

NAKED EYE OBJECT 0001

NGC771, 50 Cassiopeiae

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC771, 50 Cassiopeiae**

R.A.: **02h03m26s**

Dec: **72°25'16"**

Const: **Cas**

Type: **STR**

Magnitude: **4**

Size: **N/A**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

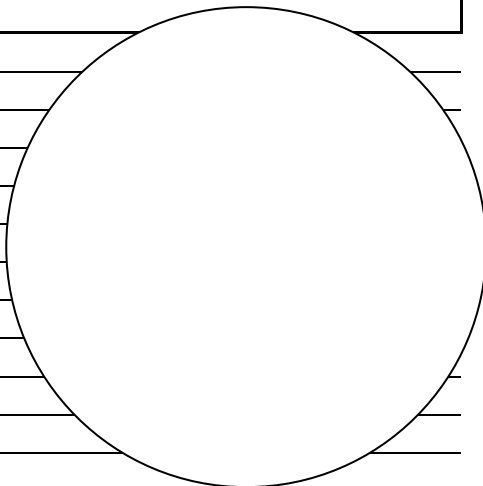
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

50 Cassiopeiae is a STAR in the constellation Cassiopeia. In the past, it was misidentified as a nebula, and given the number NGC 771.

PSA chart 1.



NAKED EYE OBJECT 0003

NGC884

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC884**

R.A.: **02h22m18s**

Type: **OCL**

Dec: **57°08'12"**

Magnitude: **4**

Const: **Per**

Size: **30**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

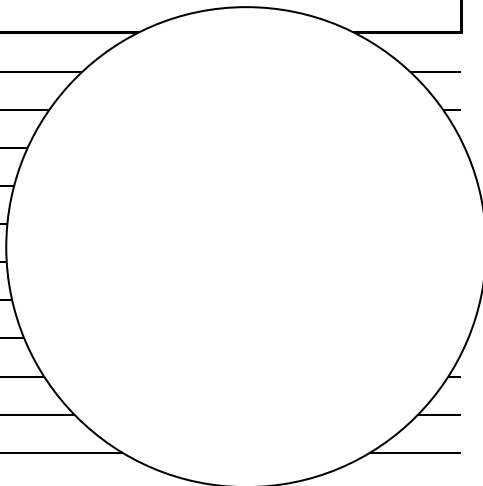
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 2.



NAKED EYE OBJECT 0004

NGC869

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC869**

R.A.: **02h19m00s**

Type: **OCL**

Dec: **57°07'42"**

Magnitude: **4**

Const: **Per**

Size: **30**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

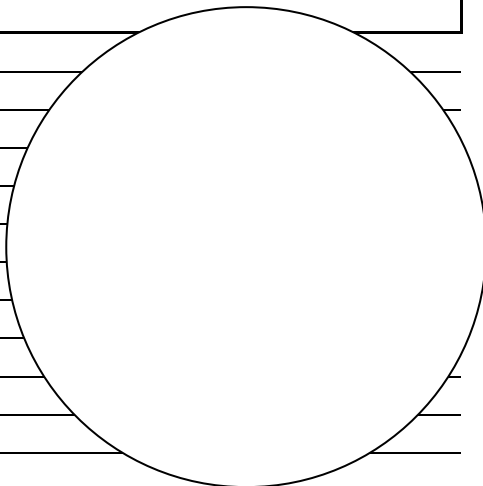
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 2.



NAKED EYE OBJECT 0005

NGC7686

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC7686**

R.A.: **23h30m07s**

Type: **OCL**

Dec: **49°08'00"**

Magnitude: **5.6**

Const: **And**

Size: **15**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

A large open cluster with about 30 stars visible, one a bright red star in the middle. Trace a triangle with M31 at the southwest corner, Beta Cassiopeia at northwest; NGC7686 is the easternmost point.
PSA chart 3.



