

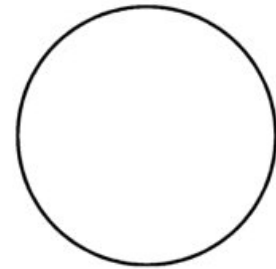
M101

25° 0.0' x 38° 59.4' UMa Uranometria 49

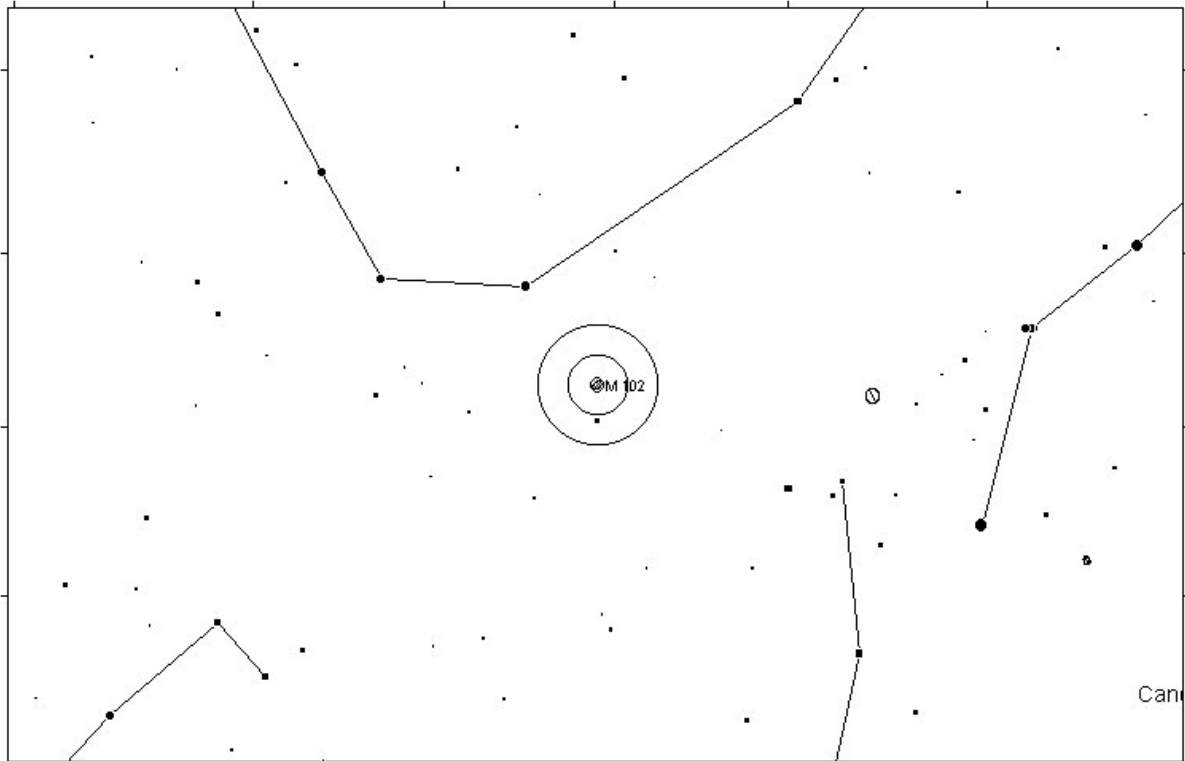
N  
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 W → 0 1 2 3 4 5 6

- |        |          |         |         |          |          |          |
|--------|----------|---------|---------|----------|----------|----------|
|        |          |         |         |          |          |          |
| Galaxy | GlxY Cl  | Glob    | Open Cl | Cl+Neb   | Brit Neb | Drk Neb  |
|        |          |         |         |          |          |          |
| Plan   | Asterism | Unknown | Quasar  | Dbl Star | Comet    | Asteroid |

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations  
**M 101**  
**NGC 5457**  
 Type of object: Galaxy  
Catalog position for epoch J2000.0  
 Right ascension: 14h 03m 12.5s  
 Declination: +54° 20' 55"  
 Constellation: Ursa Major  
Object information  
 Magnitude: 7.9  
 Size: 28.0'x28.0'  
 Object classification: Sc



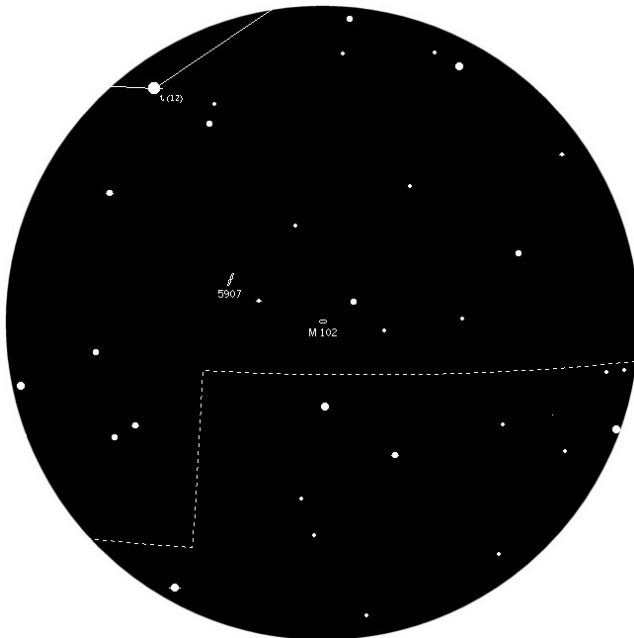
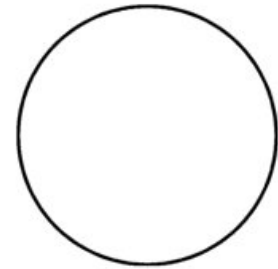
M102

