# Stargazer's Caldwell Log

For astronomical notes and sketches

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Agnes Clarke

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257

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Ursa Minor
Polaris
Alrai

object

Caldwell 1

observer

date

time

telescope

eyepiece

magnitude

8.1

seeing

n.e.l.m.

field size

filter

Caldwell 1 (Polarissima Cluster) is a mag. 8.1 Open Cluster

Alrai
Cepheu
Segin
Cassiopeia
gam Cas
Caph

object

Caldwell 2

observer

date

time

telescope

eyepiece

magnitude

11.6

seeing

n.e.l.m.

field size

filter

Caldwell 2 (Bow Tie Nebula) is a mag. 11.6 Planetary Nebula

Ursa Minor
Kochab
Dubh
Megrez
Alioth
Ursa Major

object
Caldwell 3
observer
date
time
telescope
eyepiece
magnitude
9.7
seeing
n.e.l.m.

field size
filter

Caldwell 3 (NGC 4236) is a mag. 9.7 Barred Spiral Galaxy

Alrai
Cepheus
Alphirk
Alderamin

object

Caldwell 4

observer

date

time

telescope

eyepiece

magnitude

6.8

seeing

n.e.l.m.

field size

filter

Caldwell 4 (Iris Nebula) is a mag. 6.8 Bright Nebula

Camelopardalis
gam Per

object
Caldwell 5
observer
date
time
telescope
eyepiece
magnitude
9.2
seeing
n.e.l.m.

field size
filter

Caldwell 5 (Maffei 1 Group) is a mag. 9.2 Spiral Galaxy

Altais
Nod
Draco
Alwaid

object

Caldwell 6

observer

date

time

telescope

eyepiece

magnitude

8.8

seeing

n.e.l.m.

field size

filter

Caldwell 6 (Cat's Eye Nebula) is a mag. 8.8 Planetary Nebula

omi UMa
Lynx

object

Caldwell 7

observer

date

time

telescope

eyepiece

magnitude

8.9

seeing

n.e.l.m.

field size

filter

Caldwell 7 (NGC 2403) is a mag. 8.9 Spiral Galaxy

rdalis
Segin
Cassiopeia
gam Cas
Rukba
Schedar
r

object

Caldwell 8

observer

date

time

telescope

eyepiece

magnitude

9.5

seeing

n.e.l.m.

field size

filter

Caldwell 8 (NGC 559) is a mag. 9.5 Open Cluster

Alphirk
Cepheus
Caph

object

Caldwell 9

observer

date

time

telescope

eyepiece

magnitude

7.7

seeing

n.e.l.m.

field size

filter

Caldwell 9 (Cave Nebula) is a mag. 7.7 Bright Nebula

pardalis
Segin
Cassiopeia
gam Cas
Rukba
Sch
am Per

object

Caldwell 10

observer

date

time

telescope

eyepiece

magnitude

7.1

seeing

n.e.l.m.

field size

filter

Caldwell 10 (NGC 663) is a mag. 7.1 Open Cluster

Alp
Cepheus
opeia
gam Cas
Caph
Schedar
Lac

object

Caldwell 11

observer

date

time

telescope

eyepiece

magnitude

7.0

seeing

n.e.l.m.

field size

filter

Caldwell 11 (Bubble Nebula) is a mag. 7.0 Bright Nebula

neus
Alphirk
Altaïs
Alderamin
Deneb
del

object

Caldwell 12

observer

date

time

telescope

eyepiece

magnitude

9.7

seeing

n.e.l.m.

field size

filter

Caldwell 12 (NGC 6946) is a mag. 9.7 Spiral Galaxy

Segin
Cassiop
Rukba
gam Per
Mirphak
Almach

object
Caldwell 14
observer
date
time
telescope
eyepiece
magnitude
4.3
seeing
n.e.l.m.

field size
filter

Caldwell 14 (Double Cluster) is a mag. 4.3 Open Cluster

Alderamin
Deneb
del Cyg
Sadr
Cygnus

object
Caldwell 15
observer
date
time
telescope
eyepiece
magnitude
9.8
seeing
n.e.l.m.

field size
filter

Caldwell 15 (Blinking Planetary) is a mag. 9.8 Planetary Nebula

Alderamin
Lacerta

object

Caldwell 16

observer

date

time

telescope

eyepiece

magnitude

6.4

seeing

n.e.l.m.

