

# Cygnus

## Sternkarten / Star maps

Astronomische Daten für diese Karten stammen von frei verfügbaren Datenbanken im Internet  
Astronomical data for this sky atlas were taken from free database sources on the internet

### Objektkataloge / Object databases:

Centre de Données astronomiques de Strasbourg - <http://cdsweb.u-strasbg.fr>

Saguaro Astronomy Club: SAC Database 7.70 - <http://www.saguaroastro.org>

### Sternkatalog / Star database:

Star Database: SKY2000 Catalog, Version 4 (Myers+ 2002)

<http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=V/109>

### An den Karten haben mitgewirkt / People that have been working on the maps:

Fred Van Gestel (author), Dennis Wallace (PDF and data base editing)

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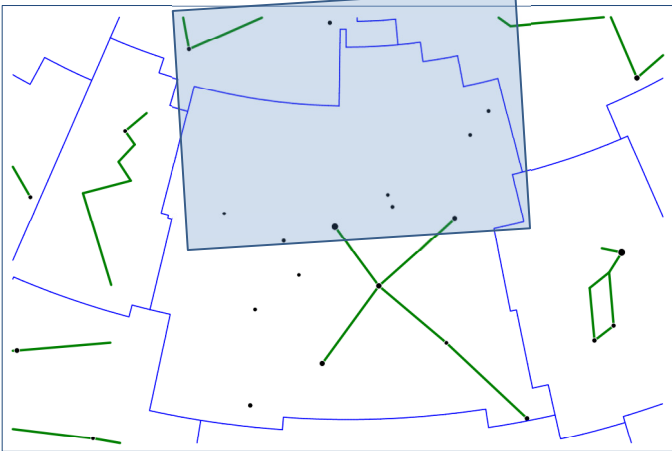


| Open clusters    |        |      |                                 |       |      |            |      |     |     |          |        |
|------------------|--------|------|---------------------------------|-------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Page(s)                         | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Basel 6          | CYG    |      | Cyg 2-2 Cyg 3-2                 | 7.70  |      |            |      |     |     |          | -      |
| Berk 86          | CYG    |      | Cyg 2-1 Cyg 2-2 Cyg 3-1 Cyg 3-2 | 7.90  |      |            |      |     |     |          | -      |
| Blur 2           | CYG    |      | Cyg 3-2                         | 6.30  |      |            |      |     |     |          | -      |
| Cr 419           | CYG    |      | Cyg 2-1 Cyg 2-2 Cyg 3-2         | 5.40  |      |            |      |     |     |          | -      |
| Cr 421           | CYG    |      | Cyg 2-1 Cyg 2-2                 | 10.10 |      |            |      |     |     |          | -      |
| Cr 428           | CYG    |      | Cyg 1-1 Cyg 2-1 Cyg 2-2         | 8.70  |      |            |      |     |     |          | -      |
| H364             | CYG    |      | Cyg 3-2                         | 7.80  | 5'   |            |      |     |     |          | 6834   |
| H365             | CYG    |      | Cyg 2-1 Cyg 2-2                 | 7.60  | 7'   |            |      |     |     |          | 6866   |
| H369             | CYG    |      | Cyg 2-1 Cyg 2-2 Cyg 3-2         | 7.40  | 5'   | 10x50      |      |     |     | 4000 Ly  | 6910   |
| H378             | CYG    |      | Cyg 2-1                         | 11.00 | 6'   |            |      |     |     |          | 7044   |
| H379             | CYG    |      | Cyg 1-1 Cyg 2-1                 | 8.30  | 7'   |            |      |     |     |          | 7062   |
| H380             | CYG    |      | Cyg 1-1 Cyg 2-1                 | 8.40  | 9'   |            |      |     |     |          | 7086   |
| H381             | CYG    |      | Cyg 1-1 Cyg 2-1                 | 9.70  | 3.1' |            |      |     |     |          | 7128   |
| I1369            | CYG    |      | Cyg 1-1 Cyg 2-1                 | 8.80  |      |            |      |     |     |          | IC1369 |
| I4996            | CYG    |      | Cyg 2-1 Cyg 2-2 Cyg 3-1 Cyg 3-2 | 7.30  |      |            |      |     |     |          | IC4996 |
| M29              | CYG    |      | Cyg 2-1 Cyg 2-2 Cyg 3-1 Cyg 3-2 | 7.10  | 6'   | 10x50      |      |     |     | 6000 Ly  | 6913   |
| M39              | CYG    |      | Cyg 1-1 Cyg 2-1                 | 5.20  | 31'  | 3.5x15     |      |     |     | 3500 Ly  | 7092   |
| N6811            | CYG    |      | Cyg 1-1 Cyg 2-2                 | 6.80  | 10'  | 10x50      |      |     |     | 3300 Ly  | 6811   |
| N6819            | CYG    |      | Cyg 2-2 Cyg 3-2                 | 7.30  |      |            |      |     |     |          | 6819   |
| N6871            | CYG    |      | Cyg 3-2                         | 5.20  | 25'  | 8x30       |      |     |     | 5700 Ly  | 6871   |
| N6883            | CYG    |      | Cyg 3-2                         | 8.00  |      |            |      |     |     |          | 6883   |
| N6895            | CYG    |      | Cyg 1-1 Cyg 2-1 Cyg 2-2         | 12.00 |      |            |      |     |     |          | 6895   |
| N6996            | CYG    |      | Cyg 1-1 Cyg 2-1 Cyg 2-2         | 10.00 |      |            |      |     |     |          | 6996   |
| N6997            | CYG    |      | Cyg 1-1 Cyg 2-1 Cyg 2-2         | 10.00 |      |            |      |     |     |          | 6997   |
| N7031            | CYG    |      | Cyg 1-1 Cyg 2-1 Cyg 2-2         | 9.10  |      |            |      |     |     |          | 7031   |
| N7039            | CYG    |      | Cyg 1-1 Cyg 2-1                 | 7.60  |      |            |      |     |     |          | 7039   |
| N7063            | CYG    |      | Cyg 3-1                         | 7.00  |      |            |      |     |     |          | 7063   |
| N7067            | CYG    |      | Cyg 1-1 Cyg 2-1                 | 9.70  |      |            |      |     |     |          | 7067   |
| N7082            | CYG    |      | Cyg 1-1 Cyg 2-1                 | 7.20  |      |            |      |     |     |          | 7082   |
| 29 open clusters |        |      |                                 |       |      |            |      |     |     |          |        |