NAKED EYE OBJECT 0006 NGC7092, M39

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC7092, M39**

R.A.: **21h31m42s**

Dec: **48°25'00"**

Const: **Cyg**

Type: **OCL**

Magnitude: **5.5**

Size: **32**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

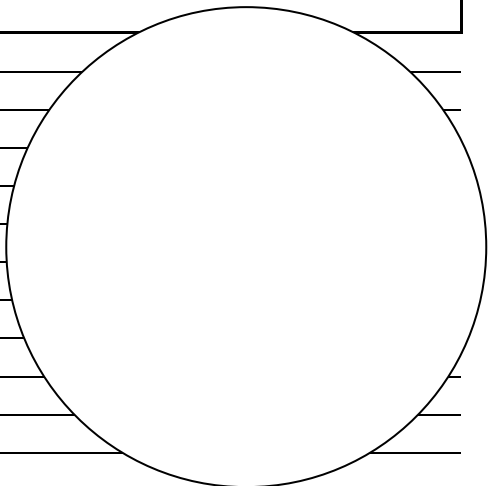
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 62.



NAKED EYE OBJECT 0007

NGC1039, M34

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC1039, M34**

R.A.: **02h42m05s**

Dec: **42°45'42"**

Const: **Per**

Type: **OCL**

Magnitude: **5.2**

Size: **35**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Open cluster M34 can be found just north of the line from Algol (Beta Persei) to Gamma Andromedae. It is resolved into stars with binoculars. The brightest stars form a distorted "X" or three distinctly curved arms, radiating out from the center. About 20 brighter stars, filling a 10' area, are surrounded by a larger number of fainter outlying members. PSA chart 2.



NAKED EYE OBJECT 0009

NGC752

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC752**

R.A.: **01h57m41s**

Type: **OCL**

Dec: **37°47'06"**

Magnitude: **5.7**

Const: **And**

Size: **50**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

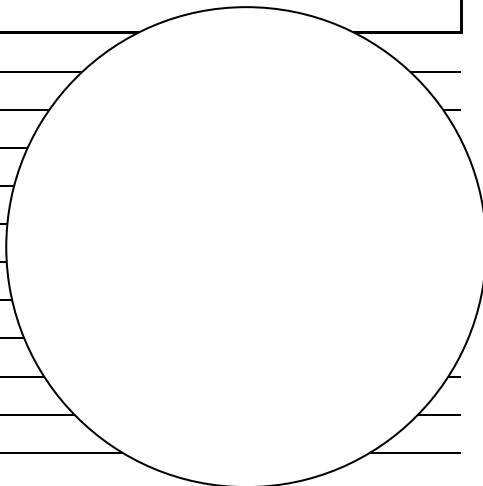
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

A bright open cluster, contains 70-80 stars. Found just south of Almaak (Gamma Andromedae).
PSA chart 2.



NAKED EYE OBJECT 0010

NGC6205, M13, Hercules Cluster

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6205, M13, Hercules Cluster**

R.A.: **16h41m41s**

Dec: **36°27'35"**

Const: **Her**

Type: **GCL**

Magnitude: **5.9**

Size: **16.6**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/
Navigation Aid:

Type:

Mount:

Slew Control:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

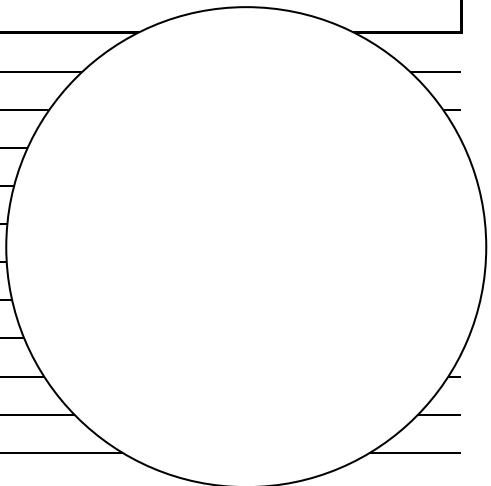
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Messier 13, the 'Great globular cluster in Hercules', is one of the best known globulars of the Northern sky. In 1714 Edmond Halley noted 'It shows itself to the naked eye when the sky is serene and the Moon absent.'
PSA chart 52.



