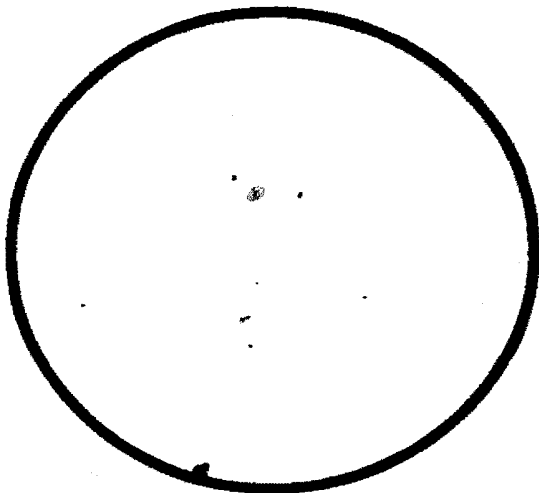
H2

Object ID: NGC 3576

Const.: UMa

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

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



Observer B. York

Date 3/31/9

Time 11:30

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description lovely little

# Observing Log

Object type: Galaxy

Object ID: NGC 3524

H2

Const.: Leo

Observer B. Young

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

Date 3/15/09

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

Time 10:30 CST

Location \_\_\_\_\_

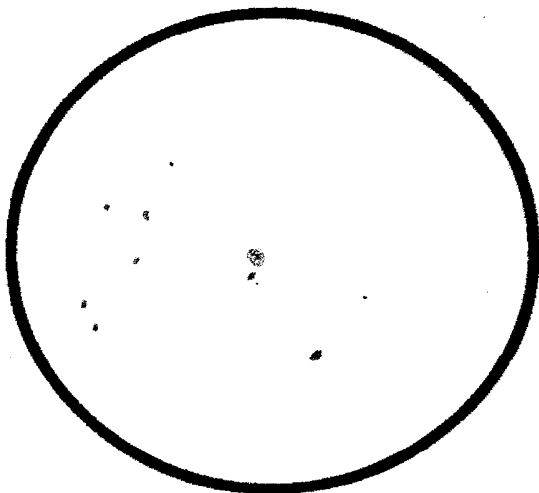
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



Observing Log  
Object type: Galaxy

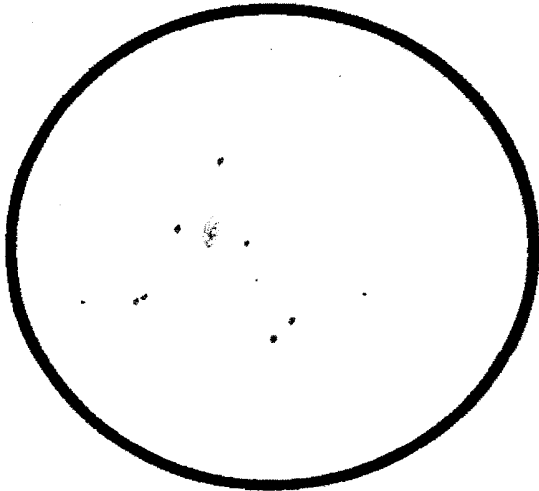
H2

Object ID: Ngc 3547

Const.: Leo

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

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



Observer B. Yount

Date 3/15/09

Time 10:15 CDT

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75X

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? sl. elongated
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

3583 = H2

Object: NGC 3583 / 3577	Date: 4/15/9	UTC/civil
Right Ascension:	Time: 2:00	UTC/std/ds
Declination:	Seeing: Transparency: II	
Constellation: UMa	Steadiness: II	
Magnitude:	Temperature:	
Size:	Telescope: XT-12	
	Eyepiece/Magnification: 10mm / 150x	
	Filters:	

## Notes:

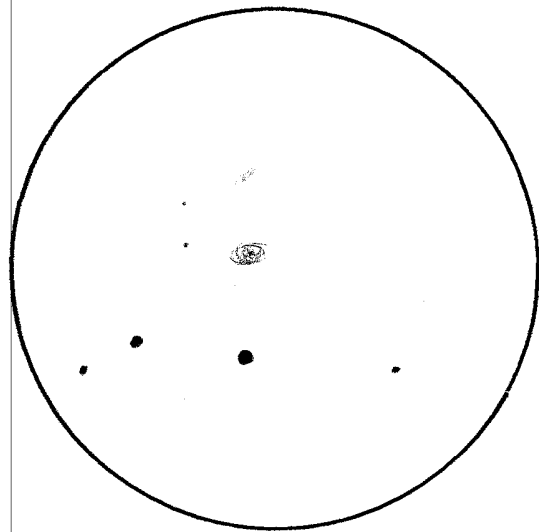
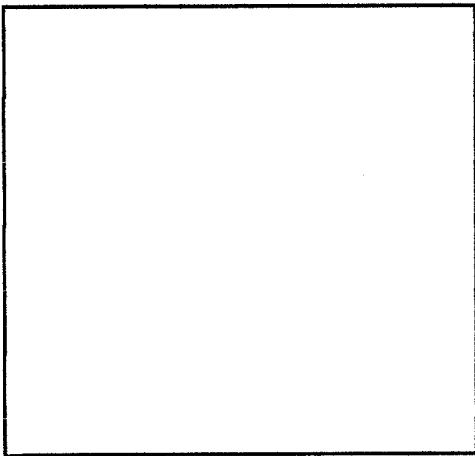
3583 oval glow w/ stellar nucleus & some graniness

3577 tiny faint glow

Finder Chart:

Field Size:

0.4



Observer: B. Young

150

# Observing Log

Object type: Galaxy

H2

Object ID: N7C 4220 (+ 4218)

Const.: CVn

Observer B. Young

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

Date 3/25/9

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

Time 10:30 CDT

Location RMCC

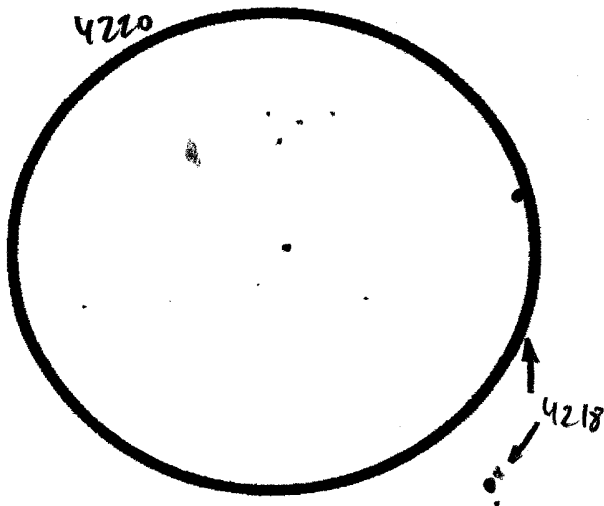
Seeing II Transparency I

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 4218 nearby

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

# Observing Log

Object type: Galaxy

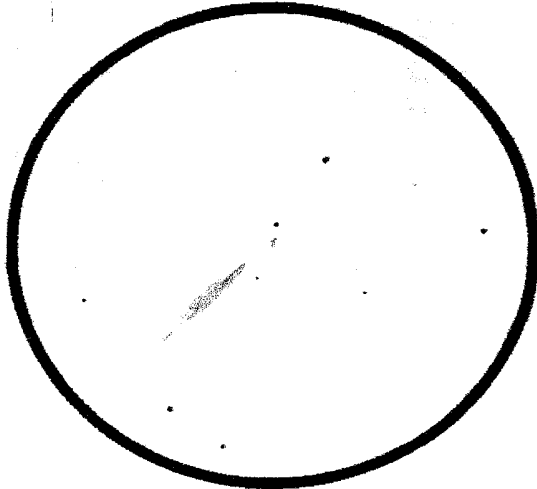
42

Object ID: NLC 4244

Const.: CnV

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

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



Observer B young

Date 6/7/8

Time 1:50

Location RMce

Seeing III Transparency II

Instrument XT12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required? *but use to extend*
- What is the overall shape? Very elong 16:1
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Very nice!

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

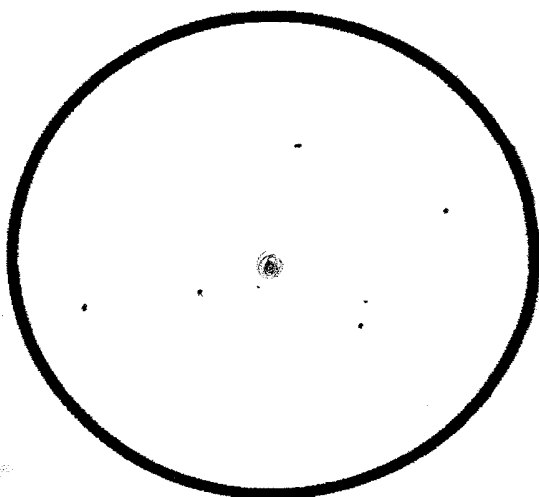
H2

Object ID: N6C 4250

Const.: Dr

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

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



Observer B. Young

Date 7/6/8

Time 1:50

Location RMCC

Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

• Can this galaxy be seen with direct vision, or is use averted vision required?

• What is the overall shape? Round

• Is a core noticeable? yes

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object? Some hints of structure

• Are the edges of the outer envelope sharp or SI diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? SI

• Are there any other deep-sky objects in the same field of view? If so, what? No

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

Observing Log  
Object type: Galaxy

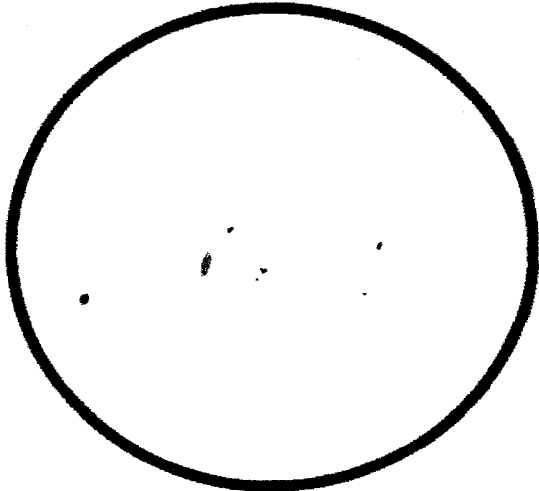
H2

Object ID: NLC 4256

Const.: Orn

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

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



Observer B. Young

Date 7/6/8

Time 1:45

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? 2x1 elong
- Is a core noticeable? slightly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? A hint of mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

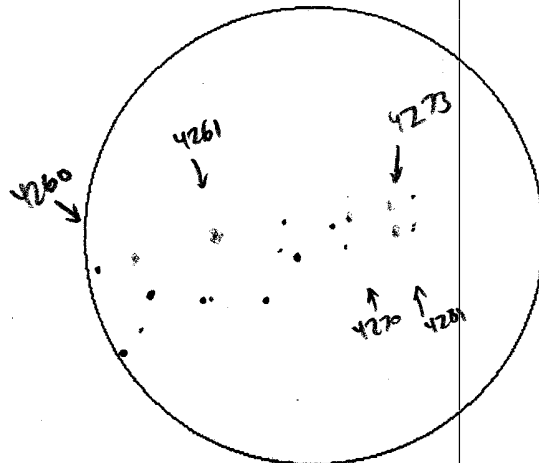
H II  
(426084270)  
84339

NGC 4260 4273  
4261 4270

Observation Log Sheet

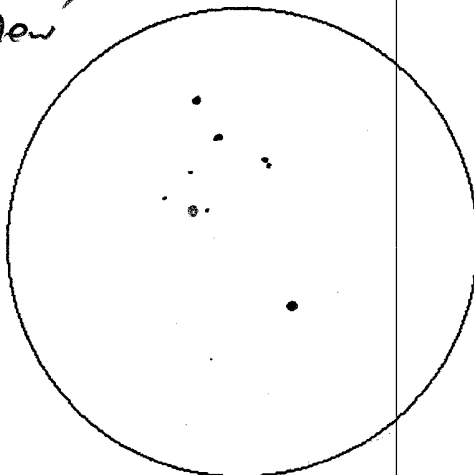
Object \_\_\_\_\_ Date 4/22/6  
 Constellation \_\_\_\_\_ Time 11:30 EDT  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X5-12  
 Eyepiece / Magnification 42/37x

Notes: Great field!



Object NGC 4339 Date 4/22/6  
 Constellation \_\_\_\_\_ Time 11:45 EDT  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X5-12  
 Eyepiece / Magnification 42/37x

Notes: Not too dim,  
round enough



# HERSCHEL OBSERVATIONS

NOC 5383		SITE RMCC	SEEING II	TRANS I
CONST CVn		INSTR XT-12	EYEPIECE 2x42	POWER 75
DATE 3/26/9		COMMENTS Round even glow w/ stellar nucleus		
TIME 12:10				
NOC 4264		SITE "	SEEING "	TRANS "
CONST Vir		INSTR "	EYEPIECE "	POWER "
DATE "		COMMENTS Elliptical - Round glow w/ stellar nucleus		
TIME 12:25				
NOC 4294/99		SITE ↓	SEEING ↓	TRANS ↓
CONST 4313		INSTR ↓	EYEPIECE ↓	POWER ↓
DATE "		COMMENTS 4294 elong, even; 4299 oval nonnucleuses • 4371 lifted in after recording the others 4313 sl. elong, no nuc.		
TIME 12:40				
NOC 4267		SITE ↓	SEEING ↓	TRANS ↓
CONST Vir		INSTR ↓	EYEPIECE ↓	POWER ↓
DATE "		COMMENTS sl. nuc, even round glow		
TIME 12:55				

H2

H2

H2x3

H2

205



# Observing Log

H 2(4290)

Object: <u>NGC 4290/4284</u>	Date: <u>4/15/9</u>	UTC/ <u>civil</u>
Right Ascension:	Time: <u>1:45</u>	UTC/std/ds
Declination:	Seeing: <u>II</u>	Transparency: <u>II</u>
Constellation: <u>UMa</u>	Steadiness: <u>II</u>	
Magnitude:	Temperature:	
Size:	Telescope: <u>XT-12</u>	
	Eyepiece/Magnification: <u>10mm/150X</u>	
	Filters:	

## Notes:

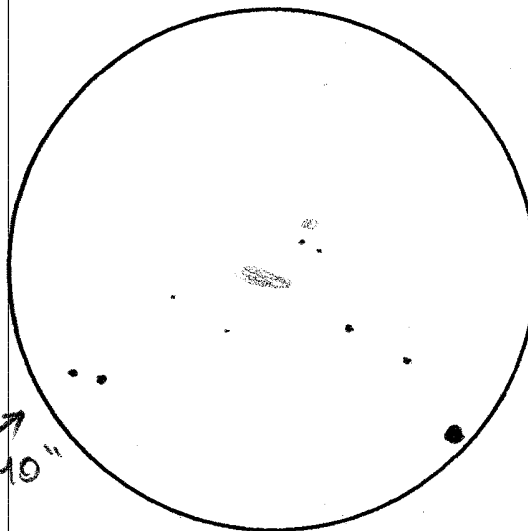
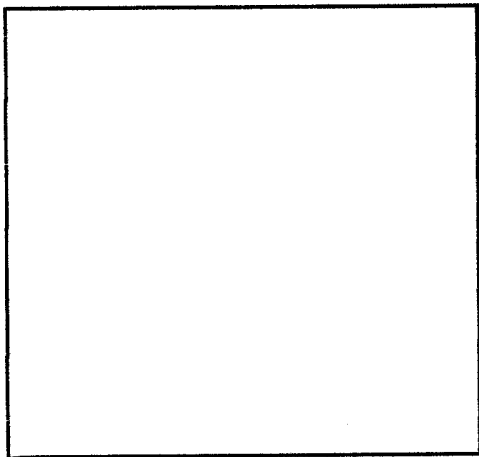
4290 elongated, even glow, no nucleus.

4284 much smaller & fainter, no details

Finder Chart:

Field Size:

0.4



Observer: B. Young

206

# Observing Log

Object type: Galaxy

Object ID: NGC 4291 / 4319

H 2

Const.: Dr

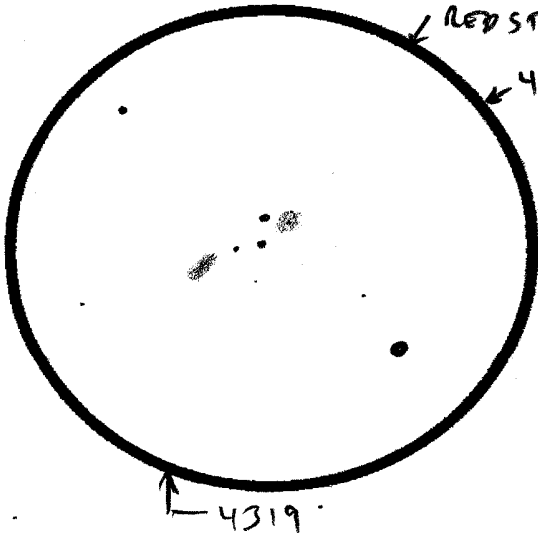
Observer B. Toub

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

Date 4/22/9

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

Time 2:15 AM



Location RMCC

Seeing I - Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 4291: Round 4319: Elong.
- Is a core noticeable? Somewhat (both)
- Is the core compact or stellar?  
4319 4291
- Can any detail be seen between the core and the outer envelope of the object? Some mottling on 4319
- Are the edges of the outer envelope both fairly sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? ↑
- Are there any other deep-sky objects in the same field of view? If so, what? Each other & an excellent field w/ D & red star

Description \_\_\_\_\_



www.AstroMax.com

The American Association of Amateur Astronomers

# Observing Log

H2-4298  
4302

Observer: B YOUNG Location: ADAMS RANCH Page: 4

INDEX	Period - Instrument		Notes
Object N6C 4298	Date 5/28/6	Time 11:40	WEST SIDE OF PATE B, 58N
	Power 36	Seeing II	
	Type Instrument XT-12		
Object N6C 4302	Date	Time	EXTREME, elong 3x1 also N/S Gap between them
	Power	Seeing	
	Type Instrument		
Object M4	Date	Time	Completely res'd even @ 36x!
	Power	Seeing	
	Type Instrument		
Object M57	Date 5/29/6	Time 12:00	12.4 mm slightly oblong, "darker" on E side & nice as that side
	Power	Seeing II	
	Type Instrument		
Object M52	Date	Time	12.4 mm nice, brighter than I remember
	Power	Seeing	
	Type Instrument		
Object	Date	Time	Rita in Milky Way from Derek to & Cep, with NW-SE "slash" into Ery very prominent! some tendrils too
	Power IX	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		

208

# Observing Log

Object type: Galaxy

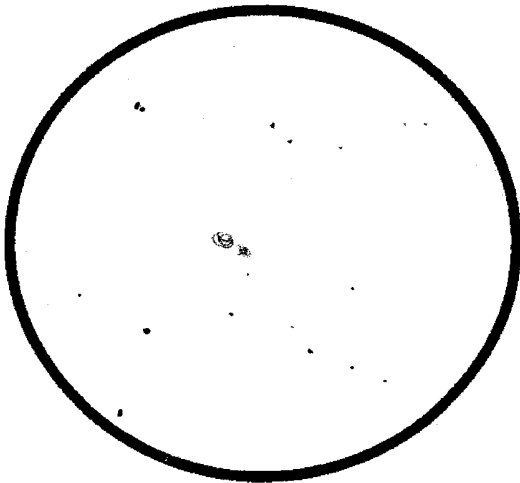
H2

Object ID: NBC 4298/4302

Const.: Cam

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

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



Observer B. Yount

Date 4/5/8

Time 12:40 AM

Location RMCC

Seeing II Transparency II-

Instrument X-12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Rough
- Is a core noticeable? only 4298
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description Very difficult to split them at 72x -  
Not sure I did, some hint of space  
between them

# Observing Log

Object type: Galaxy

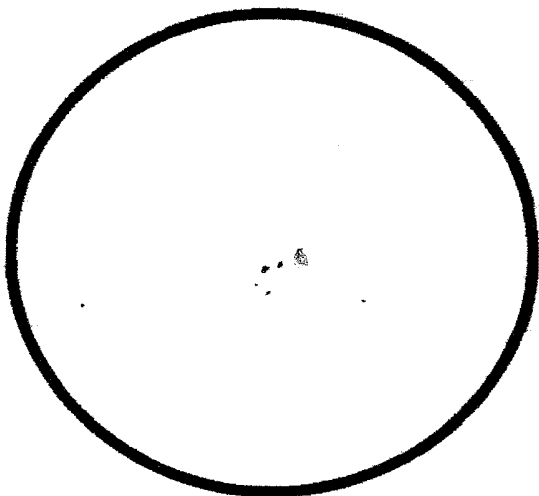
182

Object ID: NGC 4310

Const.: Com

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

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



Observer B. J. Smith

Date 6/7/8

Time 1:20

Location RMCC

Seeing III Transparency II-

Instrument X-T-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? one of 78/83/86 seen on way

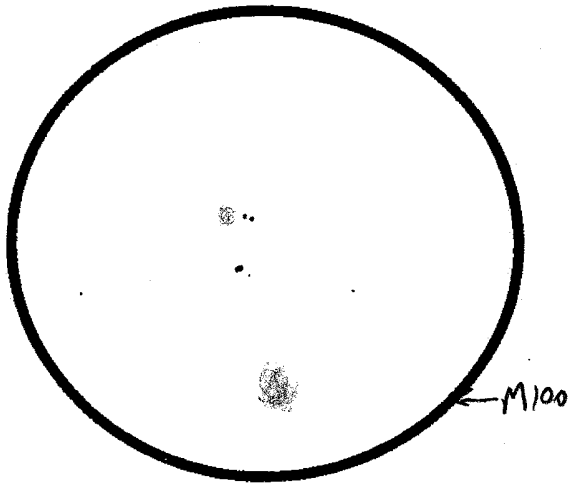
Description 4314 4274 one of 78/83/86 seen on way

Object ID: NGC 4312

Const.: Com

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

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



Observer B. Yount

Date 4/5/8

Time 12:45

Location NMCC

Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? M100

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

(1999 Cole & Pratt)

Object ID: Nfe 4336

H2

Const.: Com

Observer B. Young

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

Date 7/6/8

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

Time 12:08.05

Location RMce

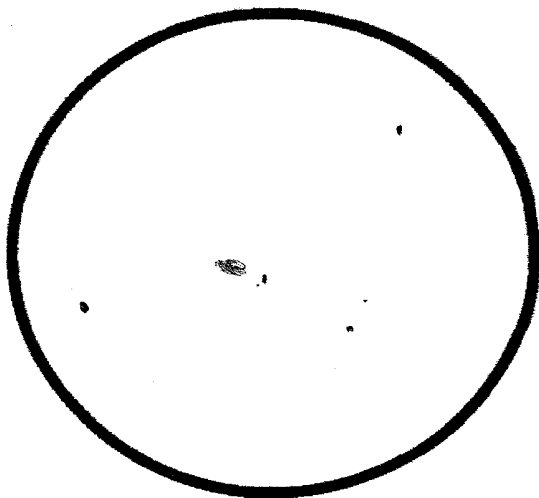
Seeing IV Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is Use averted vision required?
- What is the overall shape? 2x1 elong
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope fairly sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No - even
- Are there any other deep-sky objects in the same field of view? If so, what? No glow