25° 0.0' x 38° 59.4' Dra Uranometria 50

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 0 1 2 3 4 5 6

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|--------|----------|---------|---------|----------|----------|----------|
|        |          |         |         |          |          |          |
| Galaxy | Glxy Cl  | Glob    | Open Cl | Cl+Neb   | Brit Neb | Drk Neb  |
|        |          |         |         |          |          |          |
| Plan   | Asterism | Unknown | Quasar  | Dbl Star | Comet    | Asteroid |

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations

**M 102**  
**NGC 5866**

Type of object: Galaxy

Catalog position for epoch J2000.0

Right ascension: 15h 06m 30.2s

Declination: +55° 45' 46"

Constellation: Draco

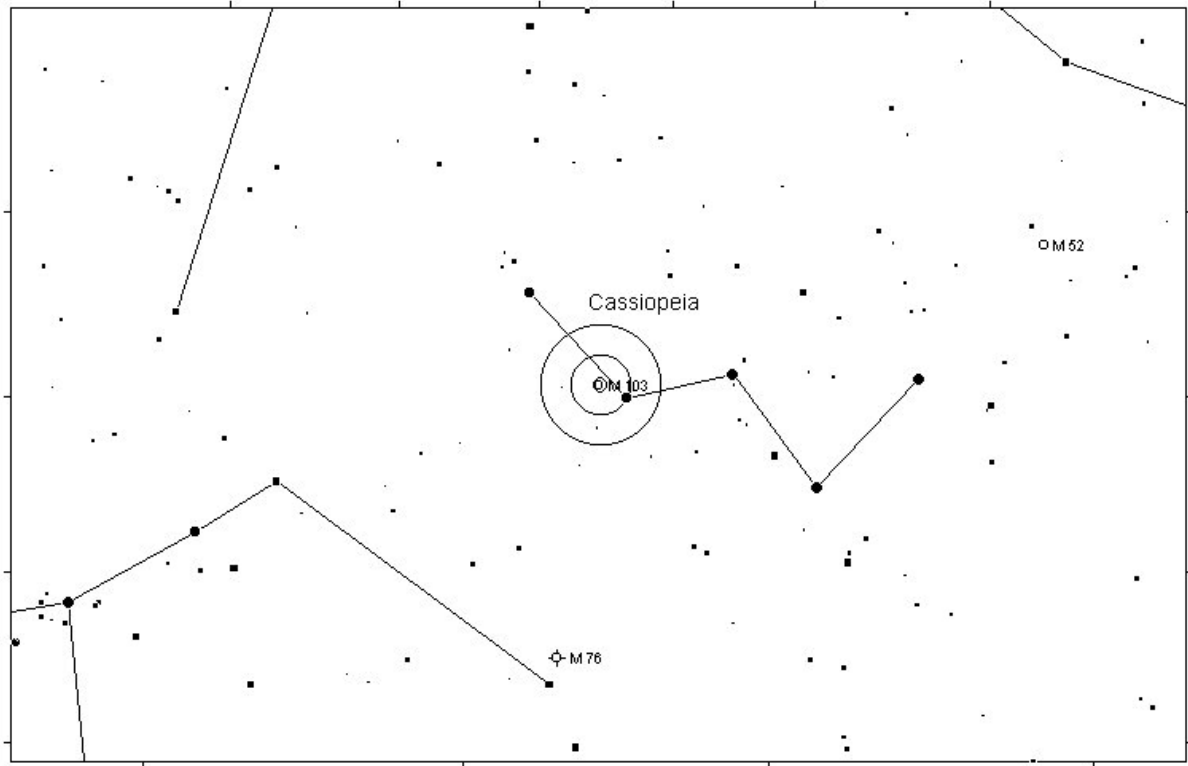
Object information

Magnitude: 9.9

Size: 6.5'x3.0'

Position angle: 128°

Object classification: E0-



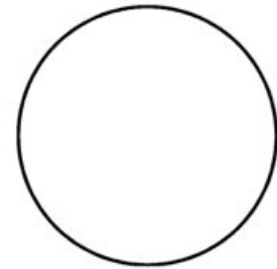
M103

25° 0.0' x 38° 59.4' Cas Uranometria 37

N  
↑  
W → 0 1 2 3 4 5 6

Galaxy	Glxxy Cl	Glob	Open Cl	Cl+Neb	Brit Neb	Drk Neb
Plan	Asterism	Unknown	Quasar	Dbl Star	Comet	Asteroid

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations

**M 103**  
**NGC 581**

Type of object: Open cluster

Catalog position for epoch J2000.0

Right ascension: 01h 33m 12.0s

Declination: +60° 42' 00"