NAKED EYE OBJECT 0012

NGC598, M33, Triangulum Galaxy

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC598, M33, Triangulum Galaxy**

R.A.: **01h33m51s**

Dec: **30°39'37"**

Const: **Tri**

Type: **GXY**

Magnitude: **5.7**

Size: **62**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

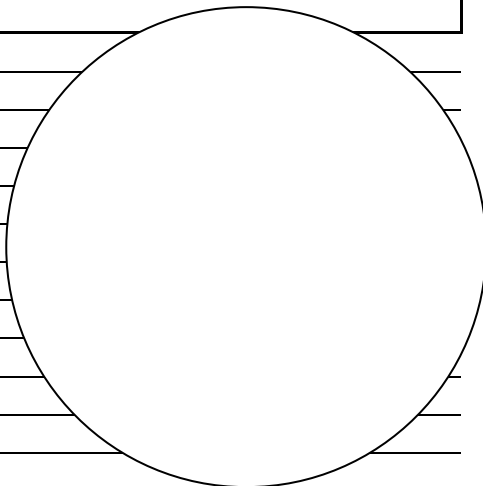
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

The Triangulum Galaxy is a member of the Local Group of galaxies, but is small compared to its larger neighbors, the Andromeda galaxy M31, and the Milky Way galaxy, but of average size for spiral galaxies in the universe. M33 is approaching our Solar System at 179 - 182 km/s. PSA chart 4-5.



NAKED EYE OBJECT 0016

NGC6633

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6633**

R.A.: **18h27m15s**

Type: **OCL**

Dec: **06°30'30"**

Magnitude: **4.6**

Const: **Oph**

Size: **27**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 65.



NAKED EYE OBJECT 0017

NGC5904

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC5904**

R.A.: **15h18m33s**

Type: **GCL**

Dec: **02°04'57"**

Magnitude: **5.8**

Const: **Ser**

Size: **17.4**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 55.



NAKED EYE OBJECT 0019

NGC1976, M42, Great Orion Nebula

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC1976, M42, Great Orion Nebula**

R.A.: **05h35m16s**

Dec: **-05°23'25"**

Const: **Ori**

Type: **OCL + DNE**

Magnitude: **4**

Size: **66**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/*l*

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

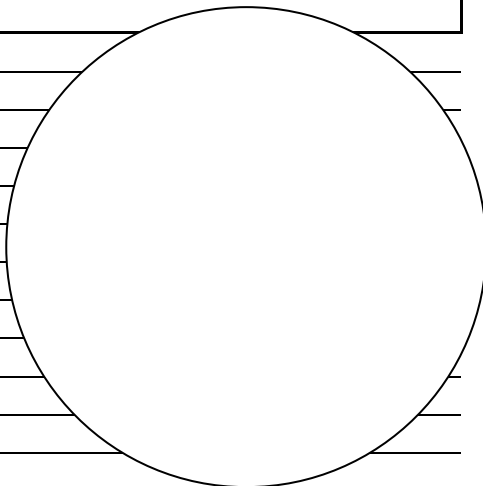
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 16.



NAKED EYE OBJECT 0022

NGC2422, M47

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC2422, M47**

R.A.: **07h36m35s**

Type: **OCL**

Dec: **-14°29'00"**

Magnitude: **4.5**

Const: **Pup**

Size: **30**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

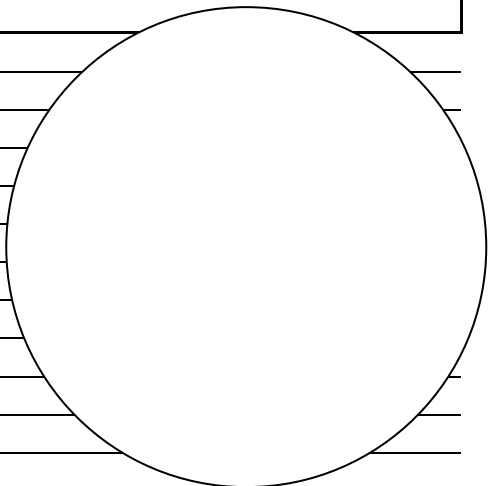
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 27.