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

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

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

Date 4/5/8

Time 12:50 CD

Location RMCC

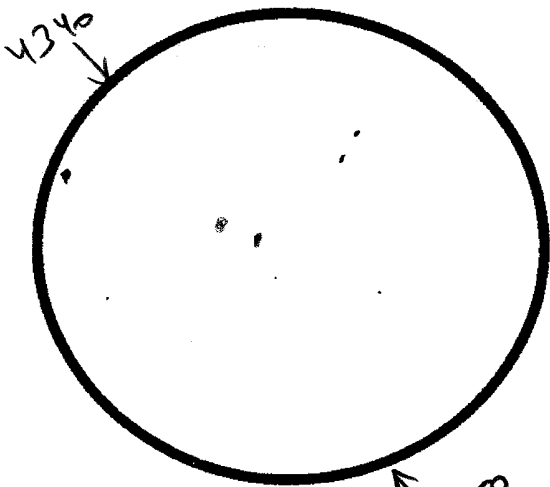
Seeing II Transparency II-

Instrument XT12

Size 12

Eyepiece 42+2X

Field of view \_\_\_\_\_ Power 72



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 40 = Oval 50 = Bar
- Is a core noticeable? No, bar
- Is the core compact or stellar? N/A, bar
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? 50 40
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

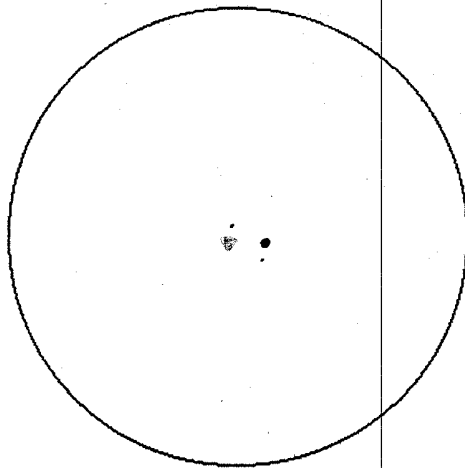
(1999 Cole & Pratt)

213



Object NGC 4350 Date 4/22/6  
 Constellation \_\_\_\_\_ Time 1:55  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X7-12  
 Eyepiece / Magnification 42/37x

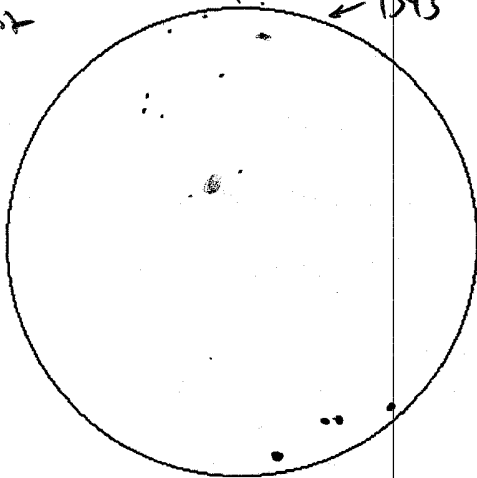
Notes:



Object NGC 4365 + 4343 Date 4/22/6  
 Constellation \_\_\_\_\_ Time 2:00 CDT  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X7-12  
 Eyepiece / Magnification 42/37x

Notes: 4343 small, seen  
 div, elong a bit

4365 brighter  
 larger, oval,  
 even glow



214

Object ID: Ngc 4369

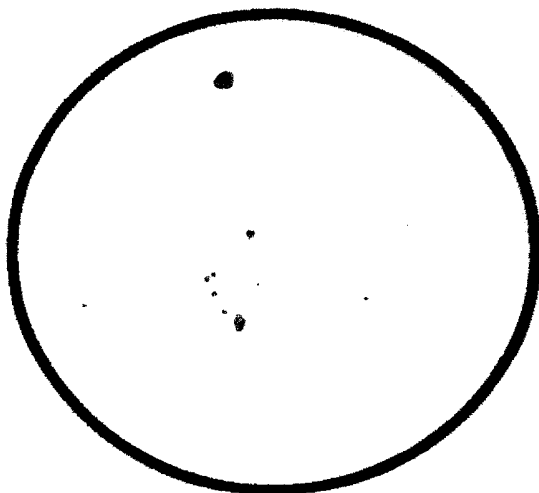
42

Const.: CVnObserver B. Y. M.

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

Date 3/25/9

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

Time 11:45Location RMCCSeeing II Transparency IInstrument X1-12Size 12Eyepiece 2x42Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, nice field

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(1999 Cole &amp; Pratt)

216

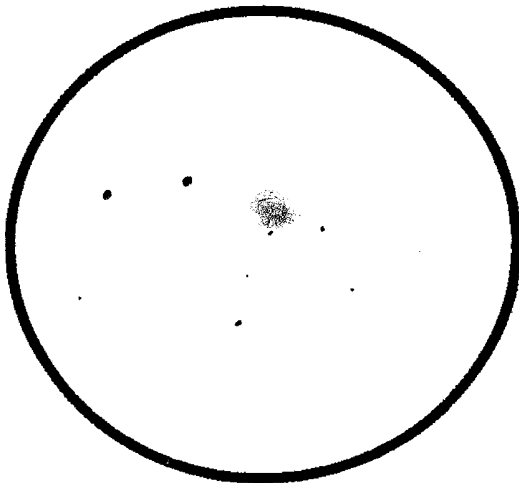
- Is a core noticeable? No
- Is the core compact or stellar? No

Object ID: NGC 7487

Const.: VW

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

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



Observer B Y

Date 4/21/77

Time 12:20

Location RMCC

Seeing III Transparency I-

Instrument XT

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is Use averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

(1999 Cole & Pratt)

219

# Observing Log

Object type: Galaxy

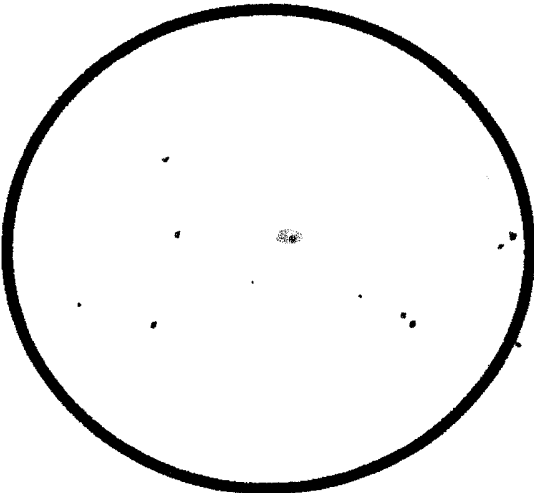
H2

Object ID: N6C 4999

Const.: VV

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

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



Observer B.Y.

Date 4/1/9

Time 1:10

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? Barely
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

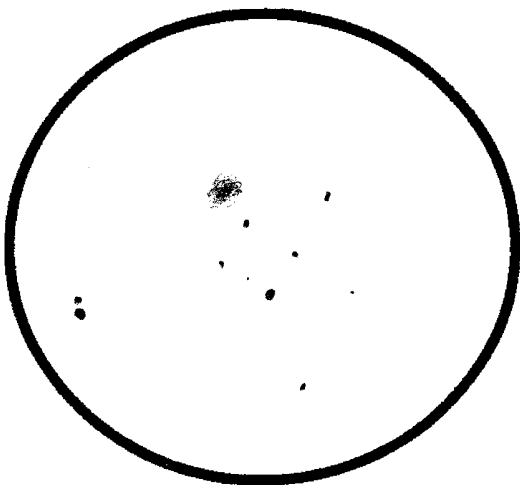
Object type: Galaxy

Object ID: NGC 5012

Const.: Com

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

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



Observer B. Young

Date 7/1/8

Time 12:30 CDT

Location Adams Ranch

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round w/bar?
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Yes, looks like a bar w/ stars
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? ↑
- Are there any other deep-sky objects in the same field of view? If so, what? No, cool old

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

# HERSCHEL OBSERVATIONS

NOC 5068		SITE RMCC	SEING II	TRANS I-
CONST Vr		INSTR XT-12	EYEPiece 2x42	POWER 75
		COMMENTS		
		Big, but not too dim		
		Stellar nucleus, hints of		
DATE 3/26/9		noting glow		
TIME 1:30				
NOC 5018/5022		SITE	SEING	TRANS
CONST Vr		INSTR ↓	EYEPiece	POWER
		COMMENTS		
		5018 easy, everglow, no		
		Nucleus, round.		
DATE 11		5022 W only dimglow		
TIME 1:45	5018	5022		
NOC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NOC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				

H2

H2  
(5018)

242

# Observing Log

Object type: Galaxy

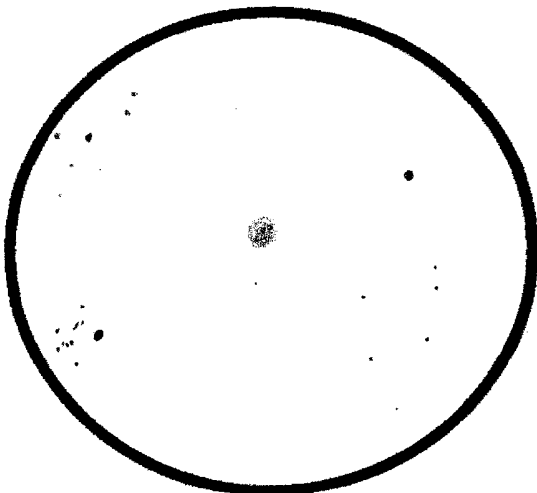
H2

Object ID: NGC 5020

Const.: Vir

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

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



Observer B. Young

Date 4/1/9

Time 12:10

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is we averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Y
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some hint of structure
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

# Observing Log

Object type: Galaxy

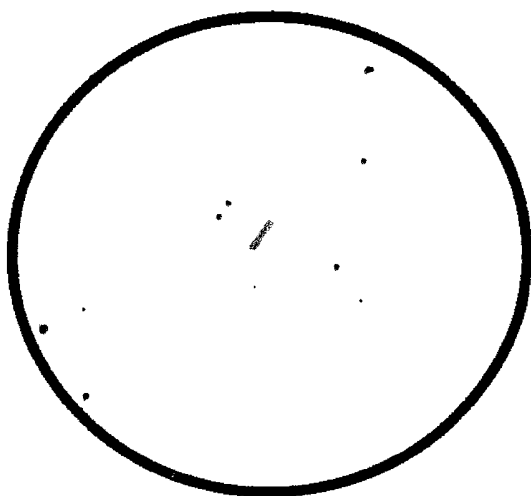
H2

Object ID: NKC 5023

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

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

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



Observer R. Yorn

Date 6/30/8

Time 1:15 cor

Location Adams Ranch

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Needle
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? no
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Galaxy

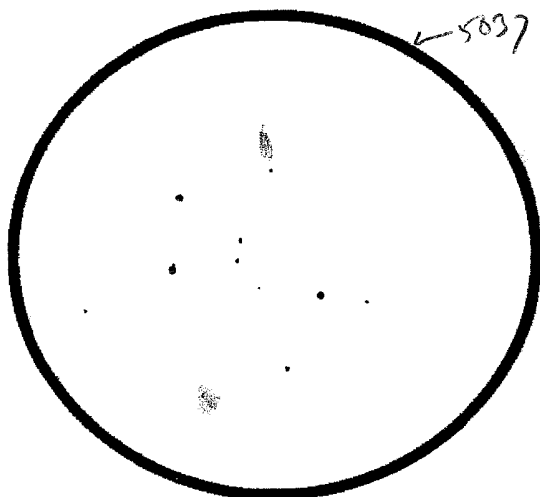
H2

Object ID: NGC 5037/5044

Const.: Vir

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

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



Observer BY

Date 5/20/17

Time 1:00 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elong / Round
- Is a core noticeable? No / yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? and other

Description \_\_\_\_\_

# Observing Log

Object type: Globular Cluster

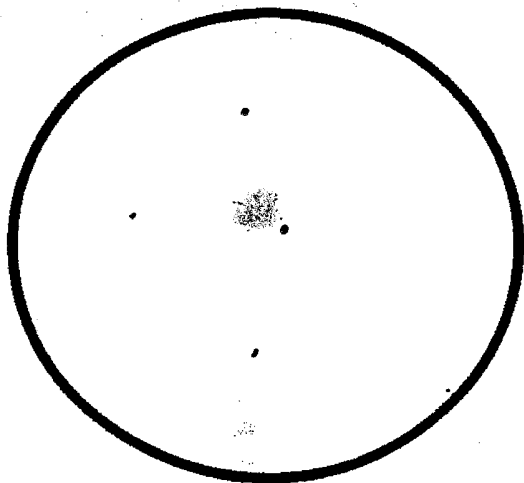
H2

Object ID: NGC 5053

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

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

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



Observer B. Yang

Date 7/1/8

Time 12:45 CDT

Location Adams Ranch

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this cluster be seen with direct vision, or is use averted vision required?
- Is the core unusually bright, compact or not distinguishable?
- Is this globular cluster highly or loosely concentrated?
- Is any part of the cluster resolved into stars? Face only
- Is any mottling visible? Yes
- Can the edges be resolved? ALX
- Are there any other deep-sky objects in the same field of view? If so, what? M53 nearby much brighter

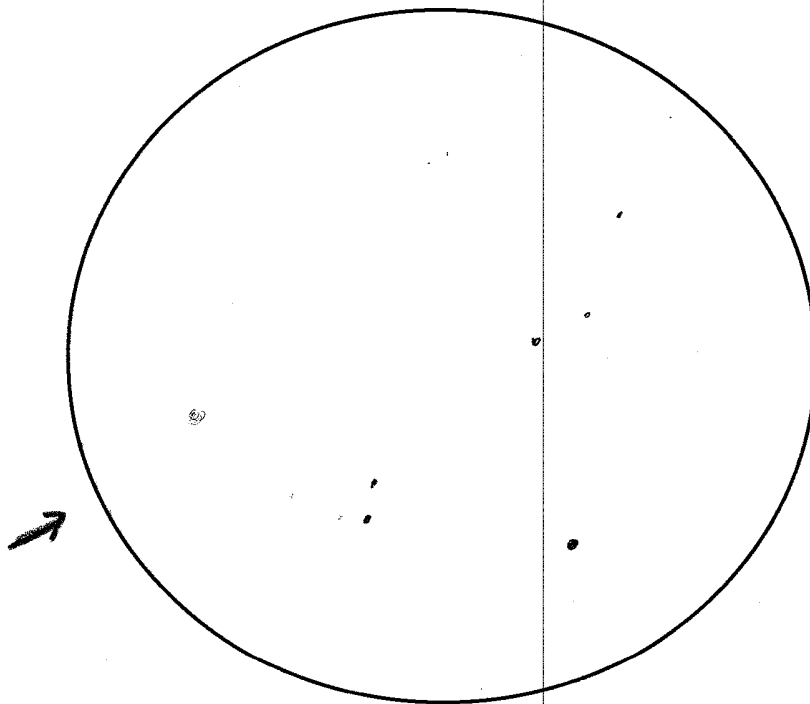
Description "lost" in 150x!

5/30

DATE 5/30/3 TIME 10:45 CST CDT CLARITY I II III IV V SEEING II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT N6C 5053 LOCATION RMCC HOME



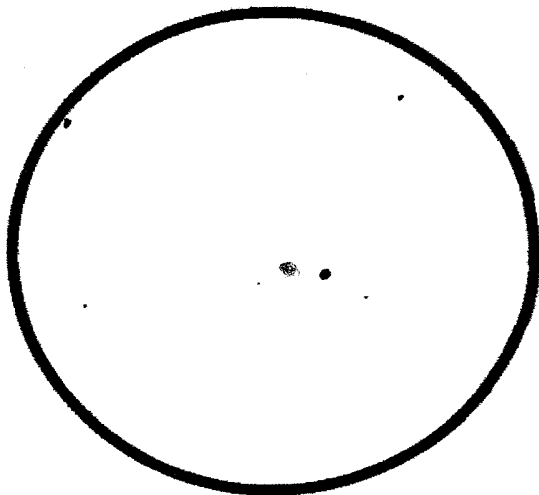
Very small, dim glow - looks like an ellip. galaxy  
but no detail - AV helps

Object ID: NGC 5056

Const.: Cam

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

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



Observer B. Young

Date 7/6/8

Time 12:50

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No or it's all 1 sec(?)
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope a bit sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, on a 9m

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

# Observing Log

Object type: Galaxy

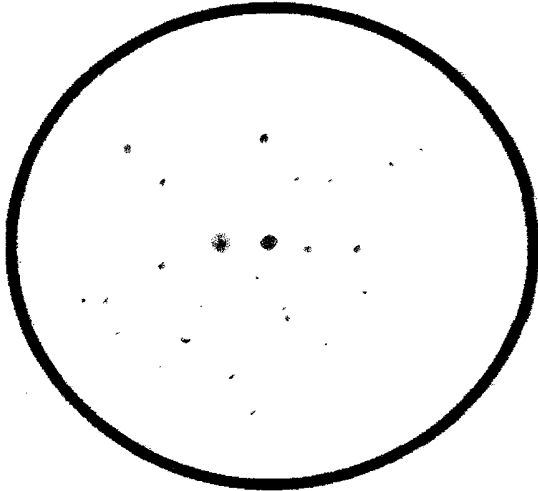
H2

Object ID: NBC 5061

Const.: Hyd

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

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



Observer B Yam

Date 4/26/8

Time 1:00

Location Rncc

Seeing II Transparency II

Instrument X712

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 130

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Rnd
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

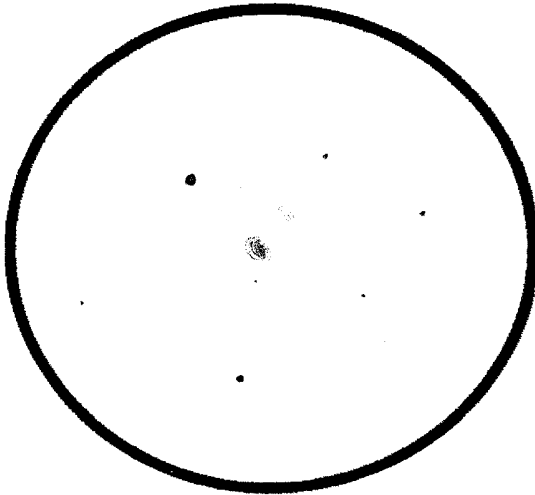
H2

Object ID: NGC 5077 / 5079

Const.: Vir

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

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



Observer BY

Date 5/20/77

Time 12:40 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 25

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

- Can this galaxy be seen with direct vision, or is use 5079 averted vision required?
- What is the overall shape? Round, oval
- Is a core noticeable? in 5077 only
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? both
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? each other

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

# Observing Log

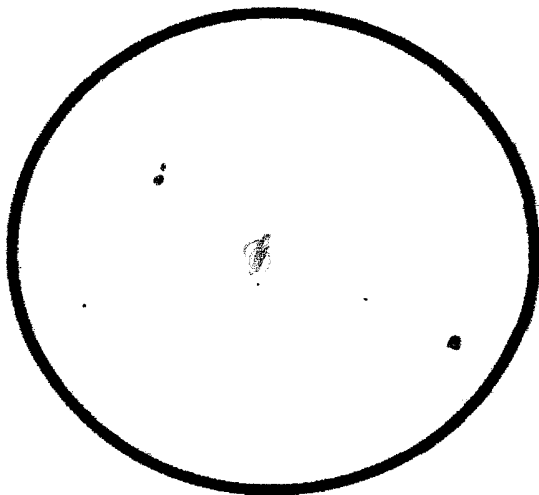
Object type: Galaxy

Object ID: Ngc 5078

Const.: Hyl

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

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



Observer B York

Date 9/26/8

Time 1110

Location RMCC

Seeing II Transparency II

Instrument XST-2

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Bar?
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? Bar
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

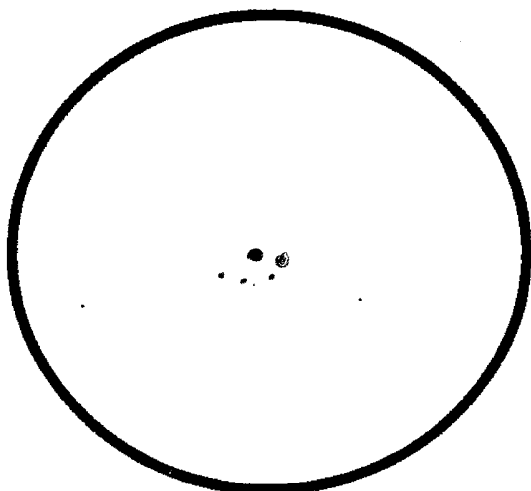
#2

Object ID: NBC 5103

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

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

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



Observer B. Young

Date 6/30/0

Time 1:10 CST

Location Adams Ranch

Seeing II Transparency T-

Instrument XT-12

Size 12

Eyepiece 10mm

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Great field

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



# Observing Log

Object type: Galaxy

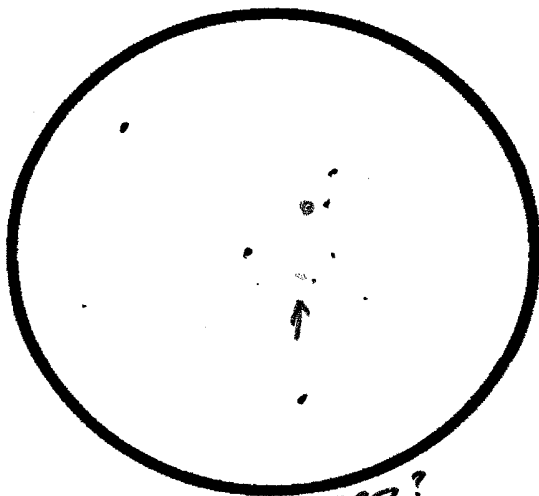
H2

Object ID: NGC 5129

Const.: Vir

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

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



Observer B. Y.

Date 4/1/9

Time 12:30

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object?
- Are the edges of the outer envelope sharp or diffuse? No
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 1st m4

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

Observing Log  
Object type: Galaxy

Object ID: NBC 5204

H2

Const.: UMa

Observer B. Young

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

Date 4/3/9

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

Time 11:00

Location Camp Garmond

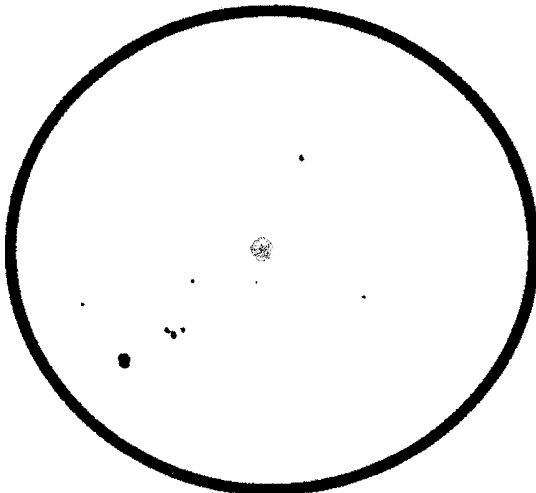
Seeing II Transparency II-

Instrument X7-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 25



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Just hint of spiral structure
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

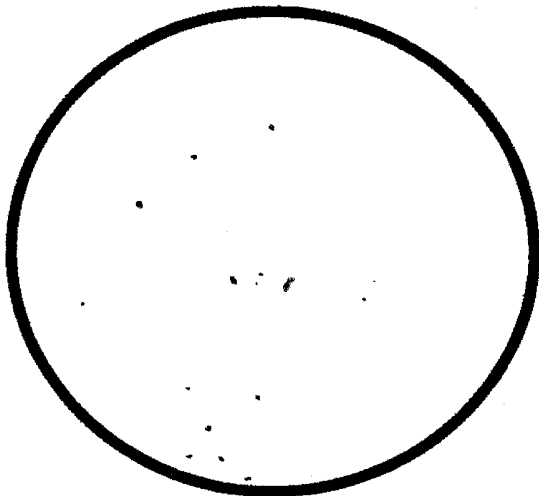
142

Object ID: NGC 5308

Const.: UMa

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

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



Observer B.Y.