field size

filter

Caldwell 16 (NGC 7243) is a mag. 6.4 Open Cluster

Cassiopeia
gam Cas
Caph
Schedar
Andromeda
Mirach

object

Caldwell 17

observer

date

time

telescope

eyepiece

magnitude

9.3

seeing

n.e.l.m.

field size

filter

Caldwell 17 (NGC 147) is a mag. 9.3 Elliptical Galaxy

Cassiopeia
gam Cas
Caph
Schedar
Andromeda
Mirach

object
Caldwell 18
observer
date
time
telescope
eyepiece
magnitude
9.2
seeing
n.e.l.m.

field size
filter

Caldwell 18 (NGC 185) is a mag. 9.2 Elliptical Galaxy

Lacerta

object

Caldwell 19

observer

date

time

telescope

eyepiece

magnitude

10.0

seeing

n.e.l.m.

field size

filter

Caldwell 19 (Cocoon Nebula) is a mag. 10.0 Bright Nebula

Deneb
Sadr
Gienakh
zet Cyg

object

Caldwell 20

observer

date

time

telescope

eyepiece

magnitude

6.0

seeing

n.e.l.m.

field size

filter

Caldwell 20 (North America Nebula) is a mag. 6.0 Bright Nebula

Megrez
Alioth
Ursa Major
Phecda
id
Canes Venatici
Cor Caroli

object

Caldwell 21

observer

date

time

telescope

eyepiece

magnitude

9.4

seeing

n.e.l.m.

field size

filter

Caldwell 21 (NCG 4449) is a mag. 9.4 Irregular Galaxy

La
Ma
Alpheratz
Seat Alpheras

object

Caldwell 22

observer

date

time

telescope

eyepiece

magnitude

9.2

seeing

n.e.l.m.

field size

filter

Caldwell 22 (Blue Snowball) is a mag. 9.2 Planetary Nebula

gam Per
Mirphak
eus
Algol
Almach
bet Tri
Triangulum

object

Caldwell 23

observer

date

time

telescope

eyepiece

magnitude

9.9

seeing

n.e.l.m.

field size

filter

Caldwell 23 (NGC 891) is a mag. 9.9 Barred Spiral Galaxy

gam Per
Mirphak
del Per
Perseus
Algol
eps Per
zet Per

object
Caldwell 24
observer
date
time
telescope
eyepiece
magnitude
11.6
seeing
n.e.l.m.

field size
filter

Caldwell 24 (Perseus A) is a mag. 11.6 Seyfert Galaxy

Lynx
Castor
Pollux
Gemini

object

Caldwell 25

observer

date

time

telescope

eyepiece

magnitude

10.4

seeing

n.e.l.m.

field size

filter

Caldwell 25 (Intergalactic Wanderer) is a mag. 10.4 Globular Cluster

Canes Venatici
Cor Caroli
ma Berenices

object
Caldwell 26
observer
date
time
telescope
eyepiece
magnitude
10.6
seeing
n.e.l.m.

field size
filter

Caldwell 26 (NGC 4244) is a mag. 10.6 Spiral Galaxy

Deneb
del Cyg
Sadr
Cygnus
Gienakh
yg
Alb
Vulpecula

object

Caldwell 27

observer

date

time

telescope

eyepiece

magnitude

7.5

seeing

n.e.l.m.

field size

filter

Caldwell 27 (Crescent Nebula) is a mag. 7.5 Bright Nebula

Almach
Andr
M
bet Tri
Triangulum
Aries
Hamal

object
Caldwell 28
observer
date
time
telescope
eyepiece
magnitude
5.7
seeing
n.e.l.m.

field size
filter

Caldwell 28 (NGC 752) is a mag. 5.7 Open Cluster

Alkaid
Canes Venatici
Cor Caroli
Coma Berenices

object

Caldwell 29

observer

date

time

telescope

eyepiece

magnitude

9.8

seeing

n.e.l.m.

field size

filter

Caldwell 29 (NGC 5005) is a mag. 9.8 Barred Spiral Galaxy

Lacerta
Matar
Seat Alpheras
Pegasus

object
Caldwell 30
observer
date
time
telescope
eyepiece
magnitude
9.5
seeing
n.e.l.m.

field size
filter

Caldwell 30 (Deer Lick Group) is a mag. 9.5 Barred Spiral Galaxy

Capella
Menkalinan
Hoedus II
Auriga
the Aur
Hassaleh
Alnath
zet Tau

object

Caldwell 31

observer

date

time

telescope

eyepiece

magnitude

6.0

seeing

n.e.l.m.