NAKED EYE OBJECT 0023

NGC6603, M24, Sagittarius Star Cloud

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6603, M24, Sagittarius Star Cloud**

R.A.: **18h18m26s**

Dec: **-18°24'24"**

Const: **Sgr**

Type: **OCL**

Magnitude: **4.5**

Size: **80**

x35

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

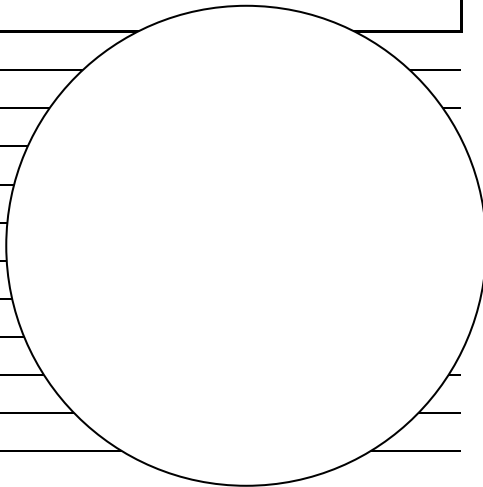
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0024

NGC6494

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6494**

R.A.: **17h57m04s**

Type: **OCL**

Dec: **-18°59'06''**

Magnitude: **5.5**

Const: **Sgr**

Size: **27**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

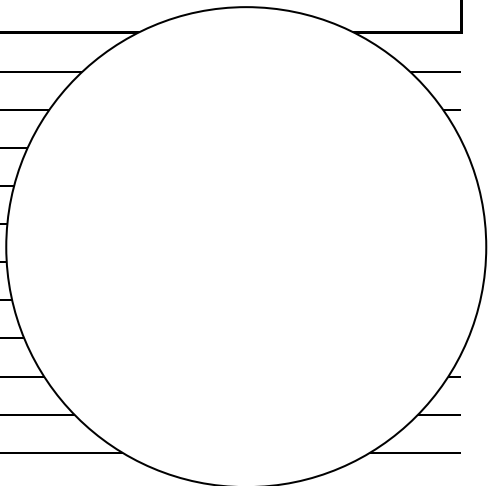
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0026

NGC6531

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6531**

R.A.: **18h04m13s**

Type: **OCL**

Dec: **-22°29'24"**

Magnitude: **5.9**

Const: **Sgr**

Size: **13**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

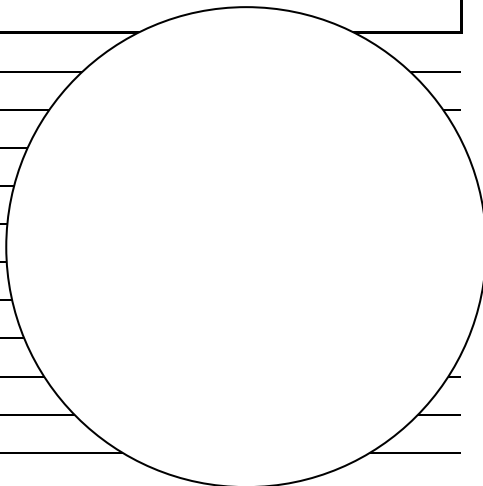
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0027

NGC6514, M20, Trifid Nebula

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6514, M20, Trifid Nebula**

R.A.: **18h02m42s**

Dec: **-22°58'18"**

Const: **Sgr**

Type: **OCL + DNE**

Magnitude: **5**

Size: **29**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

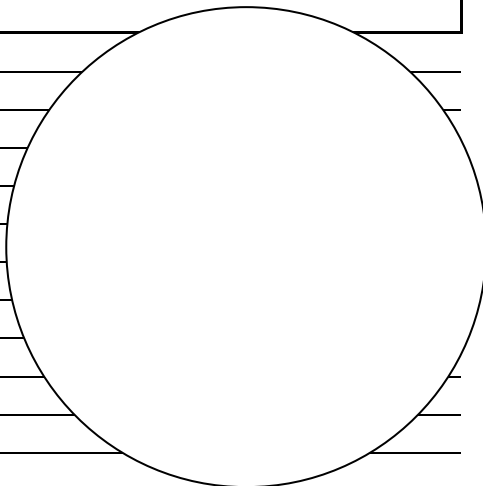
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0028

NGC6656

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6656**
 R.A.: **18h36m24s**
 Type: **GCL**

Dec: **-23°54'17"**
 Magnitude: **5.1**

Const: **Sgr**
 Size: **24**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:
 Seeing:

Wind Speed:
 Wind Dir:

Temperature:
 Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0030
NGC6523, M8, Lagoon Nebula

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6523, M8, Lagoon Nebula**

R.A.: **18h03m41s**

Dec: **-24°22'48"**

Const: **Sgr**

Type: **OCL + DNE**

Magnitude: **5**

Size: **90**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/
Navigation Aid:

Type:

Mount:

Slew Control:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 67.