Constellation: Cassiopeia

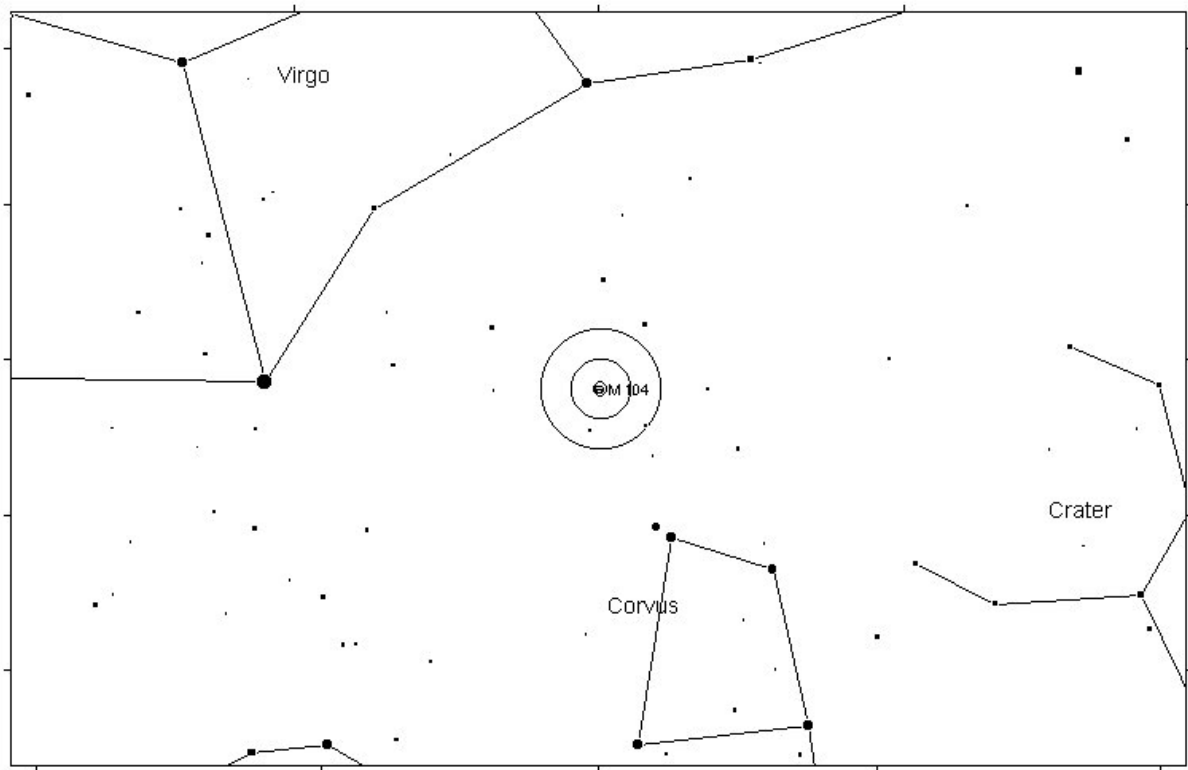
Object information

Magnitude: 7.4

Size: 6.0'

Number of stars: 40

Magnitude of brightest star:



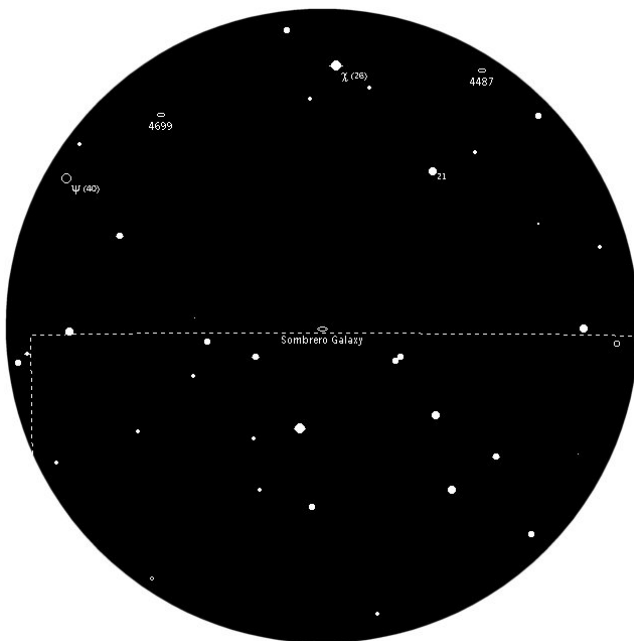
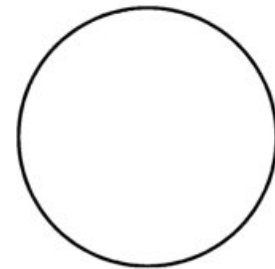
M104

25° 0.0' x 38° 59.4' Vir Uranometria 284

N  
 ↑ W 0 1 2 3 4 5 6

- Galaxy
- Glxy Cl
- Glob
- Open Cl
- Cl+Neb
- Brit Neb
- Drk Neb
- Plan
- Asterism
- Unknown
- Quasar
- Dbl Star
- Comet
- Asteroid

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations

**M 104**  
**NGC 4594**

Type of object: Galaxy

Catalog position for epoch J2000.0

Right ascension: 12h 39m 59.4s

Declination: -11° 37' 22"

