

# BINOCULAR OBJECT 0001

# Mel 25

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **Mel 25**

R.A.: **04h27m00s**

Dec: **16°00'00"**

Const: **Tau**

Type: **OCL**

Magnitude: **0.5**

Size: **330**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

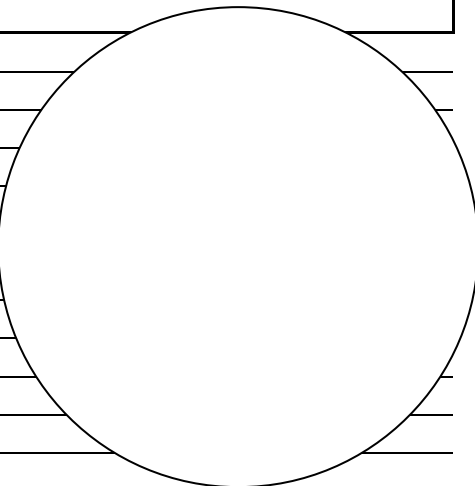
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

The Hyades

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0002

## Mel 20

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **Mel 20**

R.A.: **03h22m00s**

Type: **OCL**

Dec: **49°00'00"**

Magnitude: **1.2**

Const: **Per**

Size: **185**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

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Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

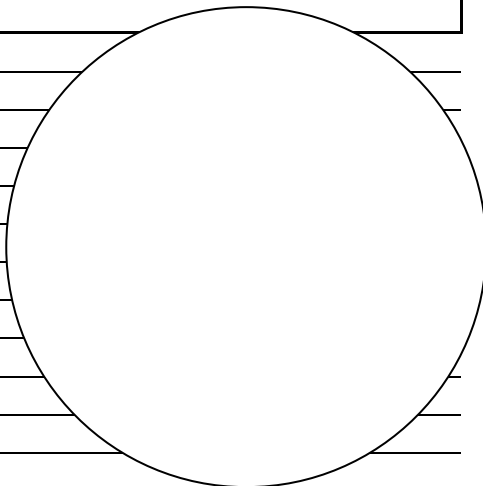
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Alpha Persei Association

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0003

## M45

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: M45

R.A.: 03h47m30s

Dec: 24°07'00"

Const: Tau

Type: OCL

Magnitude: 1.6

Size: 120

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Observation area with a large circular field of view indicator on the right side.

Indicate NORTH with arrow

#### NOTES

Pleiades, Seven Sisters

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0004

## Mel 111

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **Mel 111**

R.A.: **12h25m00s**

Type: **OCL**

Dec: **26°00'00"**

Magnitude: **1.8**

Const: **Com**

Size: **275**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

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Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

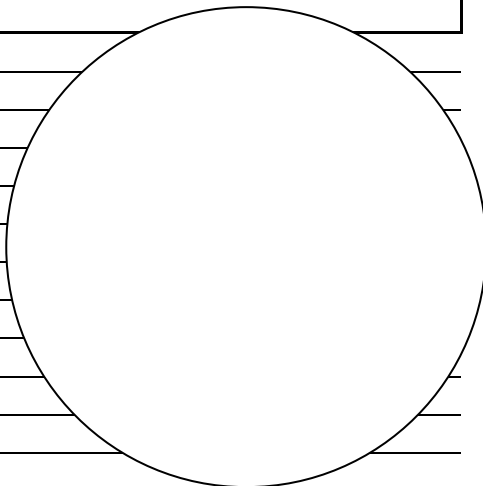
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Coma Star Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0005

# M7

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M7**

R.A.: **17h53m51s**

Dec: **-34°47'36"**

Const: **Sco**

Type: **OCL**

Magnitude: **3.5**

Size: **80**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Scorpion's Tail

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0006  
**CR399**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **CR399**

R.A.: **19h25m24s**

Dec: **20°11'**

Const: **Vul**

Type: **OCL**

Magnitude: **3.6**

Size: **60**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

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Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Observation notes area with horizontal lines and a large circular field of view on the right.

Indicate NORTH with arrow

**NOTES**

Coathanger

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0007

# NGC2264

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2264**

R.A.: **06h40m58s**

Type: **OCL**

Dec: **09°53'42"**

Magnitude: **3.9**

Const: **Man**

Size: **20**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0008  
**NGC2232**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC2232**

R.A.: **06h28m01s**

Type: **OCL**

Dec: **-04°50'48"**

Magnitude: **3.9**

Const: **Man**

Size: **29**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

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Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Observation log section with horizontal lines and a large circular field for drawing or notes.

Indicate NORTH with arrow

**NOTES**

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0009

# M42

## *OBSERVATION LOG*

Observer:

Date:

Time:

### OBJECT

**Name: M42**  
 R.A.: **05h35m16s**                      Dec: **-05°23'25"**                      Const: **Ori**  
 Type: **OCL + DNE**                      Magnitude: **4**                      Size: **66**

### OBSERVING SITE

Location:  
 Latitude:                                      Longitude:                                      Elevation:

### SKY

Darkness/SQM:                              Wind Speed:                              Temperature:  
 Seeing:                                      Wind Dir:                                      Humidity:

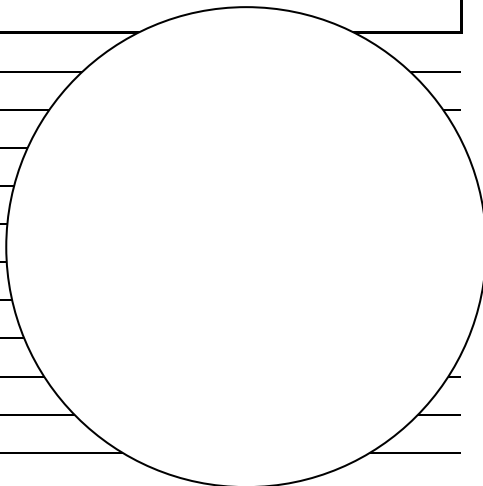
### TELESCOPE

OTA:                                      FL:                                      f/                                      Type:                                      Mount:  
 Slew Control:                                      Navigation Aid:

### IMAGER

Eyepiece:                                      FOV:                                      Type:                                      Barlow:                                      Net Mag:  
 Camera:                                      Type:                                      ASA:                                      Guider:  
 Exp time:                                      Exp count:                                      Dark frame:                                      Bias frame:                                      Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Great Orion Nebula  
 7x35: Easy  
 20x80: Easy



# BINOCULAR OBJECT 0010

# M44

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M44**

R.A.: **08h40m24s**

Dec: **19°39'60"**

Const: **Cnc**

Type: **OCL**

Magnitude: **4**

Size: **95**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

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Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view for sketching or drawing.

Indicate NORTH with arrow

### NOTES

Beehive Cluster

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0011

# Kemble 1

## OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**

Name: **Kemble 1**

R.A.: **03h58m00s**

Type: **OCL**

Dec: **63°06'00"**

Magnitude: **4.0**

Const: **Cam**

Size: **180**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

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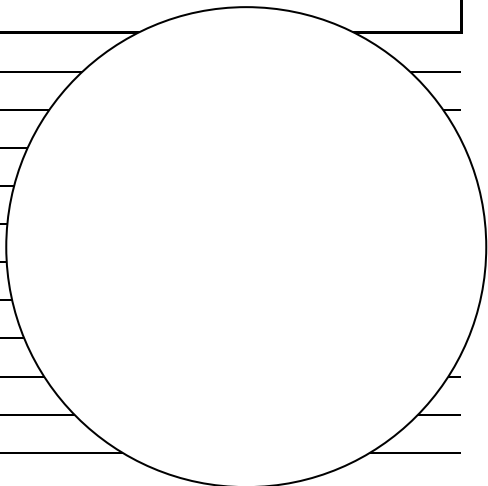
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Indicate NORTH with arrow

**NOTES**

3 degree chain of stars

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0012

# NGC1981

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC1981**  
R.A.: **05h35m09s**  
Type: **OCL**

Dec: **-04°25'54"**  
Magnitude: **4.2**

Const: **Ori**  
Size: **25**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

### TELESCOPE

OTA:  
Slew Control:

FL:  $f/$   
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

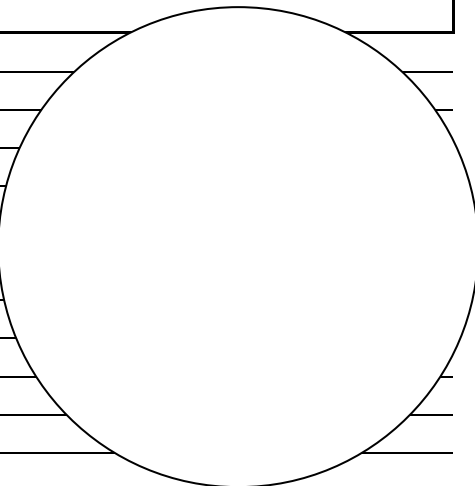
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Easy  
20x80: Easy



# BINOCULAR OBJECT 0013

# IC4665

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **IC4665**

R.A.: **17h46m30s**

Dec: **05°39'00"**

Const: **Oph**

Type: **OCL**

Magnitude: **4.2**

Size: **70**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0014

# M31

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M31**

R.A.: **00h42m44s**

Dec: **41°16'08"**

Const: **And**

Type: **GXY**

Magnitude: **4.3**

Size: **189**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Andromeda Galaxy

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0015  
**Stock 2**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **Stock 2**

R.A.: **02h15m00s**

Dec: **59°16'00"**

Const: **Cas**

Type: **OCL**

Magnitude: **4.4**

Size: **60**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

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Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

**NOTES**

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0016

## M6

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M6**

R.A.: **17h40m20s**

Dec: **-32°15'12"**

Const: **Sco**

Type: **OCL**

Magnitude: **4.5**

Size: **15**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

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Indicate NORTH with arrow

#### NOTES

Butterfly Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0017

# M47

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M47**

R.A.: **07h36m35s**

Type: **OCL**

Dec: **-14°29'00"**

Magnitude: **4.5**

Const: **Pup**

Size: **30**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation area with a large circle for field of view.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0018

## M24

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M24**  
 R.A.: **18h18m26s**      Dec: **-18°24'24"**      Const: **Sgr**  
 Type: **OCL**      Magnitude: **4.5**      Size: **80**

#### OBSERVING SITE

Location:  
 Latitude:      Longitude:      Elevation:

#### SKY

Darkness/SQM:      Wind Speed:      Temperature:  
 Seeing:      Wind Dir:      Humidity:

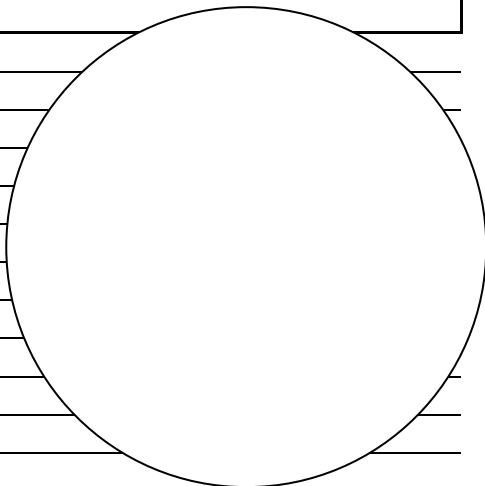
#### TELESCOPE

OTA:      FL:      f/      Type:      Mount:  
 Slew Control:      Navigation Aid:

#### IMAGER

Eyepiece:      FOV:      Type:      Barlow:      Net Mag:  
 Camera:      Type:      ASA:      Guider:  
 Exp time:      Exp count:      Dark frame:      Bias frame:      Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Sagittarius Star Cloud  
 7x35: Easy  
 20x80: Easy



# BINOCULAR OBJECT 0019

# NGC6633

## OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**

Name: **NGC6633**

R.A.: **18h27m15s**

Type: **OCL**

Dec: **06°30'30"**

Magnitude: **4.6**

Const: **Oph**

Size: **20**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

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Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

**NOTES**

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0020

# IC4756

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **IC4756**

R.A.: **18h38m54s**

Dec: **05°27'00"**

Const: **Ser**

Type: **OCL**

Magnitude: **4.6**

Size: **40**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0021  
**NGC2244**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC2244**

R.A.: **06h31m56s**

Type: **OCL**

Dec: **04°56'35"**

Magnitude: **4.8**

Const: **Man**

Size: **23**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

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Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

**NOTES**

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0022 M20

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M20**

R.A.: **18h02m42s**

Type: **OCL + DNE**

Dec: **-22°58'18"**

Magnitude: **5**

Const: **Sgr**

Size: **29**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

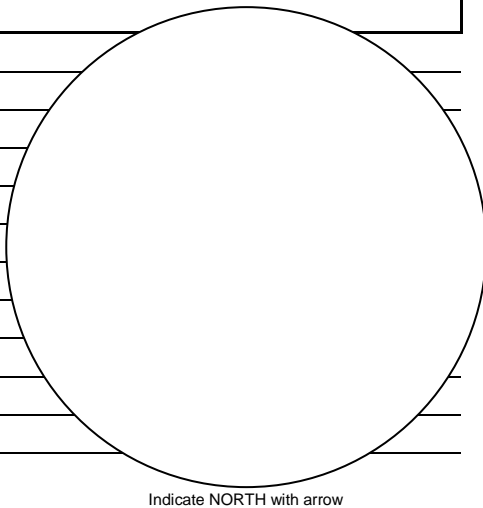
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Trifid Nebula