NAKED EYE OBJECT 0031
NGC6121

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6121**
R.A.: **16h23m35s**
Type: **GCL**

Dec: **-26°31'35"**
Magnitude: **5.9**

Const: **Sco**
Size: **26.3**

OBSERVING SITE

Location:
Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:
Seeing:

Wind Speed:
Wind Dir:

Temperature:
Humidity:

TELESCOPE

OTA:
Slew Control:

FL: *f/*
Navigation Aid:

Type: Mount:

IMAGER

Eyepiece:
Camera:
Exp time:

Type:
Exp count:

FOV:
Dark frame:

Type:
ASA:
Bias frame:

Barlow:
Guider:
Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 56.



NAKED EYE OBJECT 0033

NGC6416

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6416**

R.A.: **17h44m19s**

Type: **OCL**

Dec: **-32°21'42''**

Magnitude: **5.7**

Const: **Sco**

Size: **18**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

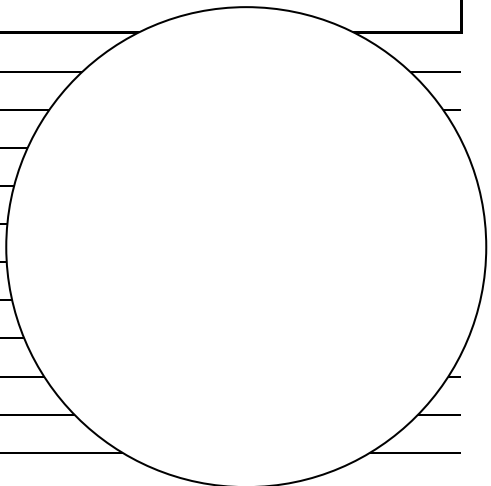
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 58.



NAKED EYE OBJECT 0036

NGC6281

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6281**

R.A.: **17h04m41s**

Type: **OCL**

Dec: **-37°59'06''**

Magnitude: **5.4**

Const: **Sco**

Size: **60**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

PSA chart 58.



NAKED EYE OBJECT 0037

NGC6124

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6124**

R.A.: **16h25m20s**

Type: **OCL**

Dec: **-40°39'12"**

Magnitude: **5.8**

Const: **Sco**

Size: **29**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

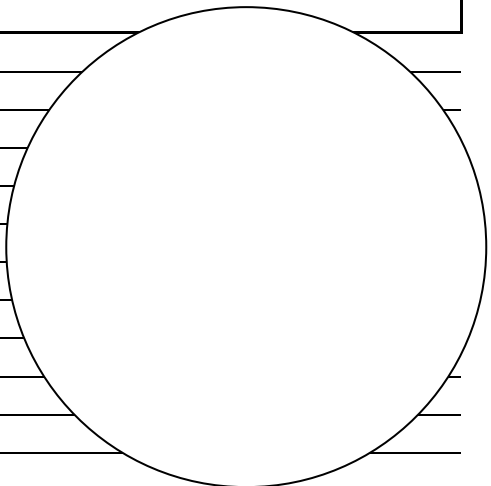
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS



Indicate NORTH with arrow

NOTES

PSA chart 58.



NAKED EYE OBJECT 0038

NGC6231

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6231**

R.A.: **16h54m10s**

Type: **OCL**

Dec: **-41°49'30"**

Magnitude: **2.6**

Const: **Sco**

Size: **15**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

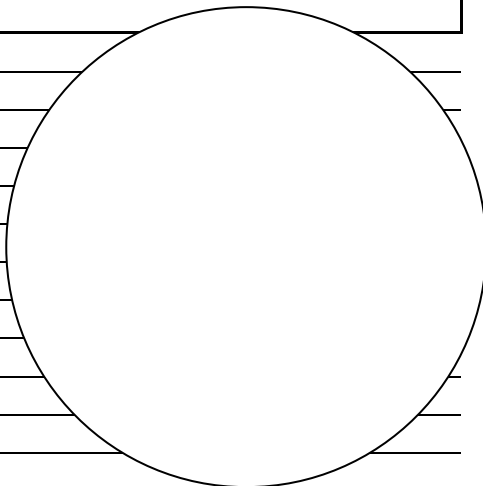
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 58.