Constellation: Virgo

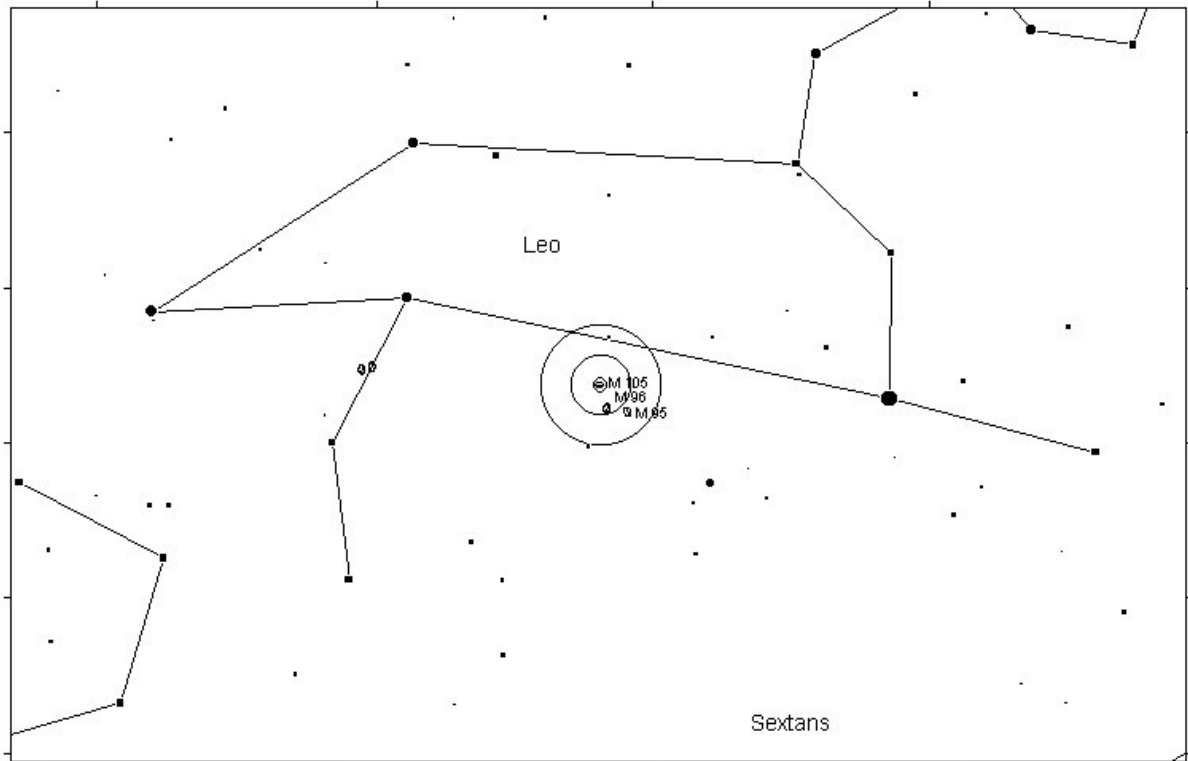
Object information

Magnitude: 8.0

Size: 8.9'x4.1'

Position angle: 90°

Object classification: Sa



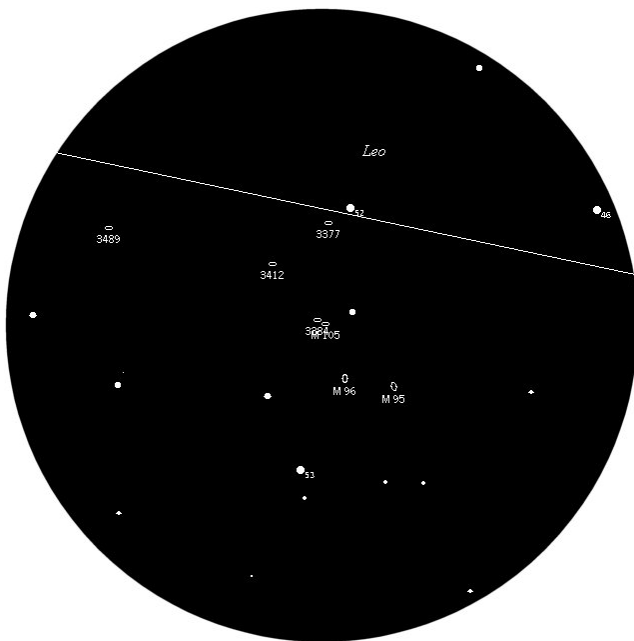
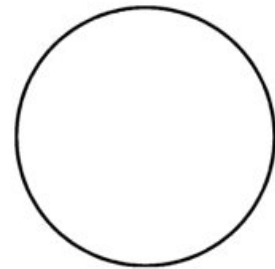
M105

25° 0.0' x 38° 59.4' Leo Uranometria 190

N  
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 0 1 2 3 4 5 6

Galaxy	Glxy Cl	Glob	Open Cl	Cl+Neb	Brit Neb	Drk Neb
Plan	Asterism	Unknown	Quasar	Dbl Star	Comet	Asteroid

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations

**M 105**  
**NGC 3379**

Type of object: Galaxy

Catalog position for epoch  
J2000.0

Right ascension: 10h 47m  
 49.9s

Declination: +12° 34' 57"

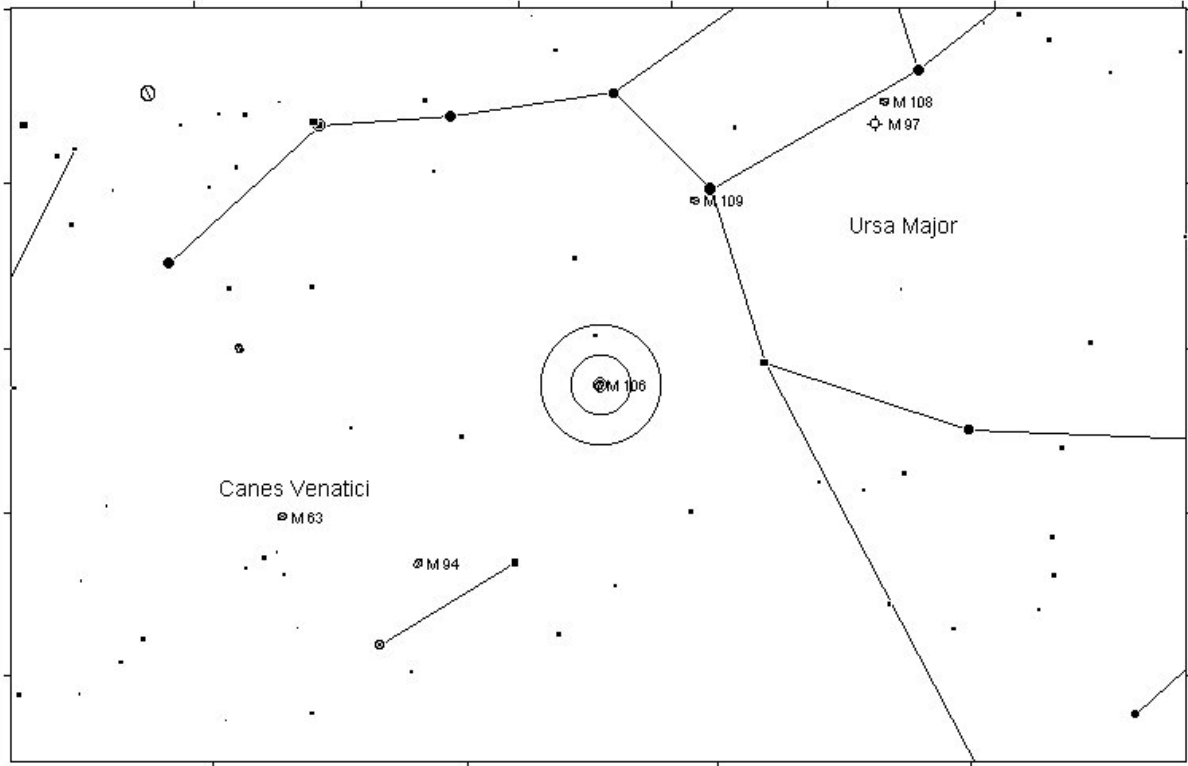
Constellation: Leo

Object information

Magnitude: 9.3

Size: 3.8'x3.8'