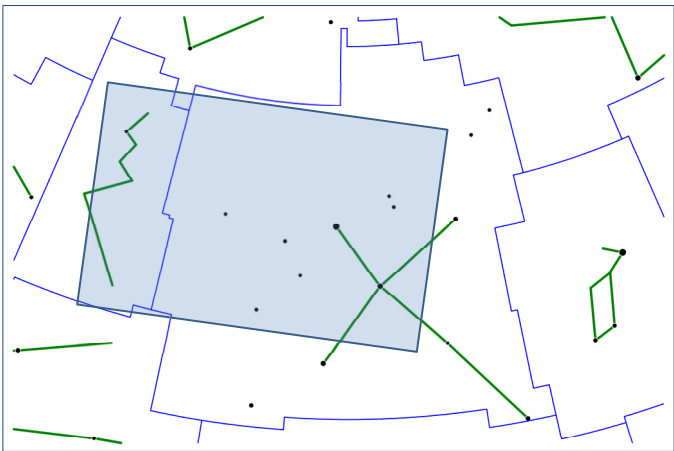
| Galaxies   |        |      |                 |       |      |            |      |     |     |          |        |
|------------|--------|------|-----------------|-------|------|------------|------|-----|-----|----------|--------|
| Object     | Const. | Name | Page(s)         | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| N6764      | CYG    |      | Cyg 1-1 Cyg 2-2 | 11.90 |      |            |      |     |     |          | 6764   |
| N7013      | CYG    |      | Cyg 3-1         | 11.30 |      |            |      |     |     |          | 7013   |
| 2 galaxies |        |      |                 |       |      |            |      |     |     |          |        |