NAKED EYE OBJECT 0040

NGC5139, Omega Centauri

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC5139, Omega Centauri**

R.A.: **13h26m47s**

Dec: **-47°28'53''**

Const: **Cen**

Type: **GCL**

Magnitude: **3.7**

Size: **36.3**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Wind Speed:

Temperature:

Seeing:

Wind Dir:

Humidity:

TELESCOPE

OTA:

FL:

f/
Navigation Aid:

Type:

Mount:

Slew Control:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

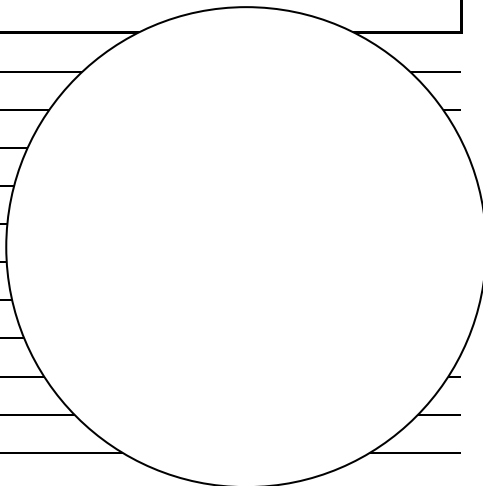
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

Omega Centauri or NGC 5139 is a globular cluster in the constellation of Centaurus, discovered by Edmond Halley in 1677 who listed it as a nebula. It was first recognized as a globular cluster by the English astronomer John William Herschel in the 1830s. It is both the brightest and the largest known globular cluster associated with our galaxy, located about 15,800 light-years from Earth. It contains several million stars, those in its center so crowded that they are estimated to average only 0.1 light years away from each other. It is about 12 billion years old. Omega Centauri is one of the few globular clusters visible to the naked eye and appears about as large as the full Moon. PSA chart 48-49.



NAKED EYE OBJECT 0044

NGC6397

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6397**

R.A.: **17h40m42s**

Type: **GCL**

Dec: **-53°40'26''**

Magnitude: **5.7**

Const: **Ara**

Size: **25.7**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

This conspicuous globular is one of the two nearest to us (7,200 light years); currently it seems that M4 is a bit closer. NGC 6397 is one of the at least 20 globulars of our Milky Way Galaxy which have undergone a core collapse, i.e. its core has contracted to a very dense stellar agglomeration.
PSA chart 58.



NAKED EYE OBJECT 0047

NGC6087

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6087**

R.A.: **16h18m50s**

Type: **OCL**

Dec: **-57°56'06"**

Magnitude: **5.4**

Const: **Nor**

Size: **12**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

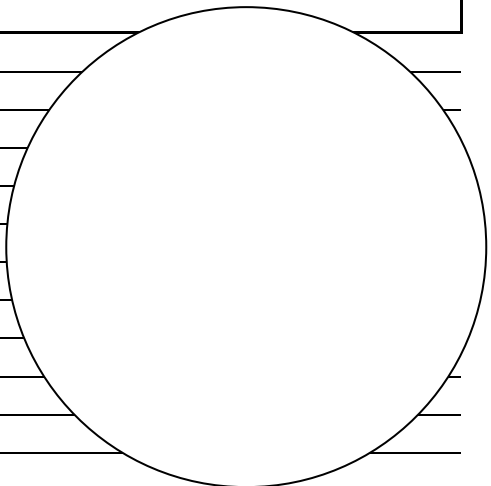
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 58.



NAKED EYE OBJECT 0048

NGC3293

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC3293**

R.A.: **10h35m51s**

Type: **OCL**

Dec: **-58°13'48''**

Magnitude: **4.7**

Const: **Car**

Size: **40**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

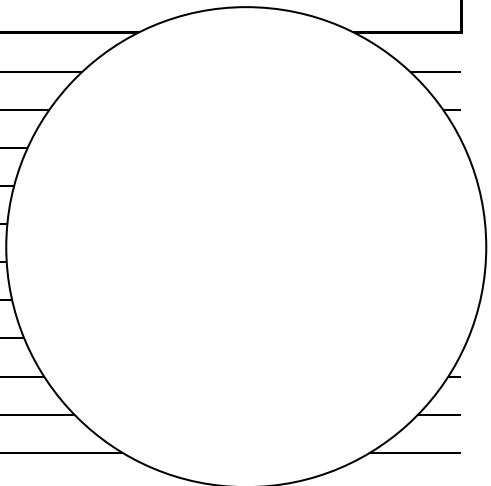
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

NGC 3293 is an open cluster in the Carina constellation. It was discovered by Abbe Lacaille in 1751-52. It consists of more than 50 stars in a 10 arc minutes field, the brightest of which is a red giant of mag 6.5.