Object classification: F1



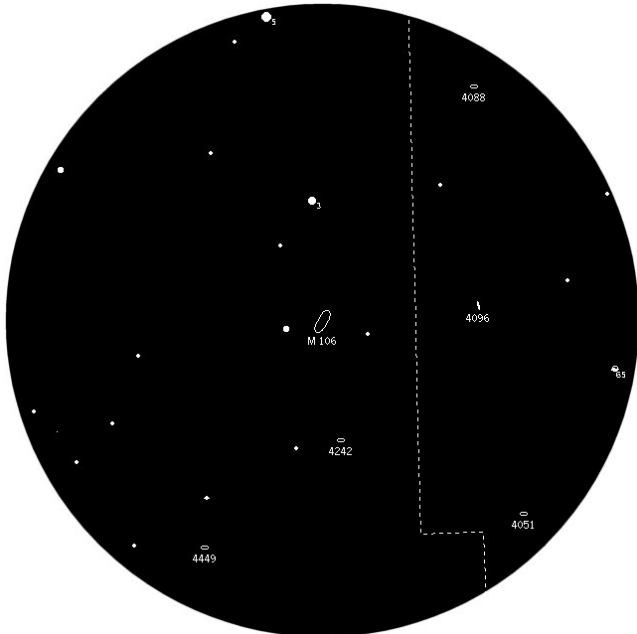
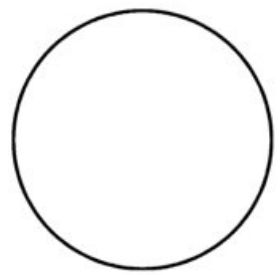
M106

25° 0.0' x 38° 59.4' CVn Uranometria 74

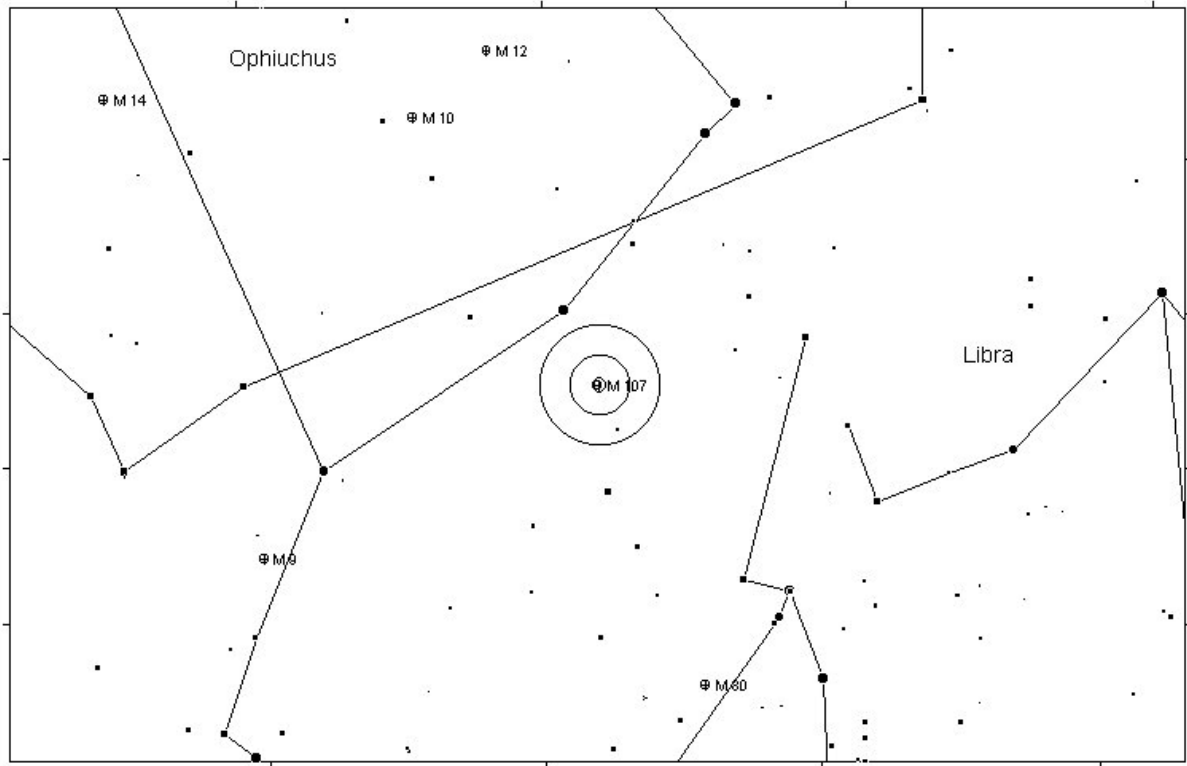
N  
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- Galaxy    Glxy Cl    Glob    Open Cl    Cl+Neb    Brit Neb    Drk Neb
- Plan    Asterism    Unknown    Quasar    Dbl Star    Comet    Asteroid

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations  
**M 106**  
**NGC 4258**  
 Type of object: Galaxy  
Catalog position for epoch J2000.0  
 Right ascension: 12h 18m 57.9s  
 Declination: +47° 18' 16"  
 Constellation: Canes Venatici  
Object information  
 Magnitude: 8.4  
 Size: 22.0'x9.0'  
 Position angle: 150°



