



# MESSIER OBJECTS OF SUMMER 0002

## M4, Cat's Eye

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M4, Cat's Eye**

R.A.: **16h 23m 35s**

Type: **GCL**

Dec: **-26° 31' 35"**

Magnitude: **7.5**

Const: **Sco**

Size: **26.3**

#### 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:

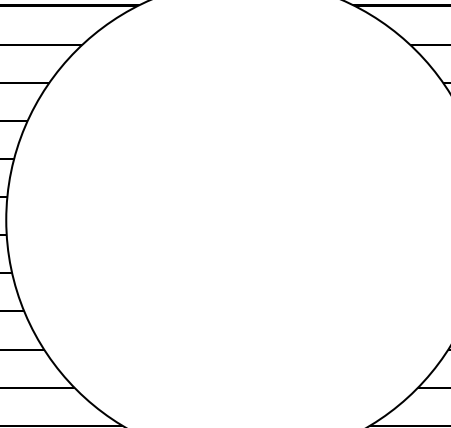
Barlow:

Guider:

Software:

Net Mag:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX



# MESSIER OBJECTS OF SUMMER 0003

## M107, NGC6171

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M107, NGC6171**

R.A.: **16h 32m 32s**

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:

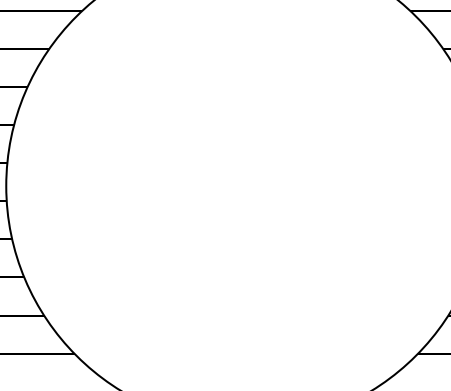
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0004

## M13, Hercules Cluster

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M13, Hercules Cluster**

R.A.: **16h 41m 41s**

Dec: **36° 27' 35"**

Const: **Her**

Type: **GCL**

Magnitude: **7**

Size: **16.6**

#### 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:

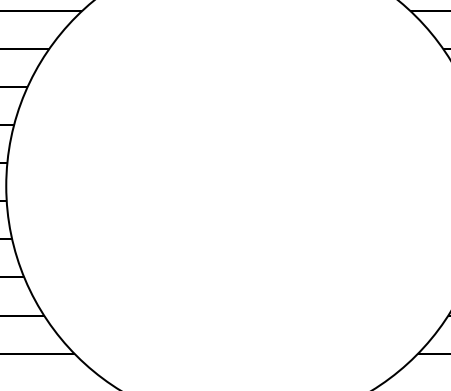
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX





# MESSIER OBJECTS OF SUMMER 0006

## M10, NGC6254

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M10, NGC6254**

R.A.: **16h 57m 09s**

Dec: **-04° 05' 56"**

Const: **Oph**

Type: **GCL**

Magnitude: **7.5**

Size: **15.1**

#### 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:

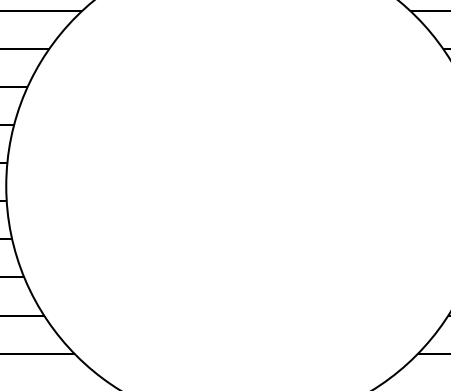
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX





# MESSIER OBJECTS OF SUMMER 0008

## M19, NGC6273

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M19, NGC6273**

R.A.: **17h 02m 38s**

Dec: **-26° 16' 04"**

Const: **Oph**

Type: **GCL**

Magnitude: **8.5**

Size: **13.5**

#### 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:

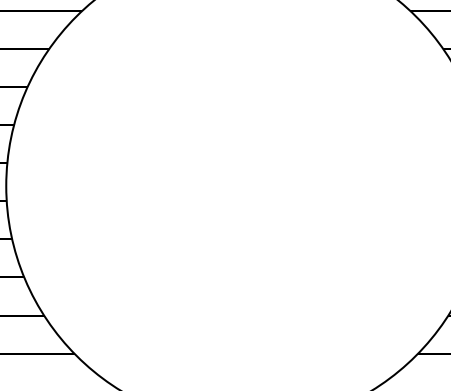
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG





# MESSIER OBJECTS OF SUMMER 0010

## M9, NGC6333

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M9, NGC6333**

R.A.: **17h 19m 12s**

Dec: **-18° 30' 58"**

Const: **Oph**

Type: **GCL**

Magnitude: **9**

Size: **9.3**

#### 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:

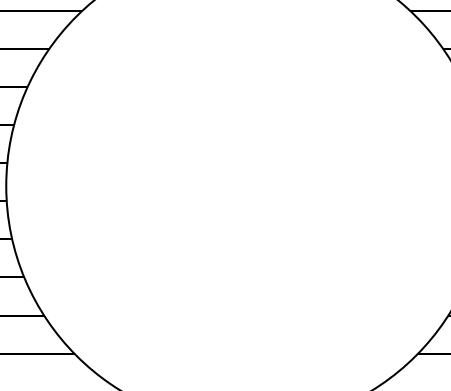
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG









# MESSIER OBJECTS OF SUMMER 0014

## M23, NGC6494

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M23, NGC6494**

R.A.: **17h 57m 04s**

Dec: **-18° 59' 06"**

Const: **Sgr**

Type: **OCL**

Magnitude: **6**

Size: **27**

#### 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:

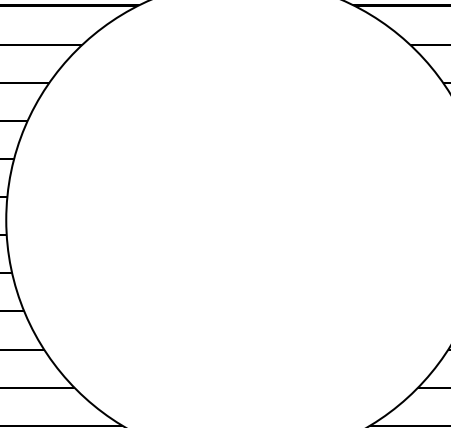
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX







# MESSIER OBJECTS OF SUMMER 0017

## M21, NGC6531

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M21, NGC6531**

R.A.: **18h 04m 13s**

Dec: **-22° 29' 24"**

Const: **Sgr**

Type: **OCL**

Magnitude: **7**

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:

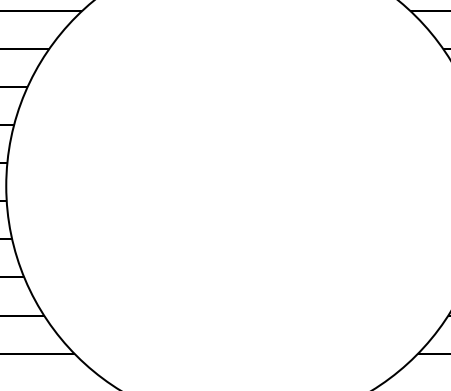
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX







# MESSIER OBJECTS OF SUMMER 0020

## M18, Black Swan

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M18, Black Swan**

R.A.: **18h 19m 58s**

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:

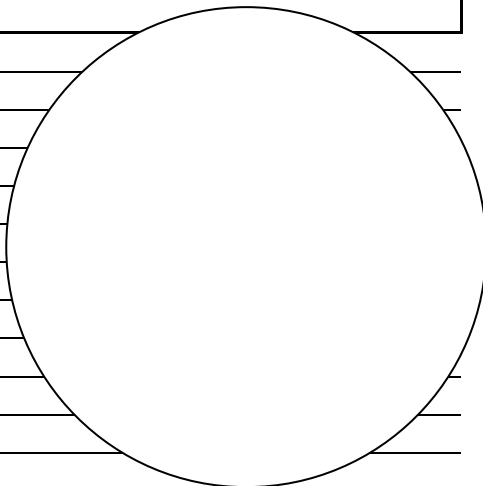
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX





# MESSIER OBJECTS OF SUMMER 0022

## M28, NGC6626

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M28, NGC6626**

R.A.: **18h 24m 33s**

Dec: **-24° 52' 07"**

Const: **Sgr**

Type: **GCL**

Magnitude: **8.5**

Size: **11.2**

#### 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:

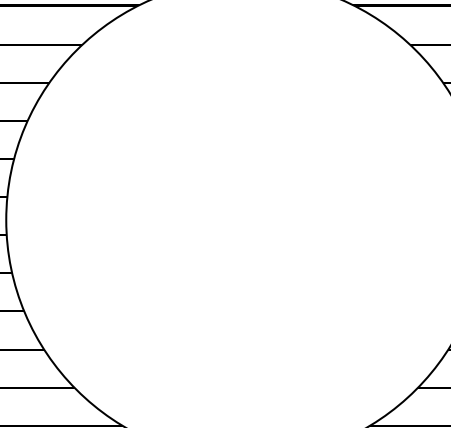
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX



# MESSIER OBJECTS OF SUMMER 0023

## M69, NGC6637

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M69, NGC6637**

R.A.: **18h 31m 23s**

Dec: **-32° 20' 51"**

Const: **Sgr**

Type: **GCL**

Magnitude: **9**

Size: **7.1**

#### 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:

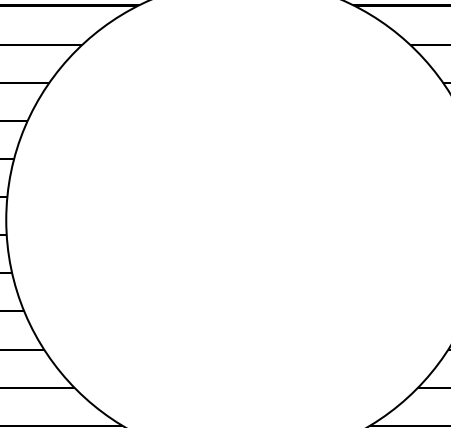
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0024

## M25

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M25**

R.A.: **18h 31m 42s**

Dec: **-19° 07' 00"**

Const: **Sgr**

Type: **OCL**

Magnitude: **6.5**

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:

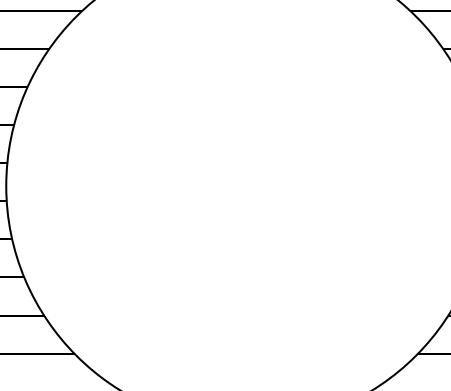
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG





# MESSIER OBJECTS OF SUMMER 0026

## M70, NGC6681

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M70, NGC6681**

R.A.: **18h 43m 12s**

Dec: **-32° 17' 27"**

Const: **Sgr**

Type: **GCL**

Magnitude: **9**

Size: **7.8**

#### 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:

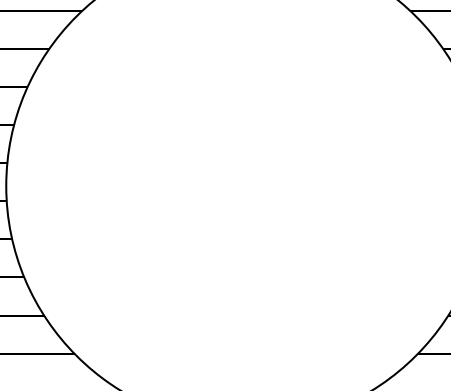
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0027

## M26, NGC6694

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M26, NGC6694**

R.A.: **18h 45m 18s**

Dec: **-09° 22' 60"**

Const: **Sct**

Type: **OCL**

Magnitude: **9.5**

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:

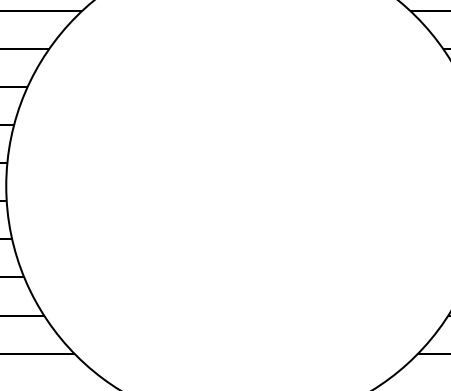
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG





# MESSIER OBJECTS OF SUMMER 0029

## M57, Ring Nebula

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M57, Ring Nebula**

R.A.: **18h 53m 35s**

Dec: **33° 01' 44"**

Const: **Lyr**

Type: **PNE**

Magnitude: **9.5**

Size: **2.5**

#### 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:

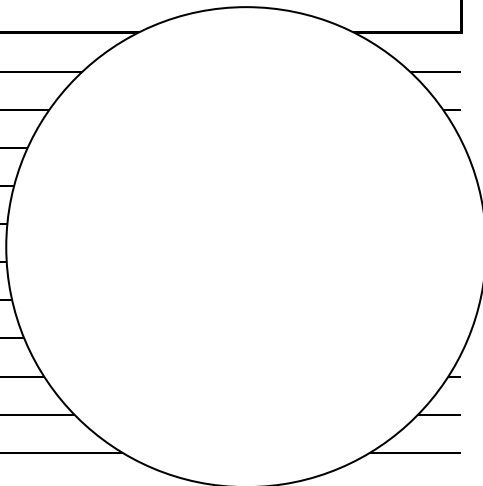
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0030

## M54, NGC6715

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M54, NGC6715**

R.A.: **18h 55m 03s**

Dec: **-30° 28' 47"**

Const: **Sgr**

Type: **GCL**

Magnitude: **8.5**

Size: **9.1**

#### 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:

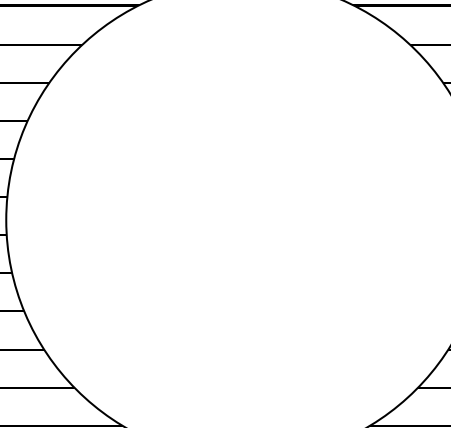
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0031

## M56, NGC6779

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M56, NGC6779**

R.A.: **19h 16m 36s**

Dec: **30° 11' 02"**

Const: **Lyr**

Type: **GCL**

Magnitude: **9.5**

Size: **7.1**

#### 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:

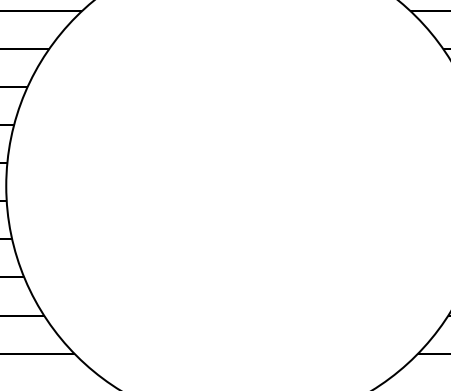
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0032

## M55, NGC6809

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M55, NGC6809**

R.A.: **19h 39m 60s**

Dec: **-30° 57' 44"**

Const: **Sgr**

Type: **GCL**

Magnitude: **7**

Size: **19**

#### 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:

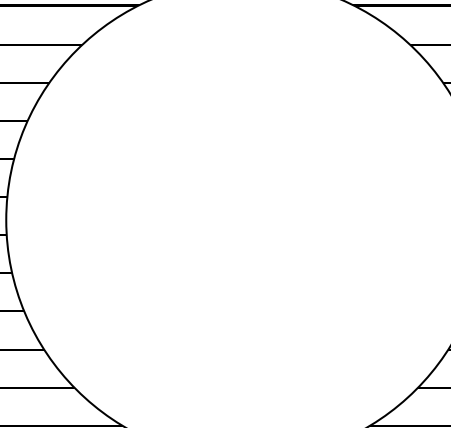
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX



# MESSIER OBJECTS OF SUMMER 0033

## M71, NGC6838

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M71, NGC6838**

R.A.: **19h 53m 46s**

Dec: **18° 46' 42"**

Const: **Sge**

Type: **GCL**

Magnitude: **8.5**

Size: **7.2**

#### 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:

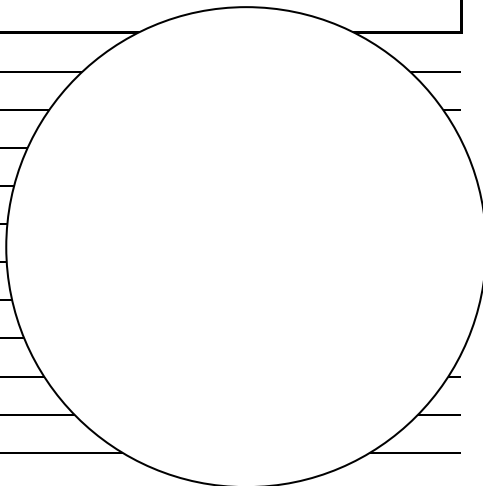
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG





# MESSIER OBJECTS OF SUMMER 0035

## M75, NGC6864

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M75, NGC6864**

R.A.: **20h 06m 05s**

Dec: **-21° 55' 19"**

Const: **Sgr**

Type: **GCL**

Magnitude: **9.5**

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:

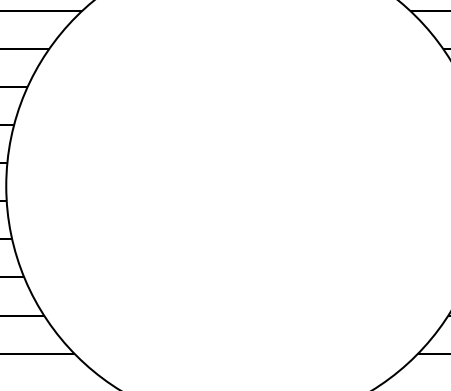
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG



# MESSIER OBJECTS OF SUMMER 0036

## M29, Cooling Tower

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M29, Cooling Tower**

R.A.: **20h 23m 57s**

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:

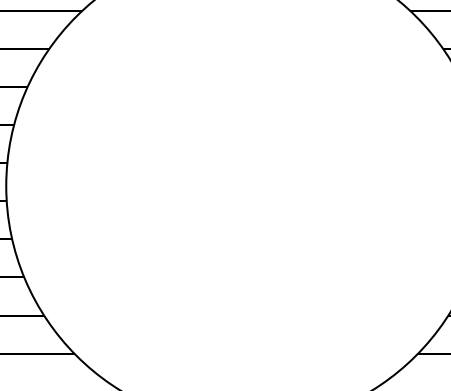
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:EX



# MESSIER OBJECTS OF SUMMER 0037

## M72, NGC6981

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M72, NGC6981**

R.A.: **20h 53m 28s**

Dec: **-12° 32' 14"**

Const: **Aqr**

Type: **GCL**

Magnitude: **10**

Size: **5.9**

#### 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:

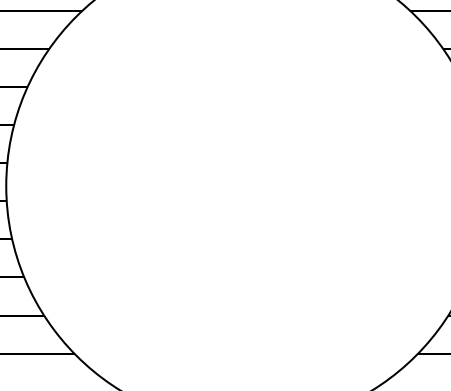
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating:GD



# MESSIER OBJECTS OF SUMMER 0038

## M73, NGC6994

### OBSERVATION LOG

Observer:

Date:

Time:

#### OBJECT

Name: **M73, NGC6994**

R.A.: **20h 58m 56s**

Dec: **-12° 38' 07"**

Const: **Aqr**

Type: **OCL + AST**

Magnitude: **9**

Size: **3**

#### 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:

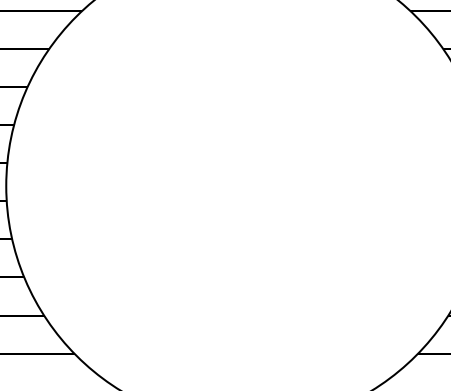
Exp count:

Dark frame:

Bias frame:

Software:

#### OBSERVATIONS

Indicate NORTH with arrow

#### NOTES

Rating: VG