| Nebula   |        |                      |                                 |       |         |            |      |     |     |          |        |
|----------|--------|----------------------|---------------------------------|-------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name                 | Page(s)                         | Vmag  | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C19      | CYG    | Cocoon Nebula        | Cyg 2-1                         | 10    | 7'      | 120 mm     | -    | +   | +   | 3300 Ly  | IC5146 |
| C20      | CYG    | North America nebula | Cyg 2-1 Cyg 2-2                 | 4     | 1.3°    | n. eye     | +    | ++  | o   | 2000 Ly  | 7000   |
| C27      | CYG    | Crescent nebula      | Cyg 2-1 Cyg 2-2 Cyg 3-1 Cyg 3-2 | 10    | 18'x12' | 63 mm      | ++   | ++  | -   | 6000 Ly  | 6888   |
| C33      | CYG    | Cirrus East          | Cyg 3-1                         | 7     | 55'x5'  | 8x30       |      |     |     | 2000 Ly  | 6992   |
| C34      | CYG    | Cirrus West          | Cyg 3-1 Cyg 3-2                 | 7     | 45'x5'  | 10x50      | ++   | +   | -   | 2000 Ly  | 6960   |
| I5067    | CYG    |                      | Cyg 2-1 Cyg 2-2                 | 8.00  |         |            | ++   | ++  | o   |          | IC5067 |
| M1-92    | CYG    |                      | Cyg 3-2                         | 11.70 |         |            |      |     |     |          | -      |
| N6857    | CYG    |                      | Cyg 3-2                         | 11.40 |         |            |      |     |     |          | 6857   |
| 8 nebula |        |                      |                                 |       |         |            |      |     |     |          |        |

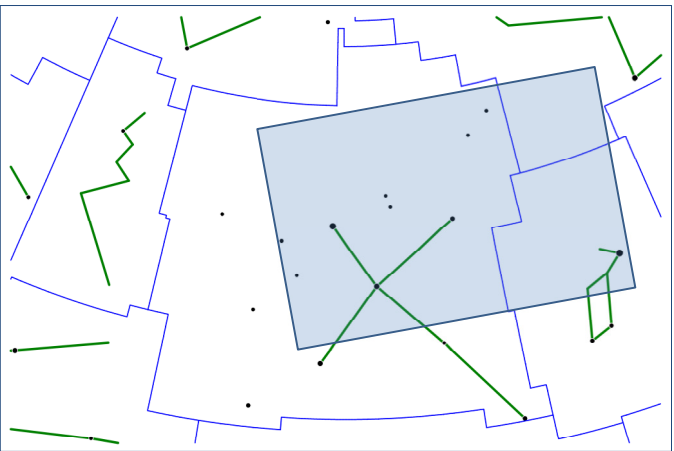
| Planetary nebula   |        |                          |                         |       |      |            |      |     |     |          |        |
|--------------------|--------|--------------------------|-------------------------|-------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name                     | Page(s)                 | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C15                | CYG    | Blinking Planetary       | Cyg 1-1 Cyg 2-2         | 8.80  | 0.4' | 10x50      | ++   | +   | o   | 3000 Ly  | 6826   |
| N7026              | CYG    |                          | Cyg 1-1 Cyg 2-1 Cyg 2-2 | 12.00 | 25"  |            |      |     |     |          | 7026   |
| N7027              | CYG    |                          | Cyg 2-1                 | 9.60  | 0.3' | 50 mm      | ++   | ++  | -   | 3500 Ly  | 7027   |
| N7048              | CYG    |                          | Cyg 1-1 Cyg 2-1         | 11.00 | 60"  |            |      |     |     |          | 7048   |
| PK 64+ 5.1         | CYG    | Campbell's hydrogen star | Cyg 3-2                 | 9.60  | 35"  | 320x       |      |     |     |          | -      |
| 5 planetary nebula |        |                          |                         |       |      |            |      |     |     |          |        |