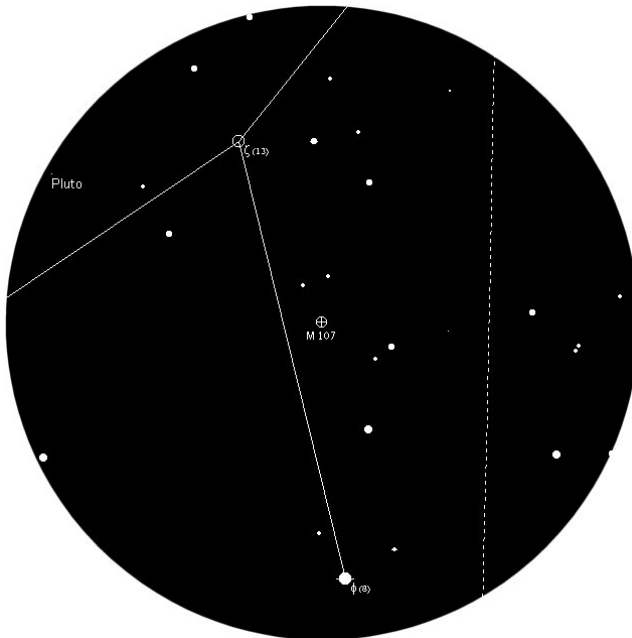
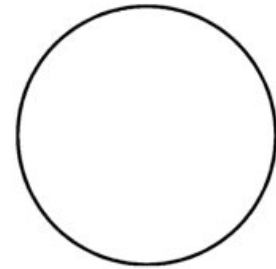
M107

25° 0.0' x 38° 59.4' Oph Uranometria 291

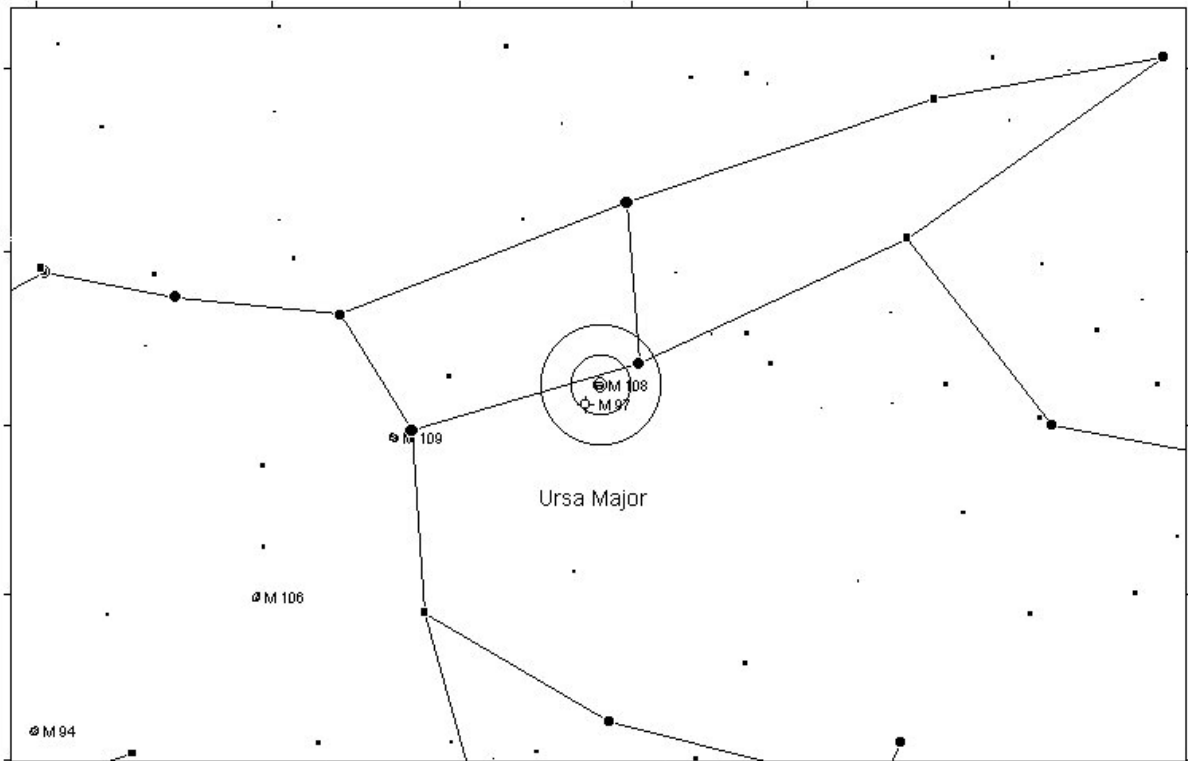
N  
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 0 1 2 3 4 5 6

- |        |          |         |         |          |          |          |
|--------|----------|---------|---------|----------|----------|----------|
|        |          |         |         |          |          |          |
| Galaxy | Glxyl Cl | Glob    | Open Cl | Cl+Neb   | Brit Neb | Drk Neb  |
|        |          |         |         |          |          |          |
| Plan   | Asterism | Unknown | Quasar  | Dbl Star | Comet    | Asteroid |

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations  
**M 107**  
**NGC 6171**  
 Type of object: Globular cluster  
Catalog position for epoch J2000.0  
 Right ascension: 16h 32m 31.9s  
 Declination: -13° 03' 13"  
 Constellation: Ophiuchus  
Object information  
 Magnitude: 8.1