Date 4/3/9

Time 1130

Location CAMP GARLAND

Seeing II Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 5371 (+5353/5354/5350/5355/5358)

H2

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

Observer B. Young

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

Date 3/26/9

Mag: \_\_\_\_\_ Size: 5358

Time 12:00

Location RMCC

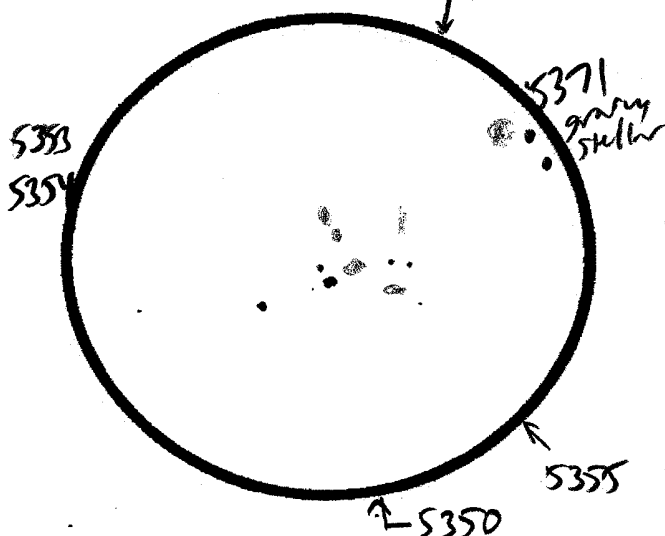
Seeing II Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required? *others use*
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Yes, grainy
- Are the edges of the outer envelope sharp or diffuse? *fairly*
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? *texture*
- Are there any other deep-sky objects in the same field of view? If so, what? Whole group

Others all shapes as shown, No nucleus except h.m.t w/5353

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

# Observing Log

Object type: Galaxy

Object ID: NBC 5443

HZ

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

Observer B. Young

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

Date 6/30/8

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

Time 1:55 CDT

Location Adams Ranch

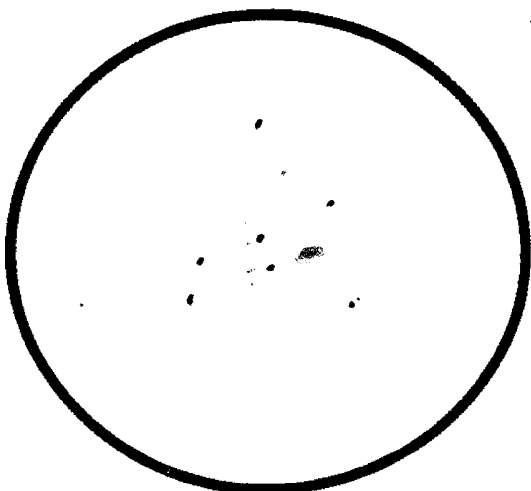
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power ~~9x~~ 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 2x1
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Alt 3  
H2

Object ID: M101 + NGC 5447/48 + ? = 5462

Const.: UMa

Observer B. Young

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

Date 6/30/8

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

Time 1:30 CDT

Location A Lane Ranch

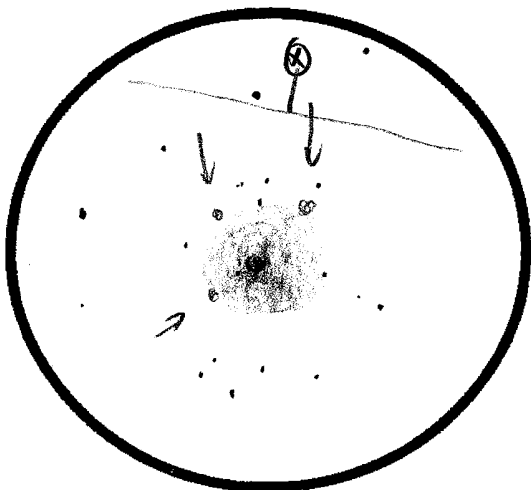
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42mm

Field of view \_\_\_\_\_ Power 75x



• Can this galaxy be seen with direct vision, or is averted vision required? <sup>use</sup>

• What is the overall shape? Round <sup>for</sup> details within

• Is a core noticeable? Yes

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object? Tons

• Are the edges of the outer envelope sharp or diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes

• Are there any other deep-sky objects in the same field of view? If so, what?

Description lots of nebular regions,

some of which are

separate NGC objects

& are H2 objects, too

3 bright patches  
arranged, some  
hint at "arms"  
& lots of texture  
to outer areas.

# Observing Log

Object type: Galaxy

Object ID: NBC 5473/5485

H2

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

Observer B. Yount

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

Date 6/30/8

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

Time 1:50 CDT

Location Adams Ranch

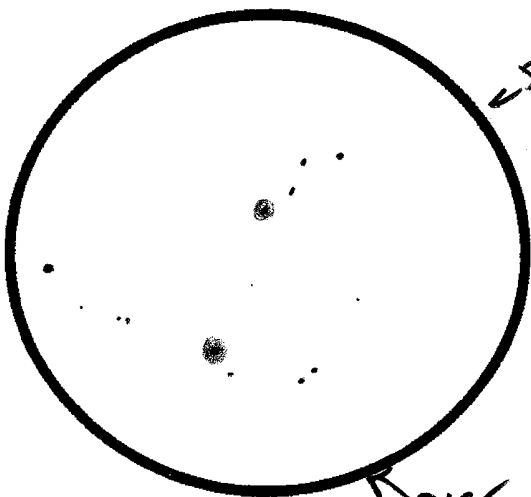
Seeing II Transparency I-

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 70x



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? E71.2
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? NA
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? N
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

Object type: Galaxy

Object ID: N6c 5480/81

182

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

Observer B. Young

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

Date 7/2/8

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

Time 2100 CST

Location RMCC

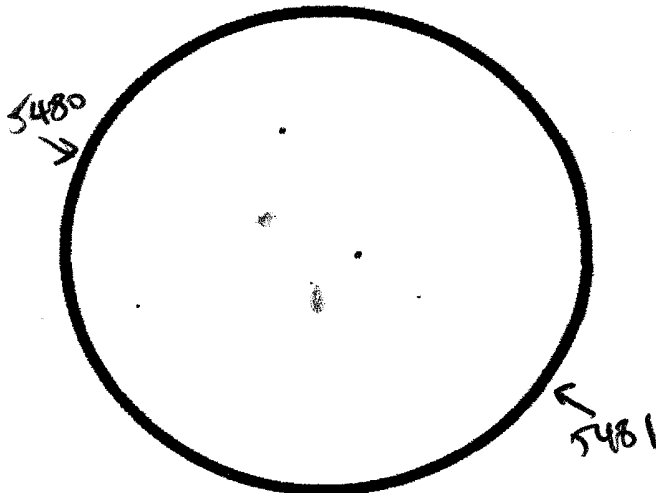
Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round & 2x1
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope <sup>81</sup>sharp or <sup>80</sup>diffuse? (Glowy)
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 2nd obj

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



# Observing Log

Object type: Galaxy

Object ID: NGC 5490

142

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

Observer B. Young

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

Date 7/1/8

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

Time 1:30 CDT

Location Adams Ranch

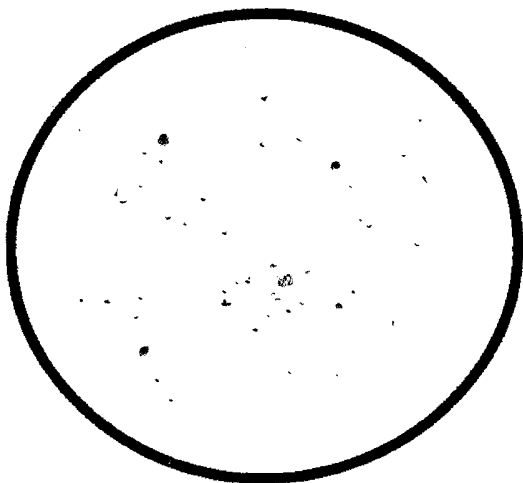
Seeing II Transparency II

Instrument X-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 156X



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? some hints
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# OBSERVATION LOG

H1 (conf) = 5634  
H2 = 54938  
5634  
5426

NAME B YOUNG	DATE 5/20/6	INSTRUMENT XT-12	SEEING III	OBJECT NAME NGC 6534
SITE RMCC	TIME 12:00	POWER 36x	TRANSPARENCY III	CONSTELLATION VIR
DESCRIPTION Nucleus @ 36x but easily seen,				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 5493
SITE "	TIME 12:05	POWER "	TRANSPARENCY "	CONSTELLATION VIR
DESCRIPTION Sl. elliptical, seen but no detail near a square of fs				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 5468
SITE "	TIME 12:10	POWER "	TRANSPARENCY "	CONSTELLATION VIR
DESCRIPTION Sitting on top of 9m fs, amorphous glow, no nucleus, no size - fades out small dm glow, DV, NV no help shape				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 5426/7
SITE "	TIME 12:13	POWER "	TRANSPARENCY "	CONSTELLATION VIR
DESCRIPTION Elongated, can't split @ this power, N end seems brighter Oddly shaped, can see hint of duplicity				

264

# Observing Log

Object type: Galaxy

H 2

Object ID: NbC 5506/7

Const.: Vn

Observer B Young

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

Date 6/29/8

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

Time 10:30 pm

Location ADAMS

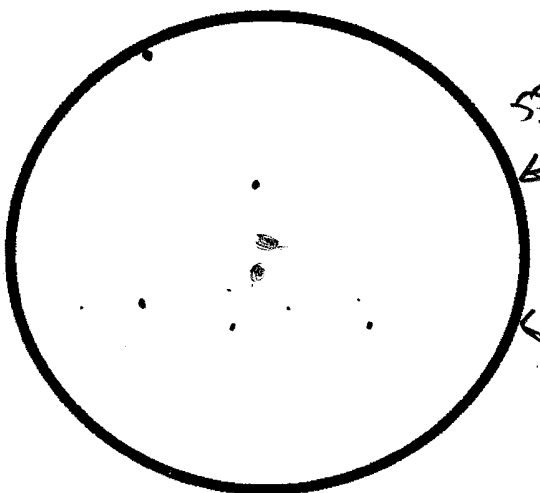
Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 12x2

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? one 2x1, other ellip
- Is a core noticeable? yes / yes
- Is the core compact or stellar? x2
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? each other

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

# Observing Log

Object type: Galaxy

142

Object ID: N6C 5520

Const.: Boo

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

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

Observer B. Young

Date 7/2/8

Time 1130 COT

Location RMCC

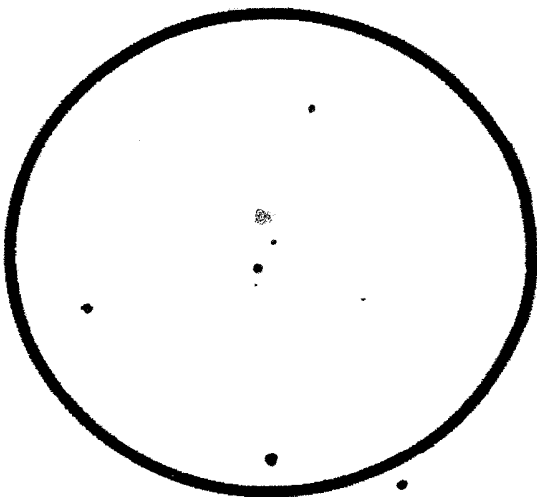
Seeing II - Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? NO
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? NO
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? NO
- Are there any other deep-sky objects in the same field of view? If so, what? EDV

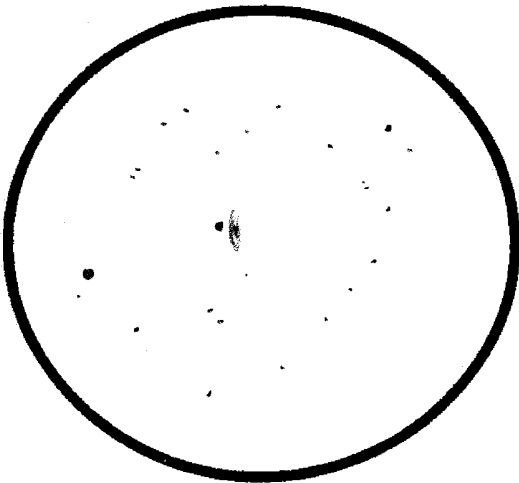
Description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Object ID: N6C 5523

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

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

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



Observer B. Young

Date 7/1/8

Time 1:40 EDT

Location Adams Ranch

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? 2x1
- Is a core noticeable? slightly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

(1999 Cole & Pratt)

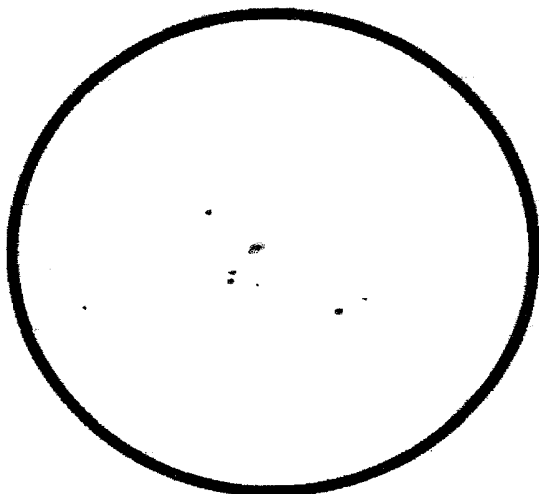
267

Object ID: NGC 5529

Const.: Bee

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

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



Observer Byank H2

Date 6/7/8

Time 2:35

Location RMCC

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x 32

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? sl. elong
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? oh
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No - others not seen

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(1999 Cole & Pratt)

268

Observing Log  
Object type: Galaxy

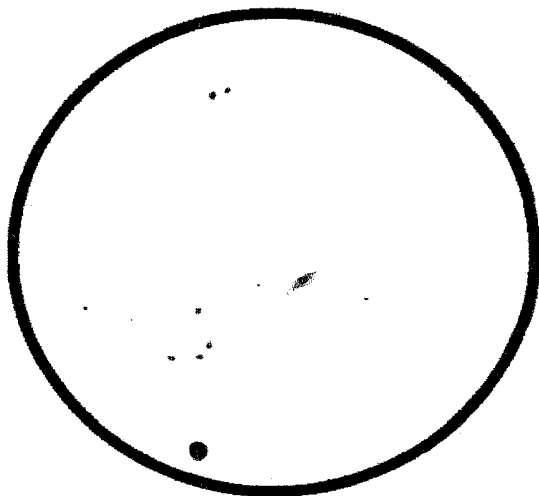
H2

Object ID: NGC 5533

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

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

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



Observer B Young

Date 6/7/8

Time 2:15

Location MCC

Seeing IV Transparency II

Instrument AT-12

Size 12

Eyepiece 2x 72

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 321
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Nebula

42

Object ID: NGC 5548

Grav

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

Observer B. Young

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

Date 7/1/8

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

Time 1:45 cor

Location Adams Ranch

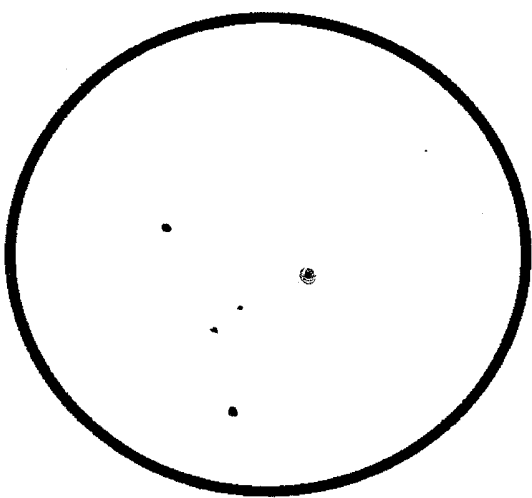
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this nebula be seen with direct vision, or is use averted vision required?
- Is there an overall shape of the object or is it simply irregular? Round
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? Nuc is compact
- Is there any particular area where you notice an absence of stars in this cluster? —
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? —
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description While writing 5523, this one drifted in!



# Observing Log

Object type: Galaxy

H2

Object ID: NBC 5560/66/69

Const.: VV

Observer B Young

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

Date 6/29/8

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

Time 10:58

Location ADAMS Ranch

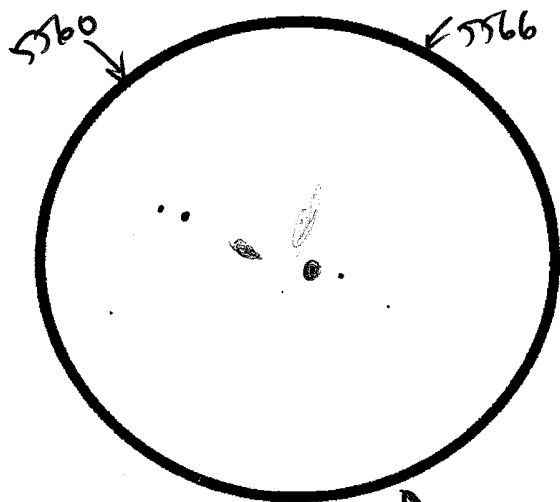
Seeing II Transparency I-

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required? 2 5566
- What is the overall shape? 5560 = Rand 5566 = 3x1 glw 5569 = 2x1 glw
- Is a core noticeable? 5560 yes / No / slightly
- Is the core compact or stellar? C/-/C
- Can any detail be seen between the core and the outer envelope of the object? No/No/No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? each of 3

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

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 5582

Const.: Boo

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

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

Observer B Young

Date 6/7/8

Time 2145

Location RMCC

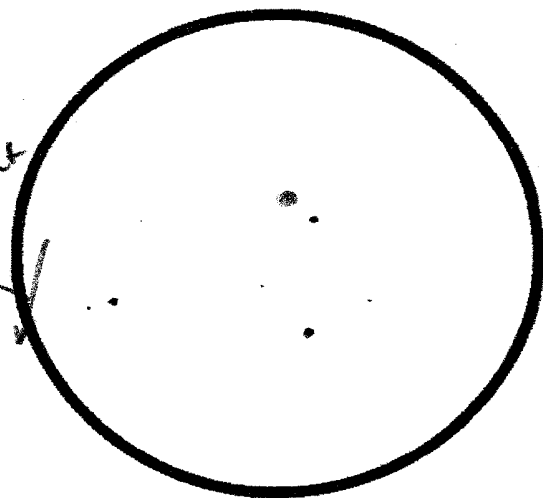
Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 5588

H2

Const.: UMa

Observer B. Yang

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

Date 7/2/8

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

Time 2:10 CDT

Location MCC

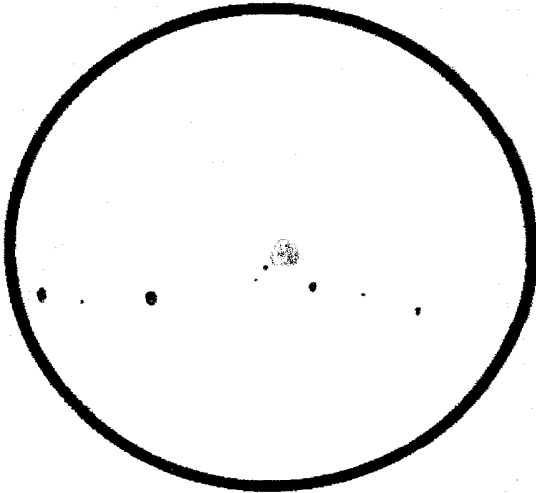
Seeing II- Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round, large
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? EDV!

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

# Observing Log

Object type: Galaxy

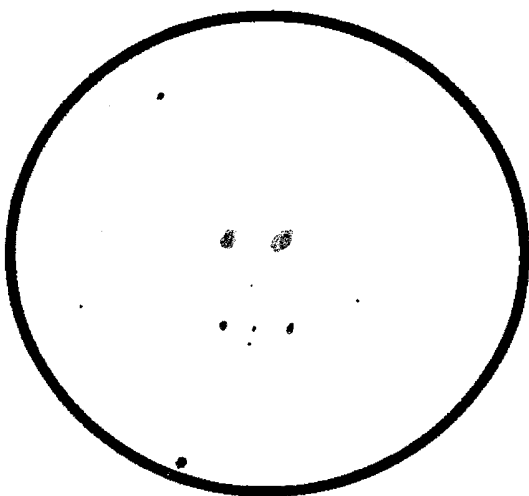
H2

Object ID: NGC 5595/5597

Const.: Lib

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

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



Observer B. Yang

Date 7/1/8

Time 12:00 CDT

Location Adams Ranch

Seeing II Transparency +-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 752

- Can this galaxy be seen with direct vision, or is voe averted vision required?
- What is the overall shape? ovals
- Is a core noticeable? No
- Is the core compact or stellar? N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or almost diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description DM tuning, w/size dbl to N as a mirror.

Object ID: NHC 5600

Const.: Boo

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

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

Observer B. Young

Date 7/1/8

Time 1:20 CDT

Location Adams Ranch

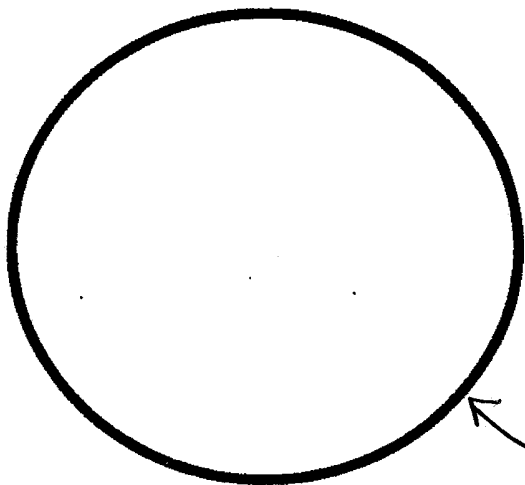
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



FORGOT TO DRAW! 7/3/08

• Can this galaxy be seen with direct vision, or is averted vision required?

• What is the overall shape? Round

• Is a core noticeable? Yes

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object? No

• Are the edges of the outer envelope sharp or diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No

• Are there any other deep-sky objects in the same field of view? If so, what? No

FROM  
WHAT I  
REMEMBER,  
IT WAS VERY  
DIM, SMALL  
ROUND  
ELLIPTICAL  
W/ STAR  
NEARBY  
&  
COMPACT  
CORE

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

(1999 Cole & Pratt)

276

Observing Log  
Object type: Galaxy

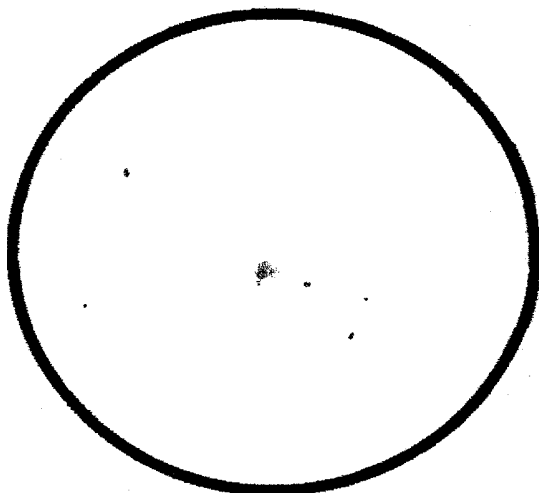
#2

Object ID: NGC 5602

Const.: Boo

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

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



Observer B. Young

Date 7/2/8

Time 1:15 CDT

Location RMCC

Seeing II- Transparency II

Instrument XT-12

Size 12" 2x42

Eyepiece ↓

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? NO
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? FOV!