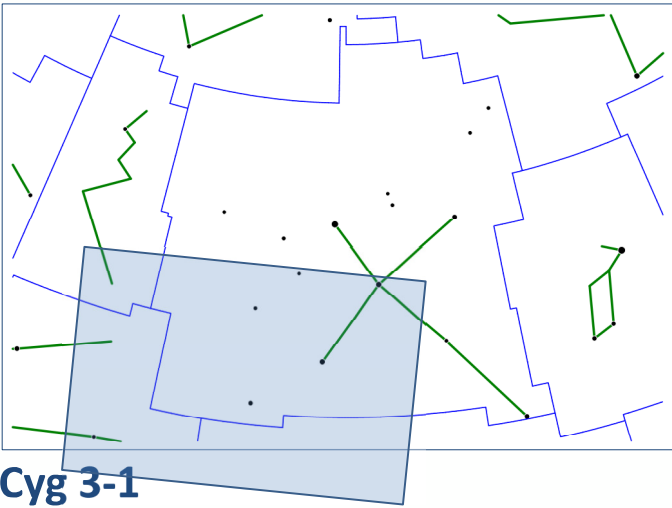
**Cyg 1-1**



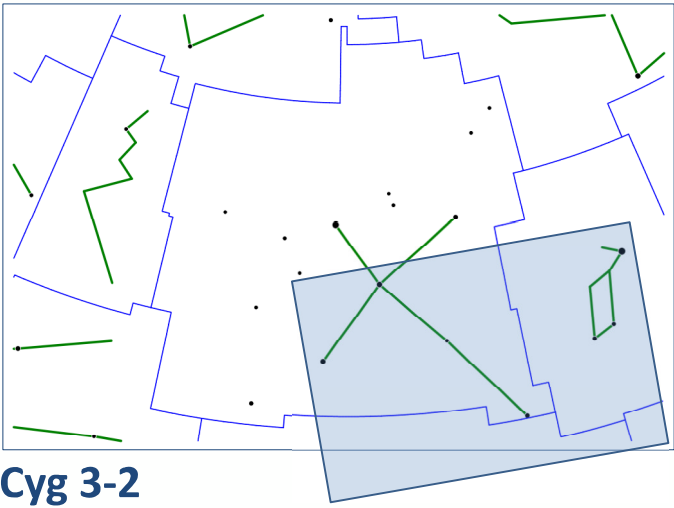