PSA chart 38.



NAKED EYE OBJECT 0049

NGC3532

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC3532**

R.A.: **11h05m39s**

Type: **OCL**

Dec: **-58°45'12"**

Magnitude: **3**

Const: **Car**

Size: **55**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

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

Indicate NORTH with arrow

NOTES

NGC 3532 is a large cluster in the Carina region of the southern Milky Way.
PSA chart 40.



NAKED EYE OBJECT 0050

NGC6752

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6752**

R.A.: **19h10m52s**

Type: **GCL**

Dec: **-59°58'56''**

Magnitude: **5.4**

Const: **Pav**

Size: **20**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

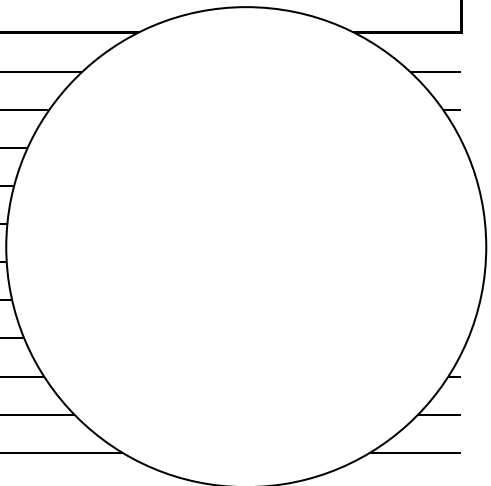
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 70.



NAKED EYE OBJECT 0051

NGC3114

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: NGC3114
R.A.: 10h02m36s
Type: OCL

Dec: -60°07'12"
Magnitude: 4.2

Const: Car
Size: 35

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:
 Seeing:

Wind Speed:
 Wind Dir:

Temperature:
 Humidity:

TELESCOPE

OTA:

FL:

f/

Type:

Mount:

Slew Control:

Navigation Aid:

IMAGER

Eyepiece:

FOV:

Type:

Barlow:

Net Mag:

Camera:

Type:

ASA:

Guider:

Exp time:

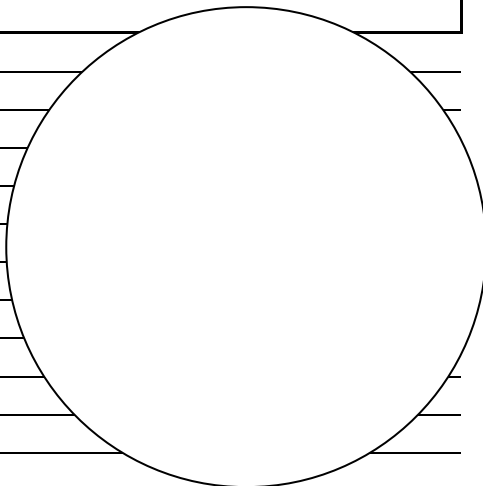
Exp count:

Dark frame:

Bias frame:

Software:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

NGC 3114 is a sparse open cluster projected to the outskirts of the Carina complex. Due to the high number of field stars in the vicinity making its size ambiguous, it is a difficult object to observe.
 PSA chart 39.



NAKED EYE OBJECT 0052

NGC4755

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC4755**

R.A.: **12h53m39s**

Type: **OCL**

Dec: **-60°21'42''**

Magnitude: **4.2**

Const: **Cru**

Size: **10**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/
Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

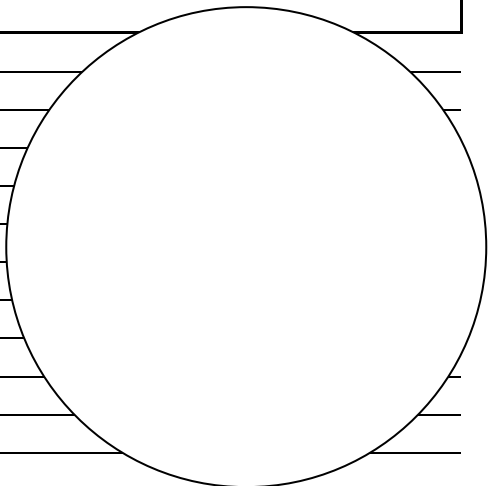
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

PSA chart 50.