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

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 5636/5638

Const.: Vir

Observer B. Yank

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

Date 6/29/8

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

Time 11:05

Location Adams Ranch

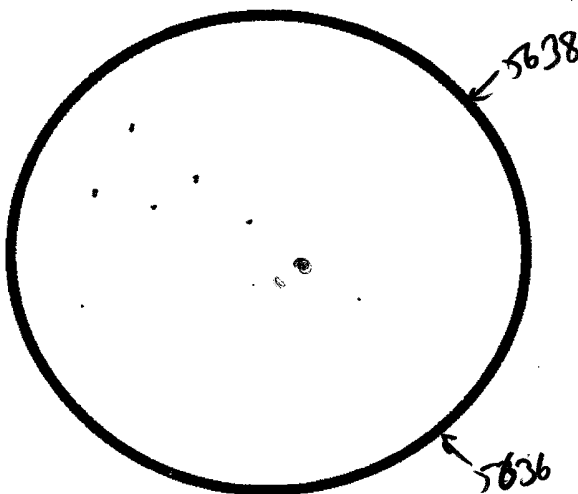
Seeing II Transparency I-

Instrument XT12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision<sup>38</sup>, or is averted vision<sup>36</sup> required?
- What is the overall shape? 38 = round 36 = 2x1
- Is a core noticeable? Y/N
- Is the core compact or stellar? C/N/A
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

Observing Log  
Object type: Galaxy

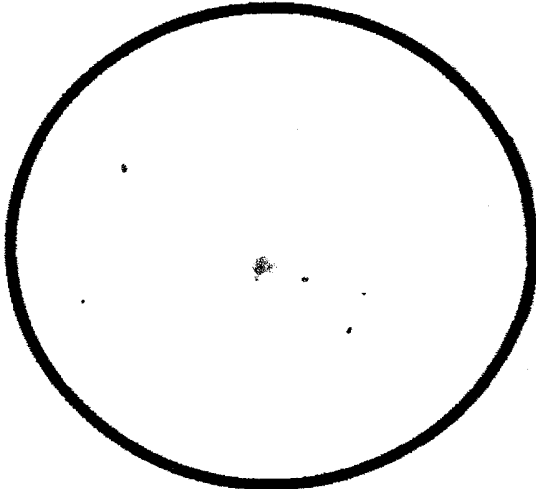
H2

Object ID: NGC 5602

Const.: Boo

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

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



Observer B. Young

Date 7/2/8

Time 1:15 CDT

Location RMCC

Seeing II- Transparency II

Instrument XT-12

Size 12" 2x42

Eyepiece ↓

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? FOV!

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

277



# Observing Log

Object type: Galaxy

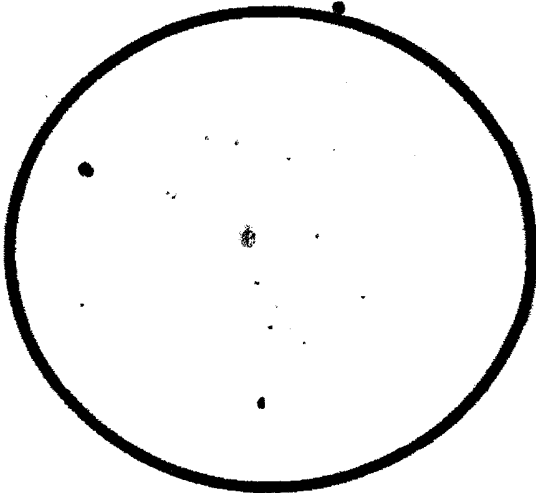
#2

Object ID: N6C 5660

Const.: Boo

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

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



Observer B. Young

Date 7/2/8

Time 2:05 CD

Location RMCC

Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Slightly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? N.
- Are there any other deep-sky objects in the same field of view? If so, what? N.

(140) - 53  
14h 29m ↑

↑ 2 meters!

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

# Observing Log

Object type: Galaxy

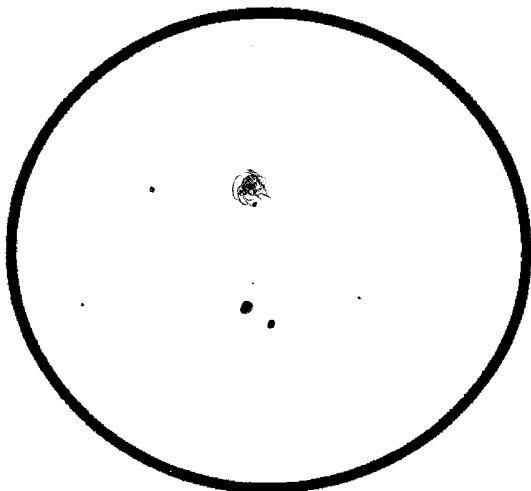
H2

Object ID: NGC 5668

Const.: Vir

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

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



Observer B. Yang

Date 6/29/8

Time 11:10 pm

Location Adams Ranch

Seeing II Transparency I-

Instrument Xt-12

Size 12

Eyepiece 10

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

• Can this galaxy be seen with direct vision, or is averted vision required?

• What is the overall shape? Round

• Is a core noticeable? Yes

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object?

Yes, bar? - nothing

• Are the edges of the outer envelope sharp or diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?

• Are there any other deep-sky objects in the same field of view? If so, what?

No, star in it

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

# Observing Log

Object type: Galaxy

Object ID: N6C 5687

H2

Const.: Boo

Observer B. Young

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

Date 7/2/9

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

Time 2130 CDS

Location RMCC

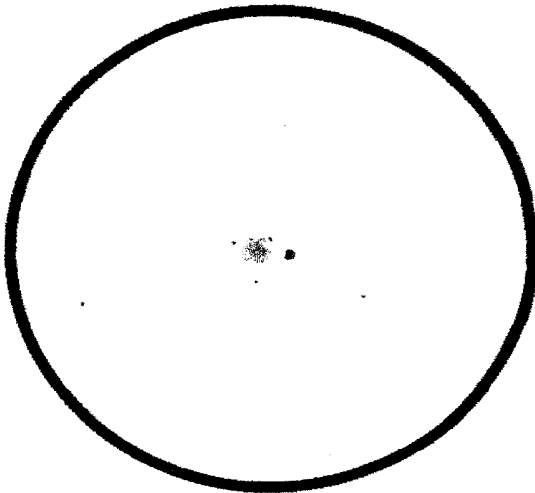
Seeing II- Transparency II

Instrument Xt-12

Size 12

Eyepiece 10mm

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Barely
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? one
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? horizontal mottling
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

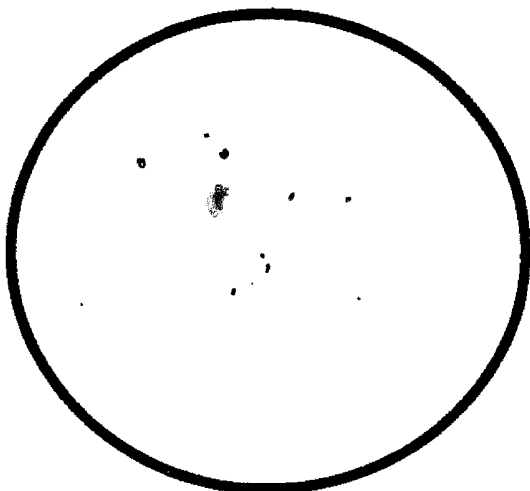
142

Object ID: NGC 5728

Const.: Lib

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

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



Observer B. Young

Date 6/30/8

Time 11:30 EDT

Location Adams Ranch

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval, 2x1
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? sl. mostly
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? none

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

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 5750

Const.: Vir

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

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

Observer B. Yang

Date 7/1/8

Time 11:55 CDT

Location RMCC

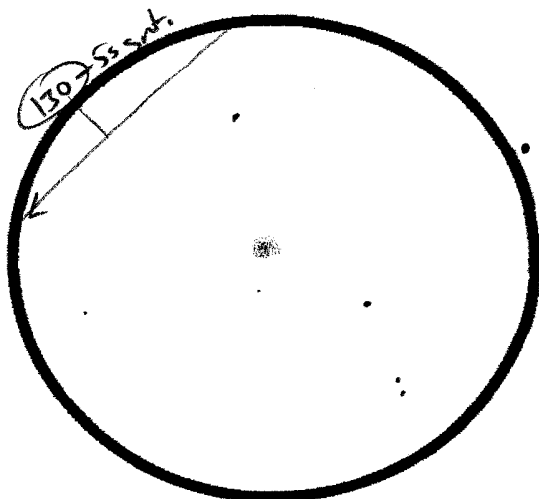
Seeing II- Transparency II

Instrument XT12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision <sup>use</sup> or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 5791

Const.: Lib

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

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

Observer B Young

Date 6/7/8

Time 2:50

Location RMCC

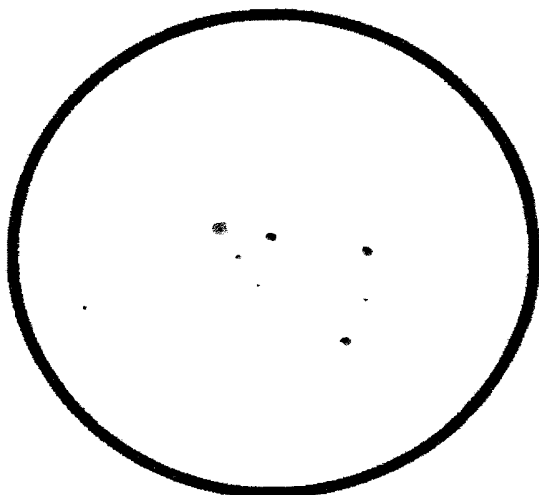
Seeing III Transparency A

Instrument XTL

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? Round
- Is a core noticeable? A bit
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

H2

Object ID: N6C ~~5775~~

Const.: √N

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

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

Observer B. Young

Date 7/2/8

Time 12:05 CDT

Location RMCC

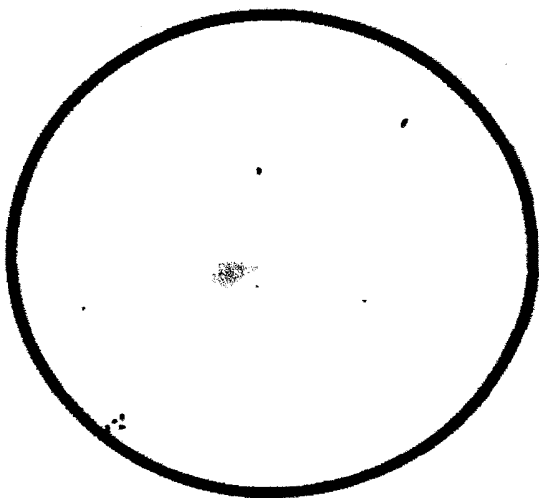
Seeing II - Transparency II

Instrument X-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? sl. elong
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Same "bar" like shape
- Are the edges of the outer envelope sharp or diffuse? almost
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description (131) = sat in finder 14454+2 ↓

Observing Log  
Object type: Galaxy

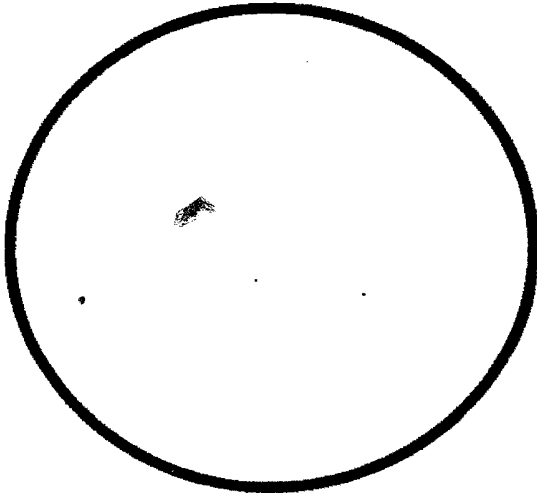
H2

Object ID: NGC 5806

Const.: VN

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

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



Observer BY

Date 5/20/17

Time 1:40 CST

Location RMCC

Seeing II- Transparency III

Instrument AT-12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elongated
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? "kink" in spiral
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Cloud Mountain!



Observing Log  
Object type: Galaxy

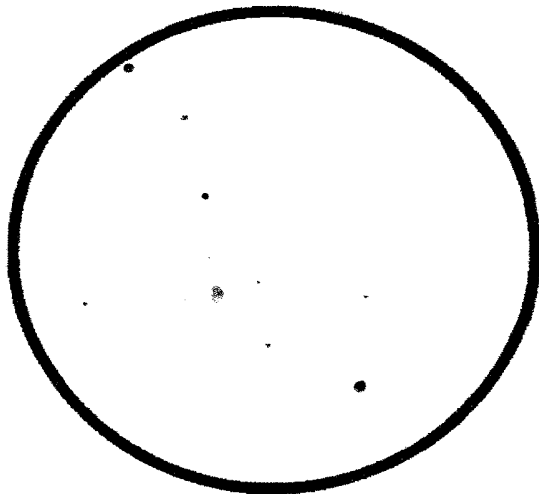
42

Object ID: N6C 5812

Const.: Lib

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

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



Observer B 70-112

Date 6/7/8

Time 3:00

Location RMce

Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

Observing Log  
Object type: Galaxy

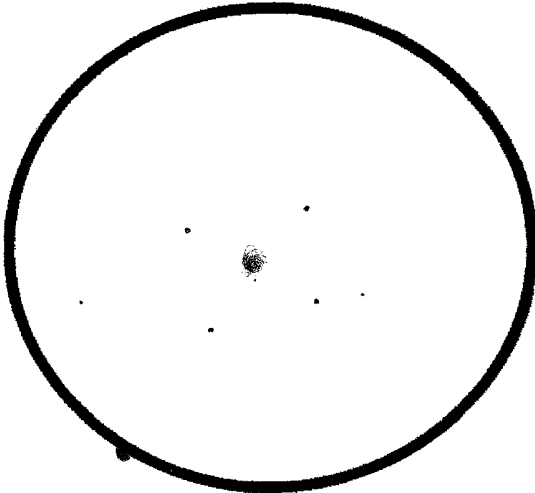
142

Object ID: NGC 5813

Const.: Vir

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

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



Observer BY

Date 5/20/7

Time 11:30 CST

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? sl.
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 3831

H2

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

Observer B. Young

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

Date 7/2/8

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

Time 150 CDT

Location RMCC

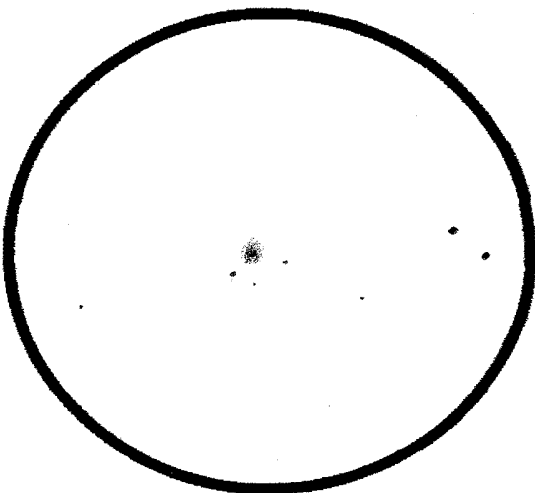
Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 10mm

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



- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? Round
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Used 150x to see it any of these would  
like it - not much improvement.

# Observing Log

Object type: Galaxy

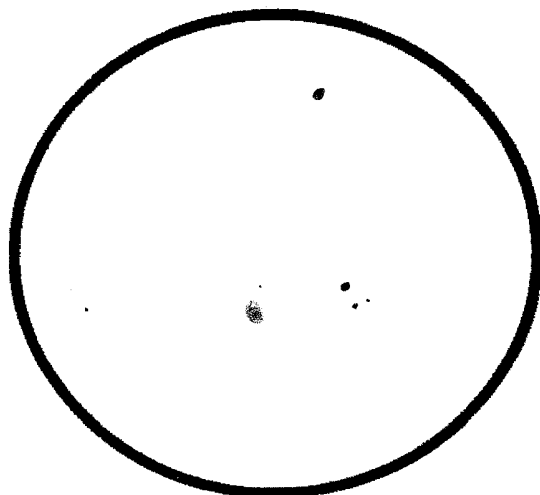
H2

Object ID: NGC 5831

Const.: Vir

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

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



Observer B Young

Date 6/9/7

Time 12:20

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42/2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

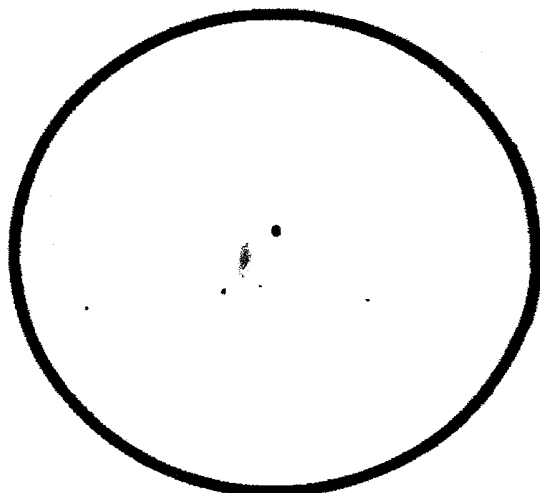
142

Object ID: NGC 5838

Const.: Vir

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

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



Observer B. Young

Date 7/2/8

Time 12:20 EDT

Location RMCC

Seeing II - Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? elong
- Is a core noticeable? yes
- Is the core compact or almost stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

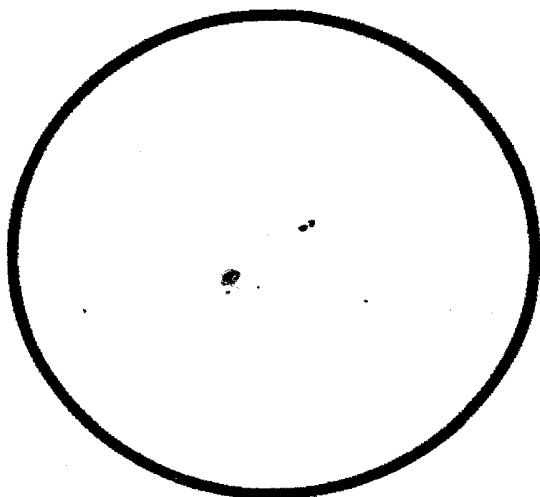
H2

Object ID: NFC 5838

Const.: Vir

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

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



Observer B York

Date 6/9/7

Time 12:30

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42/2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? "All core"
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? \_\_\_\_\_
- Are the edges of the outer envelope sharp or diffuse (none)
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Didn't see edge-on shape

# Observing Log

Object type: Galaxy

Object ID: N6c 5839/45/46/50

H 2  
(5850)

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

Observer B. Young

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

Date 7/2/8

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

Time 12:45 CDT

Location ANCE

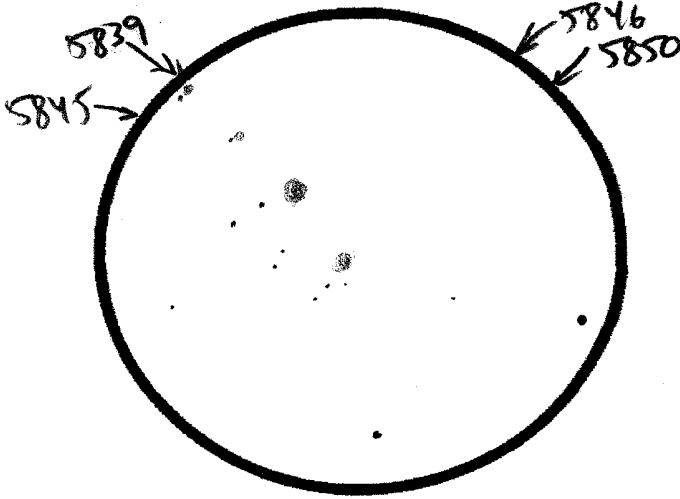
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required? use
- What is the overall shape? All ellipsoids on all
- Is a core noticeable? yes s/s/c/c
- Is the core compact or stellar? ↑
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description 5839 & 5845 e.o.v. & small

Observing Log  
Object type: Galaxy

H2  
(5850)

Object ID: NCC 5846/50

Const.: VIR

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

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

Observer B YOUNG

Date 6/9/7

Time 12:40

Location RMCC

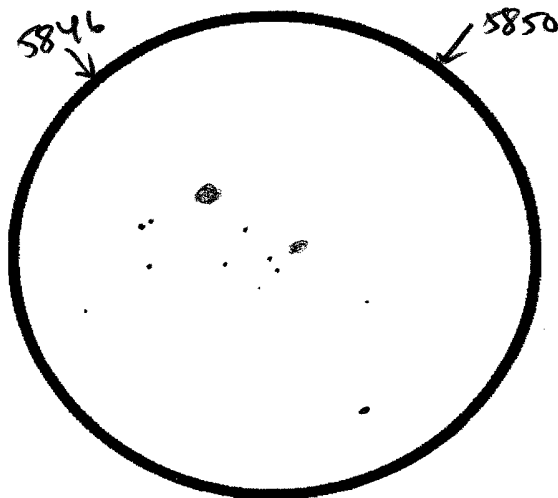
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42/2

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Rounds
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Edn othr

Description DW6 A little SKEWED - NOT THIS CLOSE



Observing Log  
Object type: Galaxy

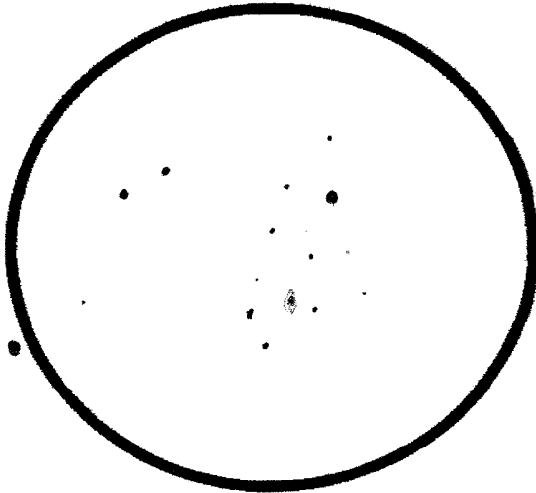
H2

Object ID: NGC 5854

Const.: VN

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

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



Observer B. Young

Date 7/2/8

Time 12:35 CDT

Location RMCC

Seeing II - Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 7x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 2x1
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? none fld

