

MESSIER OBSERVATION LOG: M1

Observer:

Date:

Time:

OBJECT

Name: **Crab Nebula**

Object: **M1**

R.A.: **05h 34m 32s**

Dec: **22° 00' 52"**

Magnitude: **8.4**

Type: **Nebula**

Const: **Tau**

Size: **6x4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

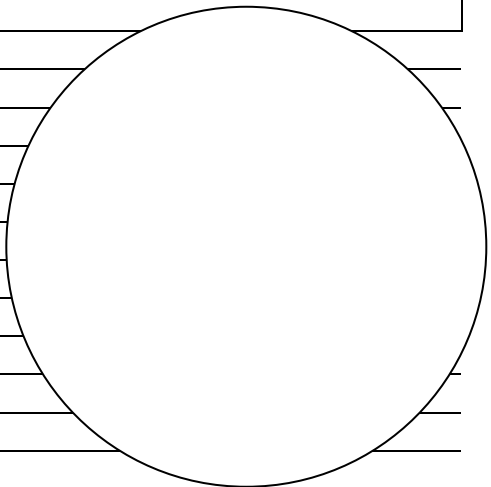
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M2

Observer: _____

Date: _____

Time: _____

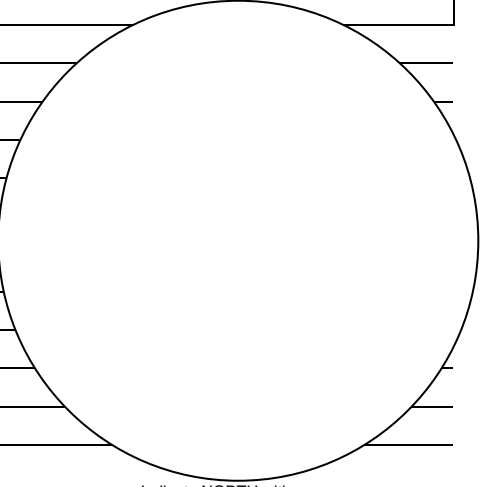
OBJECT		
Name: NGC7089		
Object: M2		
R.A.: 21h 33m 27s	Dec: 00° 49' 23''	Magnitude: 7.5
Type: Globular Cluster	Const: Aqr	Size: 12.9

SITE		
Location: _____		
Latitude: _____	Longitude: _____	Elevation: _____

SKY		
Darkness: _____	Wind Speed: _____	Temperature: _____
Seeing: _____	Wind Dir: _____	Humidity: _____

TELESCOPE				
OTA: _____	FL: _____	<i>f</i> / Type: _____	Mount: _____	
Slew Control: <input type="checkbox"/> Manual <input type="checkbox"/> GoTo <input type="checkbox"/> PC <input type="checkbox"/> Other		Nav Aid: <input type="checkbox"/> Charts <input type="checkbox"/> GoTo <input type="checkbox"/> PC <input type="checkbox"/> Other		

IMAGER					
Eyepiece: _____	FOV: _____	Type: _____	Barlow: _____	Net Mag: _____	
Camera: _____	Type: <input type="checkbox"/> CCD <input type="checkbox"/> Film <input type="checkbox"/> Other	ASA: _____	Guider: _____		
Exp time: _____	Exp count: _____	Dark frame: _____	Bias frame: _____	Edit SW: _____	

OBSERVATIONS	
	

Indicate NORTH with arrow

NOTES
Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M3

Observer:

Date:

Time:

OBJECT

Name: **NGC5272**

Object: **M3**

R.A.: **13h 42m 11s**

Dec: **28° 22' 35"**

Magnitude: **7**

Type: **Globular Cluster**

Const: **CVn**

Size: **16.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M4

Observer:

Date:

Time:

OBJECT

Name: **Cat's Eye**

Object: **M4**

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

Dec: **-26° 31' 35"**

Magnitude: **7.5**

Type: **Globular Cluster**

Const: **Sco**

Size: **26.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

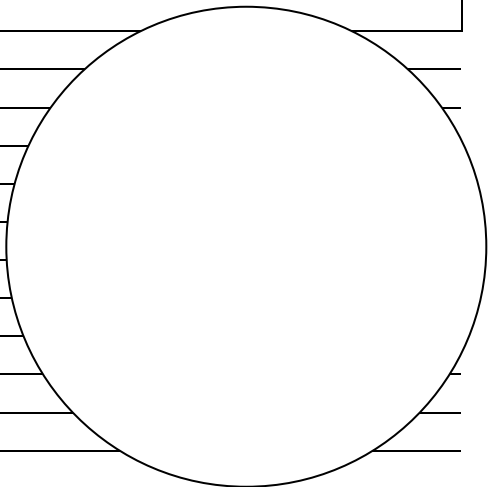
Exp time: Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M5

Observer:

Date:

Time:

OBJECT

Name: **NGC5904**

Object: **M5**

R.A.: **15h 18m 33s**

Dec: **02° 04' 57"**

Magnitude: **7**

Type: **Globular Cluster**

Const: **Ser**

Size: **17.4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

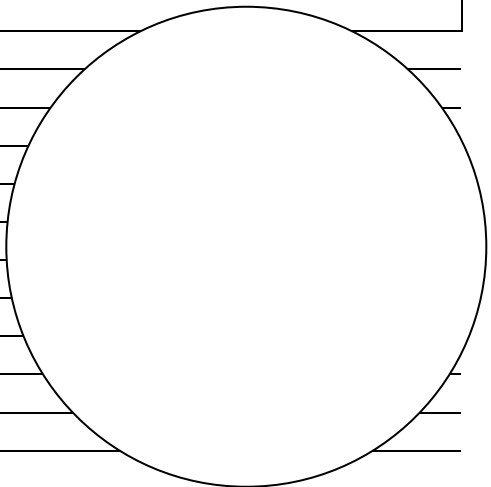
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M6

Observer:

Date:

Time:

OBJECT

Name: **Butterfly Cluster**

Object: **M6**

R.A.: **17h 40m 20s**

Dec: **-32° 15' 12"**

Magnitude: **4.5**

Type: **Open Cluster**

Const: **Sco**

Size: **15**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

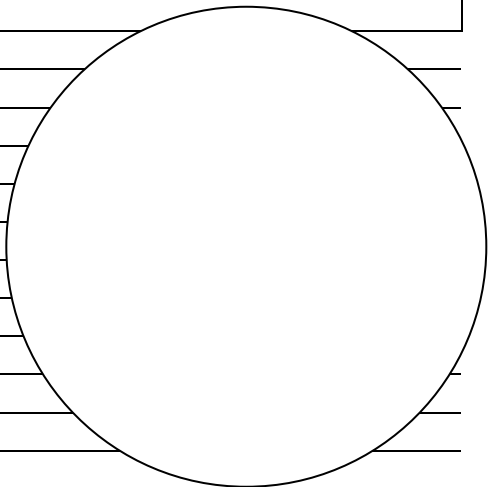
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M7

Observer:

Date:

Time:

OBJECT

Name: **Scorpion's Tail**

Object: **M7**

R.A.: **17h 53m 51s**

Dec: **-34° 47' 36"**

Magnitude: **3.5**

Type: **Open Cluster**

Const: **Sco**

Size: **80**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M8

Observer:

Date:

Time:

OBJECT

Name: **Lagoon Nebula**

Object: **M8**

R.A.: **18h 03m 41s**

Dec: **-24° 22' 48"**

Magnitude: **5**

Type: **Open Cluster + Dark Nebula** Const: **Sgr**

Size: **90**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

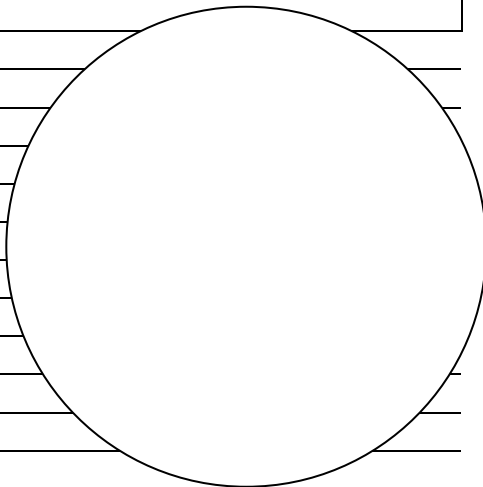
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M9

Observer:

Date:

Time:

OBJECT

Name: **NGC6333**

Object: **M9**

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

Dec: **-18° 30' 58"**

Magnitude: **9**

Type: **Globular Cluster**

Const: **Oph**

Size: **9.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

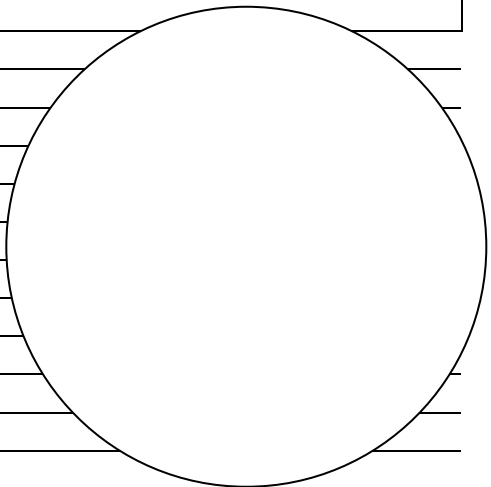
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M10

Observer:

Date:

Time:

OBJECT

Name: **NGC6254**

Object: **M10**

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

Dec: **-04° 05' 56"**

Magnitude: **7.5**

Type: **Globular Cluster**

Const: **Oph**

Size: **15.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

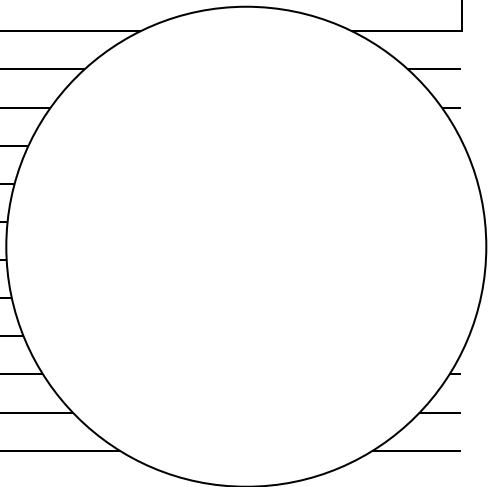
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M11

Observer:

Date:

Time:

OBJECT

Name: **Wild Duck Cluster**

Object: **M11**

R.A.: **18h 51m 05s**

Dec: **-06° 16' 12"**

Magnitude: **7**

Type: **Open Cluster**

Const: **Sct**

Size: **14**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M12

Observer:

Date:

Time:

OBJECT

Name: **Gumball Globular**

Object: **M12**

R.A.: **16h 47m 14s**

Dec: **-01° 56' 52"**

Magnitude: **8**

Type: **Globular Cluster**

Const: **Oph**

Size: **14.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M13

Observer:

Date:

Time:

OBJECT

Name: **Great Hercules Cluster**

Object: **M13**

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

Dec: **36° 27' 35"**

Magnitude: **7**

Type: **Globular Cluster**

Const: **Her**

Size: **16.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

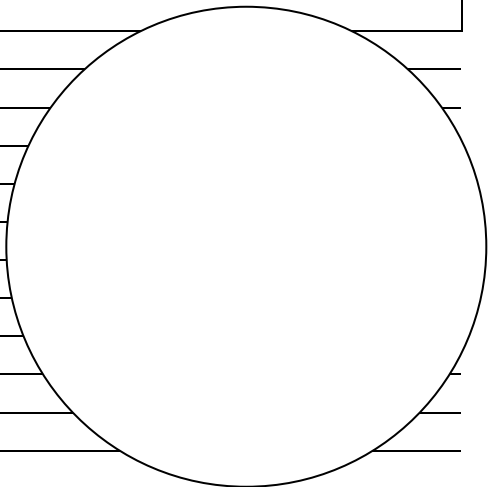
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M14

Observer:

Date:

Time:

OBJECT

Name: **NGC6402**

Object: **M14**

R.A.: **17h 37m 36s**

Dec: **-03° 14' 43"**

Magnitude: **9.5**

Type: **Globular Cluster**

Const: **Oph**

Size: **11.7**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

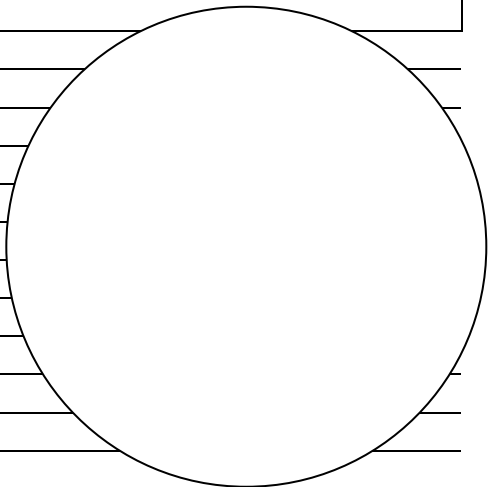
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M15