NAKED EYE OBJECT 0053

NGC6025

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC6025**

R.A.: **16h03m17s**

Type: **OCL**

Dec: **-60°25'54''**

Magnitude: **5.1**

Const: **TrA**

Size: **12**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Observation notes area with a large circular diagram for field of view or similar. The diagram is a large circle with a smaller circle inside it, and a line connecting them. The text "Indicate NORTH with arrow" is located below the diagram.

Indicate NORTH with arrow

NOTES

PSA chart 59.



NAKED EYE OBJECT 0054

NGC2516

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC2516**

R.A.: **07h58m04s**

Type: **OCL**

Dec: **-60°45'12"**

Magnitude: **3.8**

Const: **Car**

Size: **30**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

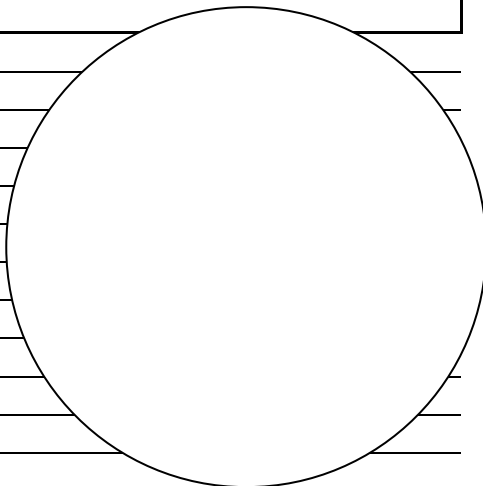
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

NGC 2516 (Caldwell catalog C96) is an open cluster in the constellation Carina near Volans. Discovered by Abbe Lacaille in 1751-1752. Also known as The Diamond Cluster because of its stellar clarity. The cluster itself is easily visible with the naked eye from dark skies but binoculars will yield a much better view. The Diamond Cluster contains two 5th magnitude red giants and three double stars.
PSA chart 30.



NAKED EYE OBJECT 0055

NGC3766

OBSERVATION LOG

Observer:

Date:

Time:

OBJECT

Name: **NGC3766**

R.A.: **11h36m14s**

Type: **OCL**

Dec: **-61°36'30"**

Magnitude: **5.3**

Const: **Cen**

Size: **12**

OBSERVING SITE

Location:

Latitude:

Longitude:

Elevation:

SKY

Darkness/SQM:

Seeing:

Wind Speed:

Wind Dir:

Temperature:

Humidity:

TELESCOPE

OTA:

Slew Control:

FL:

f/

Navigation Aid:

Type:

Mount:

IMAGER

Eyepiece:

Camera:

Exp time:

Type:

Exp count:

FOV:

Dark frame:

Type:

ASA:

Bias frame:

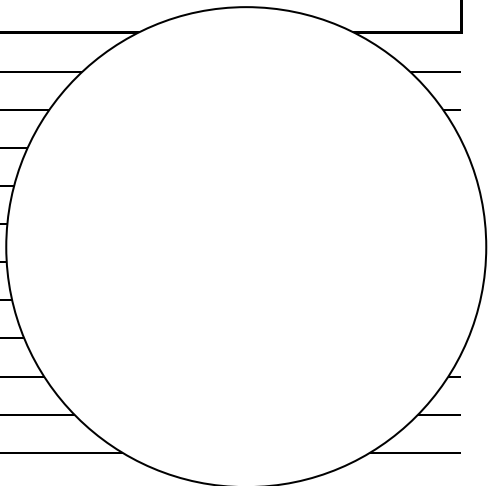
Barlow:

Guider:

Software:

Net Mag:

OBSERVATIONS

Indicate NORTH with arrow

NOTES

NGC 3766, the Pearl Cluster, is an open star cluster in the constellation Centaurus, visible in the Southern hemisphere. It was discovered by Abbe Lacaille in 1751-1752.

PSA chart 40.