Description \_\_\_\_\_

# Observing Log

Object type: Galaxy

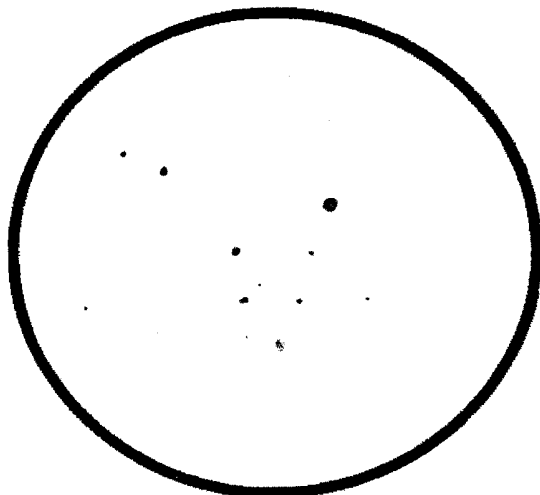
42

Object ID: NGC 5854

Const.: VIR

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

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



Observer B YOUNG

Date 6/9/7

Time 12:50

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42/2

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is <sup>use</sup> averted vision required?
- What is the overall shape? Tiny, round
- Is a core noticeable? All core
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? None
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

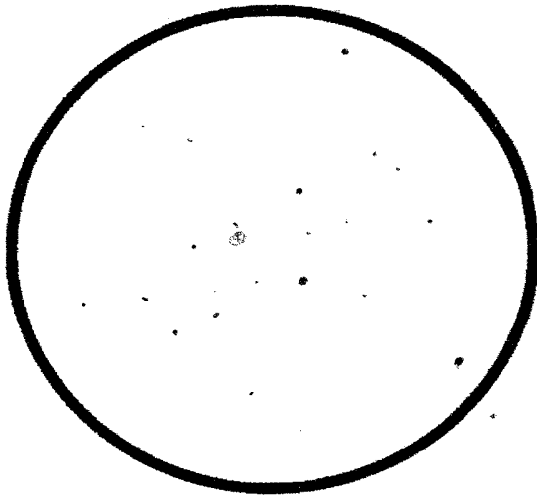
H 2

Object ID: NGC 5861

Const.: Lib

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

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



Observer B Young

Date 6/7/8

Time 3:10

Location RMCC

Seeing III Transparency II

Instrument X-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Amorphous
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

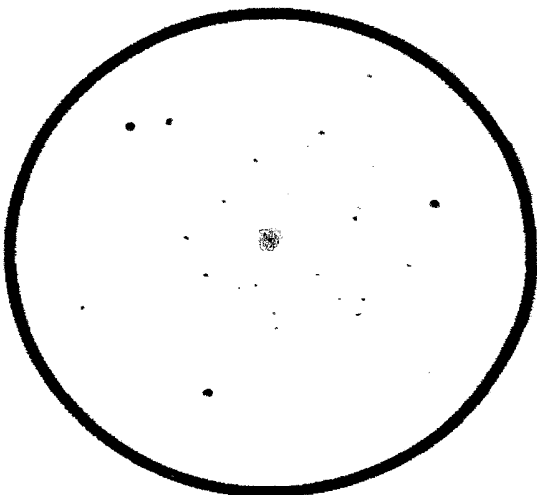
H2

Object ID: N6C 5864

Const.: VN

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

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



Observer B. Young

Date 7/2/8

Time 12:40 CDT

Location RMCC

Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is ave averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Barely
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some
- Are the edges of the outer envelope sharp or diffuse? slight
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

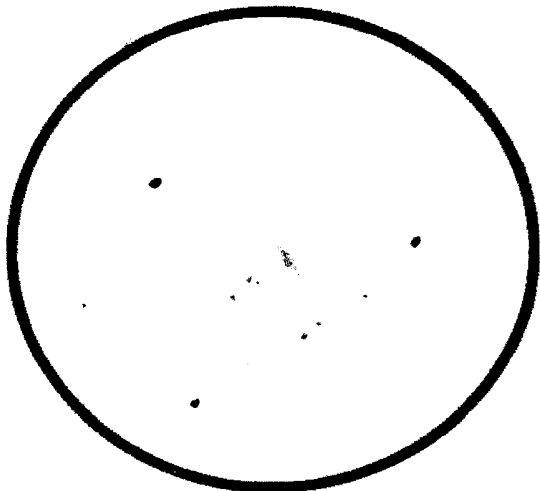
H2

Object ID: NFC 5864

Const.: VIR

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

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



Observer B Young

Date 6/9/7

Time 1:00

Location RMCC

Seeing II Transparency II -

Instrument XT12

Size 12

Eyepiece 42/2

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Bar? No - its an elongated with a core
- Is a core noticeable? Bar
- Is the core compact or stellar? no bar
- Can any detail be seen between the core and the outer envelope of the object? Very little
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

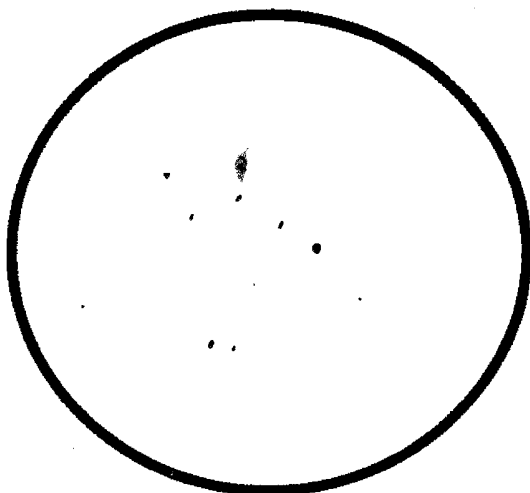
112

Object ID: NGC 5878

Const.: Lib

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

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



Observer B. Yang

Date 7/1/8

Time 12:05 CDT

Location Adams Ranch

Seeing II Transparency I-

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Not much, a bit more glow
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No, but cool field

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

Observing Log  
Object type: Galaxy

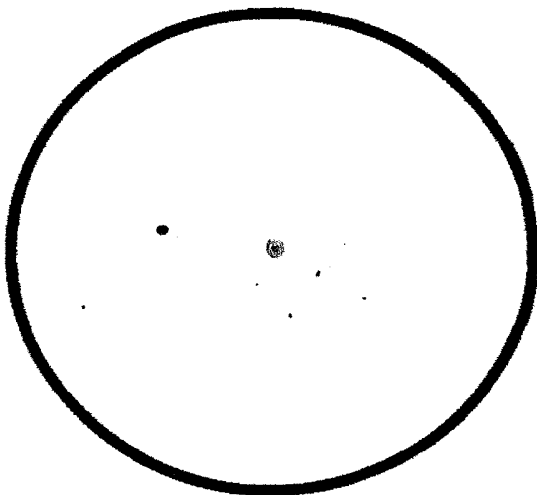
H2

Object ID: NGC 5879

Const.: Or

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

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



Observer B. Young

Date 7/6/8

Time 3:25

Location LMCC

Seeing II- Transparency II-

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is ne averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

H2

Object ID: N6C 5899

Const.: Boo

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

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

Observer B. Young

Date 7/2/8

Time 2115 COT

Location MCC

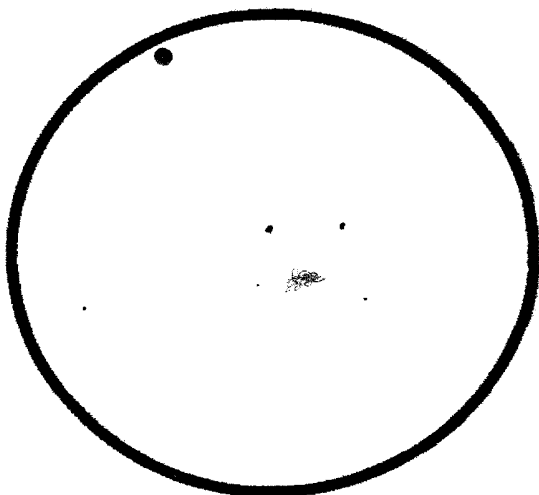
Seeing II- Transparency II

Instrument XT-12

Size 12

Eyepiece 10 mm

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



- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? 3x1
- Is a core noticeable? Barely
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Yes, some mottling
- Are the edges of the outer envelope sharp or diffuse? slightly
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

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



# Observing Log

Object type: Galaxy

42

Object ID: N6C 5970

Const.: Ser

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

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

Observer B York

Date 6/7/8

Time 3:25

Location Rmce

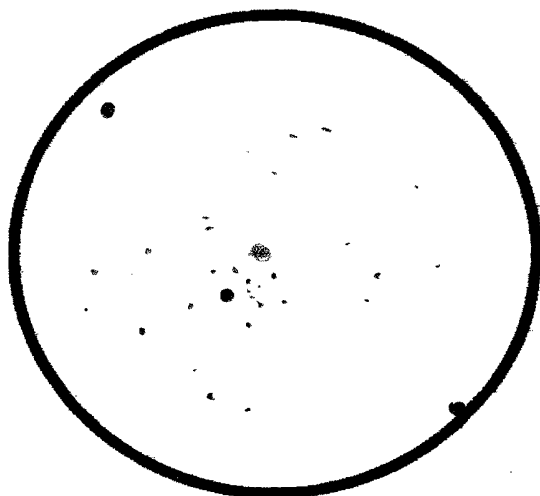
Seeing II Transparency II

Instrument AT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Sl. knots
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

COPY FOR  
H2

PNOC

## Observing Log

Object type: Planetary Nebula

Object ID: NGC 6058

Const.: CrB

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

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

Observer B. Young

Date 5/13/16

Time 10:45 CDT

Location RMCC

Seeing II Transparency I - (+)

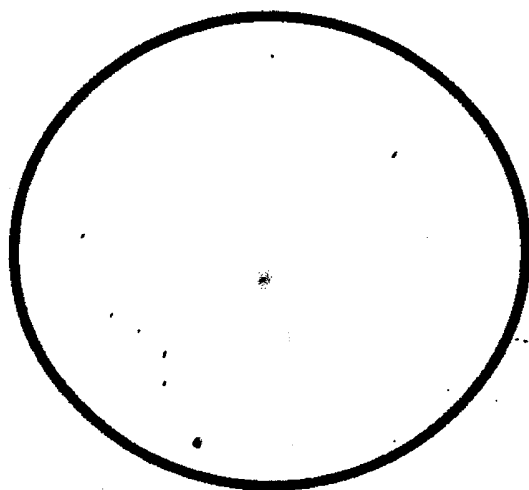
Instrument ETX 125

Size 12.5

Eyepiece 25

Field of view \_\_\_\_\_ Power 73

HNBF



- What is the overall shape? Round
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? —
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No Duplicates

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

# Observing Log

Object type: Galaxy

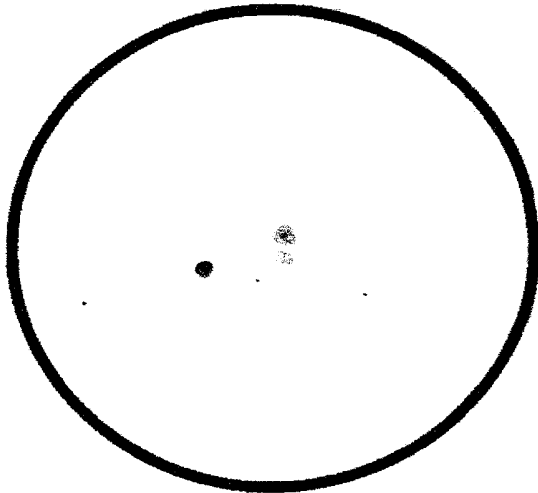
#2

Object ID: NKC 6070

Const.: Ser

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

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



Observer B Young

Date 6/7/8

Time 3:20

Location RMCC

Seeing III Transparency II

Instrument X11-12

Size 12

Eyepiece L442

Field of view \_\_\_\_\_ Power 72

• Can this galaxy be seen with direct vision, or is use averted vision required?

• What is the overall shape? Round

• Is a core noticeable? Yes

• Is the core compact or stellar?

• Can any detail be seen between the core and the outer envelope of the object? yes - 2nd object

• Are the edges of the outer envelope sharp or diffuse?

• Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?

• Are there any other deep-sky objects in the same field of view? If so, what?

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

# Observing Log

Object type: Galaxy

H2

Object ID: N6C 6106

Const.: Her

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

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

Observer B Young

Date 6/7/8

Time 3:35

Location Rmcc

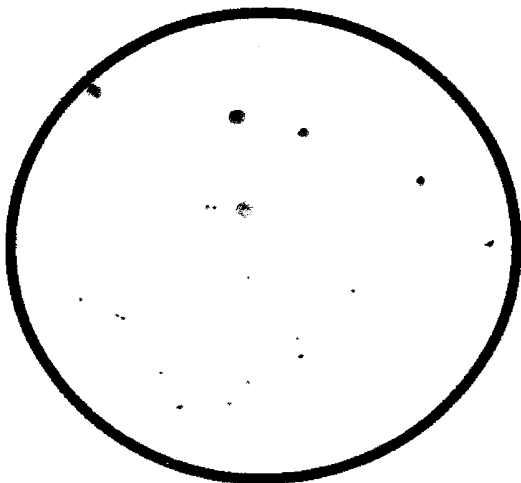
Seeing III Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

Object ID: N6C 6155

H2

Const.: Her

Observer B. Young

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

Date 6/30/8

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

Time 3:45 CDT

Location Adams Ranch

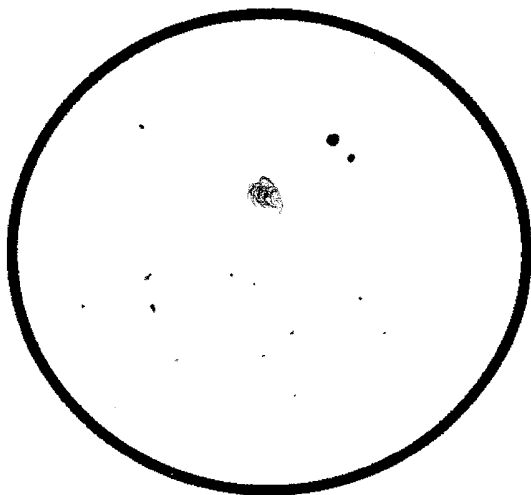
Seeing H Transparency I-

Instrument XT-12

Size 12

Eyepiece 10mm

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some notale
- Are the edges of the outer envelope somewhat sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No, but n2c d61

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

# Observing Log

Object type: Galaxy

#2

Object ID: NbC 6166 + 6166A

Const.: Her

Observer Brad Young

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

Date 10/13/7

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

Time 10:30

Location RMCC

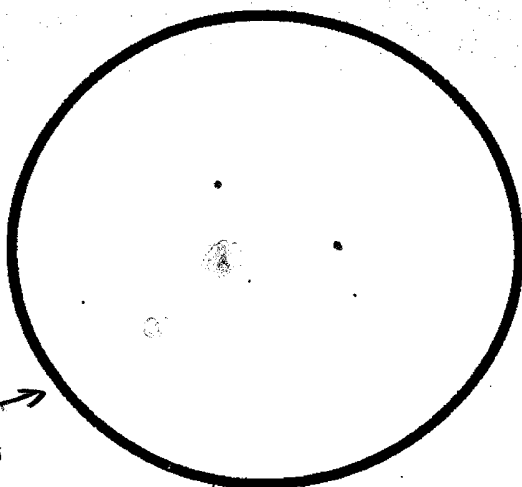
Seeing III Transparency II

Instrument XT12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 100



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? Answer?

6166-A

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

# Observing Log

Object type: Galaxy

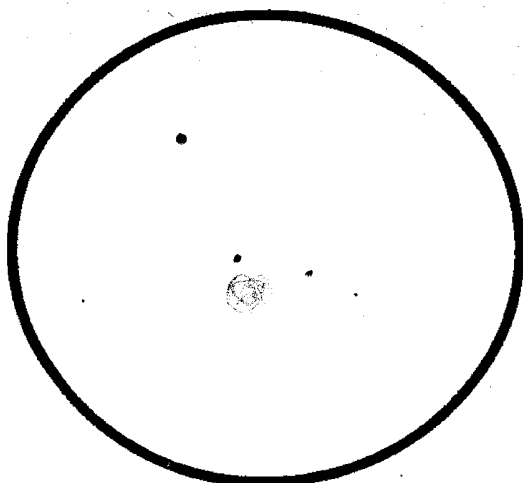
H2

Object ID: Ngc 6181

Const.: And

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

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



Observer B. Young

Date 10/13/17

Time 19:30

Location RMCE

Seeing II Transparency II

Instrument DS-12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 100

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Can't tell if it's spiral or elliptical?

# Observing Log

Object type: Galaxy

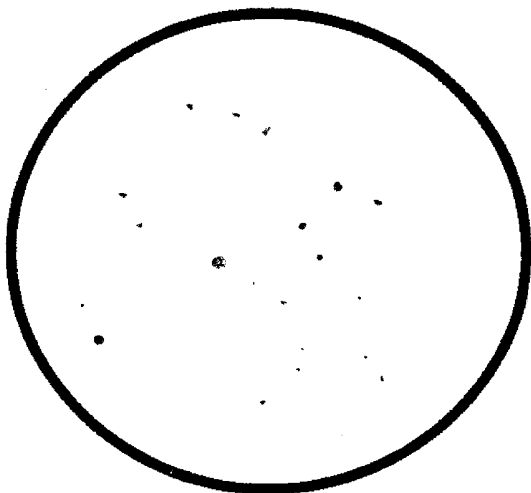
H2

Object ID: Ngc 6239

Const.: Her

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

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



Observer B. Yang

Date 6/30/8

Time 3:55 CDT

Location Adams Ranch

Seeing II Transparency I-

Instrument Xr-12

Size 12

Eyepiece 2x 42

Field of view \_\_\_\_\_ Power 75x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? \_\_\_\_\_
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse? see a PN!
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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



# Observing Log

Object type: Open Cluster

42

Object ID: NGC 6507

Const.: Sgr

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

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

Observer Brad Young

Date 10/10/7

Time 9:00

Location Adams Ranch

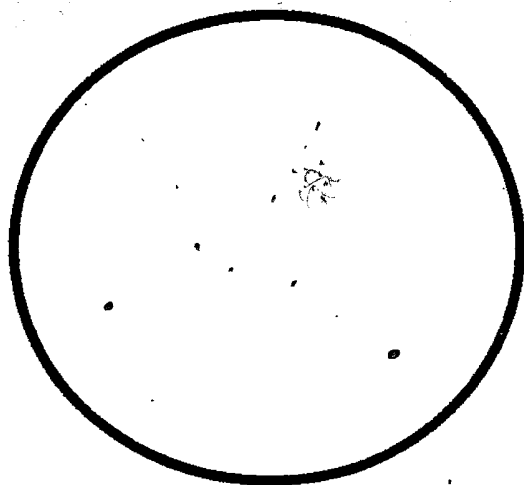
Seeing II Transparency I-

Instrument X512

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? Round
- How many stars can you count in the cluster? 17
- 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 Must be quite dimmed by Rfr - wonder  
what it looks like fully lit

# Observing Log

Object type: Nebula

H2

Object ID: N6C 6526

Const.: Sgr

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

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

Observer B. Yang

Date 10/10/17

Time 8:45

Location Adams Ranch

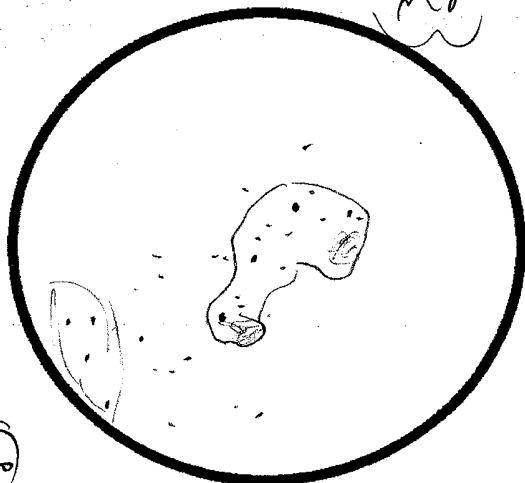
Seeing I- Transparency II

Instrument X5-12

Size 12

Eyepiece 42

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



- Can this nebula be seen with direct vision, or is averted vision required? no
- Is there an overall shape of the object or is it simply irregular? shrimp + core
- Is any part of the outer edge of the nebula sharply defined? No
- Is any part of the nebula brighter or more concentrated? yes
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? some in center
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? M20, M8

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

# Observing Log

Object type: Galaxy

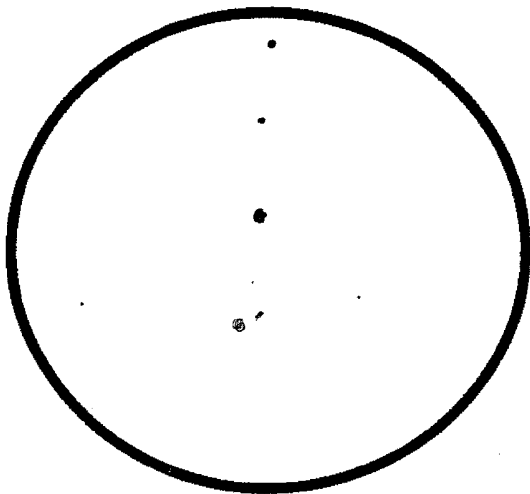
H2

Object ID: NGC 6548

Const.: Her

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

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



Observer B. Yonk

Date 6/30/8

Time 3:15 CDT

Location Adams Ranch

Seeing II Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? n/a
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

314

# Observing Log

Object type: Open Cluster

42

Object ID: N6e 6896

Const.: Sgr

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

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

Observer B Yang

Date 10/10/17

Time 8:50

Location Adams Ranch

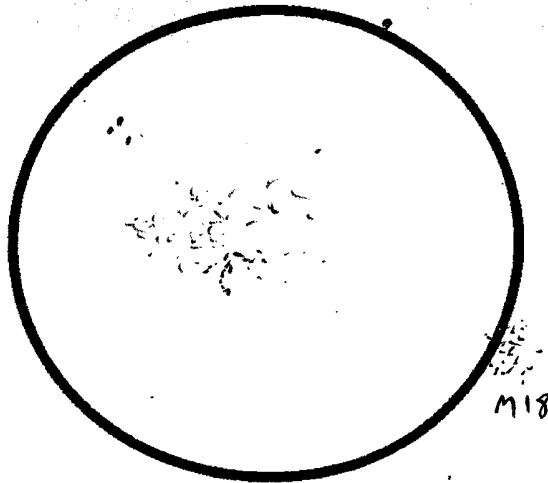
Seeing II Transparency I-

Instrument X5-12

Size 12

Eyepiece 42

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



- Can this cluster be easily distinguished from the background stars? Far
- What is the overall shape of the object? C
- How many stars can you count in the cluster? 40
- Are the stars more concentrated in any one particular area? around C
- Is this cluster resolved fully or is there some background nebulosity noticed? bleeds into M24
- Is there any particular area where you notice an absence of stars in this cluster? inside C
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? N6
- Are there any other deep-sky objects in the same field of view? If so, what? M18  
M17 N5

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Open Cluster

Copy  
For  
Hz

Ococ

Object ID: Ngc 6604

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

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

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

Observer B York

Date 5/28/6

Time 12:30

Location RMce

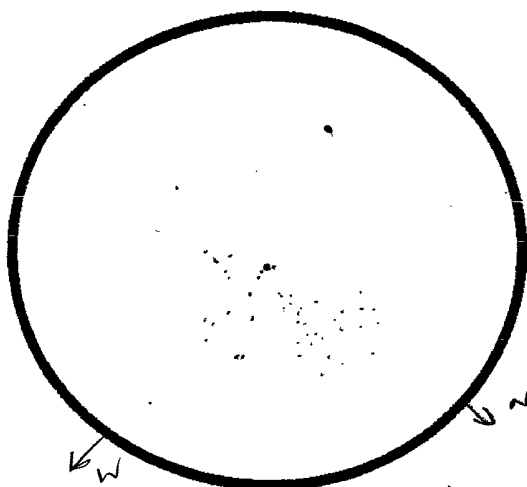
Seeing II Transparency II

Instrument X+12

Size 12

Eyepiece 42

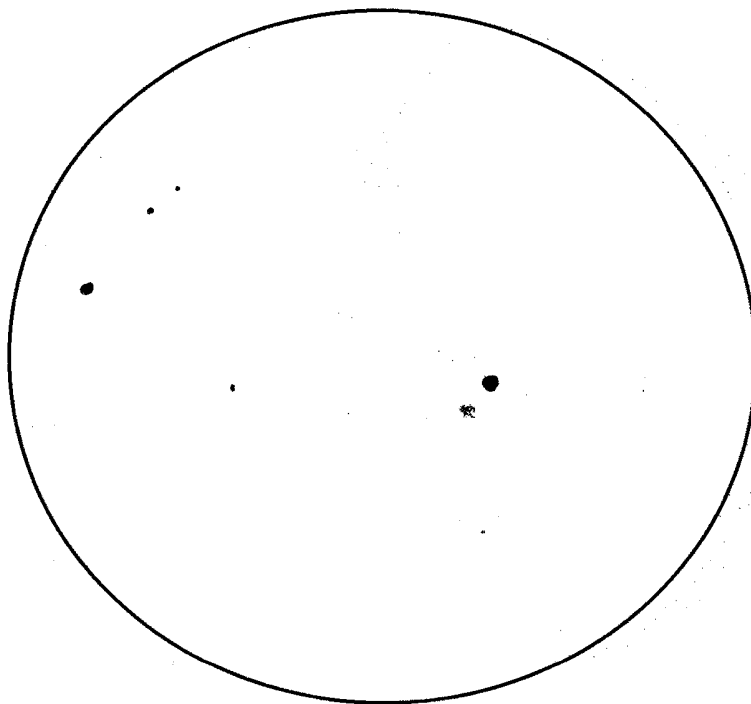
Field of view \_\_\_\_\_ Power 36



- 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.