7x35: Not Viewable

20x80: Challenge



# BINOCULAR OBJECT 0023

# M41

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M41**

R.A.: **06h46m01s**

Type: **OCL**

Dec: **-20°45'24"**

Magnitude: **5**

Const: **CMa**

Size: **38**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

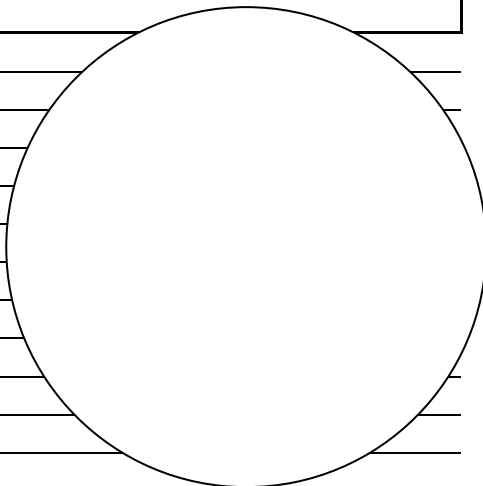
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Little Beehive

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0024

# M8

## *OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

**Name: M8**  
 R.A.: **18h03m41s**                      Dec: **-24°22'48"**                      Const: **Sgr**  
 Type: **OCL + DNE**                      Magnitude: **5**                      Size: **90**

**OBSERVING SITE**

Location:  
 Latitude:                                      Longitude:                                      Elevation:

**SKY**

Darkness/SQM:                              Wind Speed:                              Temperature:  
 Seeing:                                      Wind Dir:                                      Humidity:

**TELESCOPE**

OTA:                                      FL:                                      f/                                      Type:                                      Mount:  
 Slew Control:                                      Navigation Aid:

**IMAGER**

Eyepiece:                                      FOV:                                      Type:                                      Barlow:                                      Net Mag:  
 Camera:                                      Type:                                      ASA:                                      Guider:  
 Exp time:                                      Exp count:                                      Dark frame:                                      Bias frame:                                      Software:

**OBSERVATIONS**

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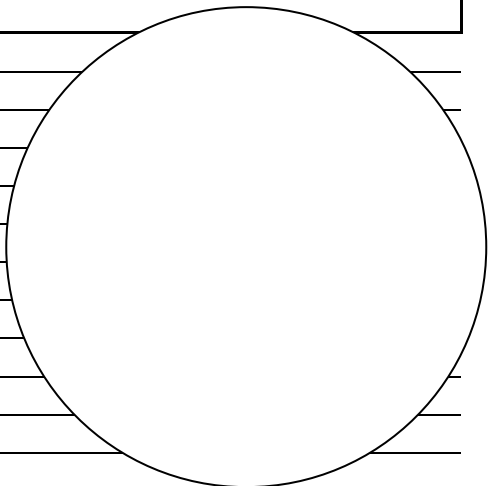
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Indicate NORTH with arrow

**NOTES**

Lagoon Nebula  
 7x35: Easy  
 20x80: Easy



# BINOCULAR OBJECT 0025

## NGC869

### *OBSERVATION LOG*

Observer: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

#### OBJECT

Name: **NGC869**

R.A.: **02h19m00s**

Dec: **57°07'42"**

Const: **Per**

Type: **OCL**

Magnitude: **5.3**

Size: **29**

#### OBSERVING SITE

Location: \_\_\_\_\_

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Elevation: \_\_\_\_\_

#### SKY

Darkness/SQM: \_\_\_\_\_

Wind Speed: \_\_\_\_\_

Temperature: \_\_\_\_\_

Seeing: \_\_\_\_\_

Wind Dir: \_\_\_\_\_

Humidity: \_\_\_\_\_

#### TELESCOPE

OTA: \_\_\_\_\_

FL: \_\_\_\_\_

*f/*

Type: \_\_\_\_\_

Mount: \_\_\_\_\_

Slew Control: \_\_\_\_\_

Navigation Aid: \_\_\_\_\_

#### IMAGER

Eyepiece: \_\_\_\_\_

FOV: \_\_\_\_\_

Type: \_\_\_\_\_

Barlow: \_\_\_\_\_

Net Mag: \_\_\_\_\_

Camera: \_\_\_\_\_

Type: \_\_\_\_\_

ASA: \_\_\_\_\_

Guider: \_\_\_\_\_

Exp time: \_\_\_\_\_

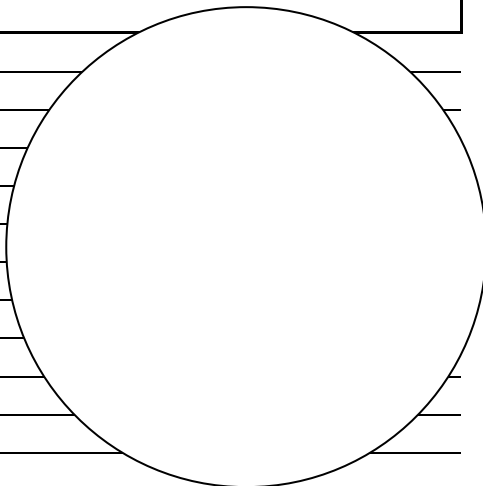
Exp count: \_\_\_\_\_

Dark frame: \_\_\_\_\_

Bias frame: \_\_\_\_\_

Software: \_\_\_\_\_

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

7x35: \_\_\_\_\_

20x80: \_\_\_\_\_



# BINOCULAR OBJECT 0026

# NGC2281

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2281**

R.A.: **06h48m17s**

Type: **OCL**

Dec: **41°04'42"**

Magnitude: **5.4**

Const: **Aur**

Size: **14**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

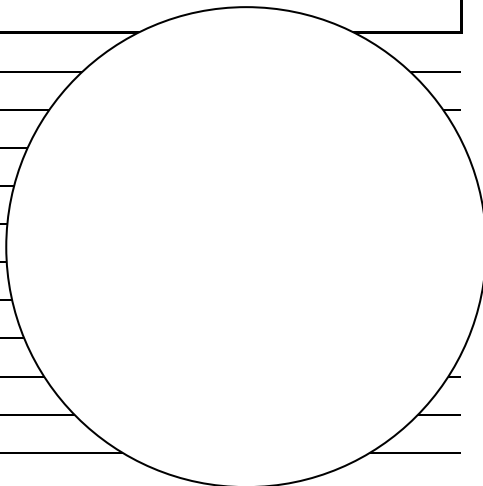
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0027

# M35

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M35**

R.A.: **06h09m00s**

Type: **OCL**

Dec: **24°21'00"**

Magnitude: **5.5**

Const: **Gem**

Size: **28**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

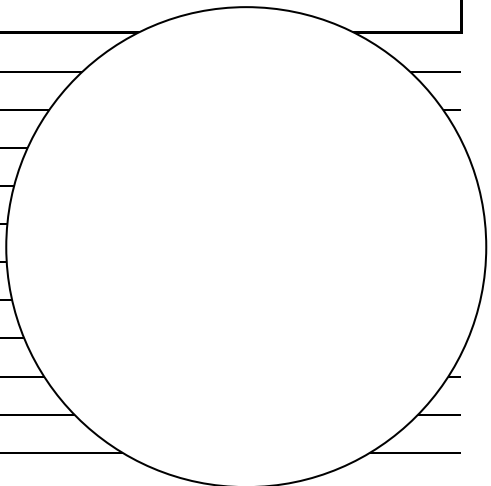
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0028

## NGC7092

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **NGC7092**

R.A.: **21h31m42s**

Type: **OCL**

Dec: **48°25'00"**

Magnitude: **5.5**

Const: **Cyg**

Size: **32**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Observation area with a large circle and horizontal lines for notes.

Indicate NORTH with arrow

#### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0029

# M48

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M48**

R.A.: **08h13m43s**

Type: **OCL**

Dec: **-05°45'00"**

Magnitude: **5.5**

Const: **Hya**

Size: **54**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

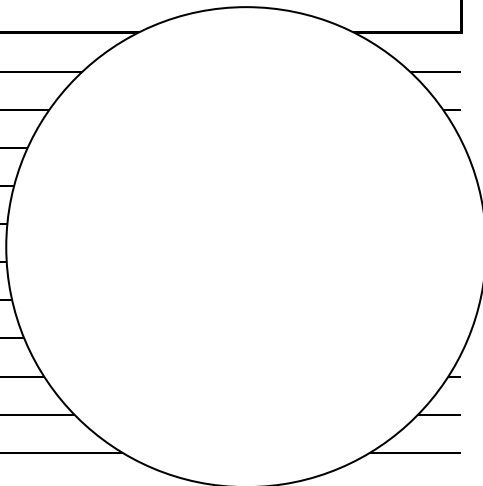
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0030

# CR463

## *OBSERVATION LOG*

Observer: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

**OBJECT**

Name: **CR463**

R.A.: **01h48m24s**

Dec: **71°57'**

Const: **Cas**

Type: **OCL**

Magnitude: **5.7**

Size: **36**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

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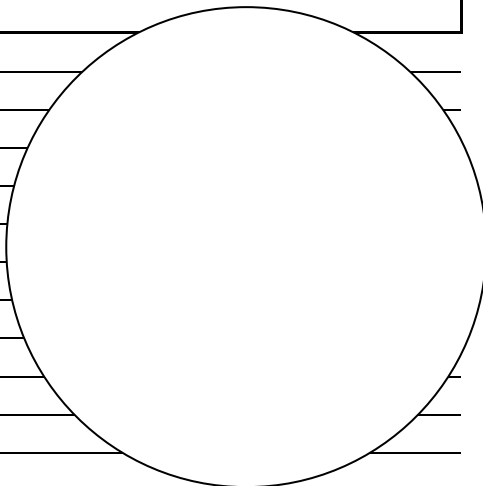
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\_\_\_\_\_

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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0031 NGC752

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC752**

R.A.: **01h57m41s**

Type: **OCL**

Dec: **37°47'06"**

Magnitude: **5.7**

Const: **And**

Size: **50**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

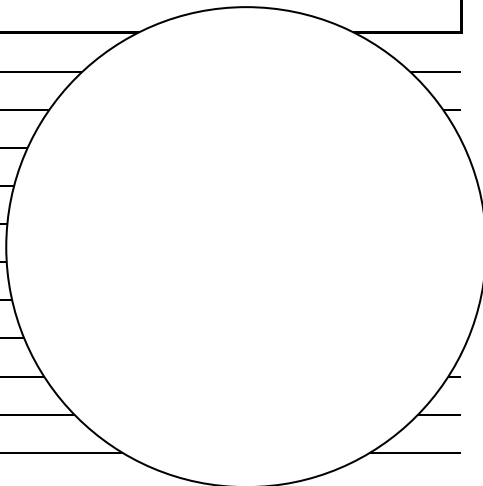
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0032

# NGC2169

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2169**

R.A.: **06h08m24s**

Type: **OCL**

Dec: **13°57'54"**

Magnitude: **5.9**

Const: **Ori**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

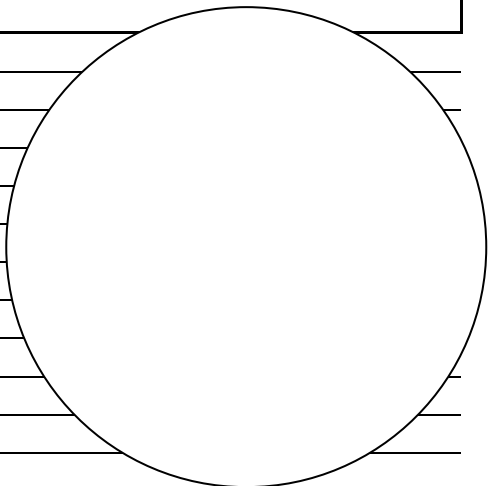
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0033

## TR 2

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **TR 2**

R.A.: **02h37m18s**

Type: **OCL**

Dec: **55°59'00"**

Magnitude: **5.9**

Const: **Per**

Size: **20**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

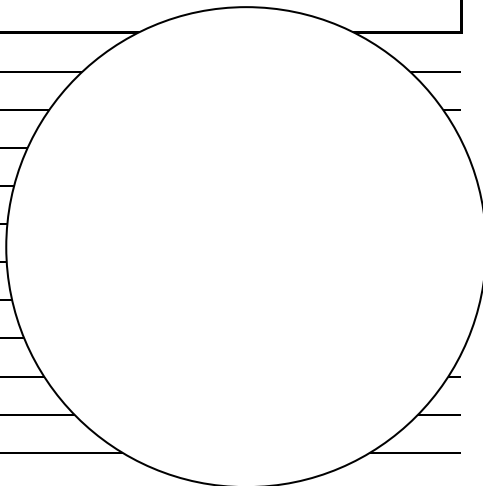
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0034

# NGC2301

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2301**

R.A.: **06h51m45s**

Type: **OCL**

Dec: **00°27'36"**

Magnitude: **6.0**

Const: **Man**

Size: **12**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

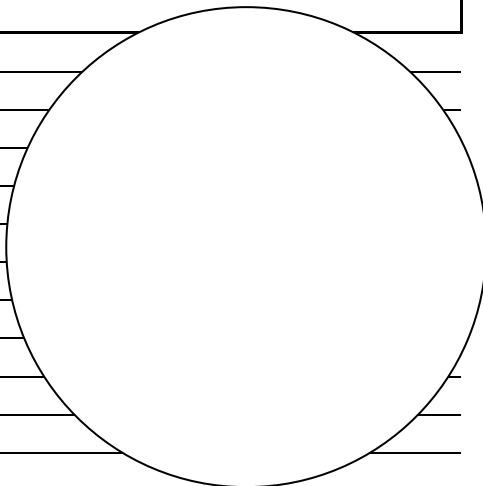
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0035

# M37

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M37**

R.A.: **05h52m18s**

Dec: **32°33'12"**

Const: **Aur**

Type: **OCL**

Magnitude: **6**

Size: **24**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

Salt-and-pepper Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0036

## M23

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M23**

R.A.: **17h57m04s**

Type: **OCL**

Dec: **-18°59'06"**

Magnitude: **6**

Const: **Sgr**

Size: **27**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS


Indicate NORTH with arrow

#### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0037

# M34

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M34**

R.A.: **02h42m05s**

Type: **OCL**

Dec: **42°45'42"**

Magnitude: **6**

Const: **Per**

Size: **35**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

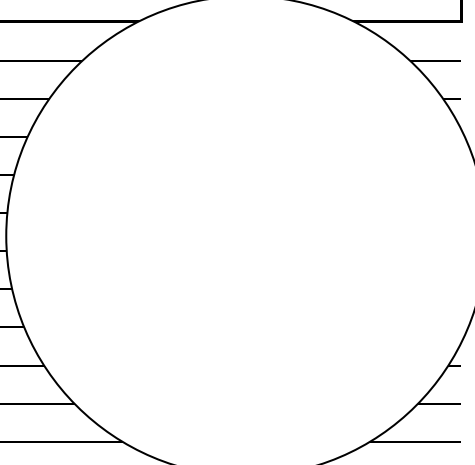
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Spiral Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0038

# NGC7160

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC7160**

R.A.: **21h53m40s**

Type: **OCL**

Dec: **62°36'12"**

Magnitude: **6.1**

Const: **Cep**

Size: **7**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



BINOCULAR OBJECT 0039  
**NGC884**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC884**

R.A.: **02h22m18s**

Type: **OCL**

Dec: **57°08'12"**

Magnitude: **6.1**

Const: **Per**

Size: **29**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Series of horizontal lines for text entry, with a large circle on the right side.