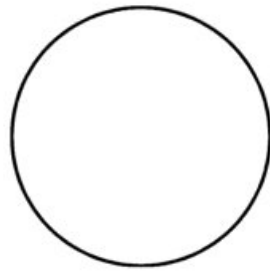
M108

25° 0.0' x 38° 59.4' UMa Uranometria 46

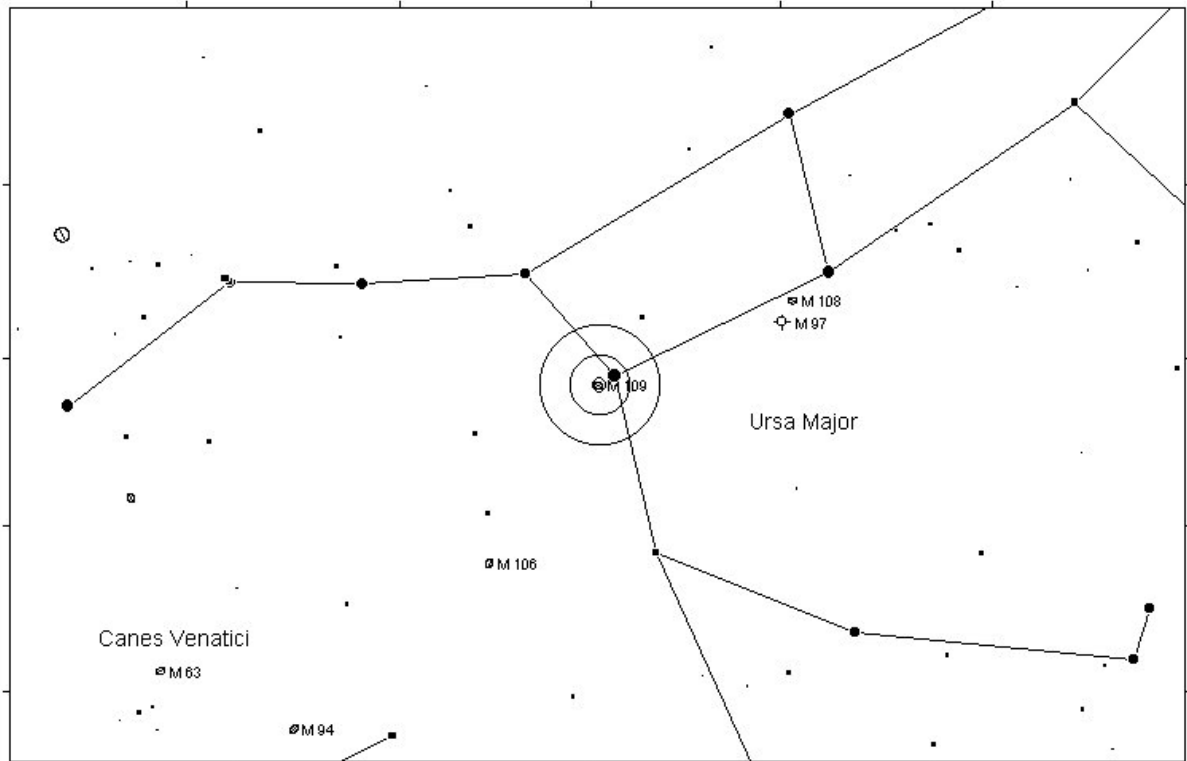
N  
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 0 1 2 3 4 5 6

- |        |          |         |         |          |          |          |
|--------|----------|---------|---------|----------|----------|----------|
|        |          |         |         |          |          |          |
| Galaxy | Glxy Cl  | Glob    | Open Cl | Cl+Neb   | Brit Neb | Drk Neb  |
|        |          |         |         |          |          |          |
| Plan   | Asterism | Unknown | Quasar  | Dbl Star | Comet    | Asteroid |

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations  
**M 108**  
**NGC 3556**  
 Type of object: Galaxy  
Catalog position for epoch J2000.0  
 Right ascension: 11h 11m 31.8s  
 Declination: +55° 40' 15"  
 Constellation: Ursa Major  
Object information  
 Magnitude: 10.0  
 Size: 8.8'x2.2'  
 Position angle: 80°



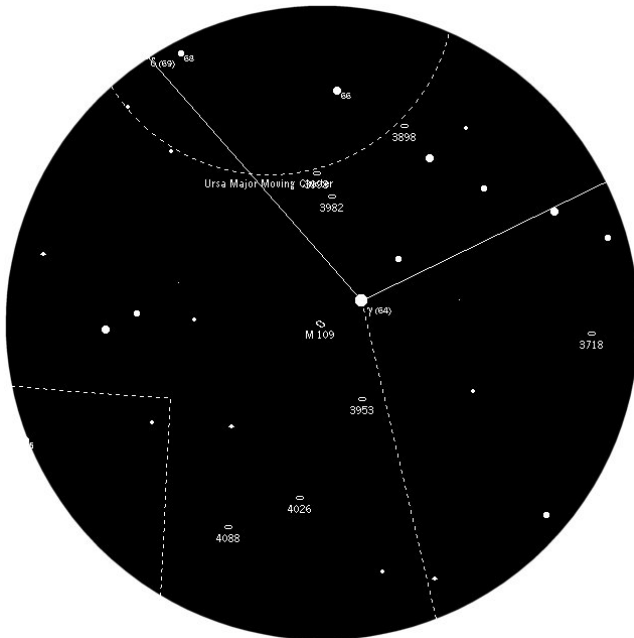
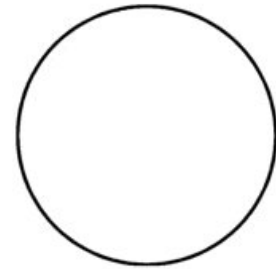
M109

25° 0.0' x 38° 59.4' UMa Uranometria 47

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W → 0 1 2 3 4 5 6

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|--------|----------|---------|---------|----------|----------|----------|
|        |          |         |         |          |          |          |
| Galaxy | Glxyl Cl | Glob    | Open Cl | Cl+Neb   | Brit Neb | Drk Neb  |
|        |          |         |         |          |          |          |
| Plan   | Asterism | Unknown | Quasar  | Dbl Star | Comet    | Asteroid |