DATE 6/27/3 TIME 11/5 CST CDT CLARITY I II III IV V SEEING I II III IV V  
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X  
OBJECT NAC 6717 LOCATION RMCO HOME \_\_\_\_\_



Easy globular right next to  $\alpha_2$  Sgr

No resolution but nice view

# Observing Log

Object type: Nebula

CONFIRMS

H2

Object ID: NGC 6772

Const.: And

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

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

Observer B. Young

Date 7/6/8

Time 9:00

Location MCC

Seeing II- Transparency II-

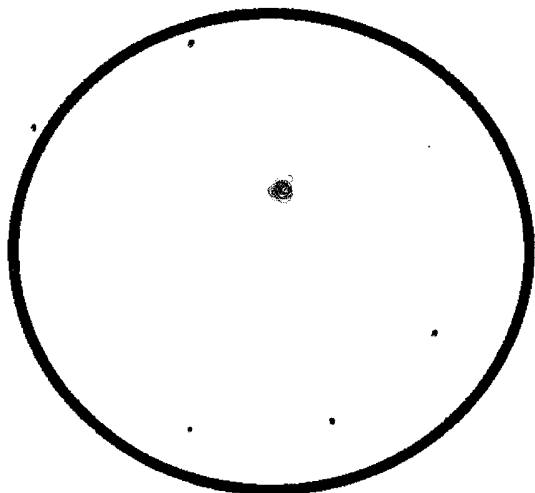
Instrument RS-12

Size 12

Eyepiece 10

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

+03



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Round
- Is any part of the outer edge of the nebula sharply defined? Fairly well
- Is any part of the nebula brighter or more concentrated? No - fairly even
- Is there any particular area where you notice an absence of stars in this cluster? N/A
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? No C3
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Open Cluster

OC OC  
+H2 ←

Object ID: NHe 6793

Const.: V11

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

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

Observer B Yane

Date 7/22/6

Time 11:55 CDT

Location RMCC

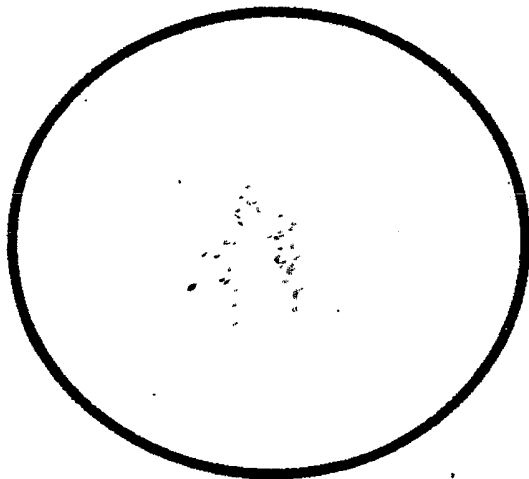
Seeing II- Transparency I-

Instrument XT12

Size 12

Eyepiece 40

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



- Can this cluster be easily distinguished from the background stars? 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 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

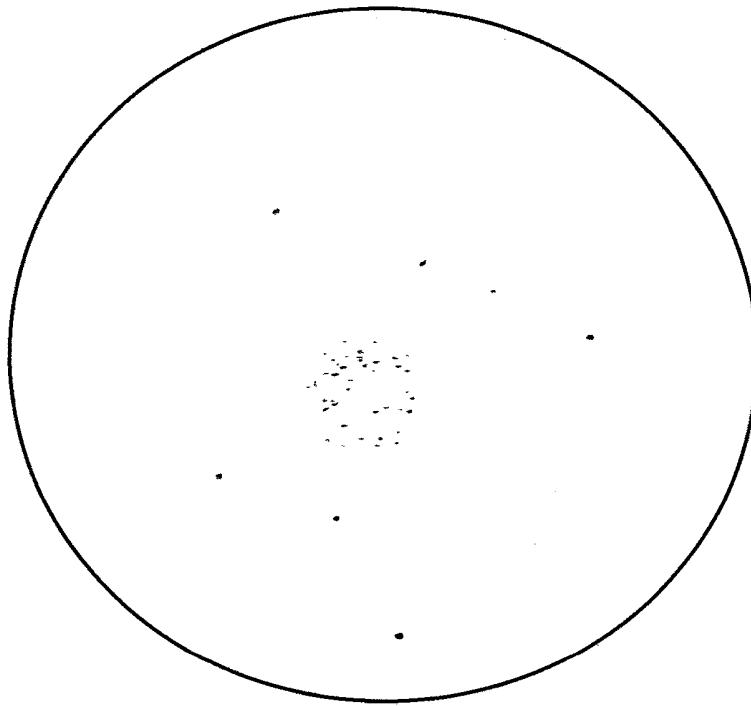
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



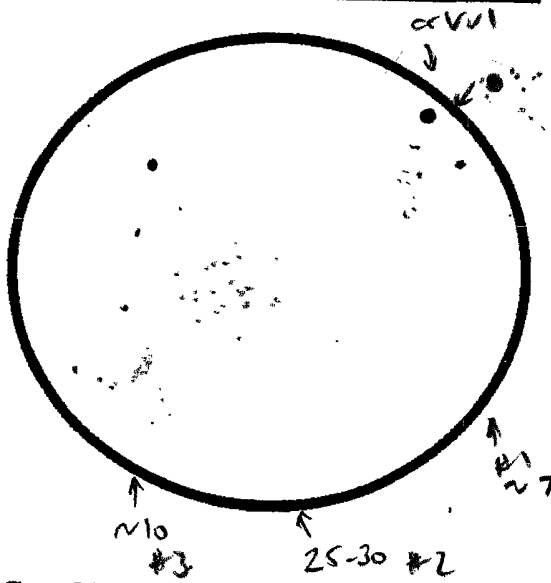


"Rm" w/o STARS IN MIDDLE - GREAT AREA

320

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_  
Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B. J. Hunt  
Date 7/23/16  
Time 12:05 CDK  
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, 3
- 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 15 comets

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

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

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

Date 6/25/8

Time 12:00

Location AMCC

Seeing II Transparency II

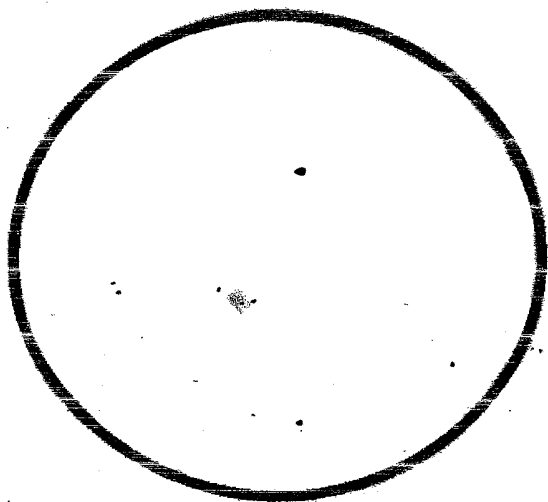
Instrument X512

Size 12

Eyepiece 10

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

WDR



- What is the overall shape? Oval
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? Grey
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or sl diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)? Prisma
- Are there any other deep-sky objects in the same field of view? If so, what? No

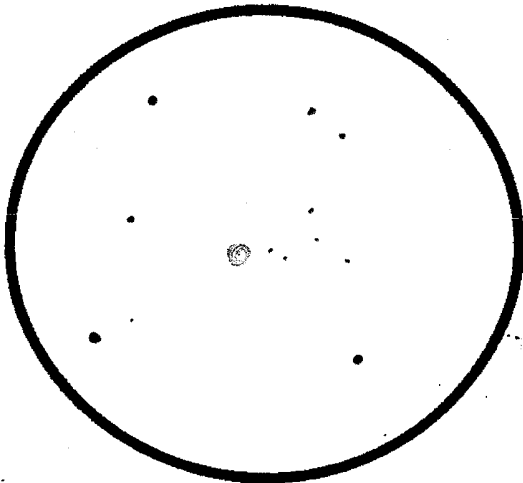
Draw a sketch of the object as seen through the telescope. M33cl 15' zone - summary glnd - sl. oblong

(1999 Cole & Pratt)

322

- What is the overall shape? Rond
- Is a core noticeable? Slight
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No thing  
Arld

Const.: Cyg  
RA: \_\_\_\_\_ Dec.: \_\_\_\_\_  
Mag: \_\_\_\_\_ Size: \_\_\_\_\_



Observer B Young  
Date 9/24/6  
Time 1105 CDT  
Location RMCC B=+4  
Seeing II Transparency I-  
Instrument XT-12  
Size 12" f/5  
Eyepiece 10mm  
Field of view \_\_\_\_\_ Power 150x  
WBP  
D=1d

- What is the overall shape? Disk
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? grey
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Not seen 36x  
Not sure C.S.  
Direct vision  
D-A = no

Description cs? hard to confirm  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(1999 Cole & Pratt)

327

DATE 7/4/3 TIME 3145 CST CD CLARITY I II III IV V SEEING I II III IV V  
INSTRUMENT ETX-12 10x50 EYE POWER 10X 73X 153X 475X  
OBJECT \_\_\_\_\_ LOCATION RMCC HOME \_\_\_\_\_

- ① IC 4786 73X
- ② NGC 6633 73X
- ③ NGC 6960
- ④ NGC 6992 (NGC 6980) NEAR 52 Cyg 73X W/NF
- ⑤ 6992 (NGC 6980) @ 73X W/NF A DC BRACKET - SMALLER

Also saw VICTORIA 73X 6/26 11:00 pm  
FLORA 73X 6/27 1:10 am

Observed  
Vesta

✓  
(Victoria?)

10. Comets	Must observe one comet	Coordinates for June 20	6/21/03
	Hint: Possible targets 116P/Wild 4 is in	116P- 15 02.99 -21 20.5	11:00
	Libra and Linear K4 is in Cygnus.	K4 - 21 03.50 +31 07.5	
	RX14 in Western outskirts of Virgo	RX14 11 33.2 +02 33.4	
	53P in Libra, 07 is in Leo	53P 15 44.87 -09 27.2	
Observation Notes:	Saw VESTA, no comets in range of 125mm w/ these conditions Barely found in central Virgo ~7m. (with 5230 viewfinder)		
✓ 11. IZAR Epsilon Bootes	Double star of orange and blue in Bootes	14 44.59 +27 04	6/20/03
Observation Notes:	Seen split @ 153x barely 475x bring out yellow orange and greenish-blue colors.		
✓ 12. M13/NGC 6207	Famous Globular in Hercules and the faint	16 41.7 +36.28	6/20/03
	nearby galaxy. Must see both		10:55
Observation Notes:	M13 well seen, resolved @ edges. NGC 6207 small glow to north in same 73x field		
✓ 13 NGC 6210	Blue Green Planetary Nebula in Hercules	16 44.5 +23 48	6/21/03
Observation Notes:	Bright greenish disk w/ no detail even at high power		
14. Cr 399	Star cluster shaped like a coat hanger	19 25.4 +20 11	6/27/03
Observation Notes:	EASY - BEAUTIFUL AS ALWAYS SEEN IN 10X50 BINOC		
15. NGC 6960/6992	Veil Nebula in Cygnus - Must see both	6960- 20 45.7 +30 43	7/4/03
	sections.	6992- 20 56.4 +31 43	3:45 am
Observation Notes:	SAW VERY TENUOUS NEAR S2 Cyg (ONCE IT'S PUT OUT OF FIELD) & NGC 6992 NE IN RICH FIELD - ALL WITH 73X & NEBULA FILTER		
✓ 16. NGC 6826	Blinking Planetary Nebula in Cygnus	19 44.8 +50 31	6/22/03
Observation Notes:	Easy to find near 16 Cyg & many doubles. Blue-green disk "6 miles" well @ 153x		
✓ 17. Satellites	Name of Satellite: Cosmos 807	4th magnitude	6/20/03
Observation Notes:	Rocket from near Mizar to near α UMi	Easily seen by many others	9:58 pm
✓ 18. NGC 4565	Edge on Spiral Galaxy in Coma Bernices	12 36.3 +25 59	6/21/03
Observation Notes:	Seen only about 1/2 usual length in better skies		
✓ 19. Gamma Delphinus	Golden/White double star in Delphinus-In	20 46.7 +16 07	6/22/03
	the same view Struve 2725 a dim double,		1:15
	Must see both doubles.		
Observation Notes:	Both split well @ 73x white seen in same field. γ is yellow and white, ε 2725 whites.		

# Observing Log

Object type: Open Cluster

H2

Object ID: NbC 6991 + IC 5076

Const.: Cy9

Observer B York

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

Date 9/1/18

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

Time 2:40

Location RMCC

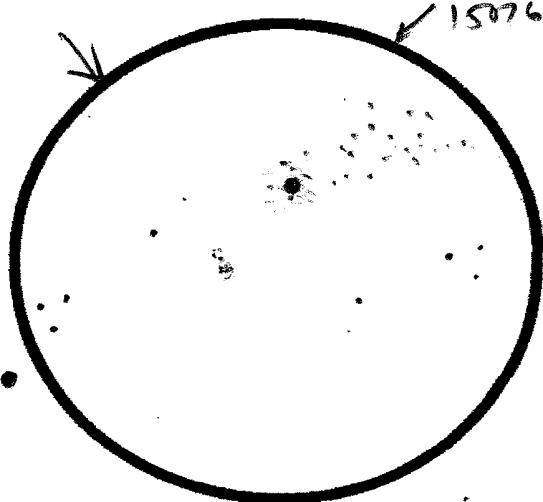
Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this cluster be easily distinguished from the background stars? Barely, Av
- What is the overall shape of the object? Round
- How many stars can you count in the cluster? 8
- Are the stars more concentrated in any one particular area? "Tail"
- Is this cluster in almost 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?

IC 5076 around 6m

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

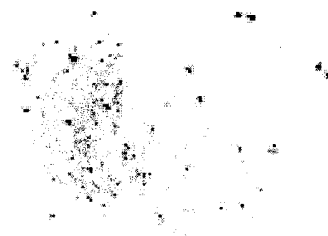
7/3/3

Chowen  
33 + 34

DATE 7/4/3 TIME 3:45 ~~EST~~ CST ~~CD~~ CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-12 10x50 EYE POWER 10X 73X 153X 475X  
Noted

OBJECT \_\_\_\_\_ LOCATION RMCC HOME \_\_\_\_\_



① IC 4756 73X

NbC 6992

② NbC 6633 73X

③ VOTC (NbC 6980) NEAR 52 Cyg 73X w/NF

NbC  
④ 6992 prominent @ 73X w/NF A bit brighter - smaller

332



Also saw VICTORIA 73x 6/26 11:00 pm  
FLORA 73x 6/27 1:10 am

Askerod  
Vesta

✓  
(Vesta?)

10. Comets	Must observe one comet Hint: Possible targets 116P/Wild 4 is in Libra and Linear K4 is in Cygnus. RX14 in Western outskirts of Virgo 53P in Libra, 07 is in Leo	Coordinates for June 20 116P- 15 02.99 -21 20.5 K4 - 21 03.50 +31 07.5 RX14 11 33.2 +02 33.4 53P 15 44.87 -09 27.2	6/21/03 11:00
Observation Notes:	Saw VESTA, no comets in range of 125mm w/ these conditions Early found in central Virgo ~7m. (with 5x30 viewfinder)		
11. IZAR Epsilon Bootes	Double star of orange and blue in Bootes	14 44.59 +27 04	6/20/03 9:15
Observation Notes:	Seen split @ 153x barely 45x brings out yellow orange and greenish-blue colors.		
12. M13/NGC 6207	Famous Globular in Hercules and the faint nearby galaxy. Must see both	16 41.7 +36.28	6/20/03 10:55
Observation Notes:	M13 well seen, resolved @ edges. NGC 6207 small glow to north in same 73x field		
13 NGC 6210	Blue Green Planetary Nebula in Hercules	16 44.5 +23 48	6/21/03 11:25
Observation Notes:	BROWN-greenish disk w/ no detail even at high power		
14. Cr 399	Star cluster shaped like a coat hanger	19 25.4 +20 11	6/27/03 10:10
Observation Notes:	EASY - BEAUTIFUL AS ALWAYS SEEN IN 10X50 BINOC		
15. NGC 6960/6992	Veil Nebula in Cygnus - Must see both sections.	6960- 20 45.7 +30 43 6992- 20 56.4 +31 43	7/4/03 3:45 am
Observation Notes:	SAW VERY TENUOUS NEBULA S2 Cyg (ONCE IT'S PUT OUT OF FIELD) & NGC 6992 NE IN RICH FIELD - ALL WITH 73x & NEBULA FILTER		
16. NGC 6826	Blinking Planetary Nebula in Cygnus	19 44.8 +50 31	6/22/03 1:25
Observation Notes:	Easy to find near 16 Cyg & many doubles. Blue-green disk "6 miles" well @ 153x		
17. Satellites	Name of Satellite: Cosmos 807	4th magnitude	6/20/03 9:58 pm
Observation Notes:	Rocket from near Mizar to near α UMi. Easily seen by many others		
18. NGC 4565	Edge on Spiral Galaxy in Coma Bernices	12 36.3 +25 59	6/21/03 10:45
Observation Notes:	Seen only about 1/2 usual length in better skies		
19. Gamma Delphinus	Golden/White double star in Delphinus-In the same view Struve 2725 a dim double, Must see both doubles.	20 46.7 +16 07	6/22/03 11:15
Observation Notes:	Both split well @ 73x while seen in same field. γ is yellow and white, ε 2725 whites.		

# Observing Log

Object type: Open Cluster

H2

Object ID: NGC 6997

Const.: Cyg

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

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

Observer B Young

Date 9/1/8

Time 2:30

Location RMCC

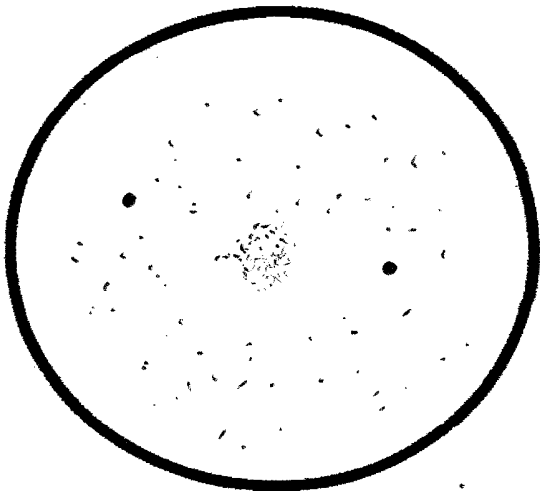
Seeing II Transparency II

Instrument XT12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- Can this cluster be easily distinguished from the background stars? fairly
- What is the overall shape of the object? Hook over glow
- 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? 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? Cyg star fields / 7000 nearby

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

# Observing Log

Object type: Open Cluster

H2

Object ID: NbC 6997

Const.: Cyg

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

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

Observer B Y

Date 10/14/7

Time 12:40

Location RMCC

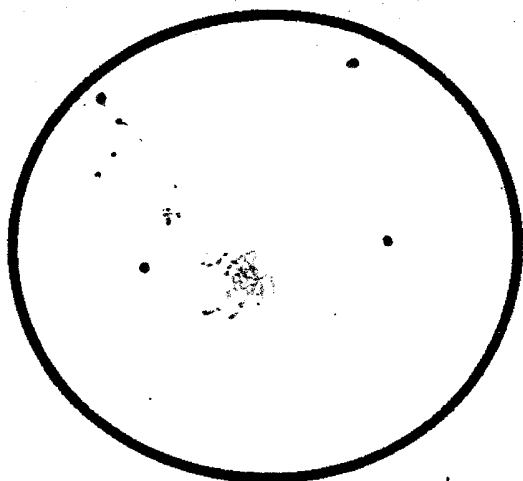
Seeing III Transparency II

Instrument X512

Size 12

Eyepiece 42

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



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Round w/ clus
- 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? inside clus
- 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? surrounded by

7000

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

# Observing Log

Object type: Cluster/Nebula

#2

Object ID: NGC 7023 + Cr 427

Const.: Cep

Observer B. Young

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

Date 11/26/08

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

Time 11:10 pm CST

Location LMCC

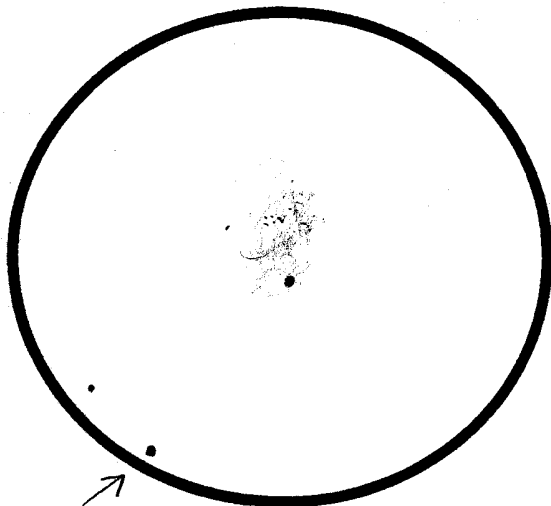
Seeing II Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can both the cluster and nebula be seen with direct vision, or is use averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? No
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? No, ~20
- Is the cluster embedded in the nebulosity or is there a distinct separation?
- Is any part of the nebula brighter or more concentrated? Around cluster
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No, but entire area is "darker" than usual
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

Description K250 Caldwell 41

Well worth the effort.