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0040

# NGC1746

## OBSERVATION LOG

Observer: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

<b>OBJECT</b>
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<b>Name: NGC1746</b>	<b>Dec: 23°46'12"</b>	<b>Const: Tau</b>
<b>R.A.: 05h03m50s</b>	<b>Magnitude: 6.1</b>	<b>Size: 42</b>
<b>Type: OCL</b>		

<b>OBSERVING SITE</b>
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<b>Location:</b>		
Latitude:	Longitude:	Elevation:

<b>SKY</b>
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Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

<b>TELESCOPE</b>
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OTA:	FL:	f/	Type:	Mount:
Slew Control:		Navigation Aid:		

<b>IMAGER</b>
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Eyepiece:	FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:	ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:

<b>OBSERVATIONS</b>
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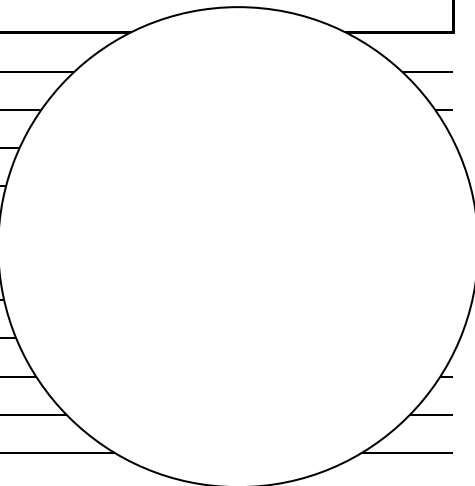
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Indicate NORTH with arrow

<b>NOTES</b>
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7x35:  
20x80:



# BINOCULAR OBJECT 0041

# Stock 23

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **Stock 23**

R.A.: **03h16m00s**

Type: **OCL**

Dec: **60°02'00"**

Magnitude: **6.2**

Const: **Cam**

Size: **15**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0042

# M33

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M33**  
 R.A.: **01h33m51s**                      Dec: **30°39'37"**                      Const: **Tri**  
 Type: **GXY**                                  Magnitude: **6.2**                      Size: **69**

### OBSERVING SITE

Location:  
 Latitude:                                  Longitude:                                  Elevation:

### SKY

Darkness/SQM:                                  Wind Speed:                                  Temperature:  
 Seeing:    Wind Dir:    Humidity:

### TELESCOPE

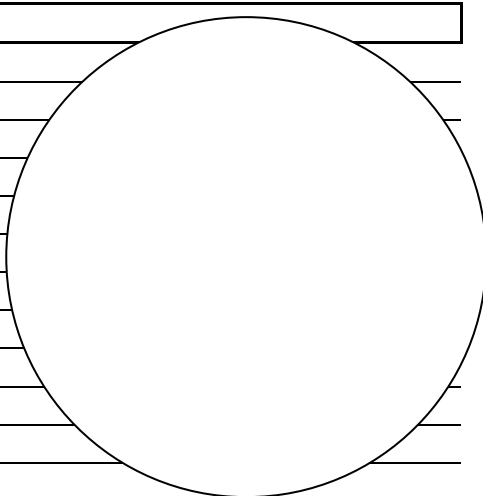
OTA:    FL:    f/    Type:    Mount:  
 Slew Control:    Navigation Aid:

### IMAGER

Eyepiece:    FOV:    Type:    Barlow:    Net Mag:  
 Camera:    Type:    ASA:    Guider:  
 Exp time:    Exp count:    Dark frame:    Bias frame:    Software:

### OBSERVATIONS

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Indicate NORTH with arrow

### NOTES

Triangulum Galaxy  
 7x35: Tougher  
 20x80: Tougher



BINOCULAR OBJECT 0043  
**NGC6940**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC6940**  
R.A.: **20h34m26s**  
Type: **OCL**

Dec: **28°17'00"**  
Magnitude: **6.3**

Const: **Vul**  
Size: **31**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

**TELESCOPE**

OTA:  
Slew Control:

FL: *f/*  
Navigation Aid:

Type:      Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

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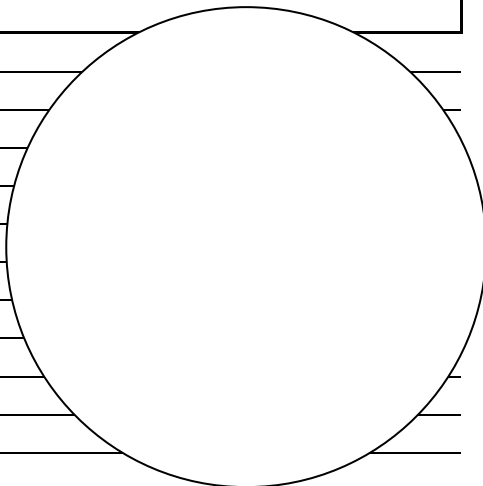
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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



BINOCULAR OBJECT 0044

NGC457

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: NGC457

R.A.: 01h19m35s

Dec: 58°17'12"

Const: Cas

Type: OCL

Magnitude: 6.4

Size: 13

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

NOTES

7x35:

20x80:



BINOCULAR OBJECT 0045  
**NGC1662**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC1662**

R.A.: **04h48m27s**

Type: **OCL**

Dec: **10°56'12"**

Magnitude: **6.4**

Const: **Ori**

Size: **20**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

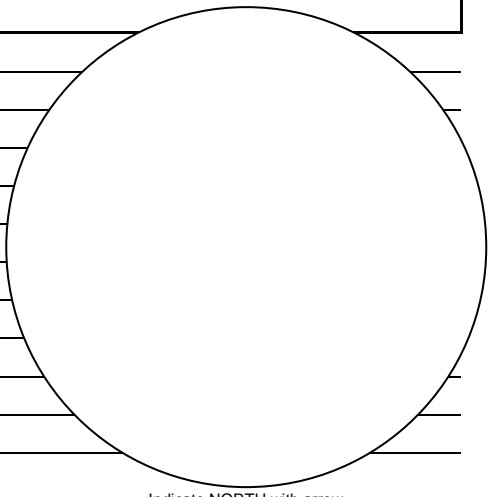
Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0046

# NGC7243

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC7243**

R.A.: **22h15m08s**

Type: **OCL**

Dec: **49°53'54"**

Magnitude: **6.4**

Const: **Lac**

Size: **21**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

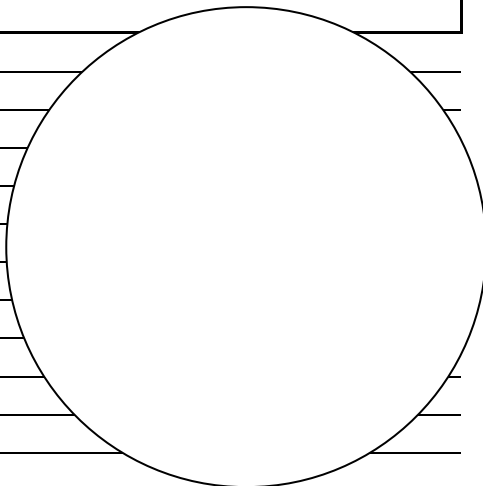
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0047

# NGC1528

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC1528**

R.A.: **04h15m23s**

Type: **OCL**

Dec: **51°12'54"**

Magnitude: **6.4**

Const: **Per**

Size: **23**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0048

# NGC1647

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC1647**

R.A.: **04h45m55s**

Type: **OCL**

Dec: **19°06'54"**

Magnitude: **6.4**

Const: **Tau**

Size: **45**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

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Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0049

# M36

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M36**

R.A.: **05h36m18s**

Dec: **34°08'24"**

Const: **Aur**

Type: **OCL**

Magnitude: **6.5**

Size: **12**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Pinwheel Cluster

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0050  
**NGC129**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC129**

R.A.: **00h30m00s**

Type: **OCL**

Dec: **60°13'06"**

Magnitude: **6.5**

Const: **Cas**

Size: **21**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

*[Observation notes area with horizontal lines and a large circular field of view on the right]*

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0051

# Mel 15

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **Mel 15**

R.A.: **02h32m42s**

Type: **OCL**

Dec: **61°27'00"**

Magnitude: **6.5**

Const: **Cas**

Size: **21**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0052

# NGC2539

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

<b>Name: NGC2539</b>		
R.A.: <b>08h10m37s</b>	Dec: <b>-12°49'06"</b>	Const: <b>Pup</b>
Type: <b>OCL</b>	Magnitude: <b>6.5</b>	Size: <b>21</b>

### OBSERVING SITE

Location: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ Elevation: \_\_\_\_\_

### SKY

Darkness/SQM: _____	Wind Speed: _____	Temperature: _____
Seeing: _____	Wind Dir: _____	Humidity: _____

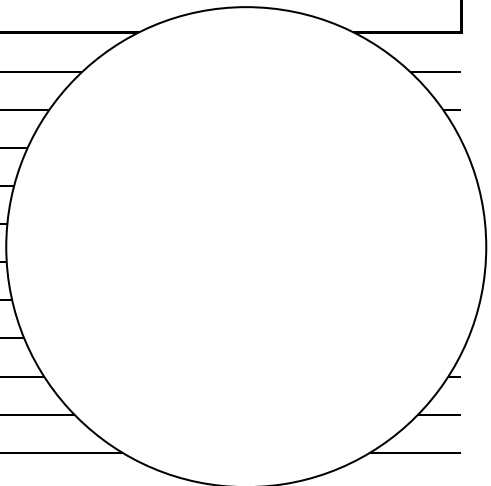
### TELESCOPE

OTA: _____	FL: _____	<i>f/</i> _____	Type: _____	Mount: _____
Slew Control: _____		Navigation Aid: _____		

### IMAGER

Eyepiece: _____	FOV: _____	Type: _____	Barlow: _____	Net Mag: _____
Camera: _____	Type: _____	ASA: _____	Guider: _____	
Exp time: _____	Exp count: _____	Dark frame: _____	Bias frame: _____	Software: _____

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: \_\_\_\_\_

20x80: \_\_\_\_\_



# BINOCULAR OBJECT 0053

## M93

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M93**

R.A.: **07h44m30s**

Type: **OCL**

Dec: **-23°51'24"**

Magnitude: **6.5**

Const: **Pup**

Size: **22**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS


Indicate NORTH with arrow

#### NOTES

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0054  
**NGC2527**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC2527**

R.A.: **08h04m58s**

Type: **OCL**

Dec: **-28°08'48"**

Magnitude: **6.5**

Const: **Pup**

Size: **22**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0055

# M22

## OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**

<b>Name: M22</b>		
R.A.: <b>18h36m24s</b>	Dec: <b>-23°54'17"</b>	Const: <b>Sgr</b>
Type: <b>GCL</b>	Magnitude: <b>6.5</b>	Size: <b>24</b>

**OBSERVING SITE**

Location:  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ Elevation: \_\_\_\_\_

**SKY**

Darkness/SQM: _____	Wind Speed: _____	Temperature: _____
Seeing: _____	Wind Dir: _____	Humidity: _____

**TELESCOPE**

OTA: _____	FL: _____	<i>f/</i> _____	Type: _____	Mount: _____
Slew Control: _____		Navigation Aid: _____		

**IMAGER**

Eyepiece: _____		FOV: _____	Type: _____	Barlow: _____	Net Mag: _____
Camera: _____	Type: _____		ASA: _____	Guider: _____	
Exp time: _____	Exp count: _____	Dark frame: _____	Bias frame: _____	Software: _____	