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes: \_\_\_\_\_



Names and designations

**M 109**  
**NGC 3992**

Type of object: Galaxy

Catalog position for epoch J2000.0

Right ascension: 11h 57m 36.2s

Declination: +53° 22' 31"

Constellation: Ursa Major

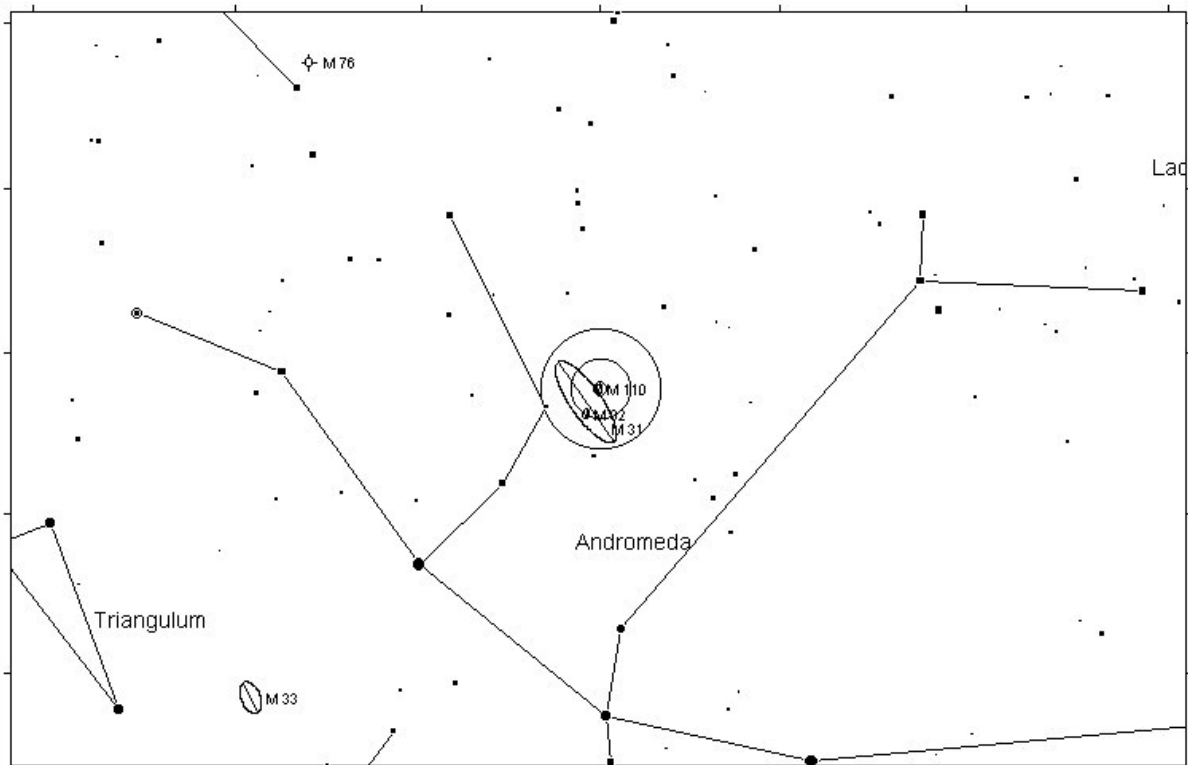
Object information

Magnitude: 9.8

Size: 8.3'x4.6'

Position angle: 68°

Object classification: SBb



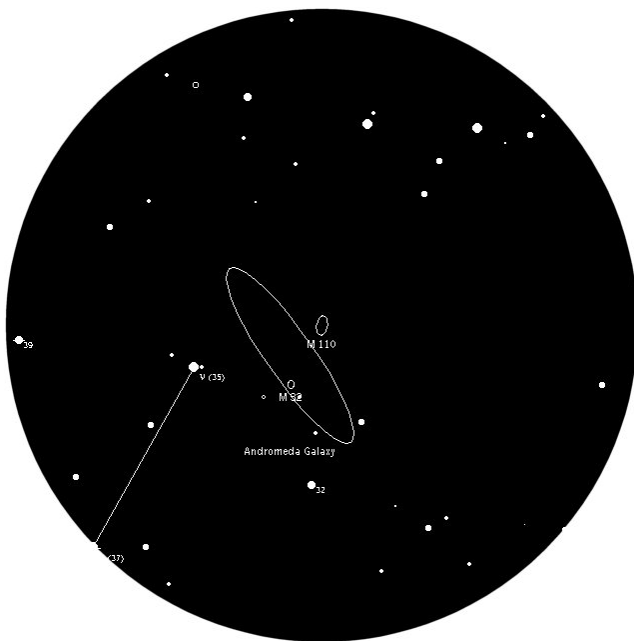
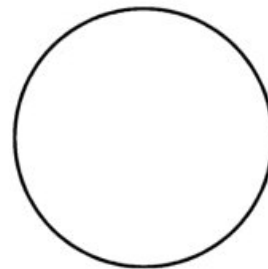
M110

25° 0.0' x 38° 59.4' And Uranometria 60

N  
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0 1 2 3 4 5 6

Galaxy	Glxyl Cl	Glob	Open Cl	Cl+Neb	Brit Neb	Drk Neb
Plan	Asterism	Unknown	Quasar	Dbl Star	Comet	Asteroid

Date \_\_\_\_\_  
 Time \_\_\_\_\_  
 Location \_\_\_\_\_  
 Seeing \_\_\_\_\_  
 Scope \_\_\_\_\_  
 Eyepiece \_\_\_\_\_  
 Notes:



Names and designations

**M 110**  
**NGC 205**

Type of object: Galaxy

Catalog position for epoch J2000.0

Right ascension: 00h 40m 22.5s

Declination: +41° 41' 11"

Constellation: Andromeda

Object information

Magnitude: 8.1

Size: 17.0'x10.0'

Position angle: 170°

Object classification: E6