**Cyg 2-1**



**Cyg 2-2**

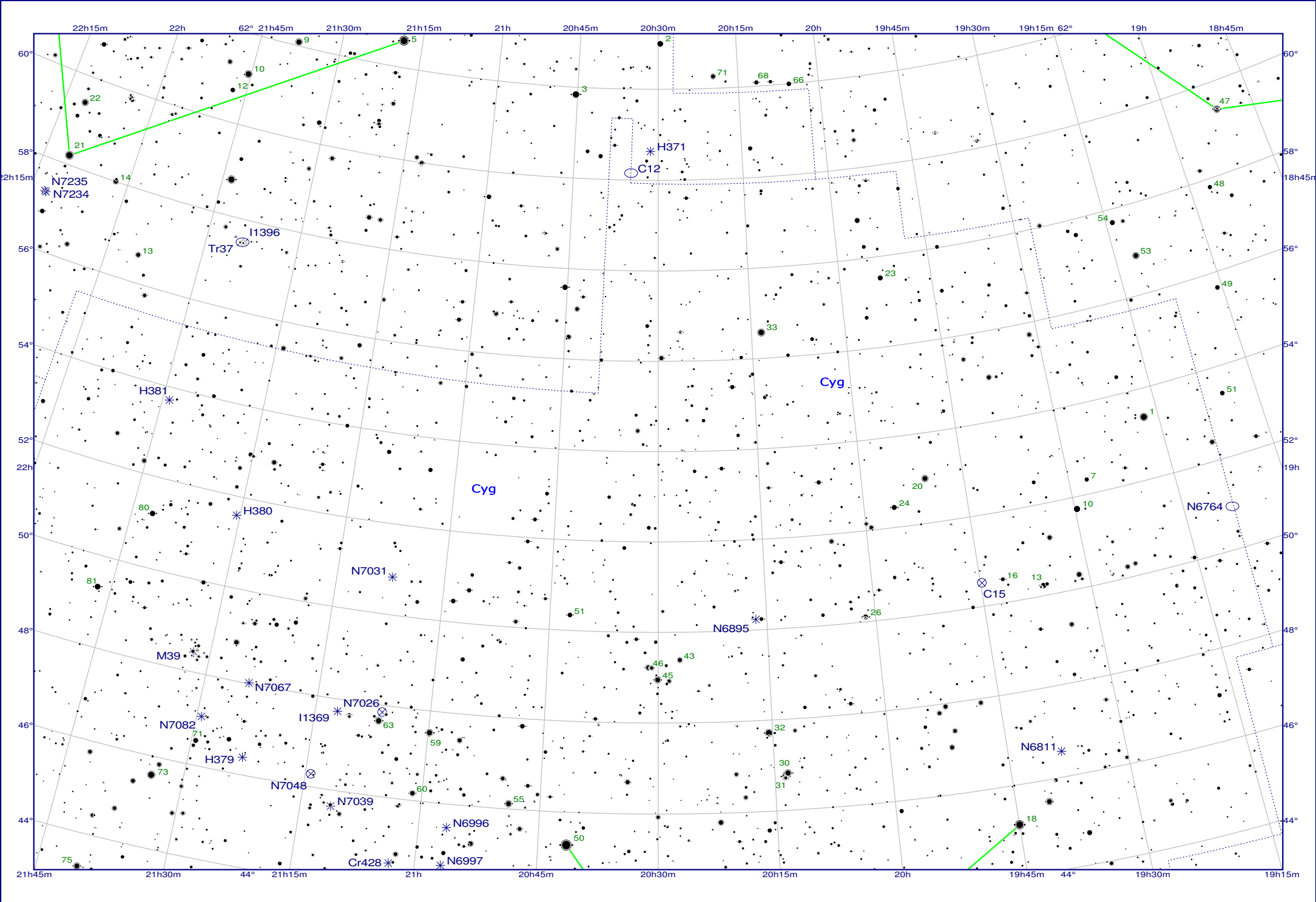