**OBSERVATIONS**


Indicate NORTH with arrow

**NOTES**

Sagittarius Cluster  
 7x35: Easy  
 20x80: Easy



# BINOCULAR OBJECT 0056

# M46

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M46**

R.A.: **07h41m46s**

Type: **OCL**

Dec: **-14°48'36"**

Magnitude: **6.5**

Const: **Pup**

Size: **27**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

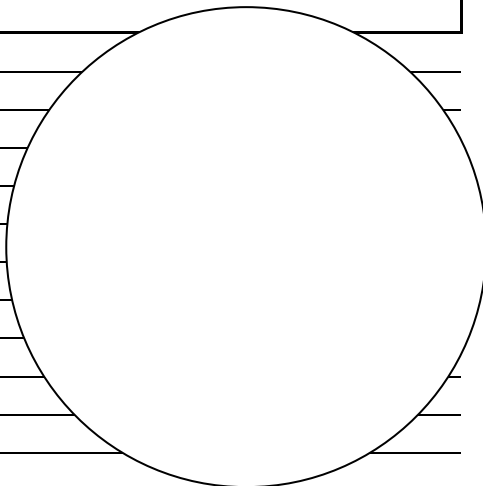
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0057

# M16

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M16**

R.A.: **18h18m48s**

Dec: **-13°48'24"**

Const: **Ser**

Type: **OCL + DNE**

Magnitude: **6.5**

Size: **35**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

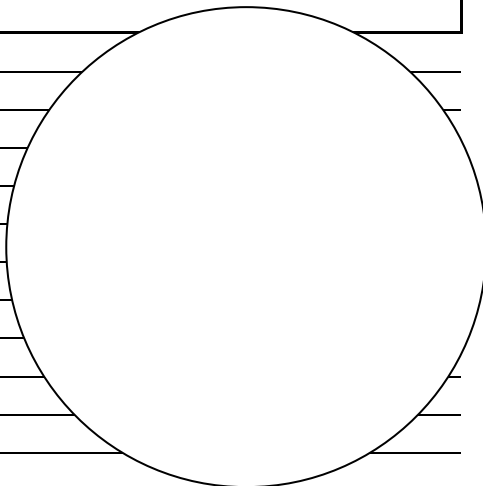
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Eagle Nebula

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0058

## M25

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M25**

R.A.: **18h31m42s**

Type: **OCL**

Dec: **-19°07'00"**

Magnitude: **6.5**

Const: **Sgr**

Size: **40**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

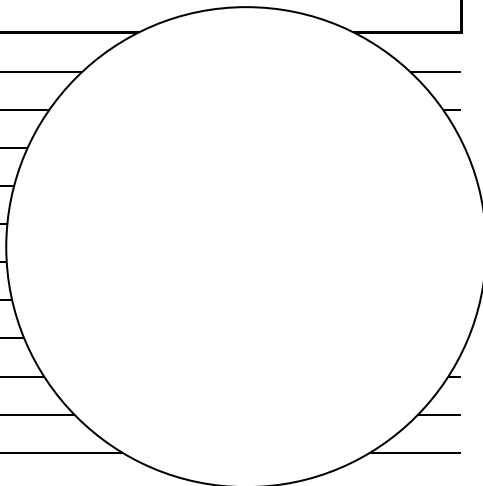
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0059

# NGC2343

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2343**

R.A.: **07h08m06s**

Type: **OCL**

Dec: **-10°37'00"**

Magnitude: **6.7**

Const: **Man**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

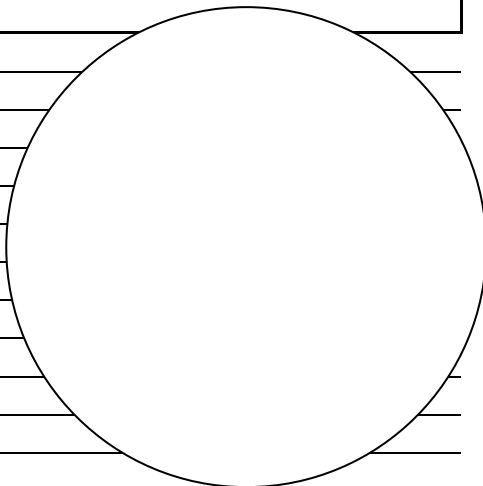
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0060 NGC6709

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

**Name: NGC6709**

R.A.: **18h51m18s**

Type: **OCL**

Dec: **10°19'06"**

Magnitude: **6.7**

Const: **Aql**

Size: **13**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

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Indicate NORTH with arrow

### NOTES

7x35:

20x80:



BINOCULAR OBJECT 0061  
**NGC1342**  
*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC1342**

R.A.: **03h31m38s**

Type: **OCL**

Dec: **37°22'36"**

Magnitude: **6.7**

Const: **Per**

Size: **14**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Horizontal lines for text entry, partially obscured by a large circular diagram.

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



BINOCULAR OBJECT 0062  
**NGC7789**  
*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: <b>NGC7789</b>		
R.A.: <b>23h57m24s</b>	Dec: <b>56°42'30"</b>	Const: <b>Cas</b>
Type: <b>OCL</b>	Magnitude: <b>6.7</b>	Size: <b>15</b>

**OBSERVING SITE**

Location:

Latitude:	Longitude:	Elevation:
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**SKY**

Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

**TELESCOPE**

OTA:	FL:	<i>f/</i>	Type:	Mount:
Slew Control:	Navigation Aid:			

**IMAGER**

Eyepiece:	FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:	ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:

**OBSERVATIONS**

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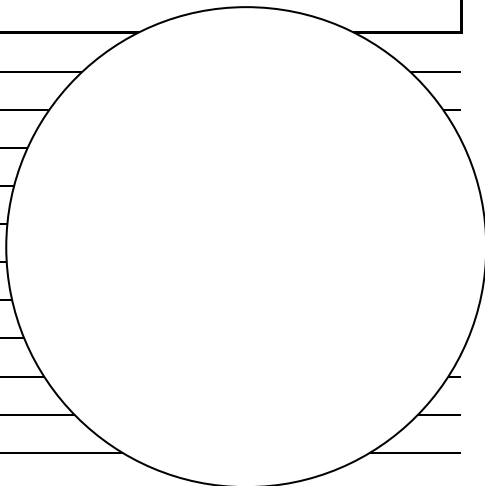
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Indicate NORTH with arrow

**NOTES**

7x35:  
20x80:





# BINOCULAR OBJECT 0064

# NGC7063

## *OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC7063**

R.A.: **21h24m21s**

Dec: **36°29'12"**

Const: **Cyg**

Type: **OCL**

Magnitude: **7.0**

Size: **7**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

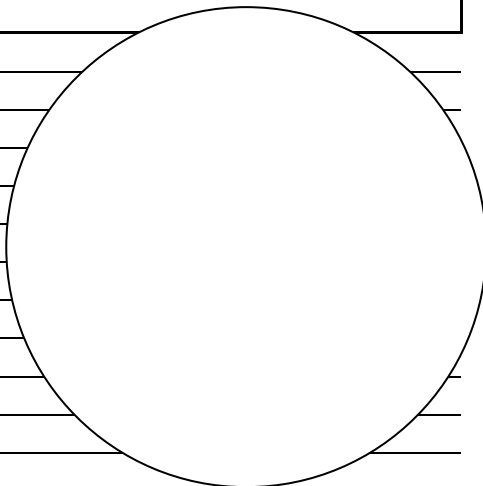
Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0065

# NGC2571

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2571**

R.A.: **08h18m56s**

Type: **OCL**

Dec: **-29°45'00"**

Magnitude: **7.0**

Const: **Pup**

Size: **13**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

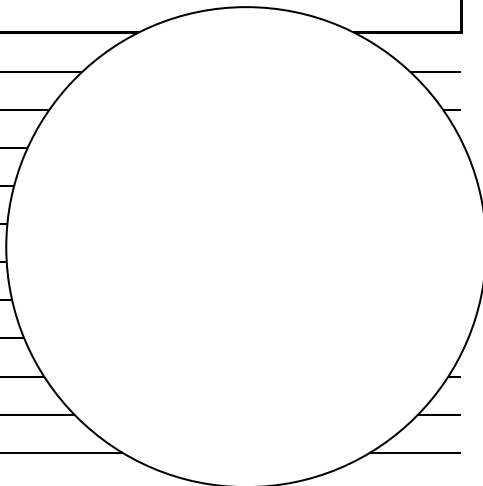
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:





# BINOCULAR OBJECT 0067

# M50

## *OBSERVATION LOG*

Observer:

Date:

Time:

### OBJECT

Name: **M50**

R.A.: **07h02m42s**

Type: **OCL**

Dec: **-08°22'60"**

Magnitude: **7**

Const: **Mon**

Size: **16**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

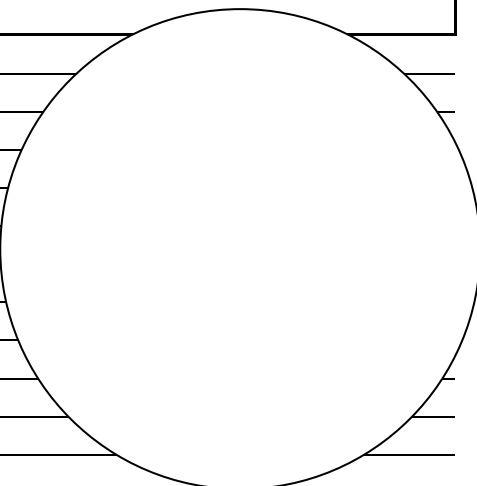
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS



Indicate NORTH with arrow

### NOTES

Heart-shaped Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0068 M3

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M3**

R.A.: **13h42m11s**

Dec: **28°22'35"**

Const: **CVn**

Type: **GCL**

Magnitude: **7**

Size: **16**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0069  
**NGC1807**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC1807**

R.A.: **05h10m42s**

Type: **OCL**

Dec: **16°31'18"**

Magnitude: **7.0**

Const: **Tau**

Size: **17**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0070

# M5

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M5**

R.A.: **15h18m33s**

Dec: **02°04'57"**

Const: **Ser**

Type: **GCL**

Magnitude: **7**

Size: **17**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

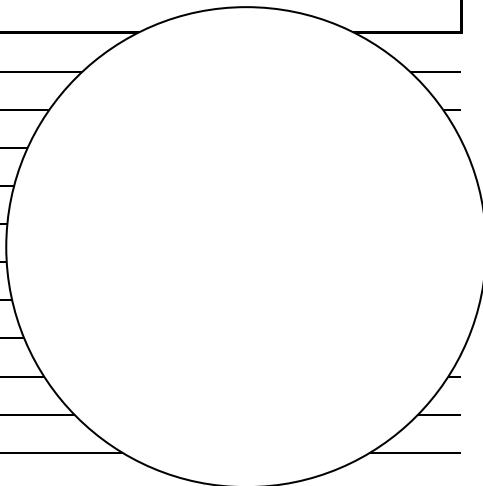
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0071

# M13

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M13**

R.A.: **16h41m41s**

Dec: **36°27'35"**

Const: **Her**

Type: **GCL**

Magnitude: **7**

Size: **17**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

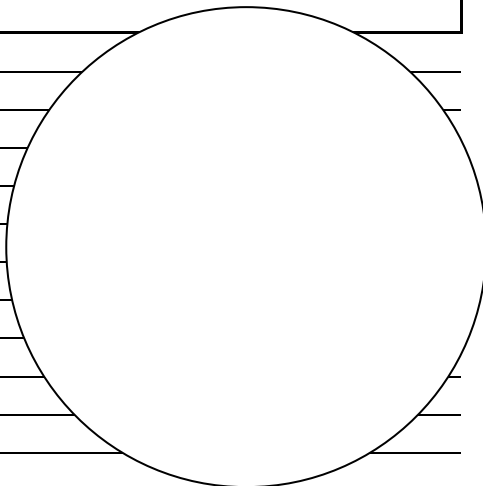
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Hercules Cluster

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0072

# NGC6809

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6809**

R.A.: **19h39m60s**

Type: **GCL**

Dec: **-30°57'44"**

Magnitude: **7**

Const: **Sgr**

Size: **19**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0073

M38

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: M38

R.A.: 05h28m40s

Dec: 35°50'54"

Const: Aur

Type: OCL

Magnitude: 7

Size: 21

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

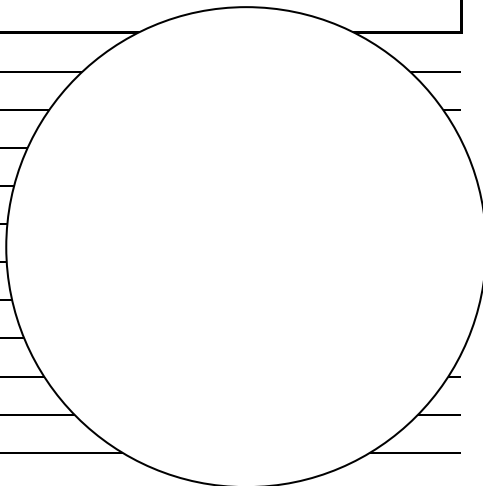
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Starfish Cluster  
 7x35: Easy  
 20x80: Easy



# BINOCULAR OBJECT 0074

## Tr 3

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **Tr 3**

R.A.: **03h11m48s**

Dec: **63°15'00"**

Const: **Cas**

Type: **OCL**

Magnitude: **7.0**

Size: **23**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right.