Observer:

Date:

Time:

OBJECT

Name: **Great Pegasus Cluster**

Object: **M15**

R.A.: **21h 29m 58s**

Dec: **12° 10' 02"**

Magnitude: **7.5**

Type: **Globular Cluster**

Const: **Peg**

Size: **12.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

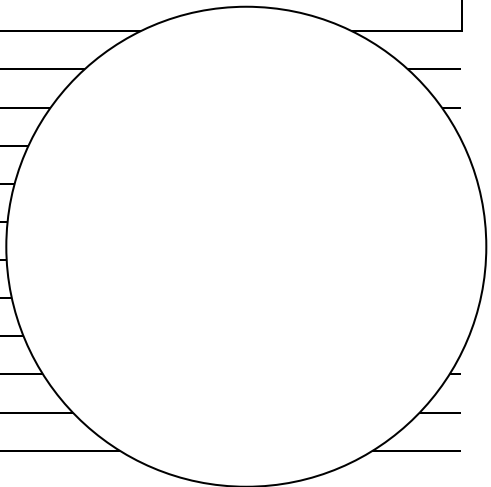
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M16

Observer:

Date:

Time:

OBJECT

Name: **Eagle Nebula**

Object: **M16**

R.A.: **18h 18m 48s**

Dec: **-13° 48' 24"**

Magnitude: **6.5**

Type: **Open Cluster + Dark Nebula** Const: **Ser**

Size: **35**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

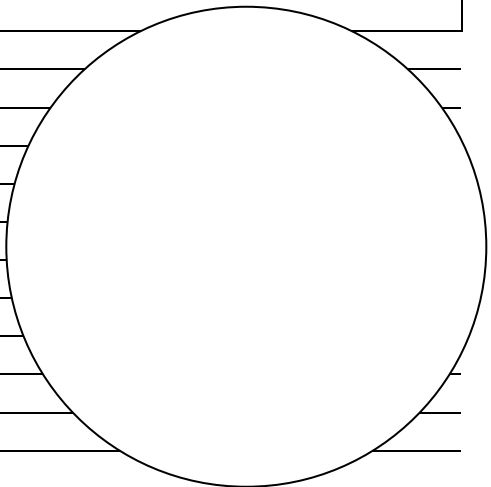
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M17

Observer: _____

Date: _____

Time: _____

OBJECT

Name: **Omega Nebula**

Object: **M17**

R.A.: **18h 20m 47s**

Dec: **-16° 10' 18"**

Magnitude: **7**

Type: **Open Cluster + Dark Nebula**

Const: **Sgr**

Size: **46**

SITE

Location: _____

Latitude: _____

Longitude: _____

Elevation: _____

SKY

Darkness: _____

Wind Speed: _____

Temperature: _____

Seeing: _____

Wind Dir: _____

Humidity: _____

TELESCOPE

OTA: _____

FL: _____

f/ _____

Type: _____

Mount: _____

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece: _____

FOV: _____

Type: _____

Barlow: _____

Net Mag: _____

Camera: _____

Type: CCD Film Other

ASA: _____

Guider: _____

Exp time: _____

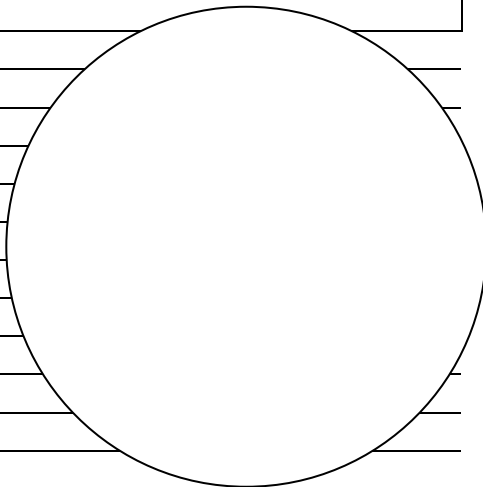
Exp count: _____

Dark frame: _____

Bias frame: _____

Edit SW: _____

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M18

Observer:

Date:

Time:

OBJECT

Name: **Black Swan**

Object: **M18**

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

Dec: **-17° 06' 07"**

Magnitude: **8**

Type: **Open Cluster**

Const: **Sgr**

Size: **9**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M19

Observer:

Date:

Time:

OBJECT

Name: **NGC6273**

Object: **M19**

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

Dec: **-26° 16' 04"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Oph**

Size: **13.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

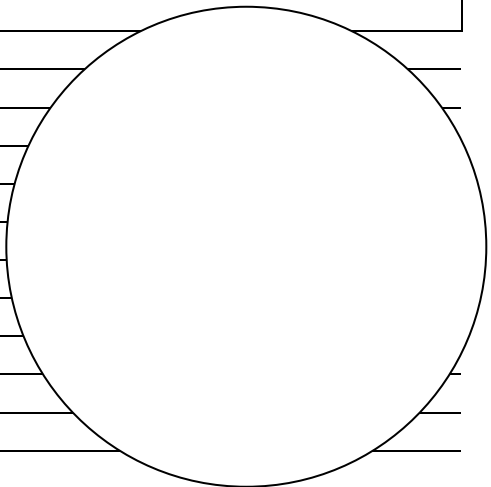
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M20

Observer:

Date:

Time:

OBJECT

Name: **Trifid Nebula**

Object: **M20**

R.A.: **18h 02m 42s**

Dec: **-22° 58' 18"**

Magnitude: **5**

Type: **Open Cluster + Dark Nebula**

Const: **Sgr**

Size: **29**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

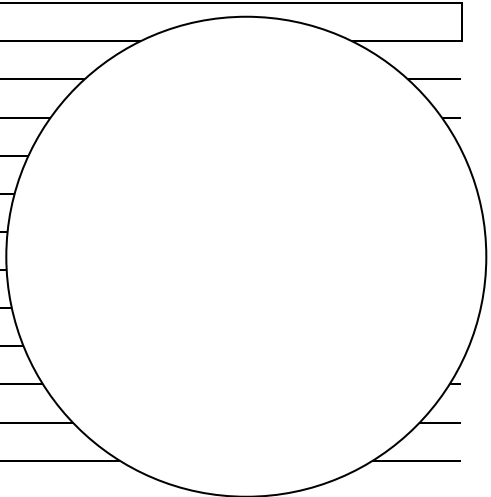
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS



Indicate NORTH with arrow

NOTES

Rating: EX / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M21

Observer:

Date:

Time:

OBJECT

Name: **NGC6531**

Object: **M21**

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

Dec: **-22° 29' 24"**

Magnitude: **7**

Type: **Open Cluster**

Const: **Sgr**

Size: **13**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

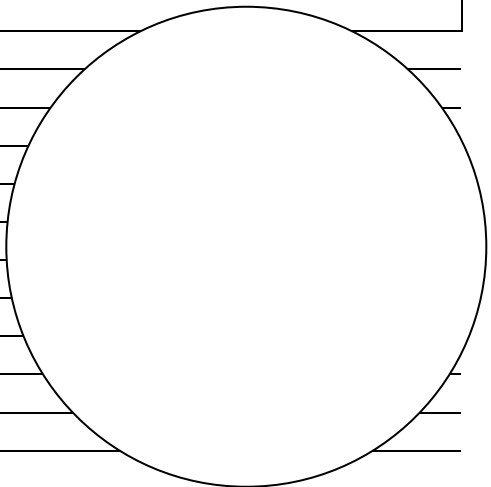
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: EX / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M22

Observer:

Date:

Time:

OBJECT

Name: **Great Sagittarius Cluster**

Object: **M22**

R.A.: **18h 36m 24s**

Dec: **-23° 54' 17"**

Magnitude: **6.5**

Type: **Globular Cluster**

Const: **Sgr**

Size: **24**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

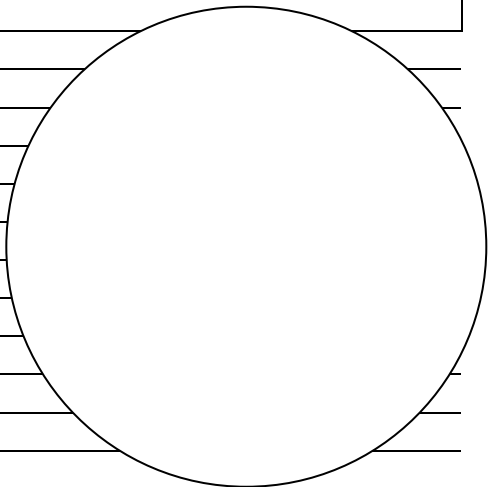
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M23

Observer:

Date:

Time:

OBJECT

Name: **NGC6494**

Object: **M23**

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

Dec: **-18° 59' 06"**

Magnitude: **6**

Type: **Open Cluster**

Const: **Sgr**

Size: **27**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

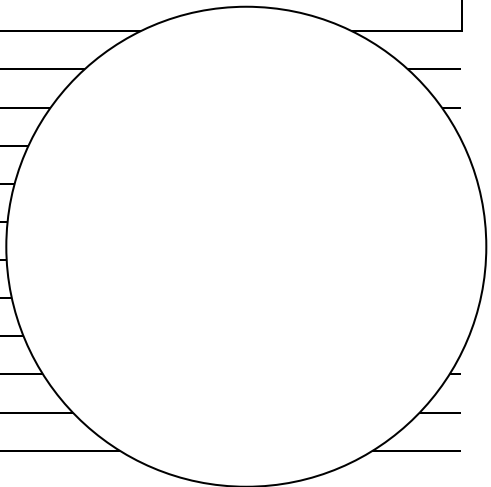
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M24

Observer:

Date:

Time:

OBJECT

Name: **Small Sagittarius Star Cloud**

Object: **M24**

R.A.: **18h 18m 26s**

Dec: **-18° 24' 24"**

Magnitude: **4.5**

Type: **Open Cluster**

Const: **Sgr**

Size: **80x35**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M25

Observer:

Date:

Time:

OBJECT

Name: **M25**

Object: **M25**

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

Dec: **-19° 07' 00"**

Magnitude: **6.5**

Type: **Open Cluster**

Const: **Sgr**

Size: **40**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

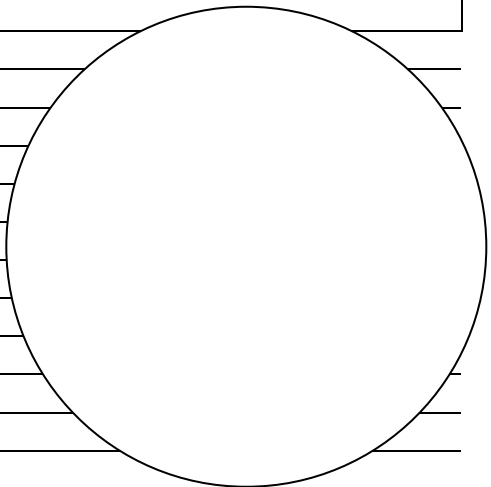
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M26

Observer:

Date:

Time:

OBJECT

Name: **NGC6694**

Object: **M26**

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

Dec: **-09° 22' 60"**

Magnitude: **9.5**

Type: **Open Cluster**

Const: **Sct**

Size: **15**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

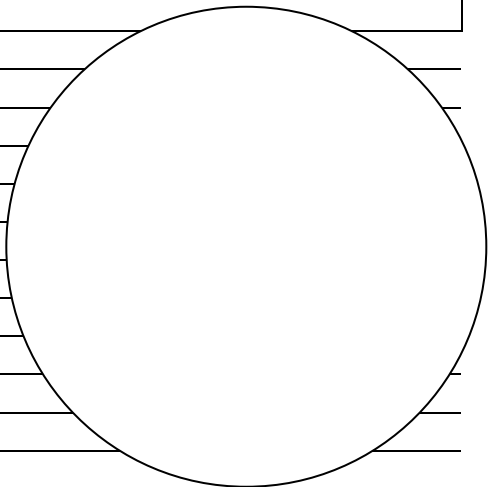
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Easy

MESSIER OBSERVATION LOG: M27

Observer:

Date:

Time:

OBJECT

Name: **Dumbbell Nebula**

Object: **M27**

R.A.: **19h 59m 36s**

Dec: **22° 43' 15"**

Magnitude: **7.5**

Type: **Pneb**

Const: **Vul**

Size: **15.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M28

Observer:

Date:

Time:

OBJECT

Name: **NGC6626**

Object: **M28**

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

Dec: **-24° 52' 07"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Sgr**

Size: **11.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time: Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Observation area with a large circle for field of view.