field size

filter

Caldwell 31 (Flaming Star Nebula) is a mag. 6.0 Bright Nebula

Canes Venatici
Cor Caroli
Coma Berenices

object

Caldwell 32

observer

date

time

telescope

eyepiece

magnitude

9.3

seeing

n.e.l.m.

field size

filter

Caldwell 32 (Whale Galaxy) is a mag. 9.3 Spiral Galaxy

Deneb
Sadr
Cyg
Gienakh
zet Cyg

object

Caldwell 33

observer

date

time

telescope

eyepiece

magnitude

8.0

seeing

n.e.l.m.

field size

filter

Caldwell 33 (East Veil Nebula) is a mag. 8.0 Supernova Remnant

Deneb
Sadr
Cygnus
Gienakh
zet Cyg

object
Caldwell 34
observer
date
time
telescope
eyepiece
magnitude
8.0
seeing
n.e.l.m.

field size
filter

Caldwell 34 (West Veil Nebula) is a mag. 8.0 Supernova Remnant

Canes Venatici
Cor Caroli
Coma Berenices
d

object
Caldwell 35
observer
date
time
telescope
eyepiece
magnitude
11.4
seeing
n.e.l.m.

field size
filter

Caldwell 35 (NGC 4889) is a mag. 11.4 Elliptical Galaxy

Canes Venatici
Cor Caroli
Coma Berenices

object
Caldwell 36
observer
date
time
telescope
eyepiece
magnitude
9.8
seeing
n.e.l.m.

field size
filter

Caldwell 36 (Koi Fish Galaxy) is a mag. 9.8 Spiral Galaxy

Sadr
Cygnus
Gienakh
yg
Alb
Vulpecula
Sagitta
Delphinus

object

Caldwell 37

observer

date

time

telescope

eyepiece

magnitude

5.7

seeing

n.e.l.m.

field size

filter

Caldwell 37 (20 Vulpeculae Cluster) is a mag. 5.7 Open Cluster

Canes Venatici
Cor Caroli
Coma Berenices
Vindemiatrix

object

Caldwell 38

observer

date

time

telescope

eyepiece

magnitude

9.6

seeing

n.e.l.m.

field size

filter

Caldwell 38 (Needle Galaxy) is a mag. 9.6 Barred Spiral Galaxy

Castor
Pollux
Gemini
Gomeisa
Canis Minor

object

Caldwell 39

observer

date

time

telescope

eyepiece

magnitude

9.9

seeing

n.e.l.m.

field size

filter

Caldwell 39 (Eskimo Nebula) is a mag. 9.9 Planetary Nebula

Zosma
Leo
Chertan
Denebola

object
Caldwell 40
observer
date
time
telescope
eyepiece
magnitude
10.9
seeing
n.e.l.m.

field size
filter

Caldwell 40 (NGC 3626) is a mag. 10.9 Barred Spiral Galaxy

Taurus
Aldebaran
Tabit

object
Caldwell 41
observer
date
time
telescope
eyepiece
magnitude
1.0
seeing
n.e.l.m.

field size
filter

Caldwell 41 (Hyades) is a mag. 1.0 Open Cluster

zet Cyg
Delphinus
Enif
Equuleus

object
Caldwell 42
observer
date
time
telescope
eyepiece
magnitude
10.6
seeing
n.e.l.m.

field size
filter

Caldwell 42 (NGC 7006) is a mag. 10.6 Globular Cluster

del And
Alpheratz
Algenib

object
Caldwell 43
observer
date
time
telescope
eyepiece
magnitude
10.5
seeing
n.e.l.m.

field size
filter

Caldwell 43 (Little Sombrero Galaxy) is a mag. 10.5 Barred Spiral Galaxy

Pegasus
Marchab

object
Caldwell 44
observer
date
time
telescope
eyepiece
magnitude
11.0
seeing
n.e.l.m.

field size
filter

Caldwell 44 (NGC 7479) is a mag. 11.0 Barred Spiral Galaxy

Coma B
Arcturus
Mufrid
Vind
Kheze
Virgo

object
Caldwell 45
observer
date
time
telescope
eyepiece
magnitude
10.2
seeing
n.e.l.m.