Indicate NORTH with arrow

#### NOTES

7x35:

20x80:



BINOCULAR OBJECT 0075

**NGC1582**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC1582**  
R.A.: **04h31m53s** Dec: **43°49'00"** Const: **Per**  
Type: **OCL** Magnitude: **7.0** Size: **37**

**OBSERVING SITE**

Location:  
Latitude: Longitude: Elevation:

**SKY**

Darkness/SQM: Wind Speed: Temperature:  
Seeing: Wind Dir: Humidity:

**TELESCOPE**

OTA: FL: *f/* Type: Mount:  
Slew Control: Navigation Aid:

**IMAGER**

Eyepiece: FOV: Type: Barlow: Net Mag:  
Camera: Type: ASA: Guider:  
Exp time: Exp count: Dark frame: Bias frame: Software:

**OBSERVATIONS**

Series of horizontal lines for observations, with a large circle on the right side.

Indicate NORTH with arrow

**NOTES**

7x35:  
20x80:



# BINOCULAR OBJECT 0076

## M17

### OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**Name: **M17**R.A.: **18h20m47s**Dec: **-16°10'18"**Const: **Sgr**Type: **OCL + DNE**Magnitude: **7**Size: **46****OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f*/*l*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Series of horizontal lines for notes, with a large circle on the right side.

Indicate NORTH with arrow

**NOTES**

Omega Nebula

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0077

Mark 6

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: Mark 6

R.A.: 02h29m36s

Dec: 60°39'00"

Const: Cas

Type: OCL

Magnitude: 7.1

Size: 5

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

NOTES

7x35:

20x80:



BINOCULAR OBJECT **0078**  
**NGC6823**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC6823**  
R.A.: **19h43m09s**  
Type: **OCL**

Dec: **23°18'00"**  
Magnitude: **7.1**

Const: **Vul**  
Size: **12**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

**TELESCOPE**

OTA:  
Slew Control:

FL: *f/*  
Navigation Aid:

Type: Mount:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

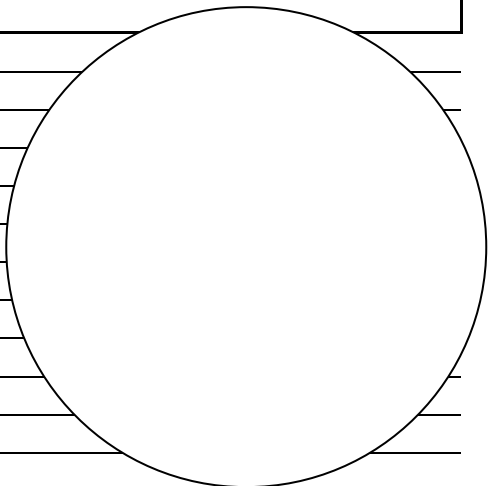
Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0079

# NGC663

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC663**

R.A.: **01h46m09s**

Type: **OCL**

Dec: **61°14'06"**

Magnitude: **7.1**

Const: **Cas**

Size: **16**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

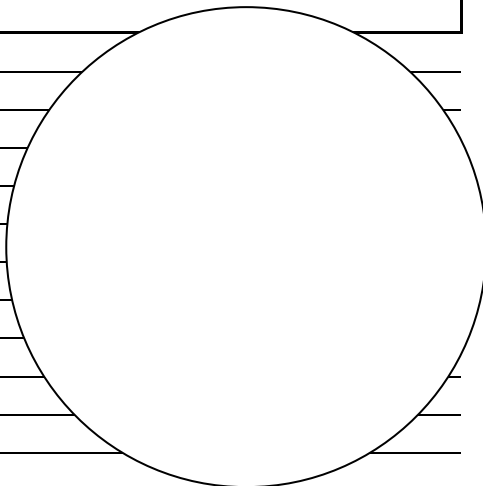
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0080

# NGC2360

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2360**

R.A.: **07h17m43s**

Type: **OCL**

Dec: **-15°38'30"**

Magnitude: **7.2**

Const: **CMa**

Size: **12**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



BINOCULAR OBJECT 0081  
**NGC6819**

OBSERVATION LOG

Observer: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

**OBJECT**

Name: **NGC6819**

R.A.: **19h41m18s**

Type: **OCL**

Dec: **40°11'12"**

Magnitude: **7.3**

Const: **Cyg**

Size: **5**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Horizontal lines for notes and a large circular diagram.

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0082

# NGC2251

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC2251**

R.A.: **06h34m38s**

Dec: **08°22'00"**

Const: **Man**

Type: **OCL**

Magnitude: **7.3**

Size: **10**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation log section with a large circular field for notes.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0083

# NGC6910

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6910**

R.A.: **20h23m12s**

Type: **OCL**

Dec: **40°46'42"**

Magnitude: **7.4**

Const: **Cyg**

Size: **7**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

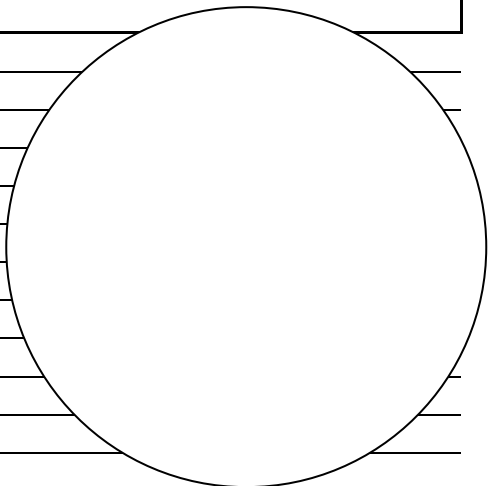
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0084

# NGC6716

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6716**

R.A.: **18h54m34s**

Type: **OCL**

Dec: **-19°54'06"**

Magnitude: **7.5**

Const: **Sgr**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

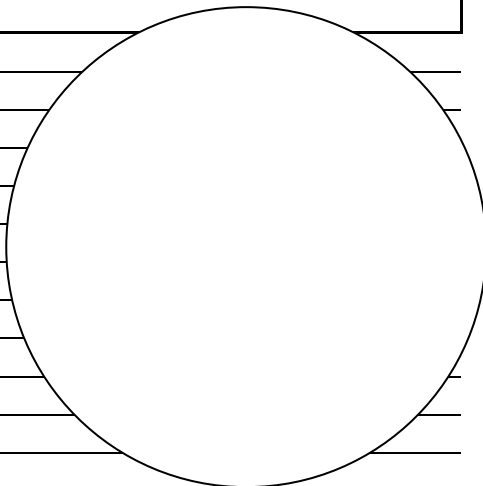
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



BINOCULAR OBJECT 0085  
**NGC1893**  
*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC1893**  
R.A.: **05h22m45s**  
Type: **OCL**

Dec: **33°24'42"**  
Magnitude: **7.5**

Const: **Aur**  
Size: **11**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

**TELESCOPE**

OTA:  
Slew Control:

FL: *f/*  
Navigation Aid:

Type:                      Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

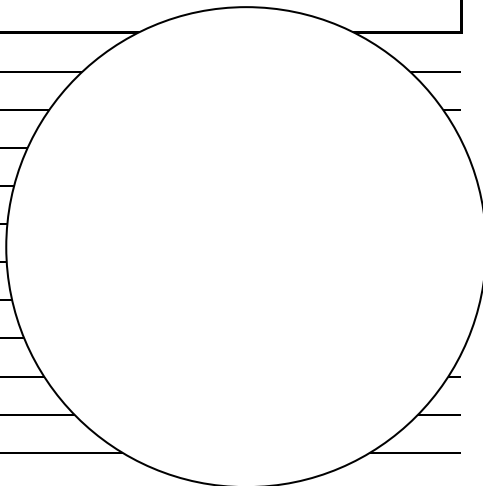
Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Indicate NORTH with arrow

**NOTES**

7x35:  
20x80:



# BINOCULAR OBJECT 0086

# M92

## OBSERVATION LOG

Observer:

Date:

Time:

OBJECT
<b>Name: M92</b> R.A.: <b>17h17m07s</b> Dec: <b>43°08'11"</b> Const: <b>Her</b> Type: <b>GCL</b> Magnitude: <b>7.5</b> Size: <b>11</b>
OBSERVING SITE
Location: Latitude:                                      Longitude:                                      Elevation:
SKY
Darkness/SQM:                                      Wind Speed:                                      Temperature: Seeing:                                      Wind Dir:                                      Humidity:
TELESCOPE
OTA:                                      FL: <i>f/</i> Type:                                      Mount: Slew Control:                                      Navigation Aid:
IMAGER
Eyepiece:                                      FOV:                                      Type:                                      Barlow:                                      Net Mag: Camera:                                      Type:                                      ASA:                                      Guider: Exp time:                                      Exp count:                                      Dark frame:                                      Bias frame:                                      Software:
OBSERVATIONS
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
 <p style="margin-left: 100px;">Indicate NORTH with arrow</p>
NOTES
7x35: Easy 20x80: Easy



# BINOCULAR OBJECT 0087

## M15

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M15**

R.A.: **21h29m58s**

Dec: **12°10'02"**

Const: **Peg**

Type: **GCL**

Magnitude: **7.5**

Size: **12**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

Slew Control:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

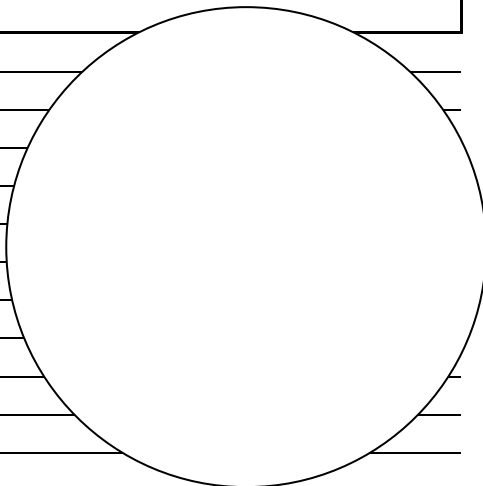
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Pegasus Cluster

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0088  
**NGC7089**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC7089**

R.A.: **21h33m27s**

Dec: **00°49'23"**

Const: **Aqr**

Type: **GCL**

Magnitude: **7.5**

Size: **13**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

**NOTES**

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0089

# M10

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M10**

R.A.: **16h57m09s**

Dec: **-04°05'56"**

Const: **Oph**

Type: **GCL**

Magnitude: **7.5**

Size: **15**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0090

# M27

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M27**

R.A.: **19h59m36s**

Dec: **22°43'15"**

Const: **Vul**

Type: **PNE**

Magnitude: **7.5**

Size: **15**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Dumbbell Nebula

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0091

## M4

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M4**

R.A.: **16h23m35s**

Dec: **-26°31'35"**

Const: **Sco**

Type: **GCL**

Magnitude: **7.5**

Size: **26**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

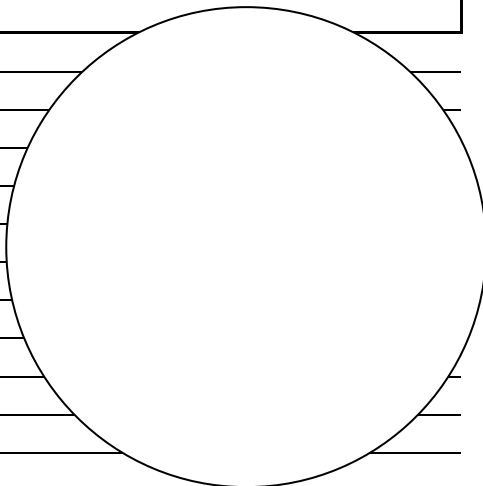
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Cat's Eye

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0092  
**M67**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **M67**

R.A.: **08h51m18s**

Dec: **11°48'00"**

Const: **Cnc**

Type: **OCL**

Magnitude: **7.5**

Size: **30**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

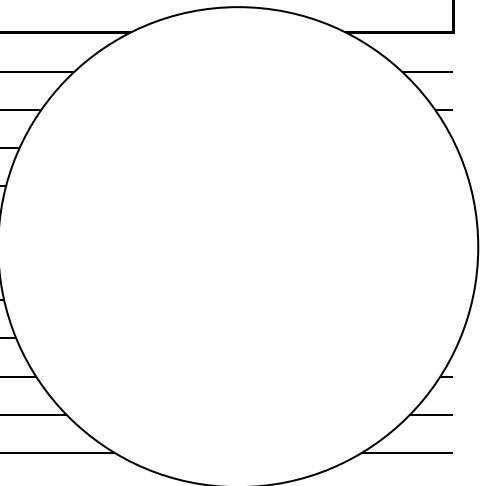
Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Indicate NORTH with arrow

**NOTES**

King Cobra

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0093  
**NGC6520**  
*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC6520**

R.A.: **18h03m24s**

Type: **OCL**

Dec: **-27°53'18"**

Magnitude: **7.6**

Const: **Sgr**

Size: **6**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Observation log section with horizontal lines and a large circular field for sketches or drawings.