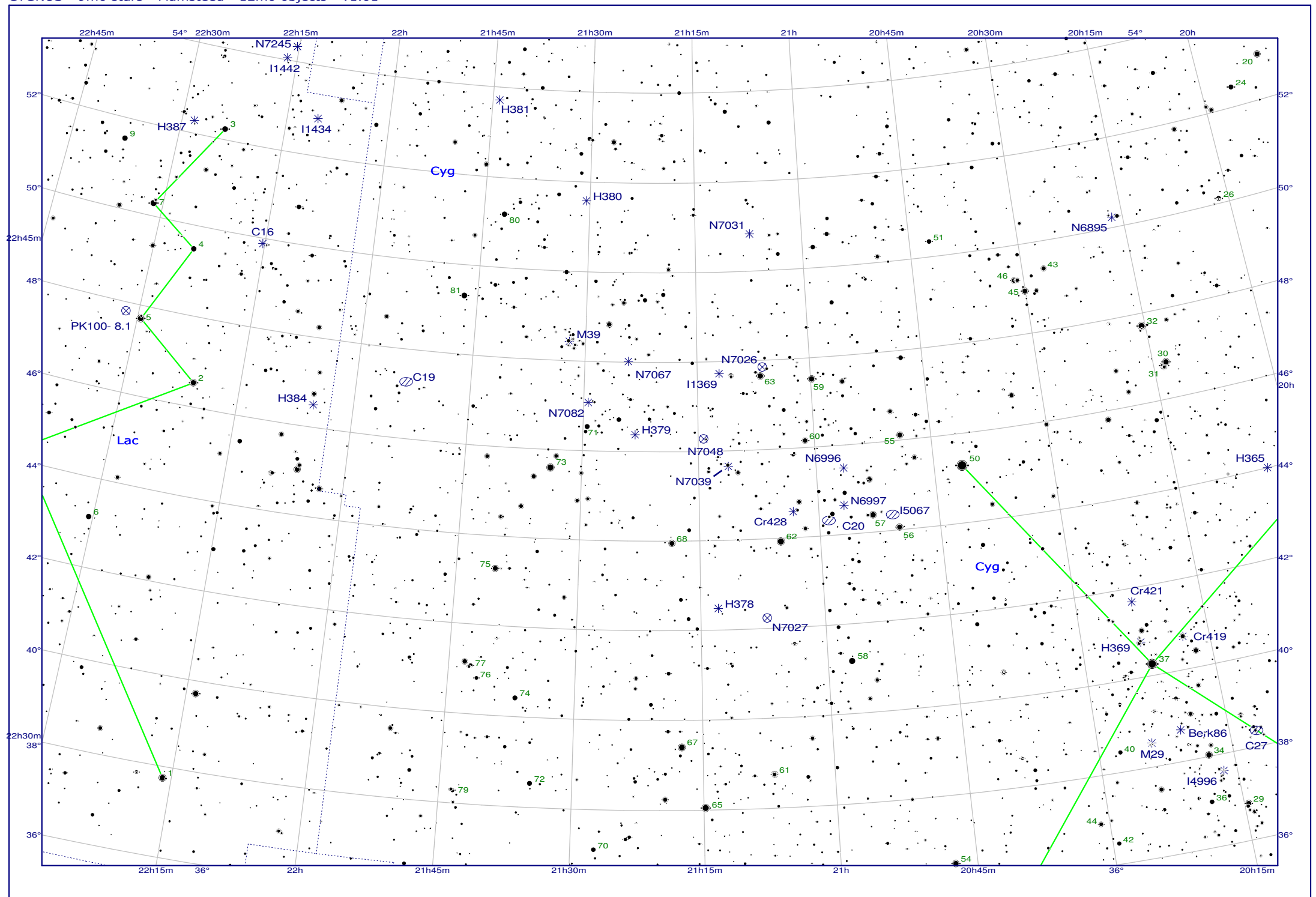
**Cyg 3-1**