field size
filter

Caldwell 45 (NGC 5248) is a mag. 10.2 Spiral Galaxy

Tejat Posterior
Alhena
Alzirr
omeisa
or
Monoceros

object

Caldwell 46

observer

date

time

telescope

eyepiece

magnitude

10.0

seeing

n.e.l.m.

field size

filter

Caldwell 46 (Hubble's Variable Nebula) is a mag. 10.0 Bright Nebula

Sagitta
Delphinus
uuleus
the Aql

object
Caldwell 47
observer
date
time
telescope
eyepiece
magnitude
8.9
seeing
n.e.l.m.

field size
filter

Caldwell 47 (NGC 6934) is a mag. 8.9 Globular Cluster

Cancer
eps Hya
ydra

object
Caldwell 48
observer
date
time
telescope
eyepiece
magnitude
10.3
seeing
n.e.l.m.

field size
filter

Caldwell 48 (NGC 2775) is a mag. 10.3 Spiral Galaxy

Alhena
Alzirr
sa
Be
Monoceros

object
Caldwell 49
observer
date
time
telescope
eyepiece
magnitude
9.0
seeing
n.e.l.m.

field size
filter

Caldwell 49 (NGC 2237-9) is a mag. 9.0 Bright Nebula

Alhena
Alzirr
sa
Be
Monoceros

object

Caldwell 50

observer

date

time

telescope

eyepiece

magnitude

4.8

seeing

n.e.l.m.

field size

filter

Caldwell 50 (Rosette Nebula) is a mag. 4.8 Open Cluster

Pisces

object
Caldwell 51
observer
date
time
telescope
eyepiece
magnitude
9.0
seeing
n.e.l.m.

field size
filter

Caldwell 51 (IC 1613) is a mag. 9.0 Irregular Galaxy

Kheze
Virgo
Spica
Algorab
Dzhana
Corvus

object
Caldwell 52
observer
date
time
telescope
eyepiece
magnitude
9.3
seeing
n.e.l.m.

field size
filter

Caldwell 52 (NGC 4697) is a mag. 9.3 Elliptical Galaxy

Sextans
Hydra
Alp
nu. Hya

object
Caldwell 53
observer
date
time
telescope
eyepiece
magnitude
9.1
seeing
n.e.l.m.

field size
filter

Caldwell 53 (Spindle Galaxy) is a mag. 9.1 Elliptical Galaxy

rho Pup
Azmidiske

object
Caldwell 54
observer
date
time
telescope
eyepiece
magnitude
7.6
seeing
n.e.l.m.

field size
filter

Caldwell 54 (NGC 2506) is a mag. 7.6 Open Cluster

Sadalsud
Sheddi
Capricornus

object
Caldwell 55
observer
date
time
telescope
eyepiece
magnitude
8.3
seeing
n.e.l.m.

field size
filter

Caldwell 55 (Saturn Nebula) is a mag. 8.3 Planetary Nebula

Diphda

object

Caldwell 56

observer

date

time

telescope

eyepiece

magnitude

8.0

seeing

n.e.l.m.

field size

filter

Caldwell 56 (Skull Nebula) is a mag. 8.0 Planetary Nebula

the Aql
Dabikh
Albalc
Sagi

object
Caldwell 57
observer
date
time
telescope
eyepiece
magnitude
9.3
seeing
n.e.l.m.

field size
filter

Caldwell 57 (Barnard's Galaxy) is a mag. 9.3 Irregular Galaxy

Sirius
Canis Major
omi02 CMa
Azmidiske
Wezen
Adhara
Aludra

object

Caldwell 58

observer

date

time

telescope

eyepiece

magnitude

7.2

seeing

n.e.l.m.

field size

filter

Caldwell 58 (Caroline's Cluster) is a mag. 7.2 Open Cluster

Hydra
nu. Hya
Antlia

object

Caldwell 59

observer

date

time

telescope

eyepiece

magnitude

8.6

seeing

n.e.l.m.

field size

filter

Caldwell 59 (Ghost of Jupiter) is a mag. 8.6 Planetary Nebula

Algorab
Dzhanakh
Corvus
Minkar
Kraz
Crate

object
Caldwell 60
observer
date
time
telescope
eyepiece
magnitude
11.3
seeing
n.e.l.m.

field size
filter

Caldwell 60 (Antennae Galaxies) is a mag. 11.3 Spiral Galaxy

Algorab
Dzhanakh
Corvus
Minkar
Kraz
Crate

object
Caldwell 61
observer
date
time
telescope
eyepiece
magnitude
13.0
seeing
n.e.l.m.