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



BINOCULAR OBJECT 0094  
**NGC7235**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC7235**

R.A.: **22h12m25s**

Type: **OCL**

Dec: **57°16'16"**

Magnitude: **7.7**

Const: **Cep**

Size: **4**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

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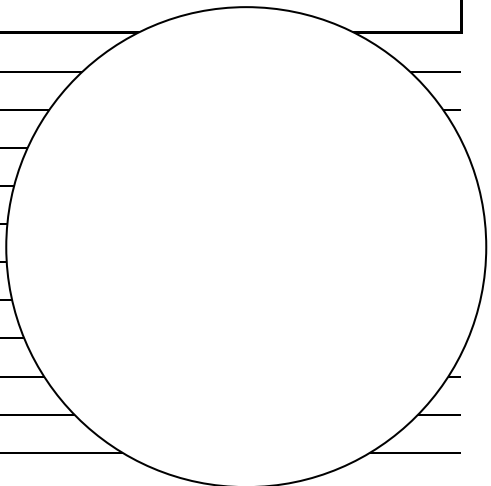
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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0095

# NGC1817

## OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**

<b>Name: NGC1817</b>		
R.A.: <b>05h12m15s</b>	Dec: <b>16°41'24"</b>	Const: <b>Tau</b>
Type: <b>OCL</b>	Magnitude: <b>7.7</b>	Size: <b>15</b>

**OBSERVING SITE**

Location:  
 Latitude: Longitude: Elevation:

**SKY**

Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

**TELESCOPE**

OTA:	FL:	f/	Type:	Mount:
Slew Control:	Navigation Aid:			

**IMAGER**

Eyepiece:	FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:	ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:

**OBSERVATIONS**

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Indicate NORTH with arrow

**NOTES**

7x35:  
 20x80:



# BINOCULAR OBJECT 0096

# NGC7209

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC7209**

R.A.: **22h05m07s**

Type: **OCL**

Dec: **46°29'00"**

Magnitude: **7.7**

Const: **Lac**

Size: **25**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

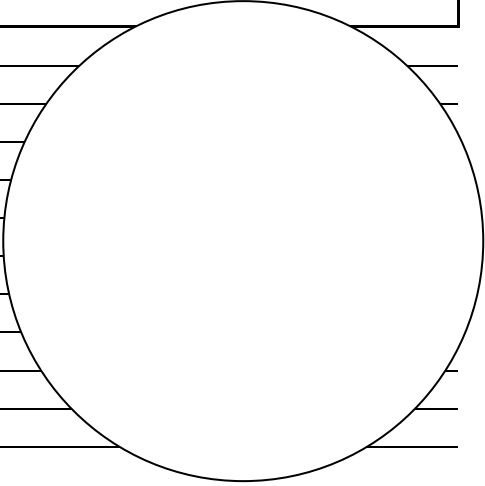
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0097

# M81

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M81**

R.A.: **09h55m33s**

Dec: **69°03'56"**

Const: **UMa**

Type: **GXY**

Magnitude: **7.8**

Size: **25**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

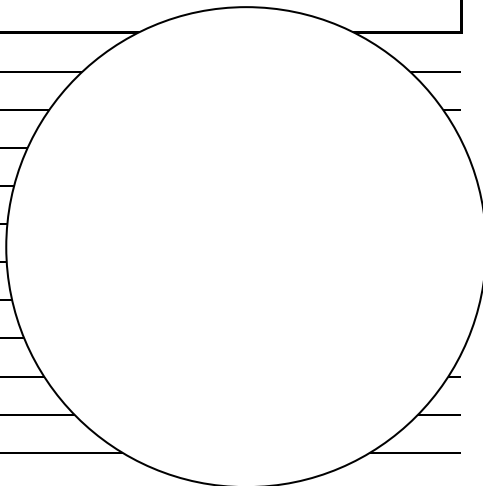
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Bode's Galaxy

7x35: Tougher

20x80: Easy



# BINOCULAR OBJECT 0098

# M78

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M78**

R.A.: **05h46m45s**

Dec: **00°04'48"**

Const: **Ori**

Type: **DNE**

Magnitude: **8**

Size: **8**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

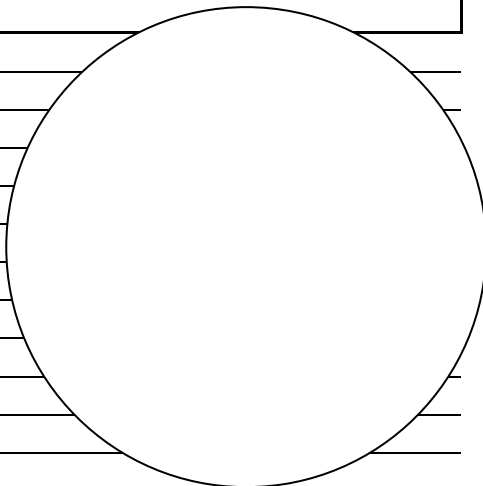
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Tougher

20x80: Easy



BINOCULAR OBJECT 0099

**M18**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **M18**

R.A.: **18h19m58s**

Dec: **-17°06'07"**

Const: **Sgr**

Type: **OCL**

Magnitude: **8**

Size: **9**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

**TELESCOPE**

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

**IMAGER**

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

**OBSERVATIONS**

Observation grid consisting of horizontal lines and a large circle on the right side.

Indicate NORTH with arrow

**NOTES**

Black Swan

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0100

## M83

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M83**

R.A.: **13h37m00s**

Dec: **-29°51'51"**

Const: **Hya**

Type: **GXY**

Magnitude: **8**

Size: **13**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

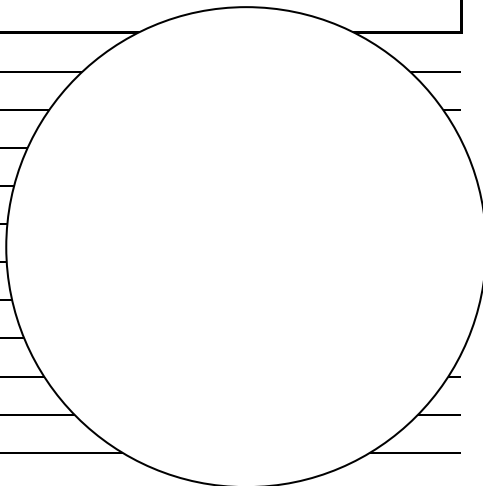
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Southern Pinwheel

7x35: Tougher

20x80: Tougher



# BINOCULAR OBJECT 0101

# The Scorpion

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **The Scorpion**

R.A.: **23h24m48s**

Dec: **61°35'36"**

Const: **Cas**

Type: **OCL**

Magnitude: **8**

Size: **13**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0102

# M62

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M62**

R.A.: **17h01m13s**

Type: **GCL**

Dec: **-30°06'45"**

Magnitude: **8**

Const: **Oph**

Size: **14**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Flickering Globular

7x35: Tougher

20x80: Easy



# BINOCULAR OBJECT 0103

# M12

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M12**

R.A.: **16h47m14s**

Type: **GCL**

Dec: **-01°56'52"**

Magnitude: **8**

Const: **Oph**

Size: **15**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

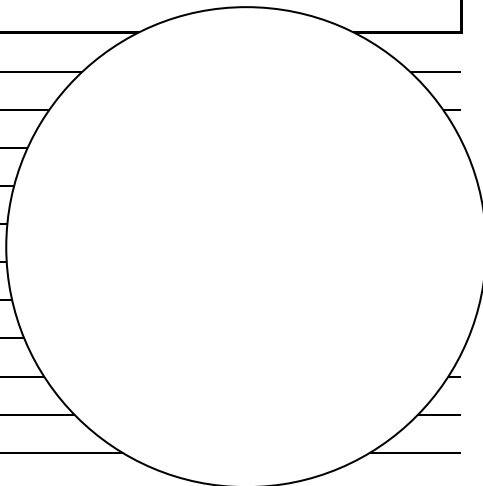
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Gumball Globular

7x35: Easy

20x80: Easy



BINOCULAR OBJECT 0104  
**NGC253**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC253**

R.A.: **00h47m33s**

Type: **GXY**

Dec: **-25°17'18"**

Magnitude: **8.0**

Const: **Scl**

Size: **25**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

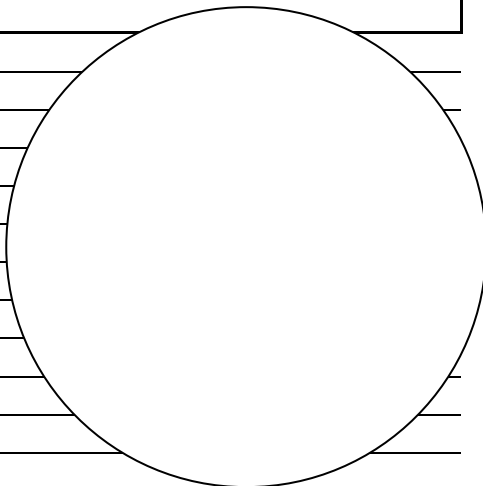
Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



# BINOCULAR OBJECT 0105

# NGC1907

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC1907**

R.A.: **05h26m05s**

Dec: **35°19'30"**

Const: **Aur**

Type: **OCL**

Magnitude: **8.2**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right.

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0106

## M101

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M101**

R.A.: **14h03m13s**

Type: **GXY**

Dec: **54°20'56"**

Magnitude: **8.2**

Const: **UMa**

Size: **29**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

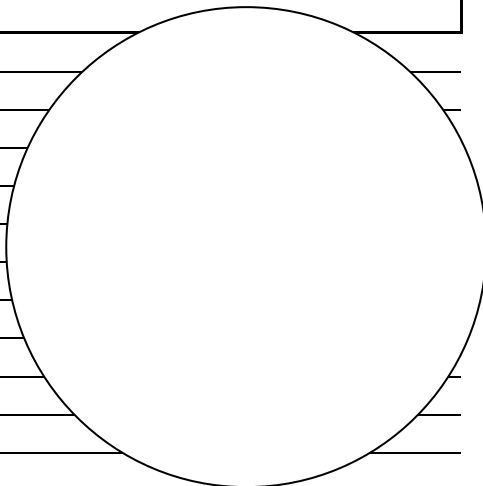
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Pinwheel Galaxy

7x35: Challenge

20x80: Tougher





# BINOCULAR OBJECT 0108

# NGC2403

## OBSERVATION LOG

Observer:

Date:

Time:

**OBJECT**

Name: **NGC2403**

R.A.: **07h36m51s**

Type: **GXY**

Dec: **65°36'07"**

Magnitude: **8.4**

Const: **Cam**

Size: **18**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

**TELESCOPE**

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

**IMAGER**

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

**OBSERVATIONS**

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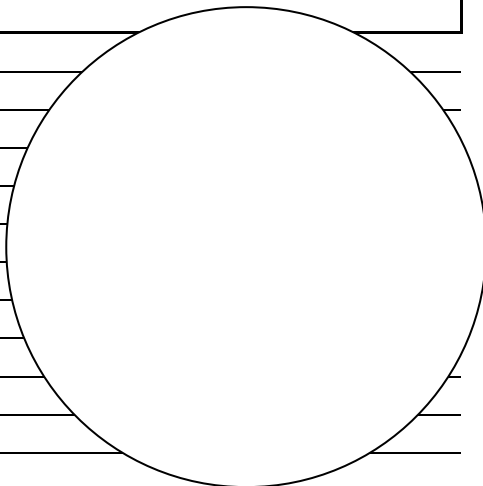
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Indicate NORTH with arrow

**NOTES**

7x35:

20x80:



BINOCULAR OBJECT 0109

**NGC6838**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

<b>Name: NGC6838</b>		
R.A.: <b>19h53m46s</b>	Dec: <b>18°46'42"</b>	Const: <b>Sge</b>
Type: <b>GCL</b>	Magnitude: <b>8.5</b>	Size: <b>7</b>

**OBSERVING SITE**

Location:

Latitude:	Longitude:	Elevation:
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**SKY**

Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

**TELESCOPE**

OTA:	FL:	<i>f/</i>	Type:	Mount:
Slew Control:		Navigation Aid:		

**IMAGER**

Eyepiece:		FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:		ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:	

**OBSERVATIONS**

_____	Indicate NORTH with arrow
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**NOTES**

7x35: Challenge  
20x80: Easy





# BINOCULAR OBJECT 0111

# M80

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M80**  
 R.A.: **16h17m03s**      Dec: **-22°58'32"**      Const: **Sco**  
 Type: **GCL**      Magnitude: **8.5**      Size: **9**

### OBSERVING SITE

Location:  
 Latitude:      Longitude:      Elevation:

### SKY

Darkness/SQM:      Wind Speed:      Temperature:  
 Seeing:      Wind Dir:      Humidity:

### TELESCOPE

OTA:      FL:      *f/*      Type:      Mount:  
 Slew Control:      Navigation Aid:

### IMAGER

Eyepiece:      FOV:      Type:      Barlow:      Net Mag:  
 Camera:      Type:      ASA:      Guider:  
 Exp time:      Exp count:      Dark frame:      Bias frame:      Software:

### OBSERVATIONS

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Indicate NORTH with arrow

### NOTES

7x35: Tougher  
 20x80: Easy



# BINOCULAR OBJECT 0112

# NGC6715

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6715**

R.A.: **18h55m03s**

Type: **GCL**

Dec: **-30°28'47"**

Magnitude: **8.5**

Const: **Sgr**

Size: **9**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Challenge

20x80: Tougher



# BINOCULAR OBJECT 0113

# M28

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M28**

R.A.: **18h24m33s**

Dec: **-24°52'07"**

Const: **Sgr**

Type: **GCL**

Magnitude: **8.5**

Size: **11**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

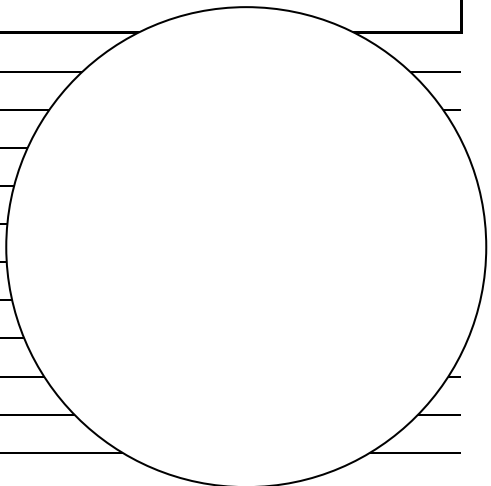
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Tougher