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M29

Observer:

Date:

Time:

OBJECT

Name: **Cooling Tower**

Object: **M29**

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

Dec: **38° 30' 30"**

Magnitude: **9**

Type: **Open Cluster**

Const: **Cyg**

Size: **7**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M30

Observer:

Date:

Time:

OBJECT

Name: **NGC7099**

Object: **M30**

R.A.: **21h 40m 22s**

Dec: **-23° 10' 45"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Cap**

Size: **11**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

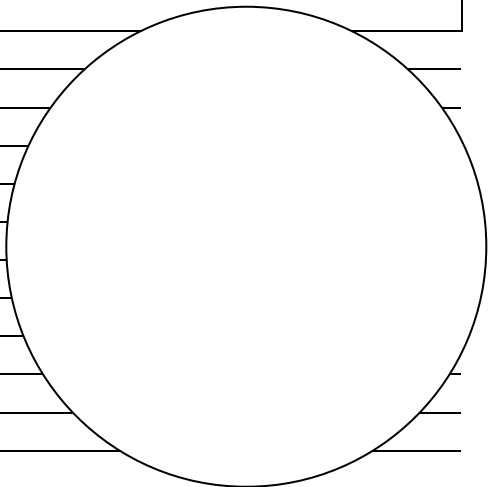
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M31

Observer:

Date:

Time:

OBJECT

Name: **Andromeda Galaxy**

Object: **M31**

R.A.: **00h 42m 44s**

Dec: **41° 16' 08"**

Magnitude: **4.3**

Type: **Galaxy**

Const: **And**

Size: **189.1x61.7**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

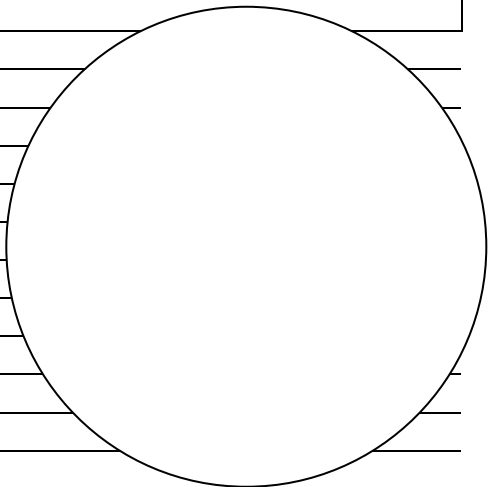
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M32

Observer:

Date:

Time:

OBJECT

Name: **Satellite Of Andromeda Galaxy**

Object: **M32**

R.A.: **00h 42m 42s**

Dec: **40° 51' 54"**

Magnitude: **9.1**

Type: **Galaxy**

Const: **And**

Size: **8.5x6.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

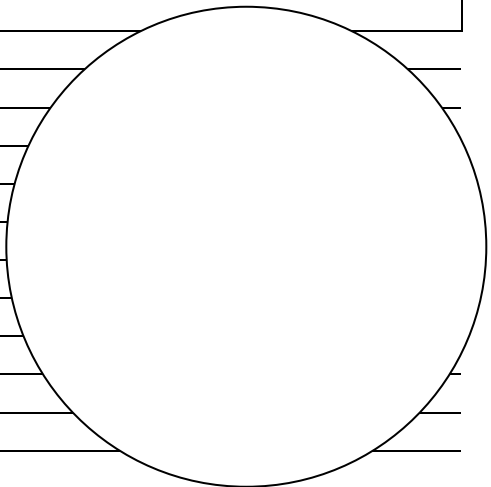
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Easy

MESSIER OBSERVATION LOG: M33

Observer:

Date:

Time:

OBJECT

Name: **Triangulum Galaxy**

Object: **M33**

R.A.: **01h 33m 51s**

Dec: **30° 39' 37"**

Magnitude: **6.2**

Type: **Galaxy**

Const: **Tri**

Size: **68.7x41.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

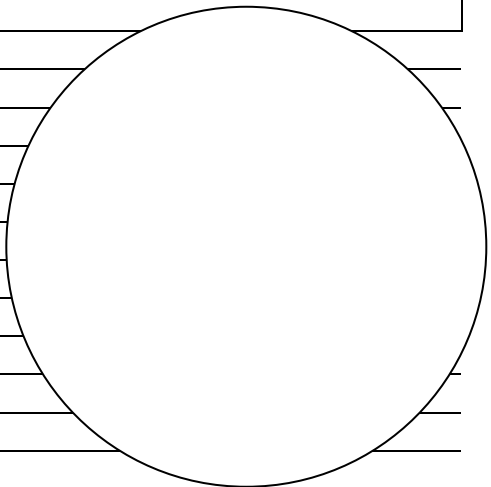
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Tougher

MESSIER OBSERVATION LOG: M34

Observer:

Date:

Time:

OBJECT

Name: **Spiral Cluster**

Object: **M34**

R.A.: **02h 42m 05s**

Dec: **42° 45' 42"**

Magnitude: **6**

Type: **Open Cluster**

Const: **Per**

Size: **35**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

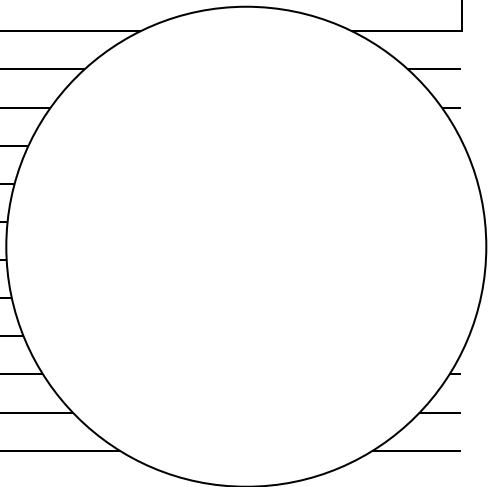
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M35

Observer:

Date:

Time:

OBJECT

Name: **NGC2168**

Object: **M35**

R.A.: **06h 09m 00s**

Dec: **24° 21' 00"**

Magnitude: **5.5**

Type: **Open Cluster**

Const: **Gem**

Size: **28**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

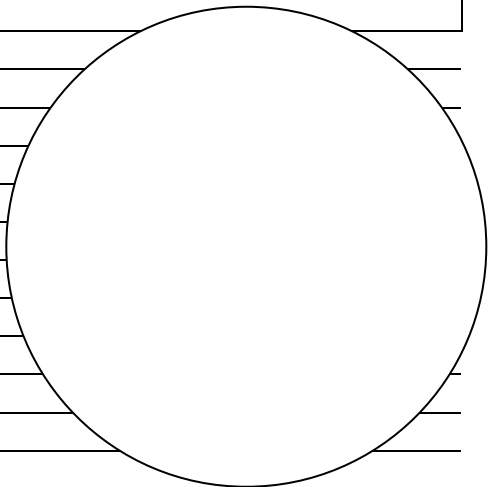
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M36

Observer:

Date:

Time:

OBJECT

Name: **Pinwheel Cluster**

Object: **M36**

R.A.: **05h 36m 18s**

Dec: **34° 08' 24"**

Magnitude: **6.5**

Type: **Open Cluster**

Const: **Aur**

Size: **12**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

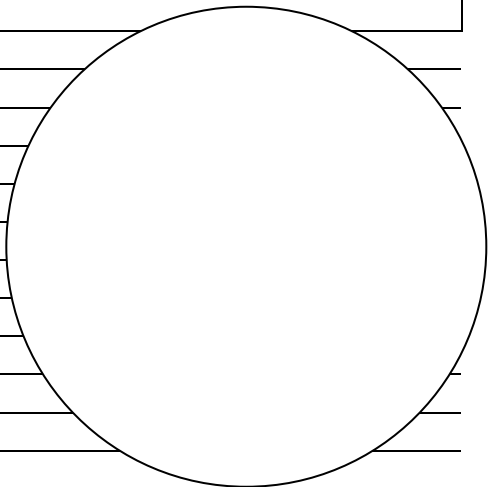
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M37

Observer:

Date:

Time:

OBJECT

Name: **Auriga Salt-and-pepper Cluster**

Object: **M37**

R.A.: **05h 52m 18s**

Dec: **32° 33' 12"**

Magnitude: **6**

Type: **Open Cluster**

Const: **Aur**

Size: **24**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

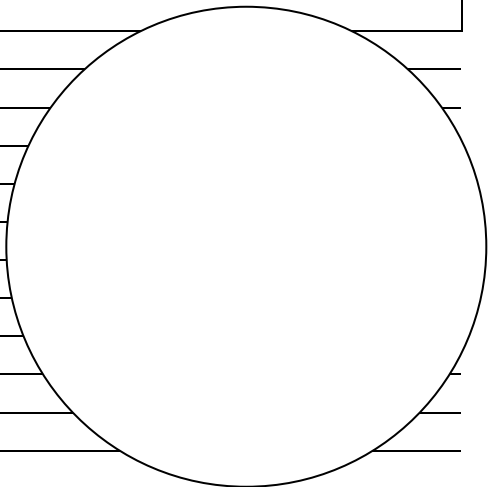
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M38

Observer:

Date:

Time:

OBJECT

Name: **Starfish Cluster**

Object: **M38**

R.A.: **05h 28m 40s**

Dec: **35° 50' 54"**

Magnitude: **7**

Type: **Open Cluster**

Const: **Aur**

Size: **21**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

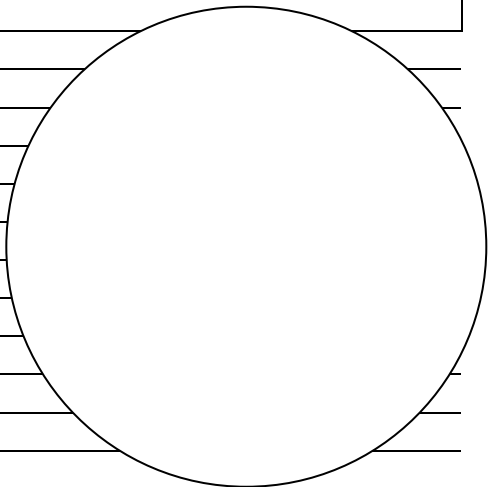
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M39

Observer:

Date:

Time:

OBJECT

Name: **NGC7092**

Object: **M39**

R.A.: **21h 31m 42s**

Dec: **48° 25' 00"**

Magnitude: **5.5**

Type: **Open Cluster**

Const: **Cyg**

Size: **32**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

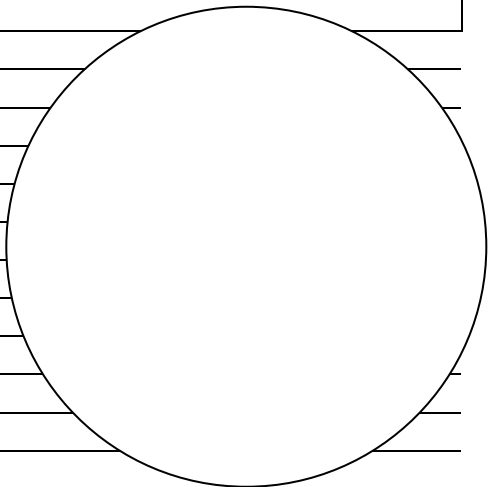
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M40

Observer:

Date:

Time:

OBJECT

Name: **Winnecke 4**

Object: **M40**

R.A.: **12h 22m 12s**

Dec: **58° 04' 60"**

Magnitude: **8.7**

Type: **Dbl+Asterism**

Const: **UMa**

Size: **1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

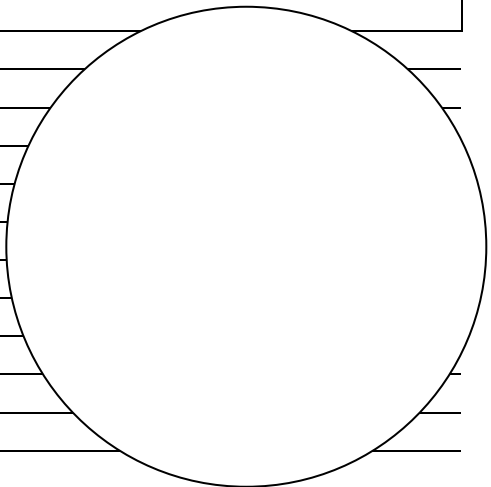
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M41

Observer:

Date:

Time:

OBJECT

Name: **Little Beehive**

Object: **M41**

R.A.: **06h 46m 01s**

Dec: **-20° 45' 24"**

Magnitude: **5**

Type: **Open Cluster**

Const: **CMa**

Size: **38**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M42

Observer:

Date:

Time:

OBJECT

Name: **Great Orion Nebula**

Object: **M42**

R.A.: **05h 35m 16s**

Dec: **-05° 23' 25"**

Magnitude: **4**

Type: **Open Cluster + Dark Nebula** Const: **Ori**

Size: **66**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

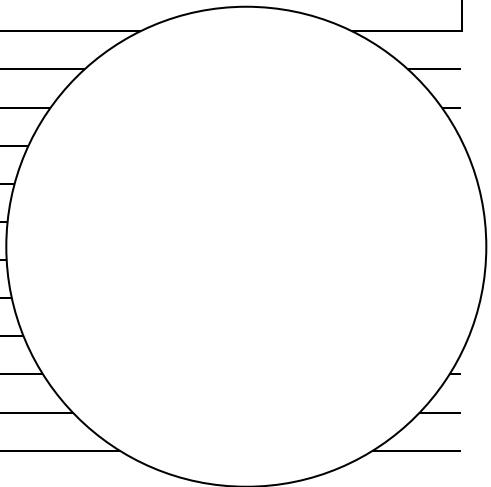
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M43

Observer:

Date:

Time:

OBJECT

Name: **De Mairan's Nebula**

Object: **M43**

R.A.: **05h 35m 31s**

Dec: **-05° 16' 03"**

Magnitude: **9**

Type: **Dneb**

Const: **Ori**

Size: **20**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

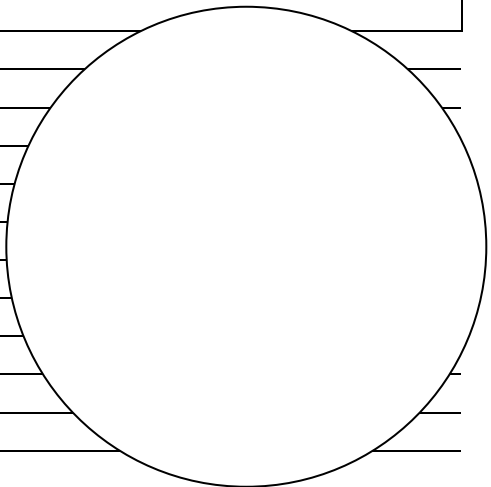
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M44

Observer:

Date:

Time:

OBJECT

Name: **Beehive Cluster**

Object: **M44**

R.A.: **08h 40m 24s**

Dec: **19° 39' 60"**

Magnitude: **4**

Type: **Open Cluster**

Const: **Cnc**

Size: **95**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

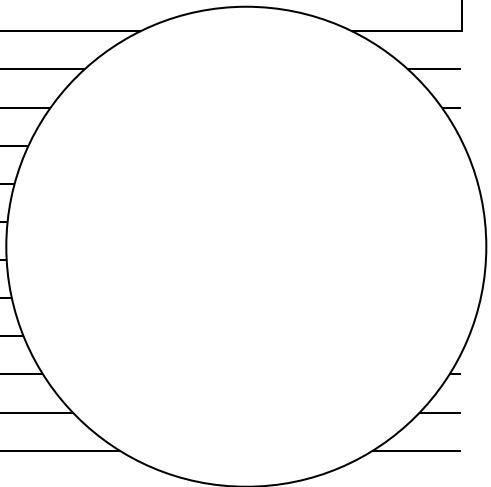
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M45

Observer:

Date:

Time:

OBJECT

Name: **Pleiades, Seven Sisters**

Object: **M45**

R.A.: **03h 47m 30s**

Dec: **24° 07' 00"**

Magnitude: **1.6**

Type: **Open Cluster**

Const: **Tau**

Size: **120**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

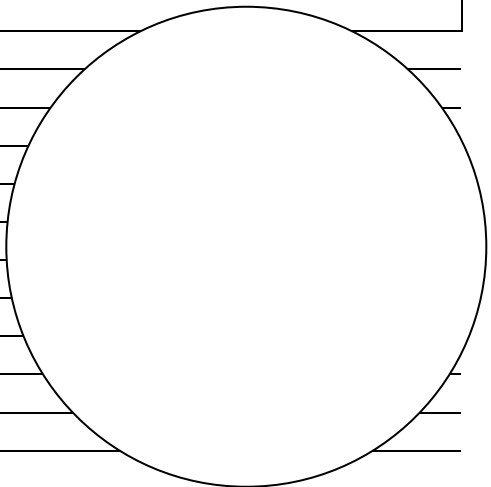
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M46

Observer:

Date:

Time:

OBJECT

Name: **NGC2437**

Object: **M46**

R.A.: **07h 41m 46s**

Dec: **-14° 48' 36"**

Magnitude: **6.5**

Type: **Open Cluster**

Const: **Pup**

Size: **27**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M47

Observer:

Date:

Time:

OBJECT

Name: **NGC2422**

Object: **M47**

R.A.: **07h 36m 35s**

Dec: **-14° 29' 00"**

Magnitude: **4.5**

Type: **Open Cluster**

Const: **Pup**

Size: **30**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

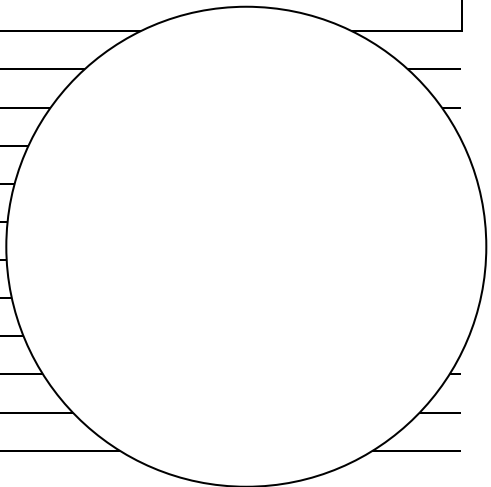
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:SU / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M48

Observer:

Date:

Time:

OBJECT

Name: **NGC2548**

Object: **M48**

R.A.: **08h 13m 43s**

Dec: **-05° 45' 00"**

Magnitude: **5.5**

Type: **Open Cluster**

Const: **Hya**

Size: **54**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

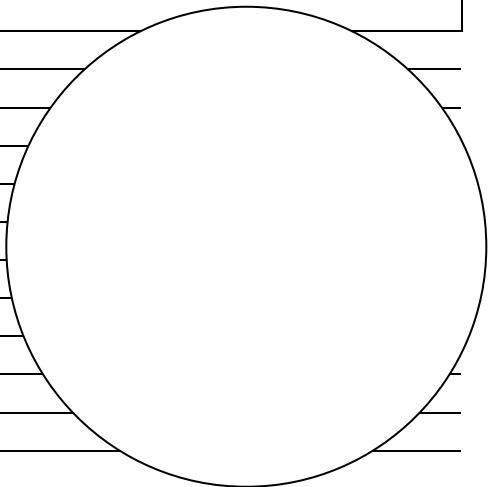
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M50

Observer:

Date:

Time:

OBJECT

Name: **Heart-shaped Cluster**

Object: **M50**

R.A.: **07h 02m 42s**

Dec: **-08° 22' 60"**

Magnitude: **7**

Type: **Open Cluster**

Const: **Mon**

Size: **16**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

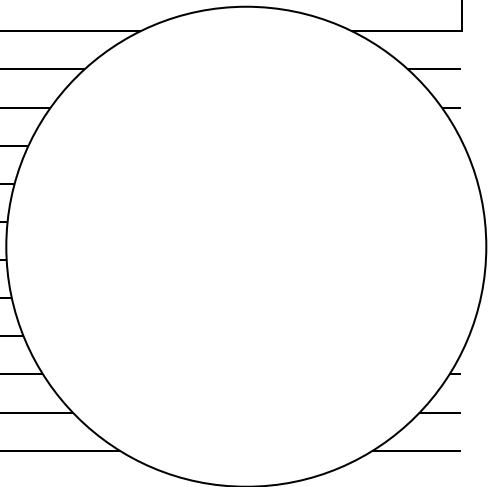
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M51

Observer:

Date:

Time:

OBJECT

Name: **Whirlpool Galaxy**

Object: **M51**

R.A.: **13h 29m 52s**

Dec: **47° 11' 45"**

Magnitude: **8.9**

Type: **Galaxy**

Const: **CVn**

Size: **10.8x6.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M52

Observer:

Date:

Time:

OBJECT

Name: **The Scorpion**

Object: **M52**

R.A.: **23h 24m 48s**

Dec: **61° 35' 36"**

Magnitude: **8**

Type: **Open Cluster**

Const: **Cas**

Size: **13**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

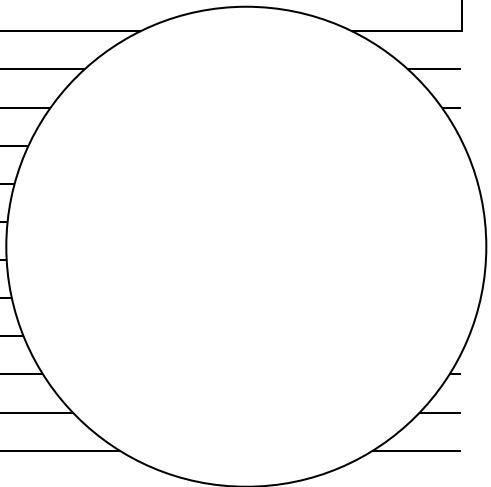
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M53

Observer:

Date:

Time:

OBJECT

Name: **NGC5024**

Object: **M53**

R.A.: **13h 12m 55s**

Dec: **18° 10' 07"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Com**

Size: **12.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

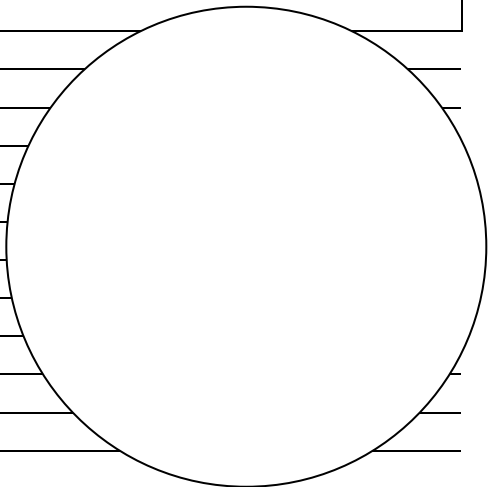
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M54

Observer:

Date:

Time:

OBJECT

Name: **NGC6715**

Object: **M54**

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

Dec: **-30° 28' 47"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Sgr**

Size: **9.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

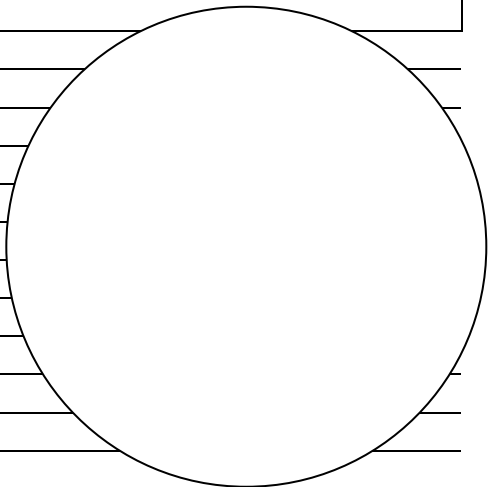
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M55

Observer:

Date:

Time:

OBJECT

Name: **NGC6809**

Object: **M55**

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

Dec: **-30° 57' 44"**

Magnitude: **7**

Type: **Globular Cluster**

Const: **Sgr**

Size: **19**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

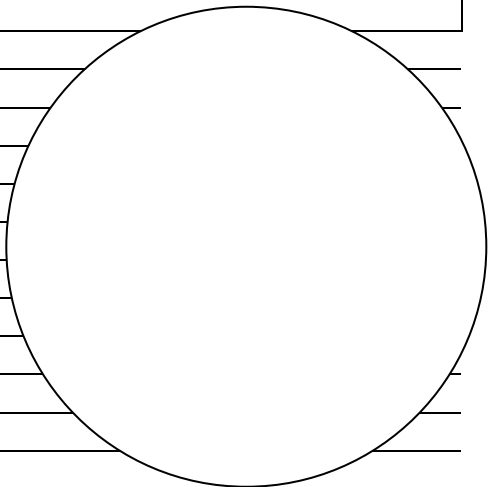
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M56

Observer:

Date:

Time:

OBJECT

Name: **NGC6779**

Object: **M56**

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

Dec: **30° 11' 02"**

Magnitude: **9.5**

Type: **Globular Cluster**

Const: **Lyr**

Size: **7.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

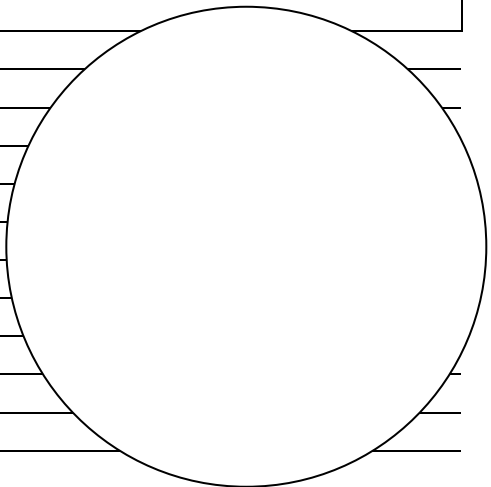
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M57

Observer:

Date:

Time:

OBJECT

Name: **Ring Nebula**

Object: **M57**

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

Dec: **33° 01' 44"**

Magnitude: **9.5**

Type: **Pneb**

Const: **Lyr**

Size: **2.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

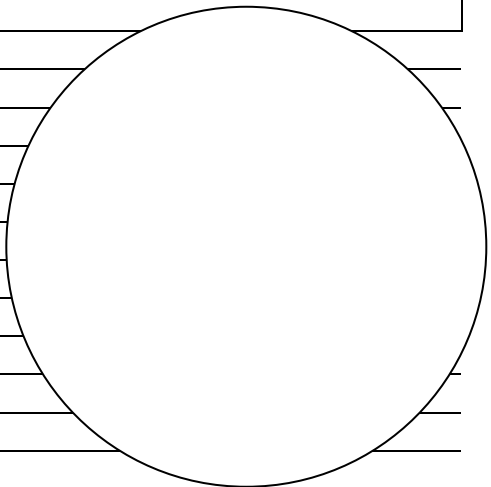
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M58

Observer:

Date:

Time:

OBJECT

Name: **NGC4579, UGC7796**

Object: **M58**

R.A.: **12h 37m 44s**

Dec: **11° 49' 06"**

Magnitude: **10.4**

Type: **Galaxy**

Const: **Vir**

Size: **6x4.8**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M59

Observer:

Date:

Time:

OBJECT

Name: **NGC4621,UGC7858**

Object: **M59**

R.A.: **12h 42m 02s**

Dec: **11° 38' 48"**

Magnitude: **10.7**

Type: **Galaxy**

Const: **Vir**

Size: **5.3x4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

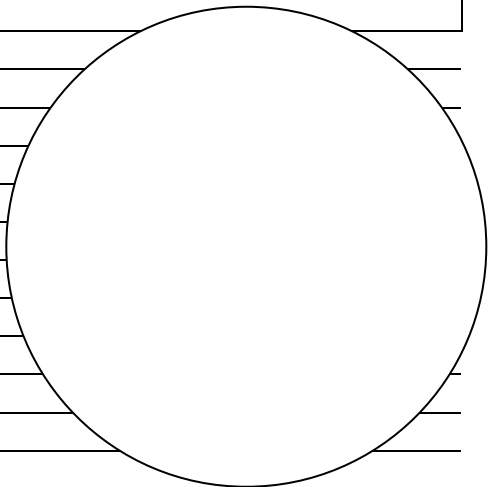
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M60

Observer:

Date:

Time:

OBJECT

Name: **NGC4649,UGC7898**

Object: **M60**

R.A.: **12h 43m 40s**

Dec: **11° 33' 08"**

Magnitude: **9.8**

Type: **Galaxy**

Const: **Vir**

Size: **7.6x6.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

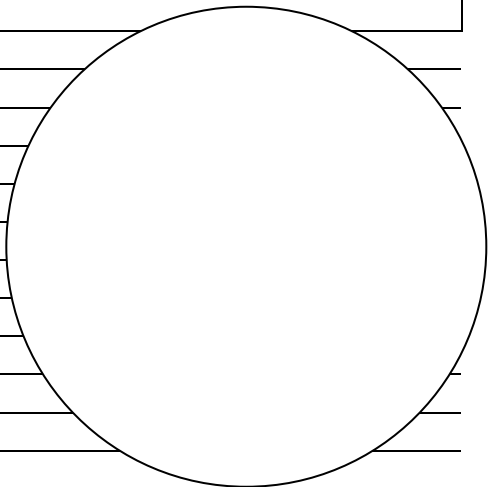
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M61

Observer:

Date:

Time:

OBJECT

Name: **Swelling Spiral**

Object: **M61**

R.A.: **12h 21m 55s**

Dec: **04° 28' 23"**

Magnitude: **10.1**

Type: **Galaxy**

Const: **Vir**

Size: **6.5x5.9**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

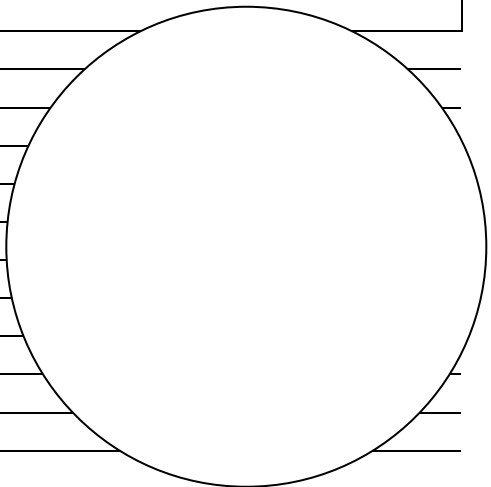
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M62

Observer:

Date:

Time:

OBJECT

Name: **Flickering Globular**

Object: **M62**

R.A.: **17h 01m 13s**

Dec: **-30° 06' 45"**

Magnitude: **8**

Type: **Globular Cluster**

Const: **Oph**

Size: **14.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

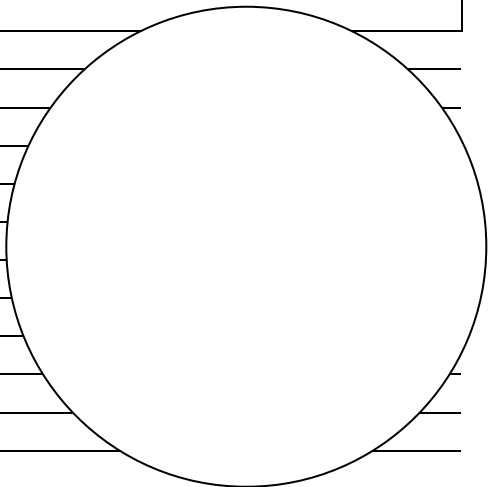
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M63

Observer:

Date:

Time:

OBJECT

Name: **Sunflower Galaxy**

Object: **M63**

R.A.: **13h 15m 49s**

Dec: **42° 01' 46"**

Magnitude: **9.3**

Type: **Galaxy**

Const: **CVn**

Size: **12.6x7.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

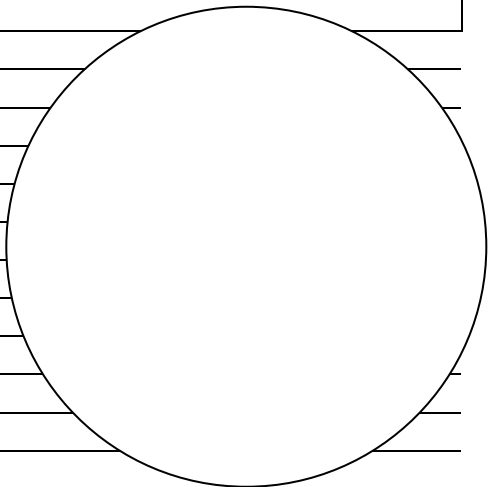
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Tougher

MESSIER OBSERVATION LOG: M64

Observer:

Date:

Time:

OBJECT

Name: **Black Eye Galaxy**

Object: **M64**

R.A.: **12h 56m 44s**

Dec: **21° 40' 58"**

Magnitude: **9.3**

Type: **Galaxy**

Const: **Com**

Size: **10.3x5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Tougher

MESSIER OBSERVATION LOG: M65

Observer:

Date:

Time:

OBJECT

Name: **Leo Triplet**

Object: **M65**

R.A.: **11h 18m 56s**

Dec: **13° 05' 31"**

Magnitude: **10.1**

Type: **Galaxy**

Const: **Leo**

Size: **9x2.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

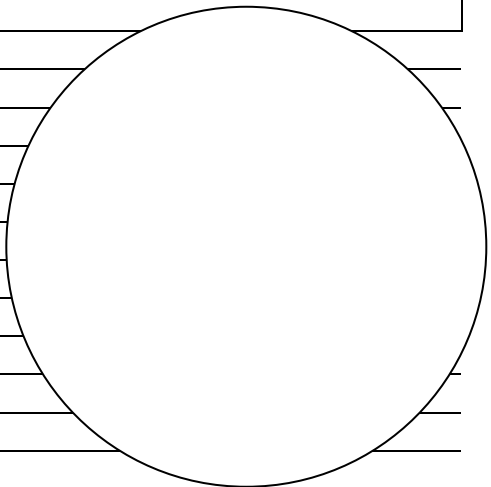
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M66

Observer:

Date:

Time:

OBJECT

Name: **Leo Triplet**

Object: **M66**

R.A.: **11h 20m 15s**

Dec: **12° 59' 26"**

Magnitude: **9.7**

Type: **Galaxy**

Const: **Leo**

Size: **9.1x4.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

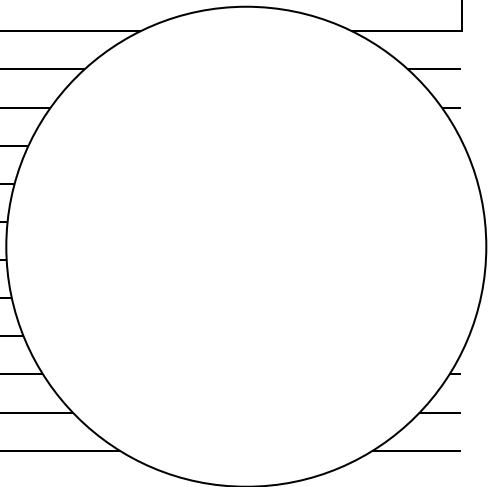
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M69

Observer:

Date:

Time:

OBJECT

Name: **NGC6637**

Object: **M69**

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

Dec: **-32° 20' 51"**

Magnitude: **9**

Type: **Globular Cluster**

Const: **Sgr**

Size: **7.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

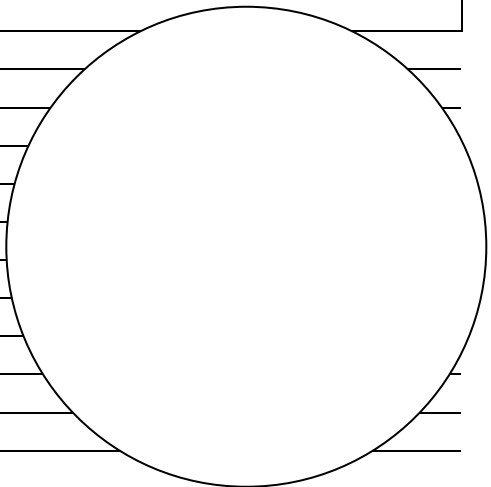
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M71

Observer:

Date:

Time:

OBJECT

Name: **NGC6838**

Object: **M71**

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

Dec: **18° 46' 42"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Sge**

Size: **7.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

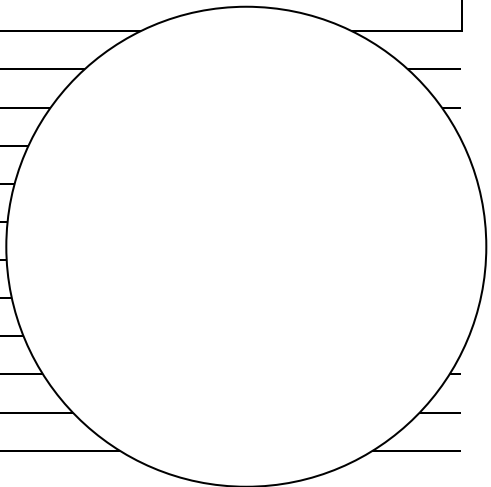
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Easy

MESSIER OBSERVATION LOG: M72

Observer:

Date:

Time:

OBJECT

Name: **NGC6981**

Object: **M72**

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

Dec: **-12° 32' 14"**

Magnitude: **10**

Type: **Globular Cluster**

Const: **Aqr**

Size: **5.9**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

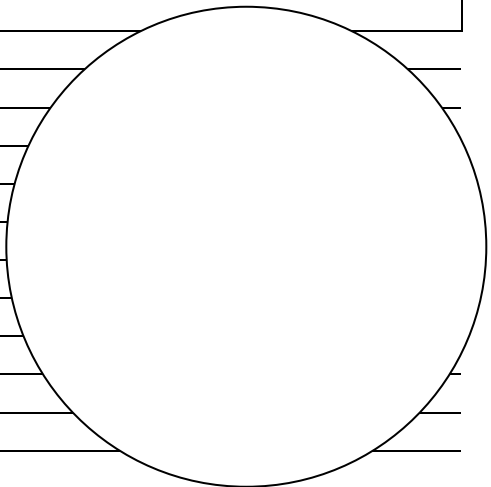
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M73

Observer:

Date:

Time:

OBJECT

Name: **NGC6994**

Object: **M73**

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

Dec: **-12° 38' 07"**

Magnitude: **9**

Type: **Open Cluster+Asterism**

Const: **Aqr**

Size: **3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

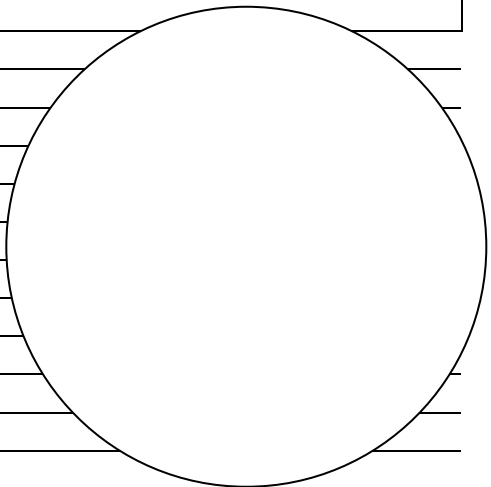
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M74

Observer:

Date:

Time:

OBJECT

Name: **The Phantom**

Object: **M74**

R.A.: **01h 36m 42s**

Dec: **15° 47' 01"**

Magnitude: **9.8**

Type: **Galaxy**

Const: **Psc**

Size: **10x9.4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

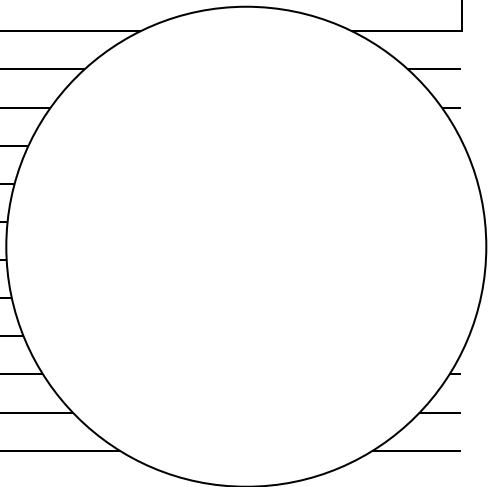
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M75

Observer:

Date:

Time:

OBJECT

Name: **NGC6864**

Object: **M75**

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

Dec: **-21° 55' 19"**

Magnitude: **9.5**

Type: **Globular Cluster**

Const: **Sgr**

Size: **6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

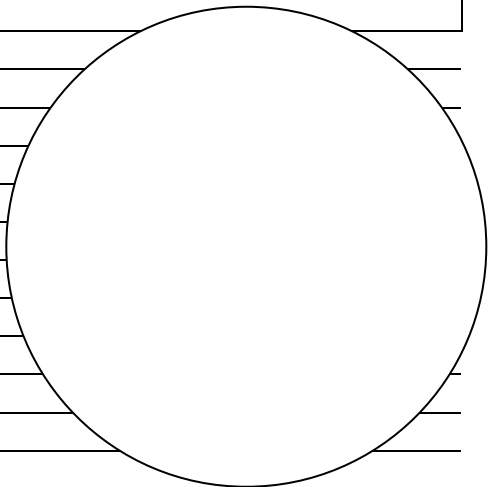
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M76

Observer:

Date:

Time:

OBJECT

Name: **Little Dumbbell Nebula**

Object: **M76**

R.A.: **01h 42m 18s**

Dec: **51° 34' 15"**

Magnitude: **12**

Type: **Pneb**

Const: **Per**

Size: **4.8**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

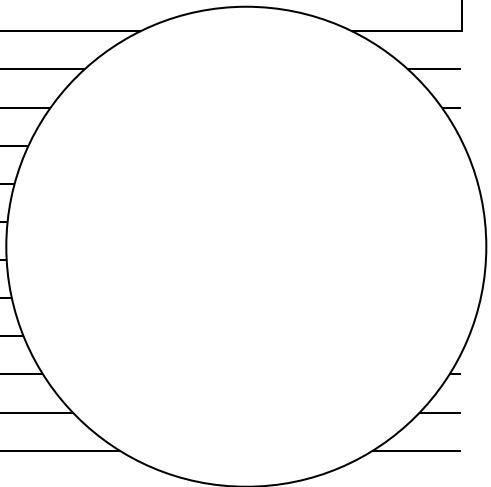
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M77

Observer:

Date:

Time:

OBJECT

Name: **Cetus A**

Object: **M77**

R.A.: **02h 42m 41s**

Dec: **00° 00' 48"**

Magnitude: **9.7**

Type: **Galaxy**

Const: **Cet**

Size: **7.3x6.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

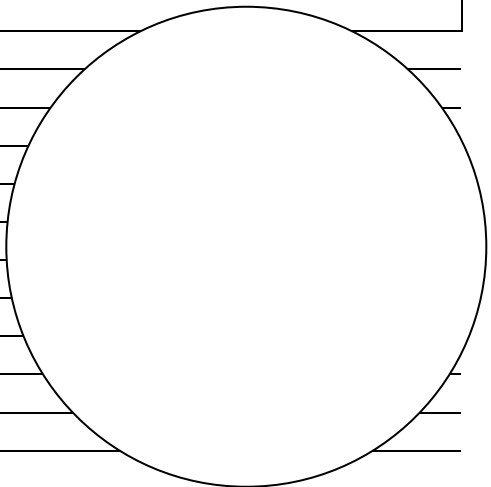
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Tougher

MESSIER OBSERVATION LOG: M79

Observer:

Date:

Time:

OBJECT

Name: **NGC1904**

Object: **M79**

R.A.: **05h 24m 11s**

Dec: **-24° 31' 29"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Lep**

Size: **8.7**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

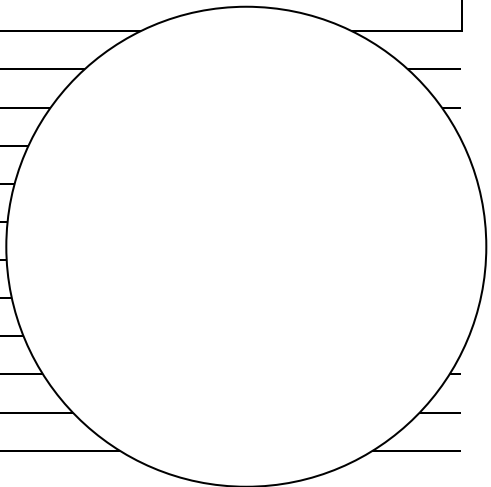
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M80

Observer:

Date:

Time:

OBJECT

Name: **NGC6093**

Object: **M80**

R.A.: **16h 17m 03s**

Dec: **-22° 58' 32"**

Magnitude: **8.5**

Type: **Globular Cluster**

Const: **Sco**

Size: **8.9**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

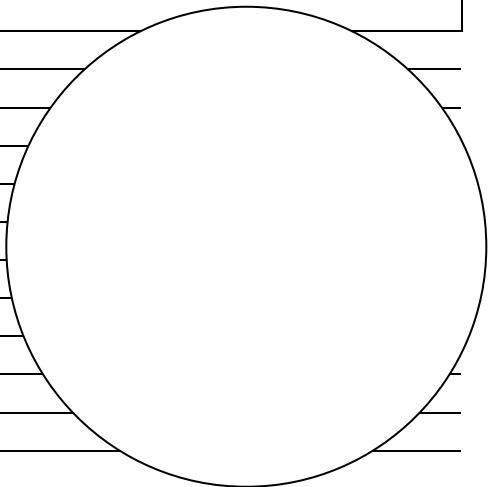
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M81

Observer:

Date:

Time:

OBJECT

Name: **Bode's Galaxy**

Object: **M81**

R.A.: **09h 55m 33s**

Dec: **69° 03' 56"**

Magnitude: **7.8**

Type: **Galaxy**

Const: **UMa**

Size: **24.9x11.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

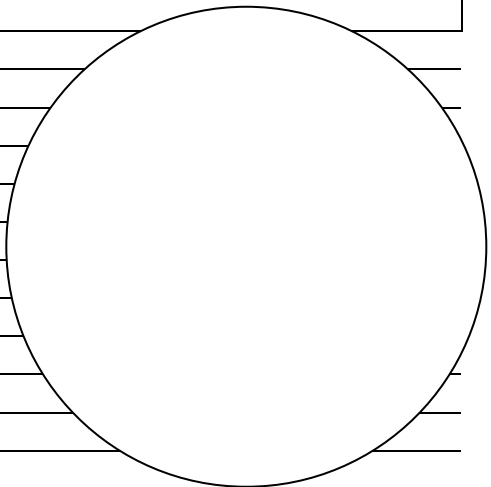
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M82

Observer:

Date:

Time:

OBJECT

Name: **Cigar Galaxy**

Object: **M82**

R.A.: **09h 55m 53s**

Dec: **69° 40' 50"**

Magnitude: **9.2**

Type: **Galaxy**

Const: **UMa**

Size: **10.5x5.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

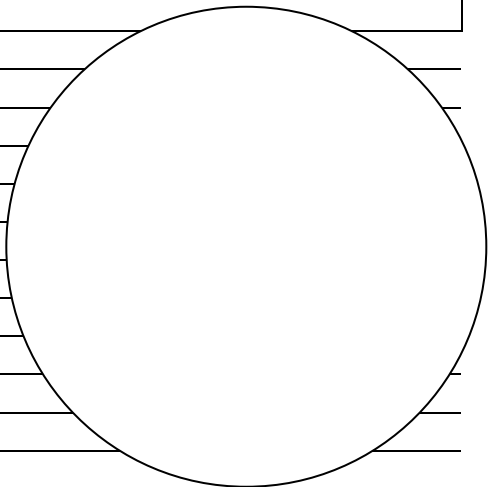
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Easy

MESSIER OBSERVATION LOG: M83

Observer:

Date:

Time:

OBJECT

Name: **Southern Pinwheel Galaxy**

Object: **M83**

R.A.: **13h 37m 00s**

Dec: **-29° 51' 51"**

Magnitude: **8**

Type: **Galaxy**

Const: **Hya**

Size: **13.1x12.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

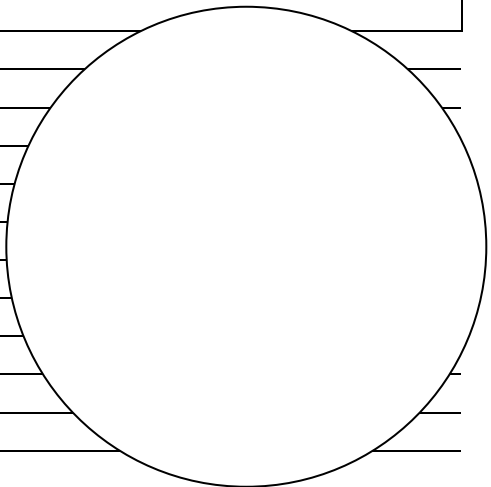
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Tougher / Large=Tougher

MESSIER OBSERVATION LOG: M84

Observer:

Date:

Time:

OBJECT

Name: **NGC4374, UGC7494**

Object: **M84**

R.A.: **12h 25m 04s**

Dec: **12° 53' 12"**

Magnitude: **10.2**

Type: **Galaxy**

Const: **Vir**

Size: **6.7x6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M85

Observer:

Date:

Time:

OBJECT

Name: **NGC4382,UGC7508**

Object: **M85**

R.A.: **12h 25m 24s**

Dec: **18° 11' 27"**

Magnitude: **10**

Type: **Galaxy**

Const: **Com**

Size: **7.4x5.9**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

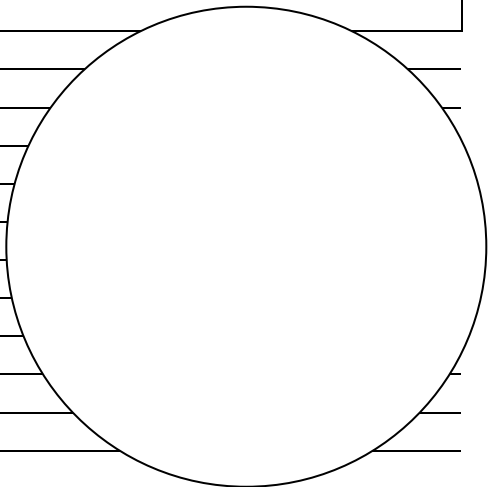
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M86