1 Cep bright (very orange star @ →)

# Observing Log

Object type: Open Cluster

H2

Object ID: N6c 7031

Const.: Cyg

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

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

Observer B York

Date 9/1/8

Time 2:50

Location RMCC

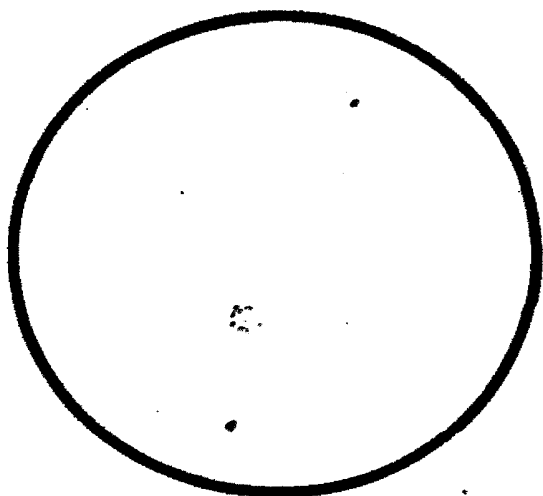
Seeing II Transparency II

Instrument Xt12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72



- 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? 7
- Are the stars more concentrated in any one particular area? [
- Is this cluster resolved fully or is there some background nebulosity noticed? tiny bit
- Is there any particular area where you notice an absence of stars in this cluster? Inside [
- 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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Nebula

Object ID: NGC 7042

Gray

112

Const.: Peg

Observer B. Yarb

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

Date 11/4/7

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

Time 12:25 CDT

Location RMCC

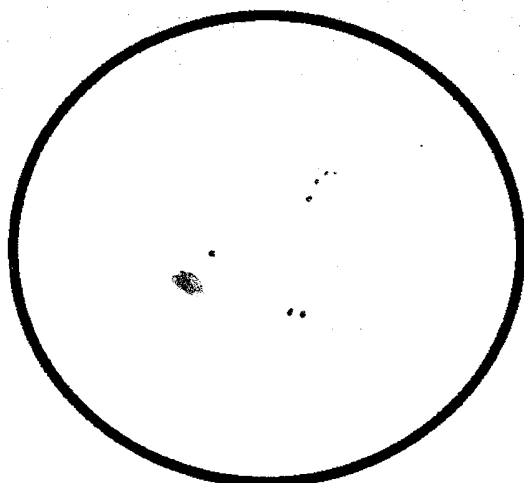
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? Oval
- Is any part of the outer edge of the nebula sharply defined? Not well
- Is any part of the nebula brighter or more concentrated? No nucleus seen
- Is there any particular area where you notice an absence of stars in this cluster? No details
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers?
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? None
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? F12
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

Observing Log  
Object type: Open Cluster

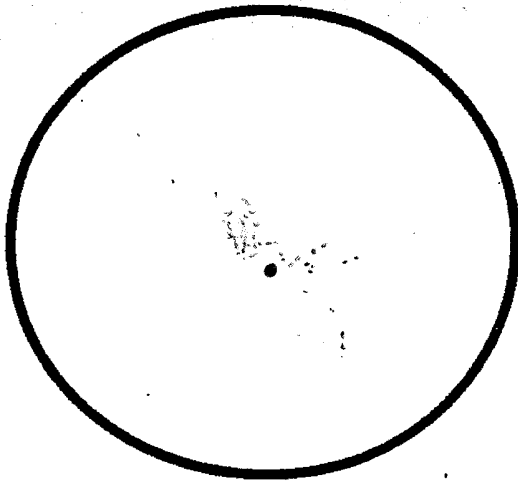
142

Object ID: Nbc 7067

Const.: Cyg

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

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



Observer Bral Yang

Date 2:50 cor

Time 10/10/7

Location Adams Ranch

Seeing I - Transparency II

Instrument X5-12

Size 12

Eyepiece 42

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

- Can this cluster be easily distinguished from the background stars? 04
- What is the overall shape of the object? oval
- 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? 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? M39 to E

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

# Observing Log

Object type: Open Cluster

112

Object ID: NGC 7082

Const.: Cyg

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

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

Observer Brah Yang

Date 10/10/7

Time 2:30

Location Adams Ranch

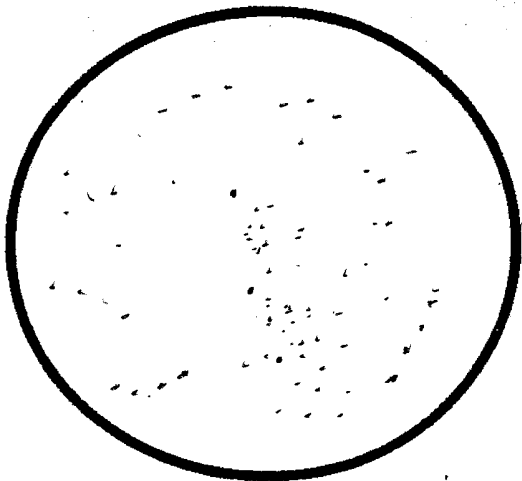
Seeing I- Transparency II

Instrument XJ12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 27



- Can this cluster be easily distinguished from the background stars? No
- What is the overall shape of the object? Bar
- 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? None
- 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? M39 & W

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



# Observing Log

Object type: Cluster/Nebula

H2

Object ID: NGC 7129

Const.: Cep

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

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

Observer B. Young

Date 11/26/8

Time 11:50 pm CST

Location RMCC

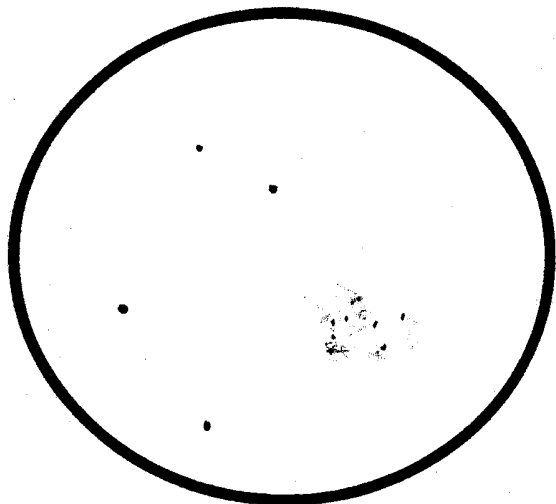
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x 42

Field of view \_\_\_\_\_ Power 75



- Can both the cluster and nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular?
- Is any part of the outer edge of the nebula sharply defined? Somewhat
- Are the stars more concentrated in any one particular area? How many stars are in the cluster? 8-10
- Is the cluster embedded in the nebulosity or is there a distinct separation?
- Is any part of the nebula brighter or more concentrated? Near star on edge
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Planetary Nebula

Object ID: NGC 7139

H2

Const.: Cep

Observer B. Young

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

Date 11/26/8

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

Time 11:20 CST

Location RMCC

Seeing II Transparency II

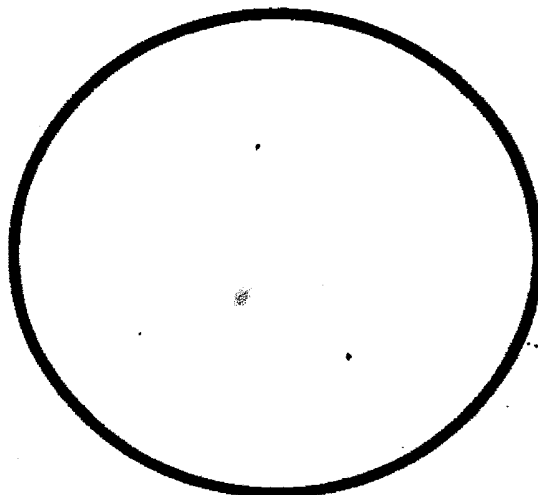
Instrument Xt-12

Size 12

Eyepiece 10

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

+ O III Filter



- What is the overall shape? Round/amorphous
- Is this planetary easy or difficult to identify in your field?
- What is the color of this planetary? None
- Is it disk-shaped or is it more stellar in appearance?
- Are the edges of the disk sharp or diffuse?
- Is the center brighter, darker, or the same brightness as the edges?
- Any suggestions for observing this nebula (i.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Hint of Cigar?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

142

Object ID: N6C 7156

Const.: Per

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

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

Observer B. Young

Date 11/3/7

Time 11:45 CST

Location RMCC

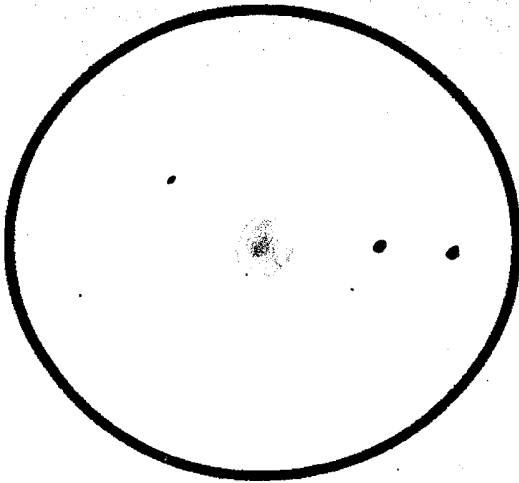
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? slightly
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some hints
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

#2

Object ID: NGC 7171

Const.: Aur

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

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

Observer B Young

Date 10/9/7

Time 9:20

Location AR

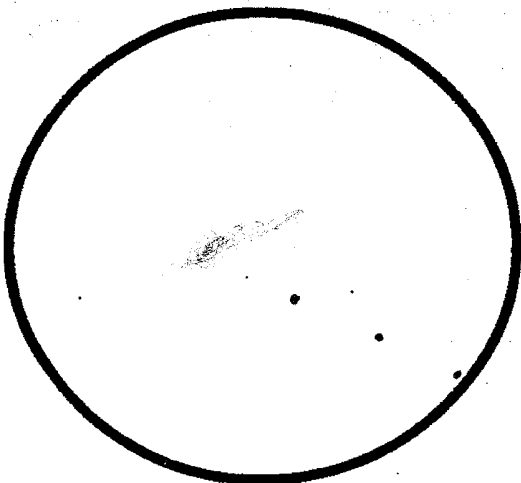
Seeing II Transparency IF

Instrument XJ-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elong
- Is a core noticeable? No
- Is the core compact or stellar? Noise - halo
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Field great to find in

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

42

Object ID: NGC 7177

Const.: Peg

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

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

Observer B. Yarb

Date 9/30/8

Time 2:00 UT

Location OT

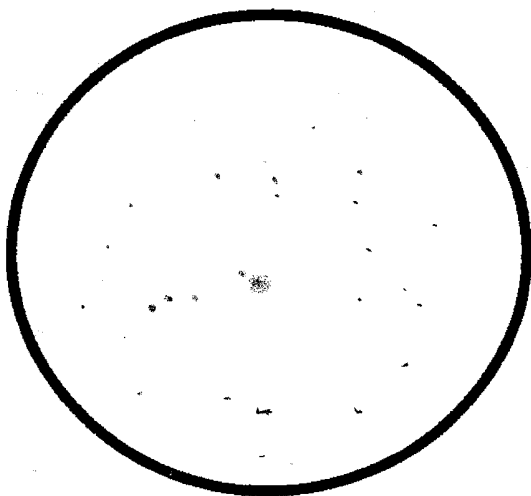
Seeing II Transparency I

Instrument XT12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

42

Object ID: NGC 7184

Const.: And

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

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

Observer B. Young

Date 10/10/7

Time 10:10

Location A. River

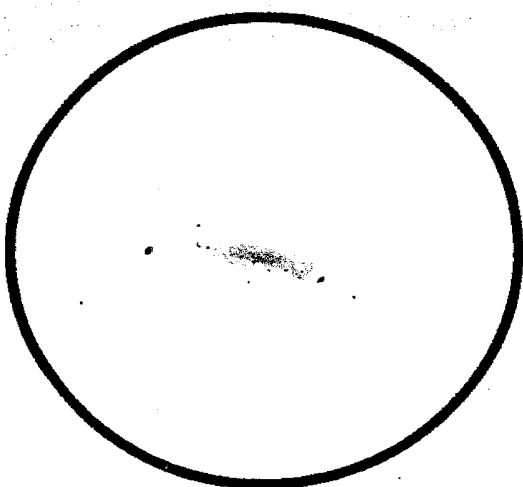
Seeing II Transparency I-

Instrument X5-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Elong
- Is a core noticeable? somewhat
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some mottling
- Are the edges of the outer envelope sharp or diffuse? Not really seen
- Can any detail or mottling be seen in the outer envelope (bright or some dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No, but

Description Part of group of 4 (see 7180, 7185, 7186)

# Observing Log

Object type: Galaxy

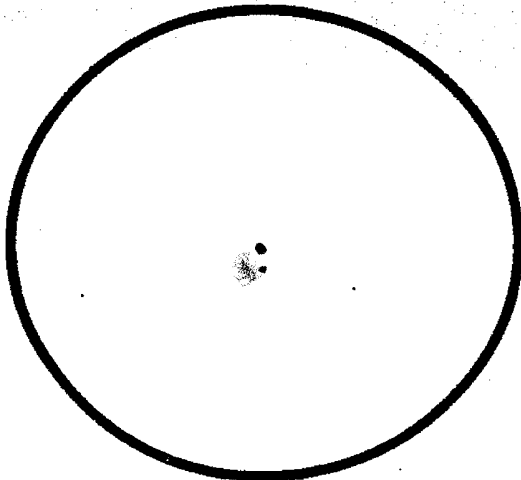
H2

Object ID: N6C 7218

Const.: And

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

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



Observer B. Yang

Date 10/10/17

Time 10:40

Location A. Ranch

Seeing 10 Transparency 2-

Instrument XT 12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 100

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? some mottling
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? no
- Are there any other deep-sky objects in the same field of view? If so, what? "m" 2 stars

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

# Observing Log

Object type: Open Cluster

COPY FOR  
H2 = 7245

Object ID: Kmg 9

Const.: Cep

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

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

Observer B Yount

Date 9/23/6

Time 10:20 CDT

Location RMCC

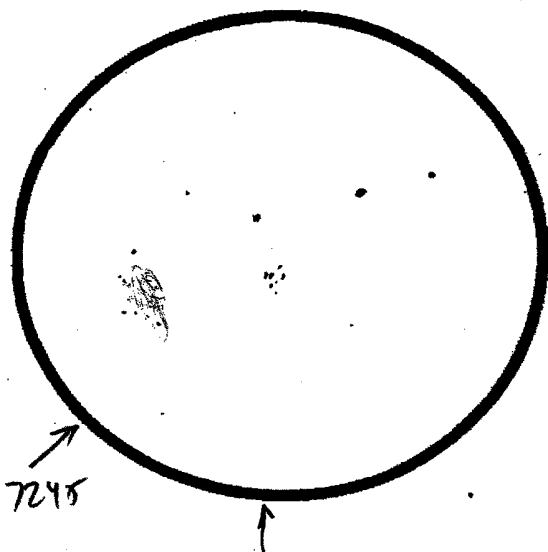
Seeing II Transparency I-

Instrument NT-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 some background nebulosity noticed? Yes
- 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+ give a line of glow E-W

Kmg 9 = Tr = II 7p



# Observing Log

Object type: Nebula

Object ID: N6C 7332/7339

Const.: Reg

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

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

Observer B. Yane H2

Date 11/4/7

Time 1:15 CDT

Location RNCC

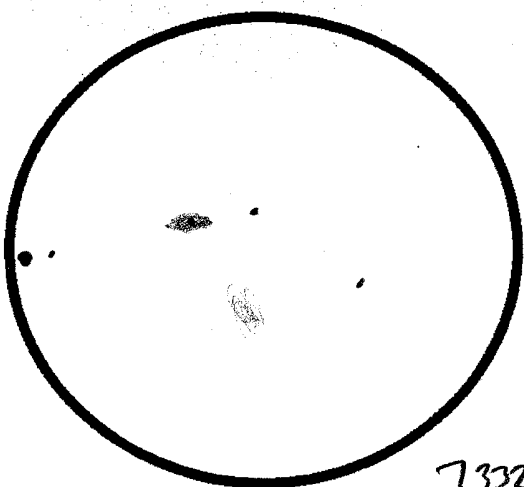
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 10

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



7332

7339

- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? 7332 elong 7339 elong
- Is any part of the outer edge of the nebula sharply defined? 7332 fairly 7339 not so much
- Is any part of the nebula brighter or more concentrated? Yes - stellar nrc No nrc
- Is there any particular area where you notice an absence of stars in this cluster? X
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? Not much detail to either
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? in "arms"
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)? Both appear to be spirals
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Planetary Nebula Club Observing Log

PNOC  
also  
H2

Observer's name: B Young

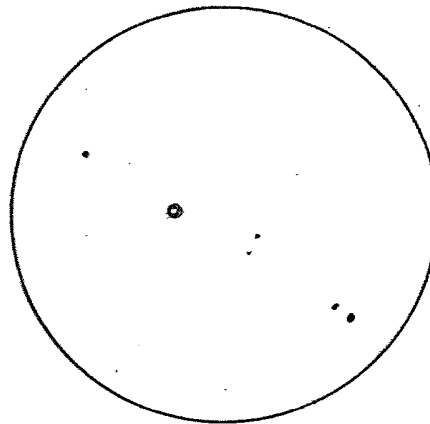
Object: <u>NHC 7354</u>	Location: <u>RMCC</u>
Date: <u>7/7/7</u>	Time: <u>12:30 AM CDT</u>
Seeing: <u>II</u>	Transparency: <u>III</u>
Darkness of the site: <u>B2</u>	Moon phase: <u>Lq</u>
Aperture and focal ratio: <u>12" E/K</u>	Magnification(s) used: <u>37, 150</u>
Device-aided? <u>No</u>	Color(s) seen:
Filters used: <u>O III</u>	Is filter required to detect the PN? <u>No, but O III helps</u>
Is the central star visible?	Direct or averted vision?

How does the planetary respond to different magnifications?

seen 37x but not 150x

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

Small disk, seems to have  
a hole in middle



verified 7/8/7 1:10 AM - same viewed  
separately

# Observing Log

Object type: Galaxy

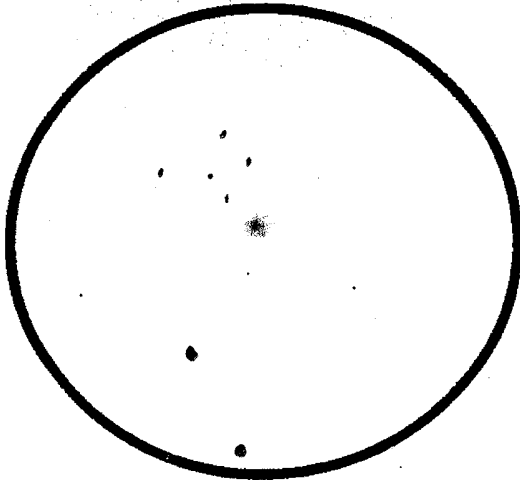
#2

Object ID: Nb 7377

Const.: And

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

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



Observer B Yang

Date 10/10/17

Time 1140

Location A. Ranch

Seeing II Transparency I-

Instrument X5

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

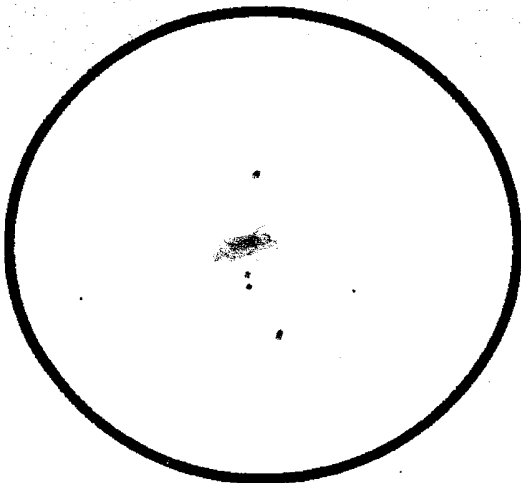
Object type: Galaxy

Object ID: M62-7392

Const.: And

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

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



Observer B. Yang

Date 10/10/7

Time 11:11

Location Adams Ranch

Seeing II Transparency I-

Instrument X5-12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 100

- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? lenticular
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some no H<sub>2</sub>
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Open Cluster

142

Object ID: NGC 7419

Const.: Cep

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

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

Observer B. Young

Date 11/26/8

Time 11:30 CST

Location RMCC

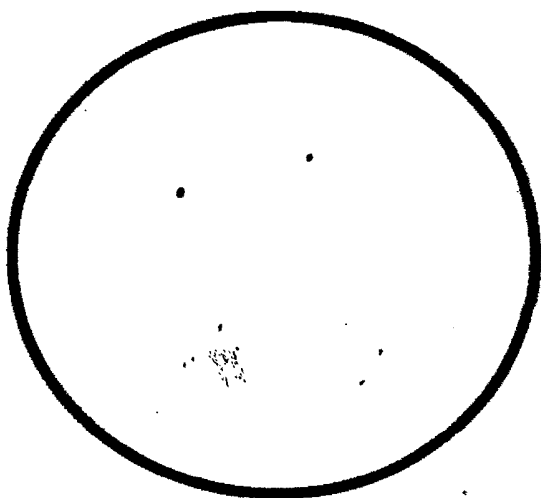
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Clump + lines
- How many stars can you count in the cluster? 25 ish
- Are the stars more concentrated in any one particular area? near 8m 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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Observing Log

Object type: Galaxy

Object ID: NBC 7457

H2

Const.: Peg

Observer B. Young

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

Date 9/29/8

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

Time 2:30 AM

Location Ohio-Tex

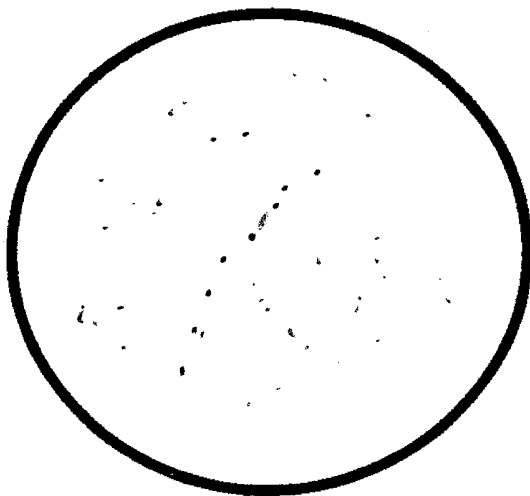
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 42mm

Field of view 1° Power 36x



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Small blob
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: ~~Nebula~~

Object ID: NbC 7463/7465

Galaxy

H2

Const.: Peg

Observer B. Young

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

Date 11/4/7

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

Time 12:45 CST

Location RMCC

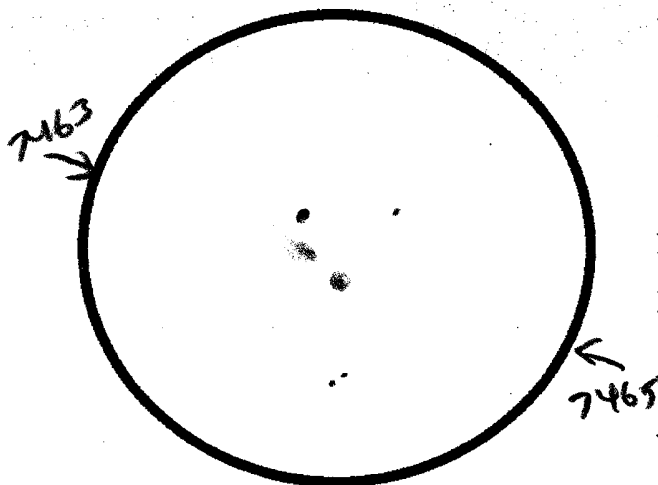
Seeing II Transparency II

Instrument X-T-12

Size 12

Eyepiece 10

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



- Can this nebula be seen with direct vision, or is averted vision required?
- Is there an overall shape of the object or is it simply irregular? 7463 elong, 7465 round
- Is any part of the outer edge of the nebula sharply defined? No, a bit
- Is any part of the nebula brighter or more concentrated? No nuc, sharp compact nuc
- Is there any particular area where you notice an absence of stars in this cluster? X
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? No
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula? Nicely near 6m
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? Each other

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

# Observing Log

Object type: Galaxy

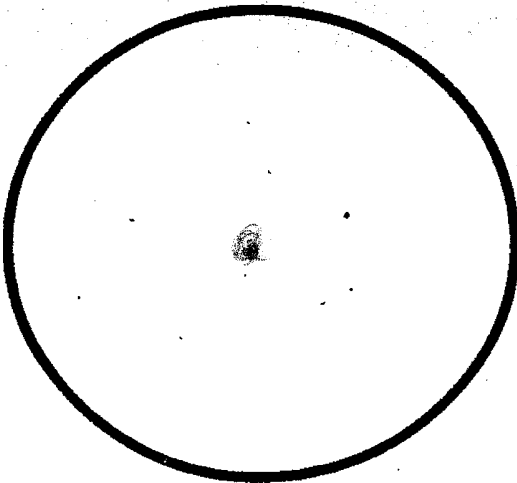
H2

Object ID: N6C 7507

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

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

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



Observer Brad Young

Date 10/11/7

Time 12:00

Location Adams Ranch

Seeing I- Transparency I-

Instrument 8x12

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 180

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 7513 new

Description \_\_\_\_\_

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



Observing Log  
Object type: Galaxy

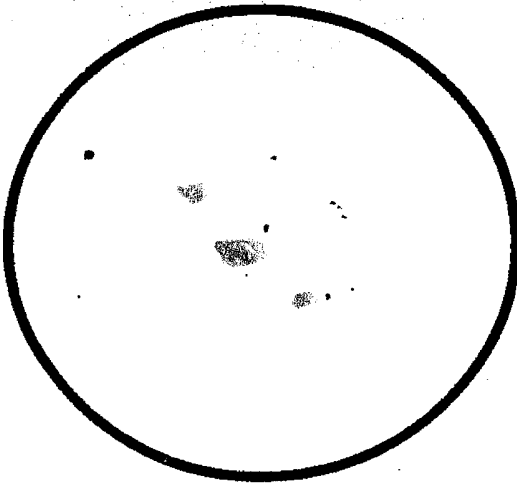
H2

Object ID: NGC 7541

Const.: Psc

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

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



Observer B. York

Date 11/3/7

Time 10:15 CDT

Location RMCC

Seeing II Transparency II

Instrument X12

Size 12

Eyepiece 10

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

- Can this galaxy be seen with direct vision, or is averted vision required? use
- What is the overall shape? main = elong oval and
- Is a core noticeable? No
- Is the core compact or stellar? No
- Can any detail be seen between the core and the outer envelope of the object? No - can glow
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? 3

Description now!