20x80: Easy





# BINOCULAR OBJECT 0115 **M53**

## *OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

<b>Name: M53</b>		
R.A.: <b>13h12m55s</b>	Dec: <b>18°10'07"</b>	Const: <b>Com</b>
Type: <b>GCL</b>	Magnitude: <b>8.5</b>	Size: <b>13</b>

**OBSERVING SITE**

Location:  
 Latitude:    Longitude:    Elevation:

**SKY**

Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

**TELESCOPE**

OTA:	FL:	<i>f/</i>	Type:	Mount:
Slew Control:		Navigation Aid:		

**IMAGER**

Eyepiece:		FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:		ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:	

**OBSERVATIONS**

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Indicate NORTH with arrow

**NOTES**

7x35: Tougher  
 20x80: Easy



# BINOCULAR OBJECT 0116

# M19

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M19**

R.A.: **17h02m38s**

Type: **GCL**

Dec: **-26°16'04"**

Magnitude: **8.5**

Const: **Oph**

Size: **14**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Tougher

20x80: Easy





# BINOCULAR OBJECT 0118

# NGC6934

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6934**

R.A.: **20h34m11s**

Dec: **07°24'17"**

Const: **Del**

Type: **GIC1**

Magnitude: **8.7**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

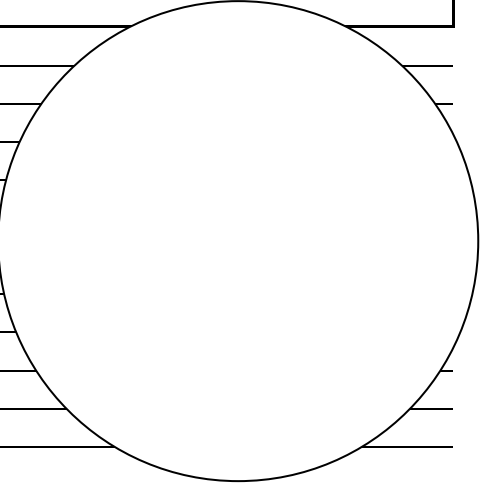
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35:

20x80:



# BINOCULAR OBJECT 0119

# M51

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M51**

R.A.: **13h29m52s**

Dec: **47°11'45"**

Const: **CVn**

Type: **GXY**

Magnitude: **8.9**

Size: **11**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Observation notes area with a large circular field of view on the right side.

Indicate NORTH with arrow

### NOTES

Whirlpool Galaxy

7x35: Challenge

20x80: Tougher



# BINOCULAR OBJECT 0120

# M94

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M94**

R.A.: **12h50m53s**

Type: **GXY**

Dec: **41°07'12"**

Magnitude: **8.9**

Const: **CVn**

Size: **12**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

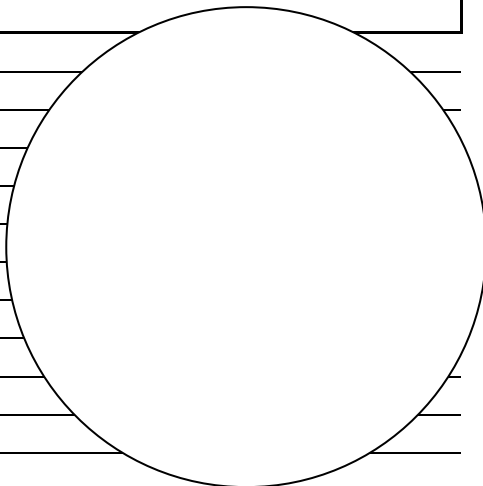
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Croc's Eye Galaxy

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0121

# M110

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M110**

R.A.: **00h40m22s**

Type: **GXY**

Dec: **41°41'07"**

Magnitude: **8.9**

Const: **And**

Size: **20**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

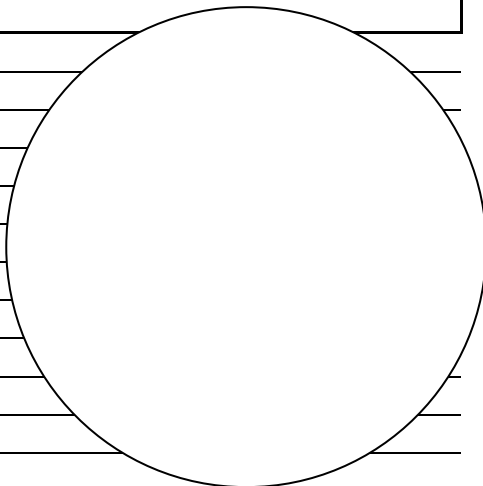
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Satellite Of M31

7x35: Not Viewable

20x80: Challenge



# BINOCULAR OBJECT 0122

# M69

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M69**

R.A.: **18h31m23s**

Type: **GCL**

Dec: **-32°20'51"**

Magnitude: **9**

Const: **Sgr**

Size: **7**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

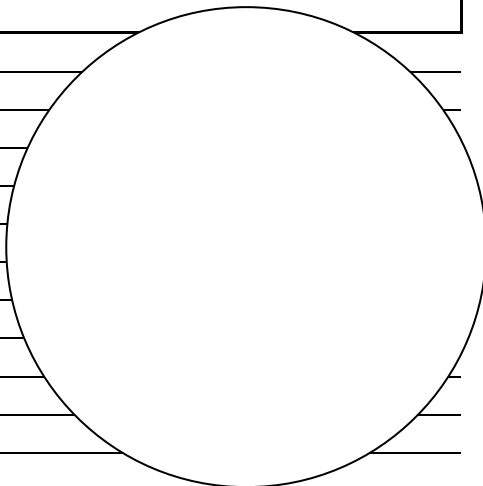
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Not Viewable

20x80: Challenge



# BINOCULAR OBJECT 0123

# M29

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M29**

R.A.: **20h23m57s**

Dec: **38°30'30"**

Const: **Cyg**

Type: **OCL**

Magnitude: **9**

Size: **7**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

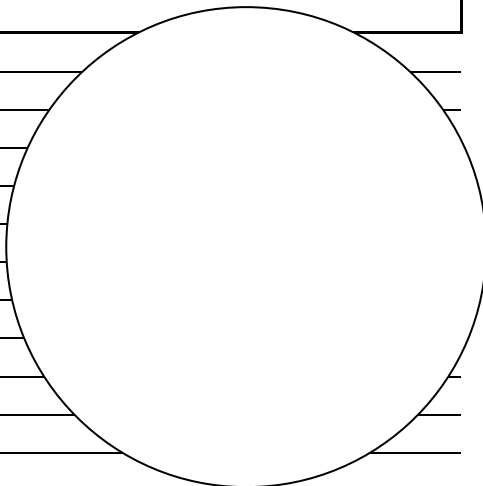
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Cooling Tower

7x35: Easy

20x80: Easy



# BINOCULAR OBJECT 0124

# NGC6681

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6681**  
R.A.: **18h43m12s**  
Type: **GCL**

Dec: **-32°17'27"**  
Magnitude: **9**

Const: **Sgr**  
Size: **8**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

### TELESCOPE

OTA:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

Slew Control:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

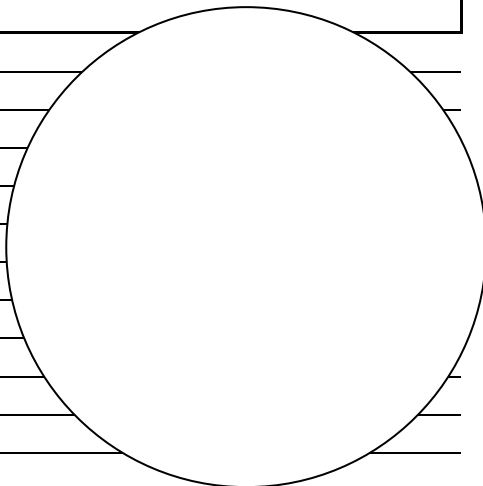
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Not Viewable  
20x80: Challenge



BINOCULAR OBJECT 0125  
**NGC6333**

*OBSERVATION LOG*

Observer:

Date:

Time:

**OBJECT**

Name: **NGC6333**  
R.A.: **17h19m12s**  
Type: **GCL**

Dec: **-18°30'58"**  
Magnitude: **9**

Const: **Oph**  
Size: **9**

**OBSERVING SITE**

Location:

Latitude:

Longitude:

Elevation:

**SKY**

Darkness/SQM:  
Seeing:

Wind Speed:  
Wind Dir:

Temperature:  
Humidity:

**TELESCOPE**

OTA:  
Slew Control:

FL: *f/*  
Navigation Aid:

Type: Mount:

**IMAGER**

Eyepiece: FOV: Type: Barlow: Net Mag:  
Camera: Type: ASA: Guider:  
Exp time: Exp count: Dark frame: Bias frame: Software:

**OBSERVATIONS**

Observation log grid with a large circular field of view on the right side.

Indicate NORTH with arrow

**NOTES**

7x35: Challenge  
20x80: Tougher





# BINOCULAR OBJECT 0127 M32

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M32**

R.A.: **00h42m42s**

Dec: **40°51'54"**

Const: **And**

Type: **GXY**

Magnitude: **9.1**

Size: **9**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

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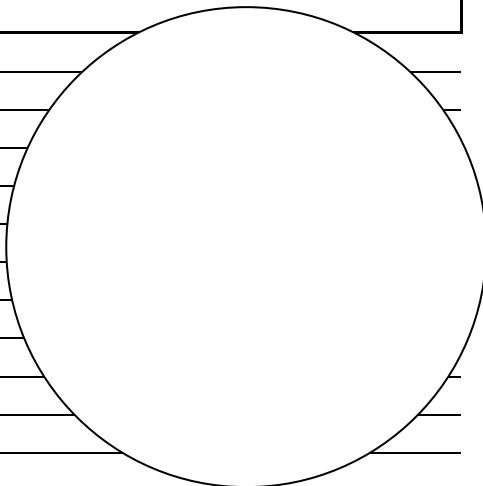
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Indicate NORTH with arrow

### NOTES

Satellite Of M31

7x35: Challenge

20x80: Easy



# BINOCULAR OBJECT 0128

# M106

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M106**

R.A.: **12h18m58s**

Type: **GXY**

Dec: **47°18'16"**

Magnitude: **9.1**

Const: **CVn**

Size: **17**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram for field of view.

Indicate NORTH with arrow

### NOTES

7x35: Challenge

20x80: Tougher





# BINOCULAR OBJECT 0130

# M82

## *OBSERVATION LOG*

Observer:

Date:

Time:

### OBJECT

**Name: M82**  
 R.A.: **09h55m53s**                      Dec: **69°40'50"**                      Const: **UMa**  
 Type: **GXY**                                  Magnitude: **9.2**                      Size: **11**

### OBSERVING SITE

Location:  
 Latitude:                                  Longitude:                                  Elevation:

### SKY

Darkness/SQM:                              Wind Speed:                              Temperature:  
 Seeing:                                      Wind Dir:                                  Humidity:

### TELESCOPE

OTA:                                      FL:                                      f/                                      Type:                                      Mount:  
 Slew Control:                              Navigation Aid:

### IMAGER

Eyepiece:                                  FOV:                                  Type:                                  Barlow:                                  Net Mag:  
 Camera:                                  Type:                                  ASA:                                  Guider:  
 Exp time:                                  Exp count:                                  Dark frame:                                  Bias frame:                                  Software:

### OBSERVATIONS

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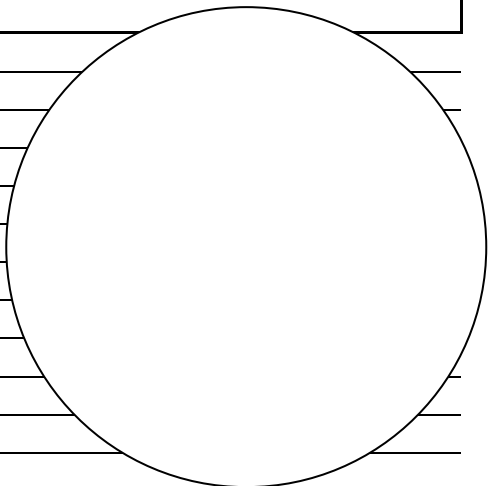
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Indicate NORTH with arrow

### NOTES

Cigar Galaxy  
 7x35: Tougher  
 20x80: Easy



# BINOCULAR OBJECT 0131

## M49

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M49**

R.A.: **12h29m47s**

Dec: **08°00'01"**

Const: **Vir**

Type: **GXY**

Magnitude: **9.3**

Size: **10**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

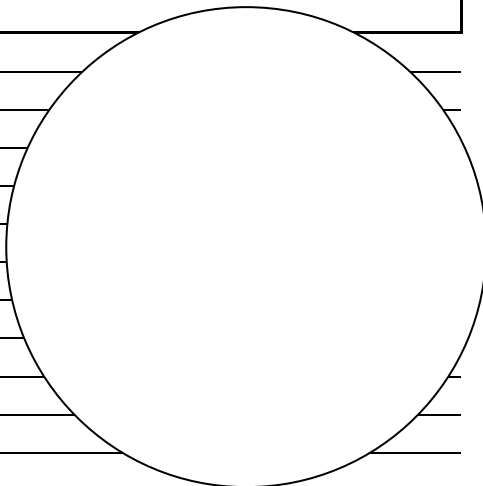
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