field size
filter

Caldwell 61 (Antennae Galaxies) is a mag. 13.0 Spiral Galaxy

Diphda
Sculptor

object
Caldwell 62
observer
date
time
telescope
eyepiece
magnitude
8.9
seeing
n.e.l.m.

field size
filter

Caldwell 62 (Burbidge Chain) is a mag. 8.9 Spiral Galaxy

Aquarius
Fomalhaut
Piscis Austrinus

object

Caldwell 63

observer

date

time

telescope

eyepiece

magnitude

6.5

seeing

n.e.l.m.

field size

filter

Caldwell 63 (Helix Nebula) is a mag. 6.5 Planetary Nebula

Sirius
Canis Major
omi02 CMa
Azmidiske
Wezen
Aludra
Adhara
pi. Pup
Puppis

object

Caldwell 64

observer

date

time

telescope

eyepiece

magnitude

4.1

seeing

n.e.l.m.

field size

filter

Caldwell 64 (Pirate's Jewels Cluster) is a mag. 4.1 Open Cluster

Diphda
Sculptor

object
Caldwell 65
observer
date
time
telescope
eyepiece
magnitude
7.1
seeing
n.e.l.m.

field size
filter

Caldwell 65 (Sculptor Galaxy) is a mag. 7.1 Spiral Galaxy

Libra
Zubenelgenubi
sig Lib
pi. Hya
Menkent
del Lup

object
Caldwell 66
observer
date
time
telescope
eyepiece
magnitude
10.2
seeing
n.e.l.m.

field size
filter

Caldwell 66 (NGC 5694) is a mag. 10.2 Globular Cluster

Fornax
Acamar

object
Caldwell 67
observer
date
time
telescope
eyepiece
magnitude
9.2
seeing
n.e.l.m.

field size
filter

Caldwell 67 (NGC 1097) is a mag. 9.2 Barred Spiral Galaxy

Kaus B
Nunki
phi Sgr
tau Sgr.
Sagittarius
Ascella
Kau
Kaus A
eta
Corona Australis
Telescopium

object
Caldwell 68
observer
date
time
telescope
eyepiece
magnitude
9.7
seeing
n.e.l.m.

field size
filter

Caldwell 68 (NGC 6729) is a mag. 9.7 Bright Nebula

the Oph
Alniya
Alnasl
eps Sco
stralis
Sgr
Lesuth
mu 01 Sco
kap Sco
iot01 Sco
eta Sco
um
alf Ara
Norma

object
Caldwell 69
observer
date
time
telescope
eyepiece
magnitude
12.8
seeing
n.e.l.m.

field size
filter

Caldwell 69 (Bug Nebula) is a mag. 12.8 Planetary Nebula

Sculptor
Ankaa
gam Phe
Phoenix
bet Phe

object
Caldwell 70
observer
date
time
telescope
eyepiece
magnitude
8.1
seeing
n.e.l.m.

field size
filter

Caldwell 70 (Southern Pinwheel Galaxy) is a mag. 8.1 Spiral Galaxy

Azmidiske
Aludra
pi. Pup
Puppis
Suhail Hadar
sig Pup
Regor

object
Caldwell 71
observer
date
time
telescope
eyepiece
magnitude
5.8
seeing
n.e.l.m.

field size
filter

Caldwell 71 (NGC 2477) is a mag. 5.8 Open Cluster

Sculptor
Ankaa
Phe
Phoenix
bet Phe

object
Caldwell 72
observer
date
time
telescope
eyepiece
magnitude
8.2
seeing
n.e.l.m.

field size
filter

Caldwell 72 (String of Pearls) is a mag. 8.2 Barred Spiral Galaxy

Columba
Phakt
Wazn
Caelum
Canopus

object
Caldwell 73
observer
date
time
telescope
eyepiece
magnitude
7.3
seeing
n.e.l.m.

field size
filter

Caldwell 73 (NGC 1851) is a mag. 7.3 Globular Cluster

Antlia
mu. Vel
Vela

object
Caldwell 74
observer
date
time
telescope
eyepiece
magnitude
8.2
seeing
n.e.l.m.