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

# Observing Log

Object type: Galaxy

H2  
+

Object ID: NGC 7562 / 7557

Const.: Psc

Observer B. Young

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

Date 11/3/7

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

Time 10:50 AM

Location RMCC

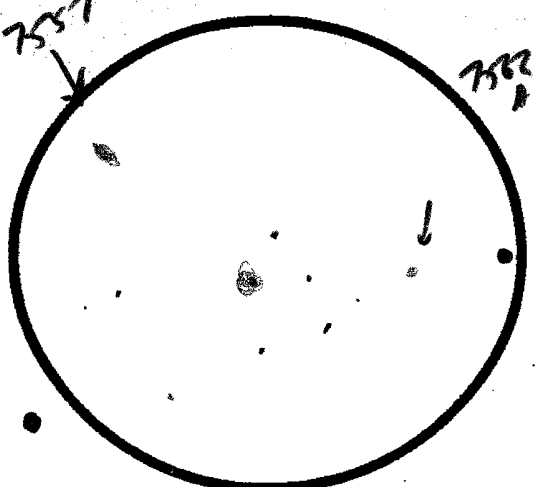
Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? 7562 ellip A spot 7557 oval
- Is a core noticeable? 7562 yes others no
- Is the core compact or stellar? 7562 stellar
- Can any detail be seen between the core and the outer envelope of the object? 7562 some gradation
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? End. star

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

# Observing Log

Object type: Galaxy

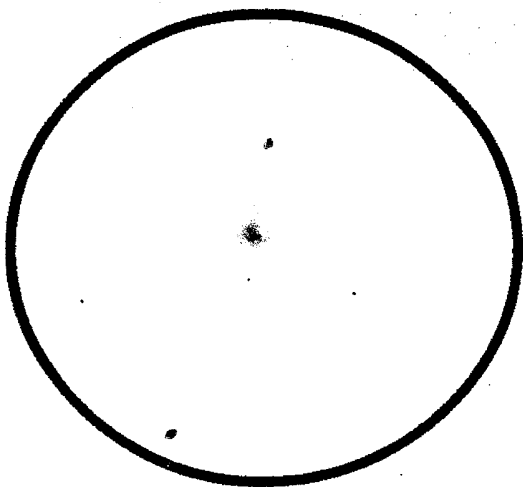
H2

Object ID: Ngc 7600

Const.: And

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

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



Observer Brad Yang

Date 10/11/17

Time 12:30

Location Admiral

Seeing I- Transparency I-

Instrument XLT

Size 12

Eyepiece 10

Field of view \_\_\_\_\_ Power 100

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: Nbc 7619/7623/7626

H2

Const.: Reg + Nbc 7628

Observer B York

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

Date 11/4/7

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

Time 12:00 CDT

Location RMCC

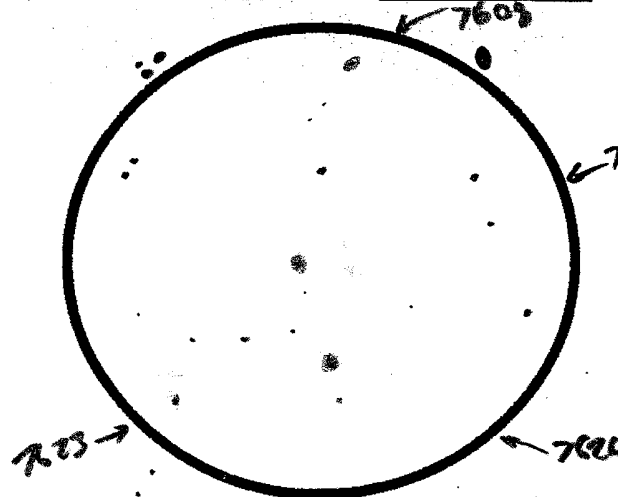
Seeing II Transparency II

Instrument AT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required? 19826
- What is the overall shape? All round
- Is a core noticeable? All yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Hints of
- Are there any other deep-sky objects in the same field of view? If so, what? Each other way!

of  
galaxies

Description \_\_\_\_\_

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

# Observing Log

Object type: Nebula

H2

Object ID: NGC 7635

Const.: Cas

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

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

Observer Bi Young

Date 7/1/8

Time 2:40 CDT

Location Adams Ranch

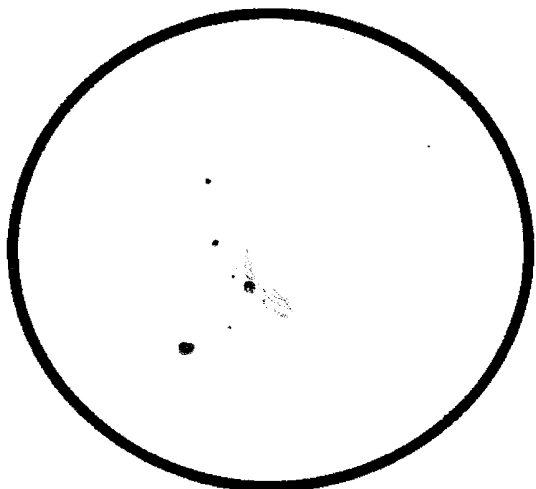
Seeing II Transparency # -

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 7x



- Can this nebula be seen with direct vision, or is use averted vision required?
- Is there an overall shape of the object or is it simply irregular? L
- Is any part of the outer edge of the nebula sharply defined? a little
- Is any part of the nebula brighter or more concentrated? near star
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any voids or dark patches, or lanes in the nebula? Any bright filaments or streamers? sw edge defined better
- Is there an open cluster nearby or involved or any obvious stars involved with this nebula?
- Any suggestions for observing this nebula (I.e. filter, power, field of view, etc.)?
- Are there any other deep-sky objects in the same field of view? If so, what? M52 nearby

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

Observing Log  
Object type: Galaxy

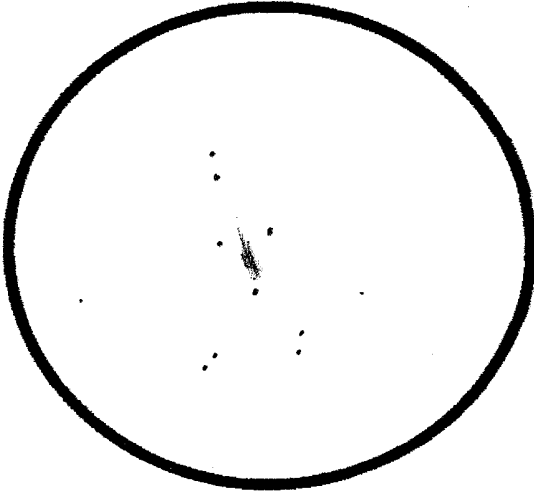
H2

Object ID: NGC 7640

Const.: And

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

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



Observer B Young

Date 8/31/8

Time 11:35 pm CDT

Location RMCC

Seeing II Transparency II

Instrument Xt-12

Size 12

Eyepiece 42x2

Field of view \_\_\_\_\_ Power 72x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Line/bar
- Is a core noticeable? Somewhat
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Just bar
- Are the edges of the outer envelope sharp or some diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? A hint
- Are there any other deep-sky objects in the same field of view? If so, what? No, but 7662 nearby

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

# Observing Log

Object type: Galaxy

H 2

Object ID: N6C 7742

Const.: Peg

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

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

Observer B. Young

Date 11/4/17

Time 12:10 CST

Location RMCC

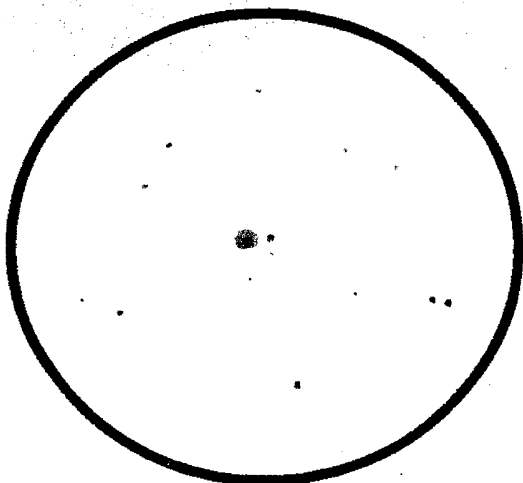
Seeing II Transparency II

Instrument XLT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? Rond
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Open Cluster

Object ID: NGC 7762

#2

Const.: Cep

Observer B. Young

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

Date 1/2/9

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

Time 7:00 pm

Location RMCC

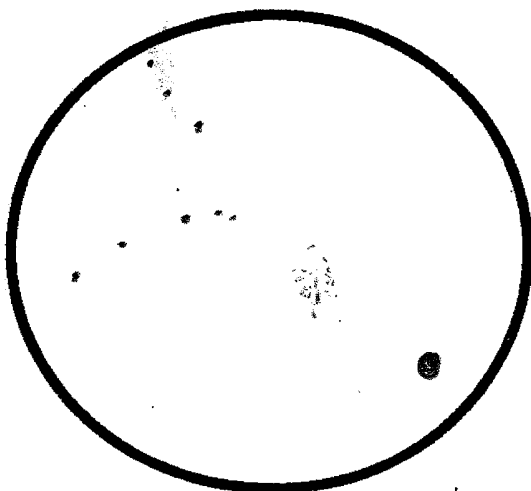
Seeing II Transparency II

Instrument X-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this cluster be easily distinguished from the background stars?
- What is the overall shape of the object? Fountain head
- How many stars can you count in the cluster? 30
- Are the stars more concentrated in any one particular area? Line of ~8 as shown
- 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 KC confirmed



# Observing Log

Object type: Galaxy

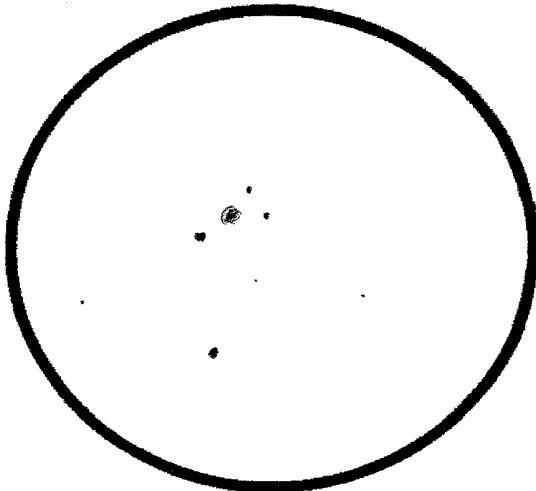
H2

Object ID: N6C 7785

Const.: Psc

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

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



Observer B Young

Date 9/1/8

Time 12:40

Location RMCC

Seeing II Transparency II

Instrument XST-12

Size 12

Eyepiece 2X42

Field of view \_\_\_\_\_ Power 72x

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: N66 7785

H2

Const.: Psc

Observer B. Yount

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

Date 11/3/7

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

Time 11:00 AM

Location Rice

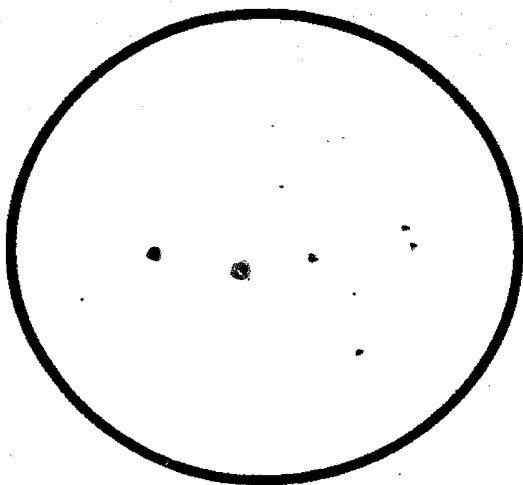
Seeing II Transparency II

Instrument RT-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description near field

# Observing Log

Object type: Galaxy

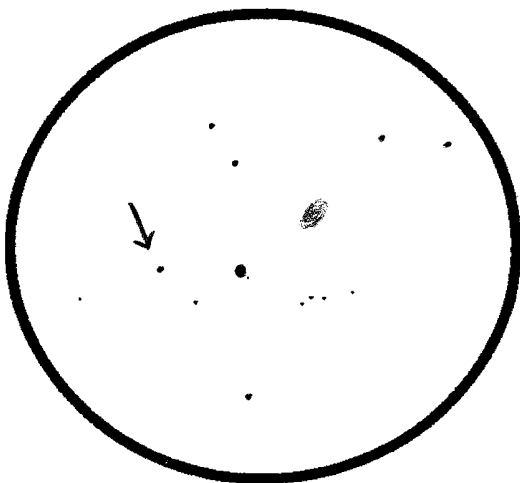
H2

Object ID: Ngc 7814

Const.: Peg

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

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



Observer B Young

Date 9/1/8

Time 12:35

Location RMCC

Seeing II Transparency II -

Instrument XT12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 72

- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? oval "tipped"
- Is a core noticeable? No
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Some hints
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)?
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description What is → star? = TYC 1178-579-1 9.9m

Observing Log  
Object type: Galaxy

A2

Object ID: N6C 7832

Const.: Psc

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

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

Observer B. Yant

Date 11/13/7

Time 10:00 CDT

Location RMCC

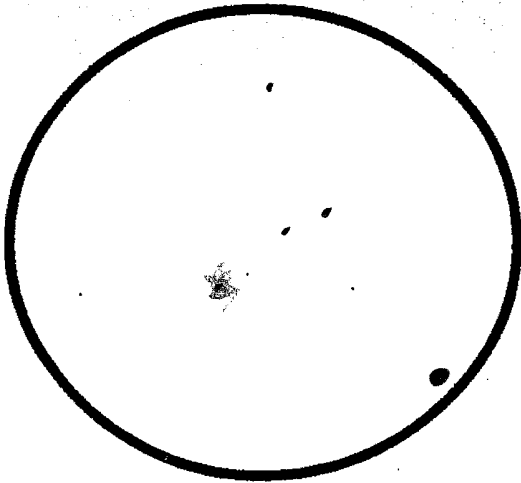
Seeing II Transparency II

Instrument X5-12

Size 12

Eyepiece 10

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



- Can this galaxy be seen with direct vision, or is use averted vision required?
- What is the overall shape? oval
- Is a core noticeable? Yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? Yes, some
- Are the edges of the outer envelope sharp or diffuse? mottling
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? Yes
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

H2

Object ID: NGC 23

Const.: Peg

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

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

Observer B. Young

Date 10/2/8

Time 5:30 UT

Location Olwe-Tex

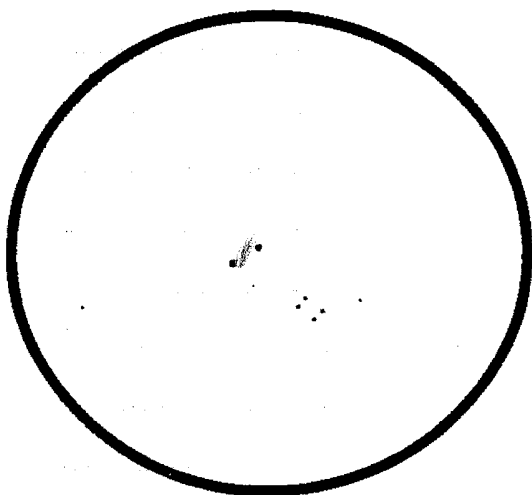
Seeing I Transparency I

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Tapered oval
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description SEEN BETWEEN 1156 & 1207 - 10'D 4/23/09  
(FROM QW6)

↑  
THIS ORIGINAL NOTE REFERS TO  
NGC 1003, WHICH WAS ALSO  
SEEN, OVER IN PERSEUS (SEE  
PAGE 372)

# Observing Log

Object type: Galaxy

Object ID: NGC 2493

H2

Const.: Lyn

Observer B. Young

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

Date 12/28/08

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

Time 9:45

Location RMCC

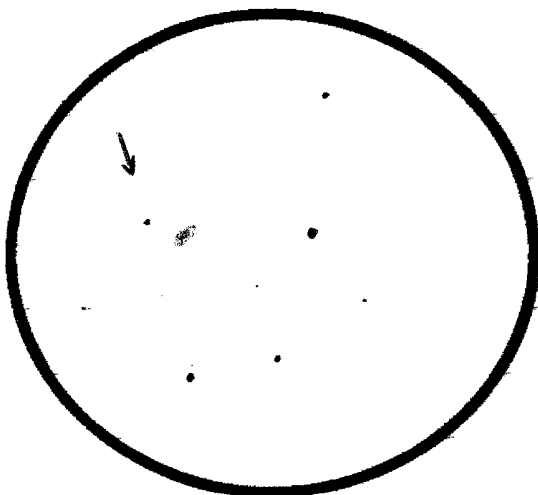
Seeing II Transparency II

Instrument XT-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75x



- Can this galaxy be seen with direct vision or is averted vision required?
- What is the overall shape? oval
- Is a core noticeable? yes
- Is the core compact or stellar?
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope oh sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Arrowed star "fuzzy" - ?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Observing Log

Object type: Galaxy

Object ID: NGC 2500

H2

Const.: Lyn

Observer B. Young

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

Date 12/28/08

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

Time 9:55

Location RMCC

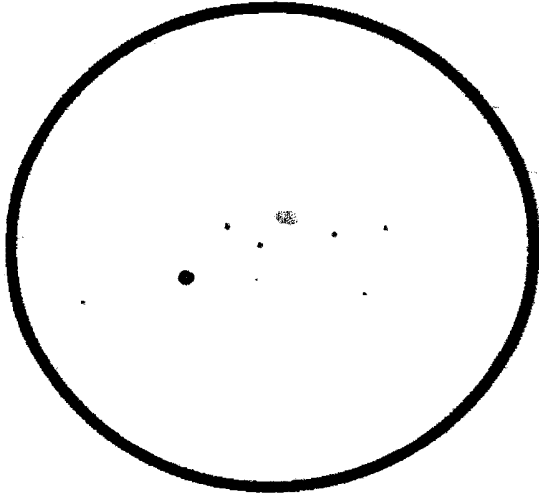
Seeing II Transparency II

Instrument X7-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Round
- Is a core noticeable? No
- Is the core compact or stellar? —
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

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

# Observing Log

Object type: Galaxy

Object ID: NGC 2541

142

Const.: Lyn

Observer B. Young

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

Date 12/28/08

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Time 10:15

Location RMCC

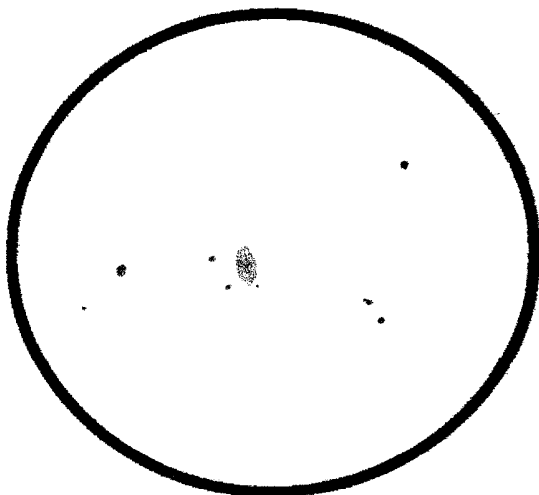
Seeing II Transparency II

Instrument X12-12

Size 12

Eyepiece 2x42

Field of view \_\_\_\_\_ Power 75



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? Oval
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description Faint, sl. large



# OBSERVATION LOG

NAME B. YOUNG	DATE 10/2/8	INSTRUMENT XT-12	SEEING I	OBJECT NAME NGC 1003
SITE DKIE-TEX	TIME ~6 UT	POWER 75	TRANSPARENCY I	CONSTELLATION Per
DESCRIPTION				
Notes indicate it was seen as a small oval glow w/ no details - no drawing made or lost.				

NAME B. YOUNG	DATE 4/16/7	INSTRUMENT XT-12	SEEING II	OBJECT NAME NGC 3513
SITE RMCC	TIME ~1 AM	POWER 36X	TRANSPARENCY I	CONSTELLATION Crt
DESCRIPTION				
See p. 146 - 3513 seen in field w/ 3511. M35 numbered both as 3611 & 3613. No drawing made or lost.				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
DESCRIPTION				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
DESCRIPTION				