Observer:

Date:

Time:

OBJECT

Name: **NGC4406,UGC7532**

Object: **M86**

R.A.: **12h 26m 12s**

Dec: **12° 56' 46"**

Magnitude: **9.9**

Type: **Galaxy**

Const: **Vir**

Size: **9.8x6.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

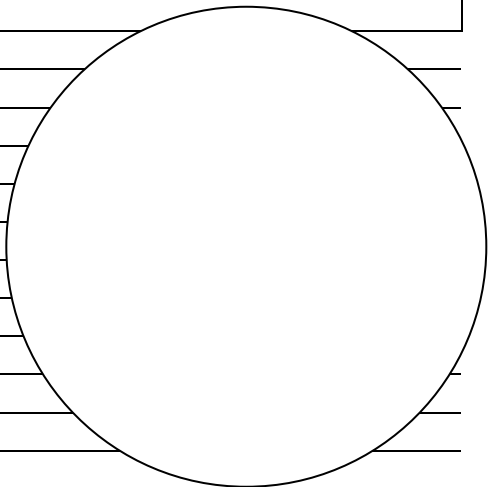
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M87

Observer:

Date:

Time:

OBJECT

Name: **Smoking Gun**

Object: **M87**

R.A.: **12h 30m 49s**

Dec: **12° 23' 27"**

Magnitude: **9.6**

Type: **Galaxy**

Const: **Vir**

Size: **8.7x6.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

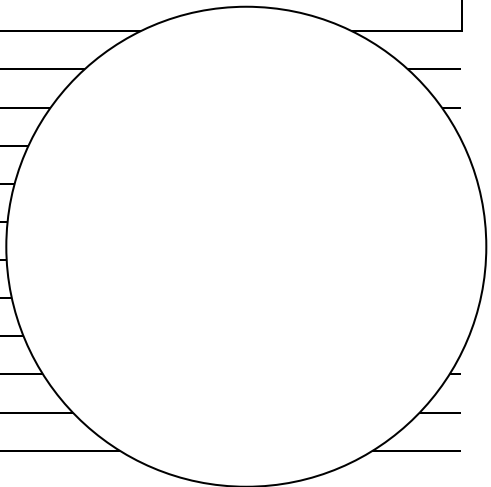
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Tougher

MESSIER OBSERVATION LOG: M88

Observer:

Date:

Time:

OBJECT

Name: **NGC4501,UGC7675**

Object: **M88**

R.A.: **12h 31m 59s**

Dec: **14° 25' 12"**

Magnitude: **10.2**

Type: **Galaxy**

Const: **Com**

Size: **6.8x3.7**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

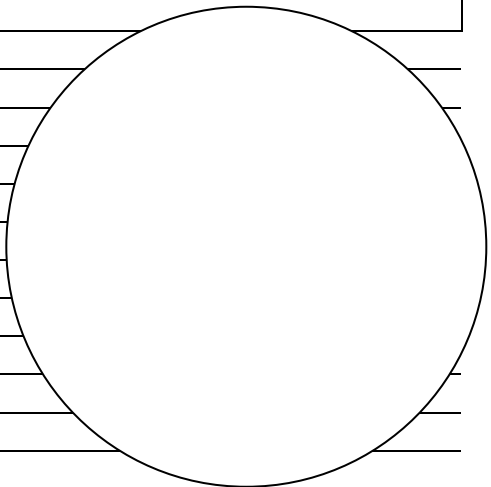
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M89

Observer:

Date:

Time:

OBJECT

Name: **NGC4552,UGC7760**

Object: **M89**

R.A.: **12h 35m 40s**

Dec: **12° 33' 23"**

Magnitude: **10.9**

Type: **Galaxy**

Const: **Vir**

Size: **5.3x4.8**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

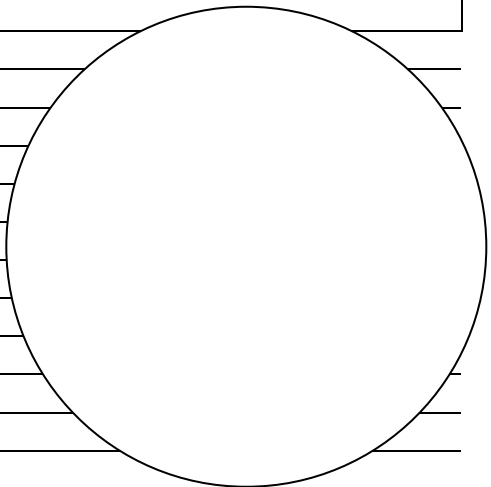
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M91

Observer:

Date:

Time:

OBJECT

Name: **Missing Messier Object**

Object: **M91**

R.A.: **12h 35m 27s**

Dec: **14° 29' 47"**

Magnitude: **10.9**

Type: **Galaxy**

Const: **Com**

Size: **5.2x4.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

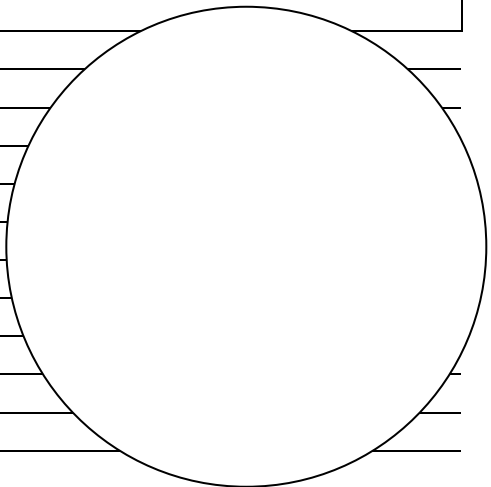
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M92

Observer:

Date:

Time:

OBJECT

Name: **NGC6341**

Object: **M92**

R.A.: **17h 17m 07s**

Dec: **43° 08' 11"**

Magnitude: **7.5**

Type: **Globular Cluster**

Const: **Her**

Size: **11.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

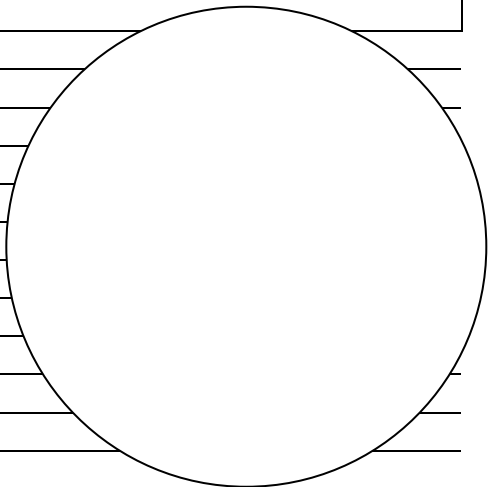
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M93

Observer:

Date:

Time:

OBJECT

Name: **NGC2447**

Object: **M93**

R.A.: **07h 44m 30s**

Dec: **-23° 51' 24"**

Magnitude: **6.5**

Type: **Open Cluster**

Const: **Pup**

Size: **22**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

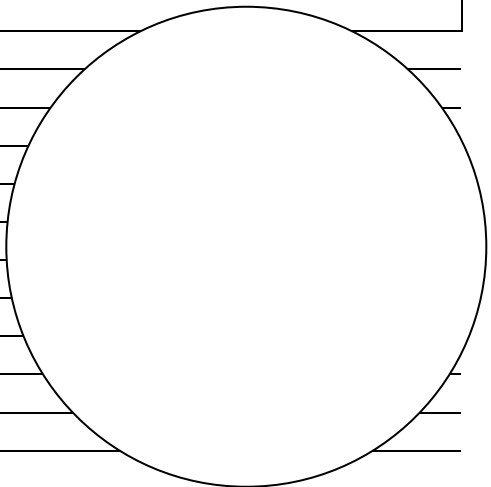
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:EX / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M94

Observer:

Date:

Time:

OBJECT

Name: **Croc's Eye Galaxy**

Object: **M94**

R.A.: **12h 50m 53s**

Dec: **41° 07' 12"**

Magnitude: **8.9**

Type: **Galaxy**

Const: **CVn**

Size: **12.3x10.8**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M95

Observer:

Date:

Time:

OBJECT

Name: **NGC3351,UGC5850**

Object: **M95**

R.A.: **10h 43m 58s**

Dec: **11° 42' 13"**

Magnitude: **10.6**

Type: **Galaxy**

Const: **Leo**

Size: **7.3x4.4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

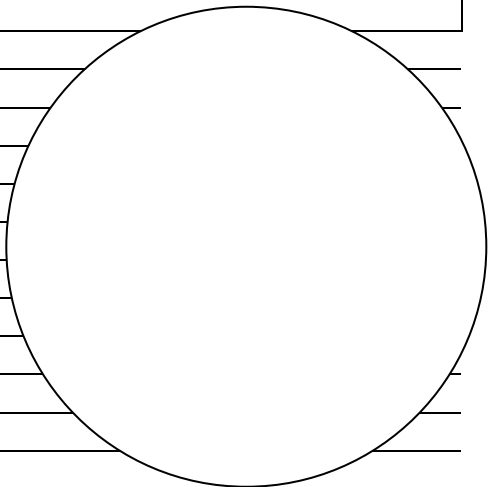
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M96

Observer:

Date:

Time:

OBJECT

Name: **NGC3368,UGC5882**

Object: **M96**

R.A.: **10h 46m 46s**

Dec: **11° 49' 12"**

Magnitude: **10.1**

Type: **Galaxy**

Const: **Leo**

Size: **7.8x5.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

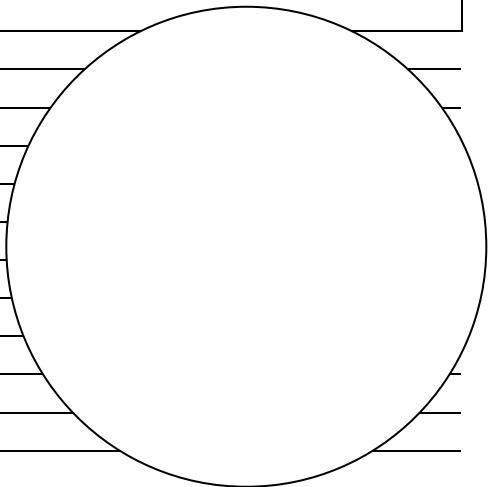
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M97

Observer: _____

Date: _____

Time: _____

OBJECT

Name: **Owl Nebula**
 Object: **M97**
 R.A.: **11h 14m 48s** Dec: **55° 01' 08"** Magnitude: **12**
 Type: **Pneb** Const: **UMa** Size: **3.2**

SITE

Location: _____
 Latitude: _____ Longitude: _____ Elevation: _____

SKY

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

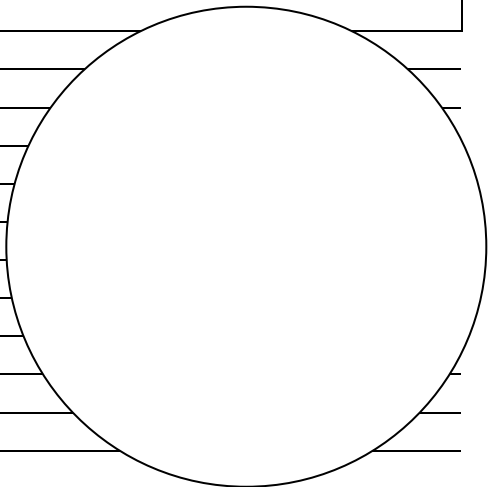
TELESCOPE

OTA: _____ FL: _____ *f/* _____ Type: _____ Mount: _____
 Slew Control: Manual GoTo PC Other Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece: _____ FOV: _____ Type: _____ Barlow: _____ Net Mag: _____
 Camera: _____ Type: CCD Film Other ASA: _____ Guider: _____
 Exp time: _____ Exp count: _____ Dark frame: _____ Bias frame: _____ Edit SW: _____

OBSERVATIONS



Indicate NORTH with arrow

NOTES

Rating:FR / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M98

Observer:

Date:

Time:

OBJECT

Name: **NGC4192,UGC7231**

Object: **M98**

R.A.: **12h 13m 48s**

Dec: **14° 54' 01"**

Magnitude: **10.9**

Type: **Galaxy**

Const: **Com**

Size: **9.4x2.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

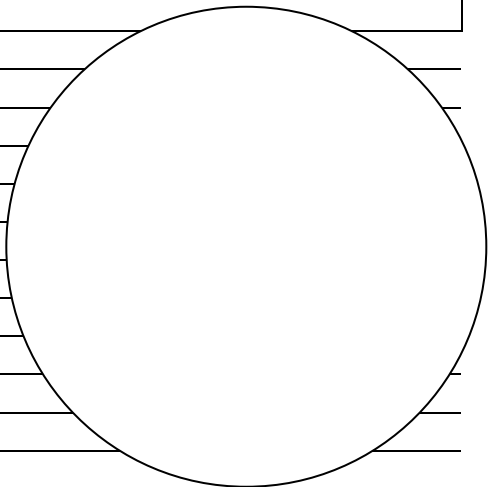
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / NOT VISIBLE WITH BINOCULARS

MESSIER OBSERVATION LOG: M99

Observer:

Date:

Time:

OBJECT

Name: **Virgo Cluster**

Object: **M99**

R.A.: **12h 18m 50s**

Dec: **14° 25' 01"**

Magnitude: **10.4**

Type: **Galaxy**

Const: **Com**

Size: **5.3x4.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

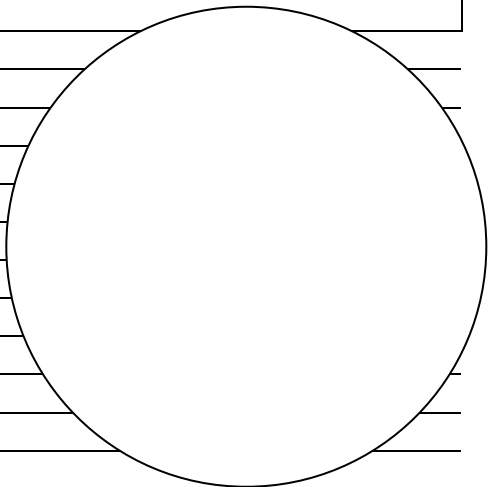
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M100

Observer:

Date:

Time:

OBJECT

Name: **Mirror of M99**

Object: **M100**

R.A.: **12h 22m 55s**

Dec: **15° 49' 21"**

Magnitude: **10.1**

Type: **Galaxy**

Const: **Com**

Size: **7.5x6.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

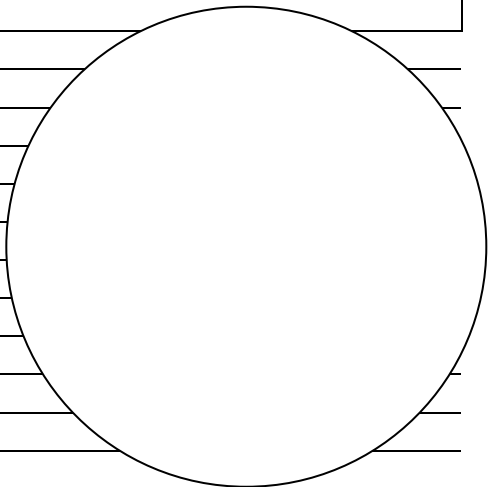
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M101

Observer:

Date:

Time:

OBJECT

Name: **Pinwheel Galaxy**

Object: **M101**

R.A.: **14h 03m 13s**

Dec: **54° 20' 56"**

Magnitude: **8.2**

Type: **Galaxy**

Const: **UMa**

Size: **28.5x28.3**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

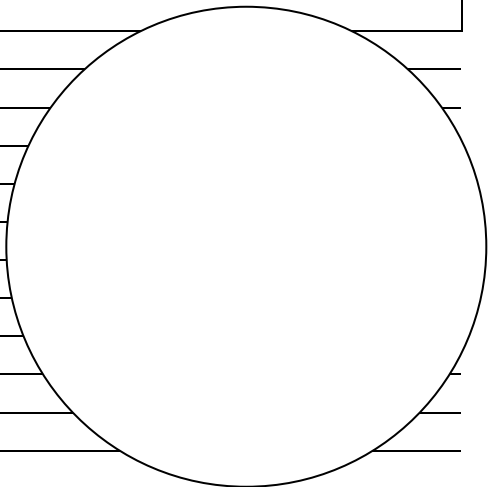
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M102

Observer:

Date:

Time:

OBJECT

Name: **Spindle Galaxy**

Object: **M102**

R.A.: **15h 06m 30s**

Dec: **55° 45' 47"**

Magnitude: **10.8**

Type: **Galaxy**

Const: **Dra**

Size: **6.5x3.1**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

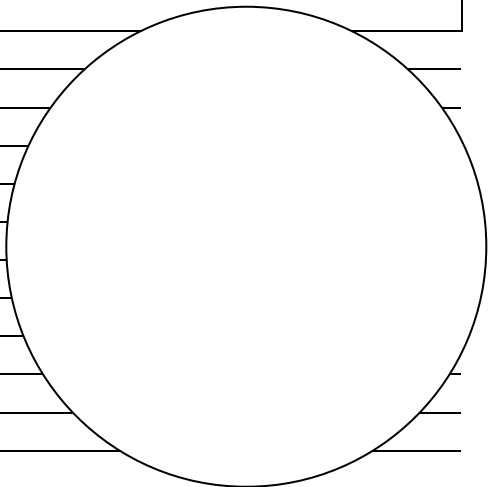
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:FR / Binocular: Small=NA / Large=Tougher

MESSIER OBSERVATION LOG: M103

Observer:

Date:

Time:

OBJECT

Name: **NGC581**

Object: **M103**

R.A.: **01h 33m 23s**

Dec: **60° 39' 00"**

Magnitude: **7**

Type: **Open Cluster**

Const: **Cas**

Size: **6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

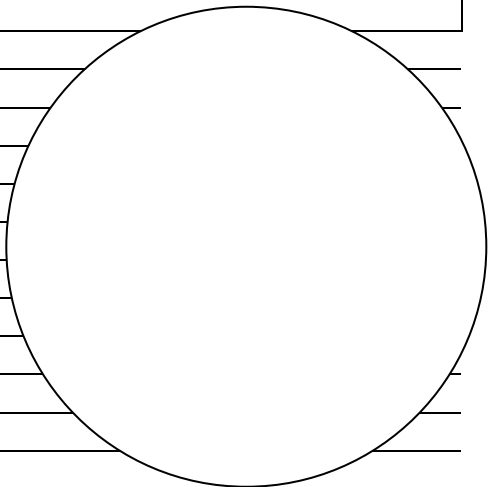
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Easy / Large=Easy

MESSIER OBSERVATION LOG: M104

Observer:

Date:

Time:

OBJECT

Name: **Sombrero Galaxy**

Object: **M104**

R.A.: **12h 39m 59s**

Dec: **-11° 37' 23"**

Magnitude: **9.2**

Type: **Galaxy**

Const: **Vir**

Size: **8.6x4.2**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

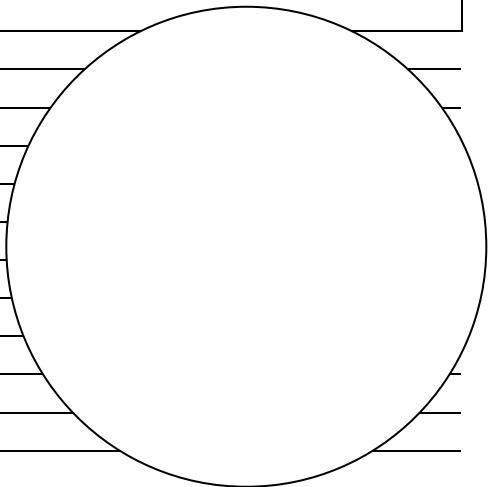
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M105

Observer:

Date:

Time:

OBJECT

Name: **NGC3379,UGC5902**

Object: **M105**

R.A.: **10h 47m 50s**

Dec: **12° 34' 55"**

Magnitude: **10.5**

Type: **Galaxy**

Const: **Leo**

Size: **5.3x4.8**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

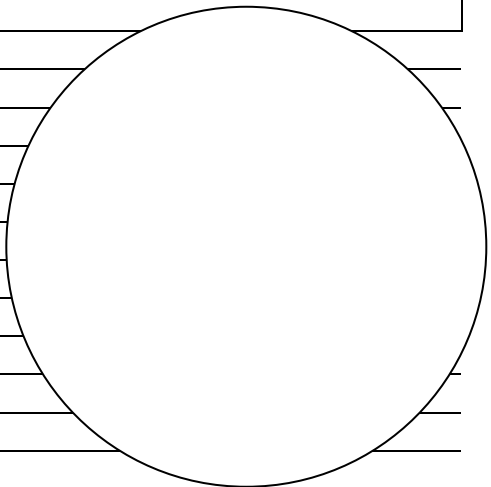
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M106

Observer:

Date:

Time:

OBJECT

Name: **NGC4258,UGC7353**

Object: **M106**

R.A.: **12h 18m 58s**

Dec: **47° 18' 16"**

Magnitude: **9.1**

Type: **Galaxy**

Const: **CVn**

Size: **17.4x6.6**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

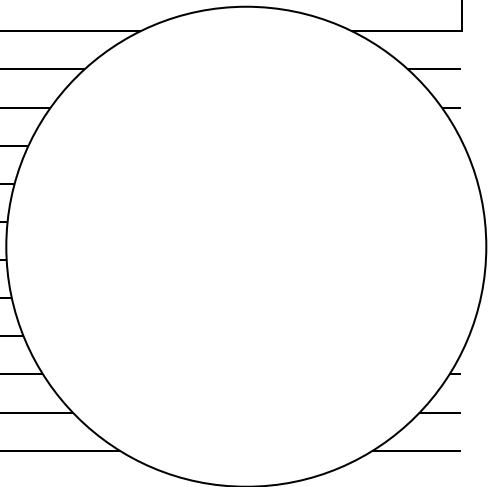
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=Challenge / Large=Tougher

MESSIER OBSERVATION LOG: M107

Observer:

Date:

Time:

OBJECT

Name: **NGC6171**

Object: **M107**

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

Dec: **-13° 03' 11"**

Magnitude: **10**

Type: **Globular Cluster**

Const: **Oph**

Size: **10**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

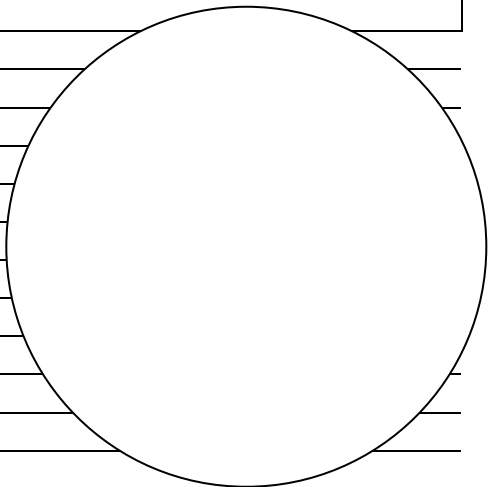
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M109

Observer:

Date:

Time:

OBJECT

Name: **NGC3992,UGC6937**

Object: **M109**

R.A.: **11h 57m 36s**

Dec: **53° 22' 29"**

Magnitude: **10.6**

Type: **Galaxy**

Const: **UMa**

Size: **7.5x4.4**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

Rating:GD / Binocular: Small=NA / Large=Challenge

MESSIER OBSERVATION LOG: M110

Observer:

Date:

Time:

OBJECT

Name: **Satellite Of Andromeda Galaxy**

Object: **M110**

R.A.: **00h 40m 22s**

Dec: **41° 41' 07"**

Magnitude: **8.9**

Type: **Galaxy**

Const: **And**

Size: **19.5x11.5**

SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control: Manual GoTo PC Other

Nav Aid: Charts GoTo PC Other

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera: Type: CCD Film Other

ASA:

Guider:

Exp time:

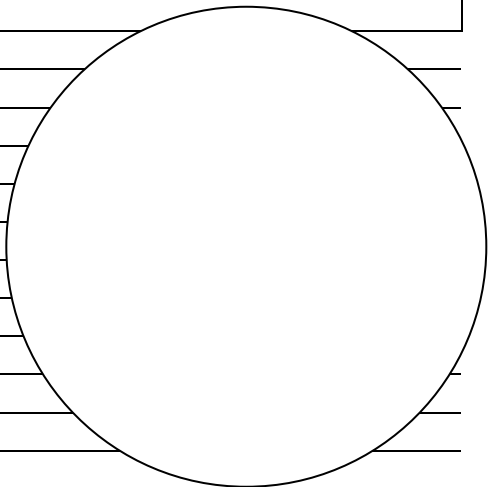
Exp count:

Dark frame:

Bias frame:

Edit SW:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Rating: VG / Binocular: Small=NA / Large=Challenge