field size
filter

Caldwell 74 (Eight Burst Nebula) is a mag. 8.2 Planetary Nebula

Antares
pi. Sco
Alniyat
eps Sco
mu.01 Sco
eta Sco
Norma
alf Ara

object
Caldwell 75
observer
date
time
telescope
eyepiece
magnitude
5.8
seeing
n.e.l.m.

field size
filter

Caldwell 75 (NGC 6124) is a mag. 5.8 Open Cluster

Alniyat
eps Sco
Lesuth
mu.01 Sco
kap Sco
iot01 Sco
eta Sco
alf Ara
Norma
Ara
zet Ara

object
Caldwell 76
observer
date
time
telescope
eyepiece
magnitude
2.6
seeing
n.e.l.m.

field size
filter

Caldwell 76 (Northern Jewel Box) is a mag. 2.6 Open Cluster

Menkent
iot Cen
mu. Cen
27973
zet Cen
Centaurus
gam Cen
eps Cen
Gacrux

object
Caldwell 77
observer
date
time
telescope
eyepiece
magnitude
7.0
seeing
n.e.l.m.

field size
filter

Caldwell 77 (Centaurus A) is a mag. 7.0 Peculiar Galaxy

Kaus Media
Alniasl
Kaus Australis
eta Sgr
G Sco
Lesuth
kap Sco
iot01 Sco
Sargas
Telescopium
alf Ara
Ara
bet Ara

object
Caldwell 78
observer
date
time
telescope
eyepiece
magnitude
6.6
seeing
n.e.l.m.

field size
filter

Caldwell 78 (Cacciatore Cluster) is a mag. 6.6 Globular Cluster

Antlia
mu. Vel
Vela
kap Ve
N Vel
Tureis
Carina

object
Caldwell 79
observer
date
time
telescope
eyepiece
magnitude
6.7
seeing
n.e.l.m.

field size
filter

Caldwell 79 (NGC 3201) is a mag. 6.7 Globular Cluster

Menkent
iot Cen
mu. Cen
27973
zet Cen
Centaurus
gam Ce
eps Cen
Gacrux
Crux
del
Khadar
alf Cen

object

Caldwell 80

observer

date

time

telescope

eyepiece

magnitude

3.6

seeing

n.e.l.m.

field size

filter

Caldwell 80 (Omega Centauri) is a mag. 3.6 Globular Cluster

us Australis
eta Sgr
Lesuth
kap Sco
iot01 Sco
eps Sco
mu.01 Sco
eta Sco
copium
alf Ara
Ara
bet Ara
zet Ara

object
Caldwell 81
observer
date
time
telescope
eyepiece
magnitude
8.1
seeing
n.e.l.m.

field size
filter

Caldwell 81 (NGC 6352) is a mag. 8.1 Globular Cluster

eps Sco
Lesuth
mu.01 Sco
ap Sco
1 Sco
eta Sco
Norma
alf Ara
Ara
zet Ara

object
Caldwell 82
observer
date
time
telescope
eyepiece
magnitude
5.2
seeing
n.e.l.m.

field size
filter

Caldwell 82 (NGC 6193) is a mag. 5.2 Open Cluster

iot Cen
nkent.
mu. Cen
zet Cen
Centaurus
gam Cen
del
eps Cen
Gacrux
Crux
del Cru
Khadar
alf Cen
alf02 Cru

object
Caldwell 83
observer
date
time
telescope
eyepiece
magnitude
9.5
seeing
n.e.l.m.

field size
filter

Caldwell 83 (NGC 4945) is a mag. 9.5 Spiral Galaxy

Menkent
iot Cen
mu. Cen
HD127973
en
up
zet Cen
Men
Centaurus
eps Cen
Crux
Khadar
alf Cen
Circinus
alf0
alf Cir

object
Caldwell 84
observer
date
time
telescope
eyepiece
magnitude
7.6
seeing
n.e.l.m.

field size
filter

Caldwell 84 (NGC 5286) is a mag. 7.6 Globular Cluster

Suhail Ha
Alsuhail
Regor
Vela
del Vel
kap Vel
N Vel
Turais
Avior
Carina
q Car
ups Car
Car

object
Caldwell 85
observer
date
time
telescope
eyepiece
magnitude
2.5
seeing
n.e.l.m.

field size
filter

Caldwell 85 (Omicron Vel Cluster) is a mag. 2.5 Open Cluster

kap Sco
iot01 Sco
eta Sco
alf Ara
Ara
bet Ara
zet Ara

object
Caldwell 86
observer
date
time
telescope
eyepiece
magnitude
5.6
seeing
n.e.l.m.