7x35: Tougher

20x80: Tougher



# BINOCULAR OBJECT 0132

# M64

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M64**

R.A.: **12h56m44s**

Type: **GXY**

Dec: **21°40'58"**

Magnitude: **9.3**

Const: **Com**

Size: **10**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

Black Eye Galaxy

7x35: Tougher

20x80: Tougher



**BINOCULAR OBJECT 0133**  
**M63**

***OBSERVATION LOG***

Observer:

Date:

Time:

**OBJECT**

<b>Name: M63</b>		
R.A.: <b>13h15m49s</b>	Dec: <b>42°01'46"</b>	Const: <b>CVn</b>
Type: <b>GXY</b>	Magnitude: <b>9.3</b>	Size: <b>13</b>

**OBSERVING SITE**

Location:  
Latitude:                                      Longitude:                                      Elevation:

**SKY**

Darkness/SQM:	Wind Speed:	Temperature:
Seeing:	Wind Dir:	Humidity:

**TELESCOPE**

OTA:	FL:	<i>f/</i>	Type:	Mount:
Slew Control:		Navigation Aid:		

**IMAGER**

Eyepiece:		FOV:	Type:	Barlow:	Net Mag:
Camera:	Type:		ASA:	Guider:	
Exp time:	Exp count:	Dark frame:	Bias frame:	Software:	

**OBSERVATIONS**

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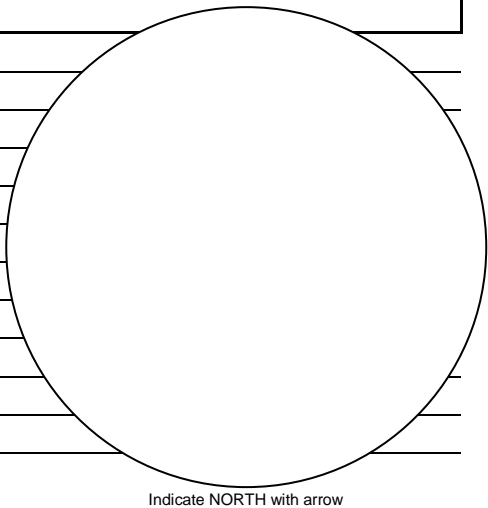
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Indicate NORTH with arrow

**NOTES**

Sunflower Galaxy  
7x35: Tougher  
20x80: Tougher



# BINOCULAR OBJECT 0134 NGC6864

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6864**

R.A.: **20h06m05s**

Type: **GCL**

Dec: **-21°55'19"**

Magnitude: **9.5**

Const: **Sgr**

Size: **6**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f*/  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular field of view diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Challenge

20x80: Tougher





# BINOCULAR OBJECT 0136

# M14

## *OBSERVATION LOG*

Observer:

Date:

Time:

### OBJECT

**Name: M14**  
 R.A.: **17h37m36s**                      Dec: **-03°14'43"**                      Const: **Oph**  
 Type: **GCL**                                  Magnitude: **9.5**                      Size: **12**

### OBSERVING SITE

Location:  
 Latitude:                                  Longitude:                                  Elevation:

### SKY

Darkness/SQM:                                  Wind Speed:                                  Temperature:  
 Seeing:    Wind Dir:    Humidity:

### TELESCOPE

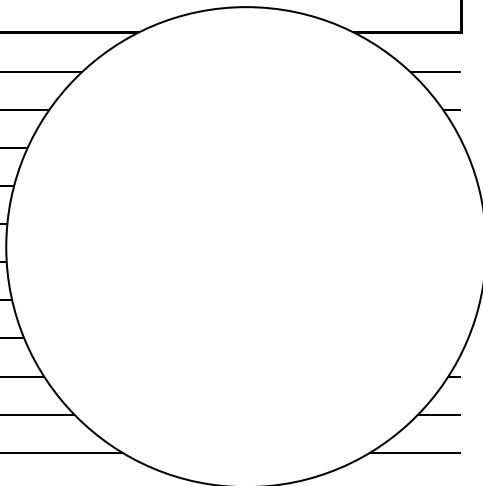
OTA:    FL:    *f/*    Type:    Mount:  
 Slew Control:    Navigation Aid:

### IMAGER

Eyepiece:    FOV:    Type:    Barlow:    Net Mag:  
 Camera:    Type:    ASA:    Guider:  
 Exp time:    Exp count:    Dark frame:    Bias frame:    Software:

### OBSERVATIONS

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Indicate NORTH with arrow

### NOTES

7x35: Tougher  
 20x80: Easy



# BINOCULAR OBJECT 0137

# NGC6694

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **NGC6694**

R.A.: **18h45m18s**

Type: **OCL**

Dec: **-09°22'60"**

Magnitude: **9.5**

Const: **Sct**

Size: **15**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Observation notes area with a large circular diagram on the right side.

Indicate NORTH with arrow

### NOTES

7x35: Challenge

20x80: Easy



# BINOCULAR OBJECT 0138 M87

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M87**

R.A.: **12h30m49s**

Dec: **12°23'27"**

Const: **Vir**

Type: **GXY**

Magnitude: **9.6**

Size: **9**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

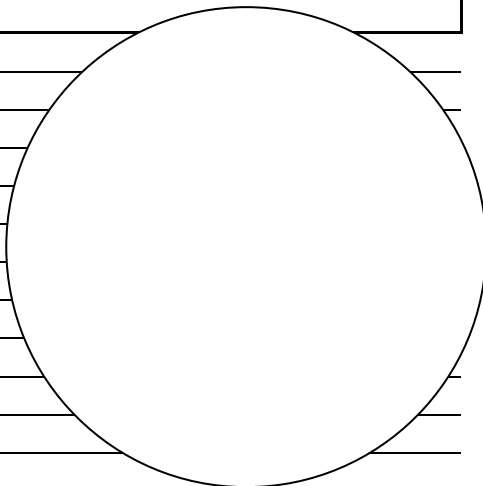
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Smoking Gun  
7x35: Not Viewable  
20x80: Tougher



# BINOCULAR OBJECT 0139

## M77

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M77**

R.A.: **02h42m41s**

Dec: **00°00'48"**

Const: **Cet**

Type: **GXY**

Magnitude: **9.7**

Size: **7**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

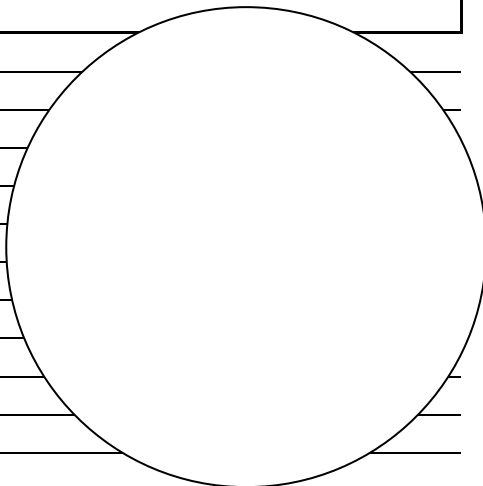
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Cetus A

7x35: Not Viewable

20x80: Tougher



# BINOCULAR OBJECT 0140

# M66

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M66**

R.A.: **11h20m15s**

Dec: **12°59'26"**

Const: **Leo**

Type: **GXY**

Magnitude: **9.7**

Size: **9**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

Leo Triplet

7x35: Challenge

20x80: Tougher



# BINOCULAR OBJECT 0141 M60

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M60**

R.A.: **12h43m40s**

Type: **GXY**

Dec: **11°33'08"**

Magnitude: **9.8**

Const: **Vir**

Size: **8**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

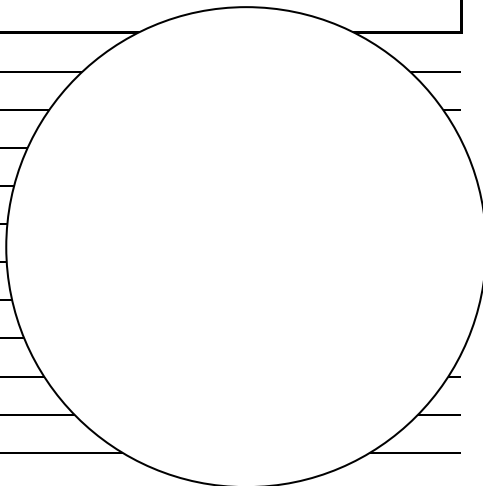
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Not Viewable

20x80: Challenge









# BINOCULAR OBJECT 0145 M107

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M107**

R.A.: **16h32m32s**

Dec: **-13°03'11"**

Const: **Oph**

Type: **GCL**

Magnitude: **10**

Size: **10**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

### TELESCOPE

OTA:

FL:

*f*/

Type:

Mount:

Slew Control:

Navigation Aid:

### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

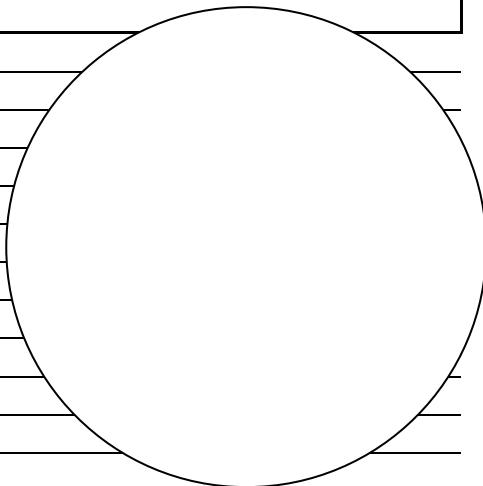
Exp count:

Dark frame:

Bias frame:

Software:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Not Viewable

20x80: Challenge



# BINOCULAR OBJECT 0146

## M61

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M61**

R.A.: **12h21m55s**

Dec: **04°28'23"**

Const: **Vir**

Type: **GXY**

Magnitude: **10.1**

Size: **7**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

#### TELESCOPE

OTA:

FL:

*f/*

Type:

Mount:

Slew Control:

Navigation Aid:

#### IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

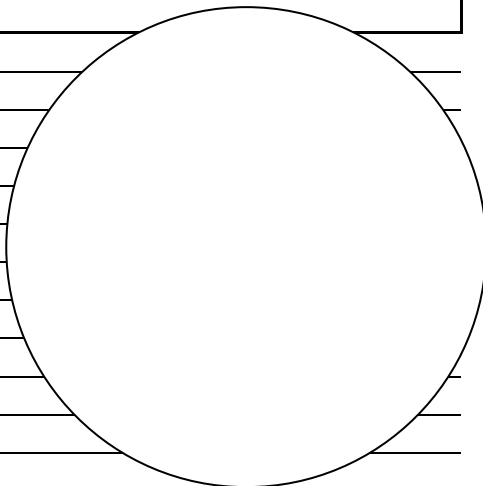
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Swelling Spiral

7x35: Not Viewable

20x80: Challenge





# BINOCULAR OBJECT 0148

# M100

## OBSERVATION LOG

Observer:

Date:

Time:

### OBJECT

Name: **M100**

R.A.: **12h22m55s**

Type: **GXY**

Dec: **15°49'21"**

Magnitude: **10.1**

Const: **Com**

Size: **8**

### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

### TELESCOPE

OTA:

Slew Control:

FL:

*f/*  
Navigation Aid:

Type:

Mount:

### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

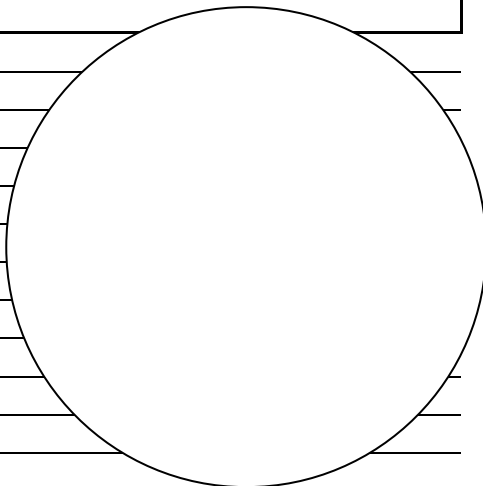
Barlow:

Guider:

Software:

Net Mag:

### OBSERVATIONS

Indicate NORTH with arrow

### NOTES

7x35: Not Viewable

20x80: Challenge













# BINOCULAR OBJECT 0154

## M58

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M58**

R.A.: **12h37m44s**

Type: **GXY**

Dec: **11°49'06"**

Magnitude: **10.4**

Const: **Vir**

Size: **6**

#### OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

#### SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

#### TELESCOPE

OTA:

Slew Control:

FL:

*f/*

Navigation Aid:

Type:

Mount:

#### IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

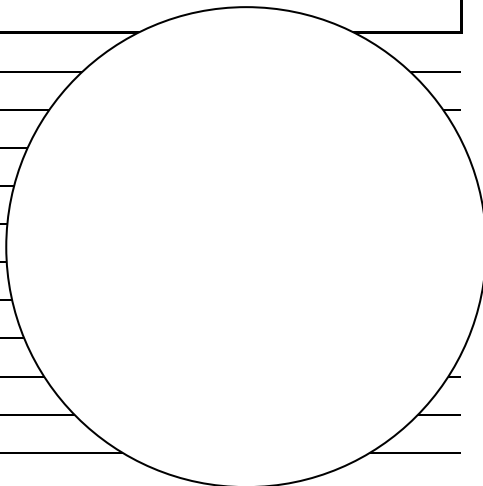
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

7x35: Not Viewable

20x80: Challenge

