field size
filter

Caldwell 86 (NGC 6397) is a mag. 5.6 Globular Cluster

Acamar
Horoglium
lf Dor
Reticulum
alf Ret
alf H

object

Caldwell 87

observer

date

time

telescope

eyepiece

magnitude

8.4

seeing

n.e.l.m.

field size

filter

Caldwell 87 (NGC 1261) is a mag. 8.4 Globular Cluster

del Lup
gam Lup
Lupus
HD127973
bet Lup
Men
ma
Circinus
Khadar
bet TrA
alf Cir
ianguium Australe
gam TrA

object
Caldwell 88
observer
date
time
telescope
eyepiece
magnitude
7.9
seeing
n.e.l.m.

field size
filter

Caldwell 88 (NGC 5823) is a mag. 7.9 Open Cluster

eta Sco
Lu
Norma
lf Ara
zet Ara
ara
Circinu
bet TrA
Triangulum Australe
alf TrA
gam TrA

object
Caldwell 89
observer
date
time
telescope
eyepiece
magnitude
5.4
seeing
n.e.l.m.

field size
filter

Caldwell 89 (S Norma Cluster) is a mag. 5.4 Open Cluster

Alsuhail
Vela
kap Vel
del Vel
N Vel
Avior
Carina
q Car
ups Car
the Car
Miaplacidus
Volans

object
Caldwell 90
observer
date
time
telescope
eyepiece
magnitude
9.7
seeing
n.e.l.m.

field size
filter

Caldwell 90 (NGC 2867) is a mag. 9.7 Planetary Nebula

mu. Vel
del Cen
Gacrux
del Cru
crux.
q Car
lam Cen
alf02 Cru
the Car
ups C
Musca
bet Mus
alf Mus
M

object
Caldwell 91
observer
date
time
telescope
eyepiece
magnitude
3.0
seeing
n.e.l.m.

field size
filter

Caldwell 91 (Wishing Well Cluster) is a mag. 3.0 Open Cluster

mu. Vel
en
N
el Cru
q Car
Cari
lam Cen
the Car
aif02 Cru
ups Car
Musca
bet Mus
alf Mus
Miapla

object
Caldwell 92
observer
date
time
telescope
eyepiece
magnitude
6.2
seeing
n.e.l.m.

field size
filter

Caldwell 92 (Eta Carinae Nebula) is a mag. 6.2 Bright Nebula

Telescopium
alf Pav
Pavo
Tr

object
Caldwell 93
observer
date
time
telescope
eyepiece
magnitude
5.4
seeing
n.e.l.m.

field size
filter

Caldwell 93 (Pavo Globular Cluster) is a mag. 5.4 Globular Cluster

zet Cen
Centaurus
gam Cen
del Cen
eps Cen
Gacrux
Crux
del Cru
Becrux
Khadar
Cen
alf02 Cru
lam
alf Cir
bet Mus
Musca
alf Mus
n TrA

object
Caldwell 94
observer
date
time
telescope
eyepiece
magnitude
4.2
seeing
n.e.l.m.

field size
filter

Caldwell 94 (Jewel Box) is a mag. 4.2 Open Cluster

Norma
zet Ara
Circinus
bet TrA
alf Ci
Triangulum Australe
alf TrA
gam TrA

object
Caldwell 95
observer
date
time
telescope
eyepiece
magnitude
5.1
seeing
n.e.l.m.

field size
filter

Caldwell 95 (NGC 6025) is a mag. 5.1 Open Cluster

Regor
del Vel
ap Vel
el
Avior
Tureis
Carina
alf Pic
ups Car
Volans
Miaplacidus

object
Caldwell 96
observer
date
time
telescope
eyepiece
magnitude
3.8
seeing
n.e.l.m.

field size
filter

Caldwell 96 (Southern Beehive) is a mag. 3.8 Open Cluster

gam Cen
del Cen
mu. Ve
Gacrux
del Cru
Crux
Becrux
lam Cen
alf02 Cru
the Car
Musca
bet Mus
alf Mus

object
Caldwell 97
observer
date
time
telescope
eyepiece
magnitude
5.3
seeing
n.e.l.m.

field size
filter

Caldwell 97 (Pearl Cluster) is a mag. 5.3 Open Cluster

Centaurus
Cen
gam Cen
del Cen
eps Cen
Gacrux
Crux
del Cru
Becrux
Khadar
alf02 Cru
lam Cen
Cir
bet Mus
Musca
alf Mus
rA

object
Caldwell 98
observer
date
time
telescope
eyepiece
magnitude
6.9
seeing
n.e.l.m.

field size
filter

Caldwell 98 (Coalsack Cluster) is a mag. 6.9 Open Cluster

zet Cen
Centaurus
gam Cen
del Cen
eps Cen
Gacrux
Crux
del Cru
Becrux
Khadar
alf02 Cru
lam
alf Cir
bet Mus
Musca
alf Mus
TrA

object
Caldwell 99
observer
date
time
telescope
eyepiece
magnitude
20.0
seeing
n.e.l.m.

field size
filter

Caldwell 99 (Coalsack Nebula) is a mag. 20.0 Dark Nebula

gam Cen
del Cen
mu. V
Gacrux
del Cru
Crux
Becrux
lam Cen
alf02 Cru
the Car
Musca
bet Mus
alf Mus

object
Caldwell 100
observer
date
time
telescope
eyepiece
magnitude
4.5
seeing
n.e.l.m.

field size
filter

Caldwell 100 (Lambda Centauri Nebula) is a mag. 4.5 Open Cluster

alf Pav
Pavo
Tr

object
Caldwell 101
observer
date
time
telescope
eyepiece
magnitude
9.0
seeing
n.e.l.m.

field size
filter

Caldwell 101 (NGC 6744) is a mag. 9.0 Barred Spiral Galaxy

lam Cen
the Car
q Car
ups Car
Musca
bet Mus
alf Mus
Miaplac
Chameleon

object
Caldwell 102
observer
date
time
telescope
eyepiece
magnitude
1.9
seeing
n.e.l.m.

field size
filter

Caldwell 102 (Theta Car Cluster) is a mag. 1.9 Open Cluster

Pictor
Dorado
alf
alf Pic
Mensa
gam Hyi

object
Caldwell 103
observer
date
time
telescope
eyepiece
magnitude
1.0
seeing
n.e.l.m.

field size
filter

Caldwell 103 (Tarantula Nebula) is a mag. 1.0 Bright Nebula

Achernar
alf Hyi
Tu
Hydrus
bet Hyi
gam Hyi

object
Caldwell 104
observer
date
time
telescope
eyepiece
magnitude
6.6
seeing
n.e.l.m.

field size
filter

Caldwell 104 (NGC 362) is a mag. 6.6 Globular Cluster

Gacrux
Crux
del Cru
Khadar
f Cen
alf02 Cru
lar
alf Cir
bet Mus
Musca
alf Mus
m TrA
e
Apus
Chameleon

object
Caldwell 105
observer
date
time
telescope
eyepiece
magnitude
7.3
seeing
n.e.l.m.

field size
filter

Caldwell 105 (The Southern Butterfly) is a mag. 7.3 Globular Cluster

Achernar
alf Hyi
Tucana
rus
bet Hyi
m Hyi
Octans

object
Caldwell 106
observer
date
time
telescope
eyepiece
magnitude
4.0
seeing
n.e.l.m.

field size
filter

Caldwell 106 (47 Tucanae) is a mag. 4.0 Globular Cluster

bet TrA
Circin
Triangulum Australe
alf TrA
gam TrA
Apus
Octans

object
Caldwell 107
observer
date
time
telescope
eyepiece
magnitude
9.3
seeing
n.e.l.m.

field size
filter

Caldwell 107 (NGC 6101) is a mag. 9.3 Globular Cluster

Crux
del Cru
Becrux
hadar
alf02 Cru
lam Cen
Musca
bet Mus
alf Mus
Chameleon
Apus

object
Caldwell 108
observer
date
time
telescope
eyepiece
magnitude
7.8
seeing
n.e.l.m.

field size
filter

Caldwell 108 (NGC 4372) is a mag. 7.8 Globular Cluster

Miaplacidus
Vola
ca
Mus
Chamaeleon
is
Octans

object
Caldwell 109
observer
date
time
telescope
eyepiece
magnitude
11.6
seeing
n.e.l.m.

field size
filter

Caldwell 109 (NGC 3195) is a mag. 11.6 Planetary Nebula

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

object

observer

date

time

telescope

eyepiece

magnitude

seeing

n.e.l.m.

field size

filter

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