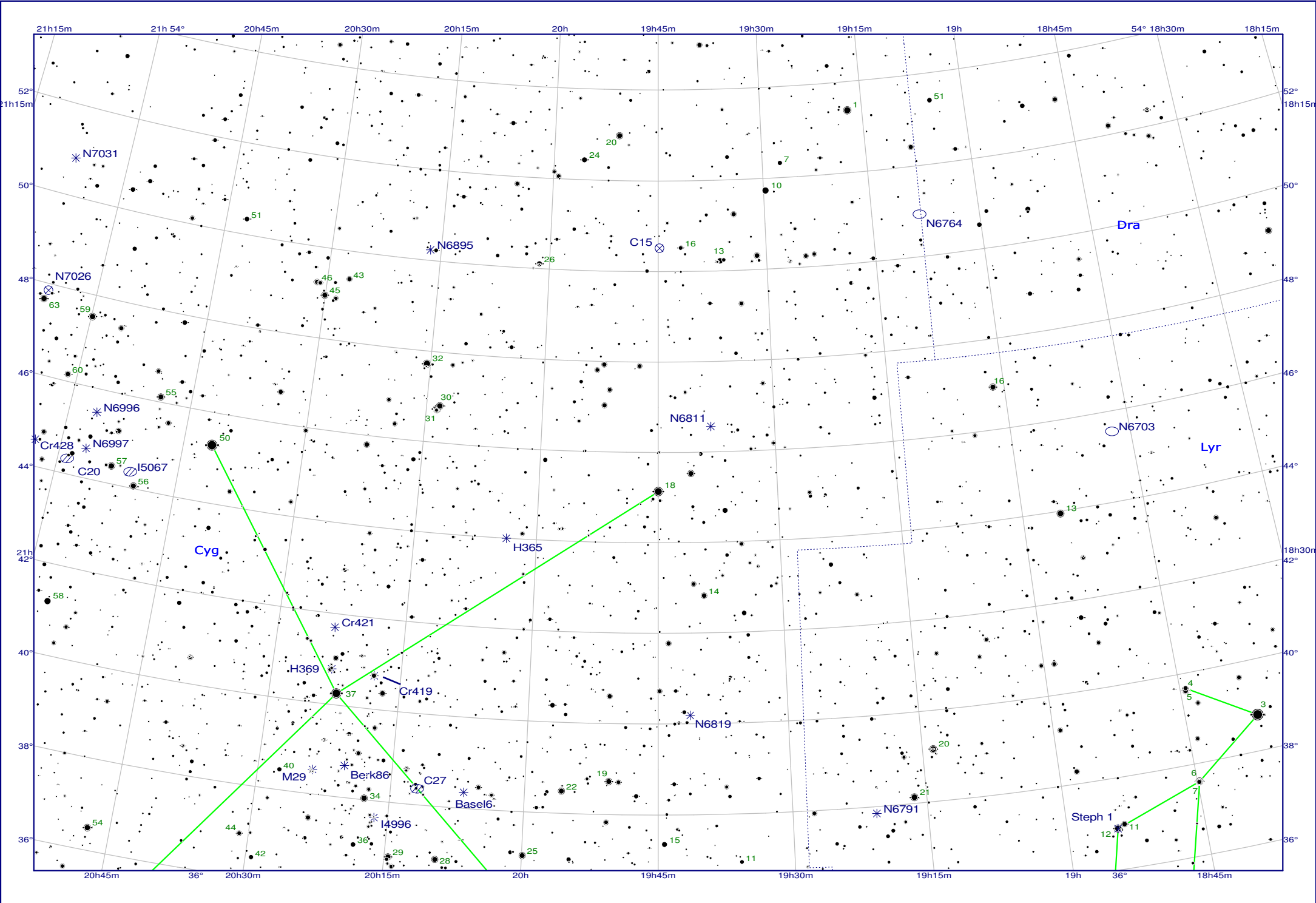


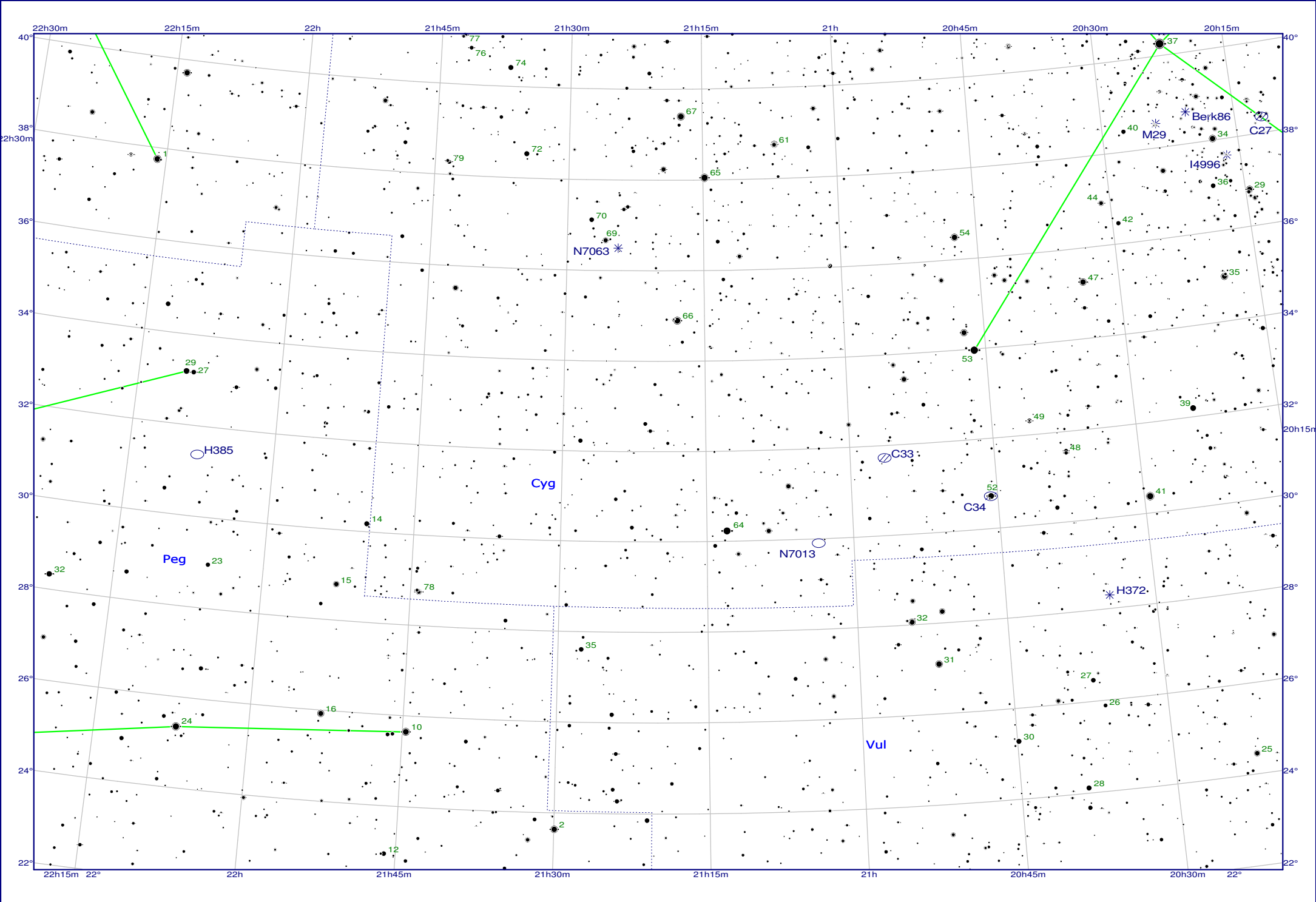
**Cyg 3-2**

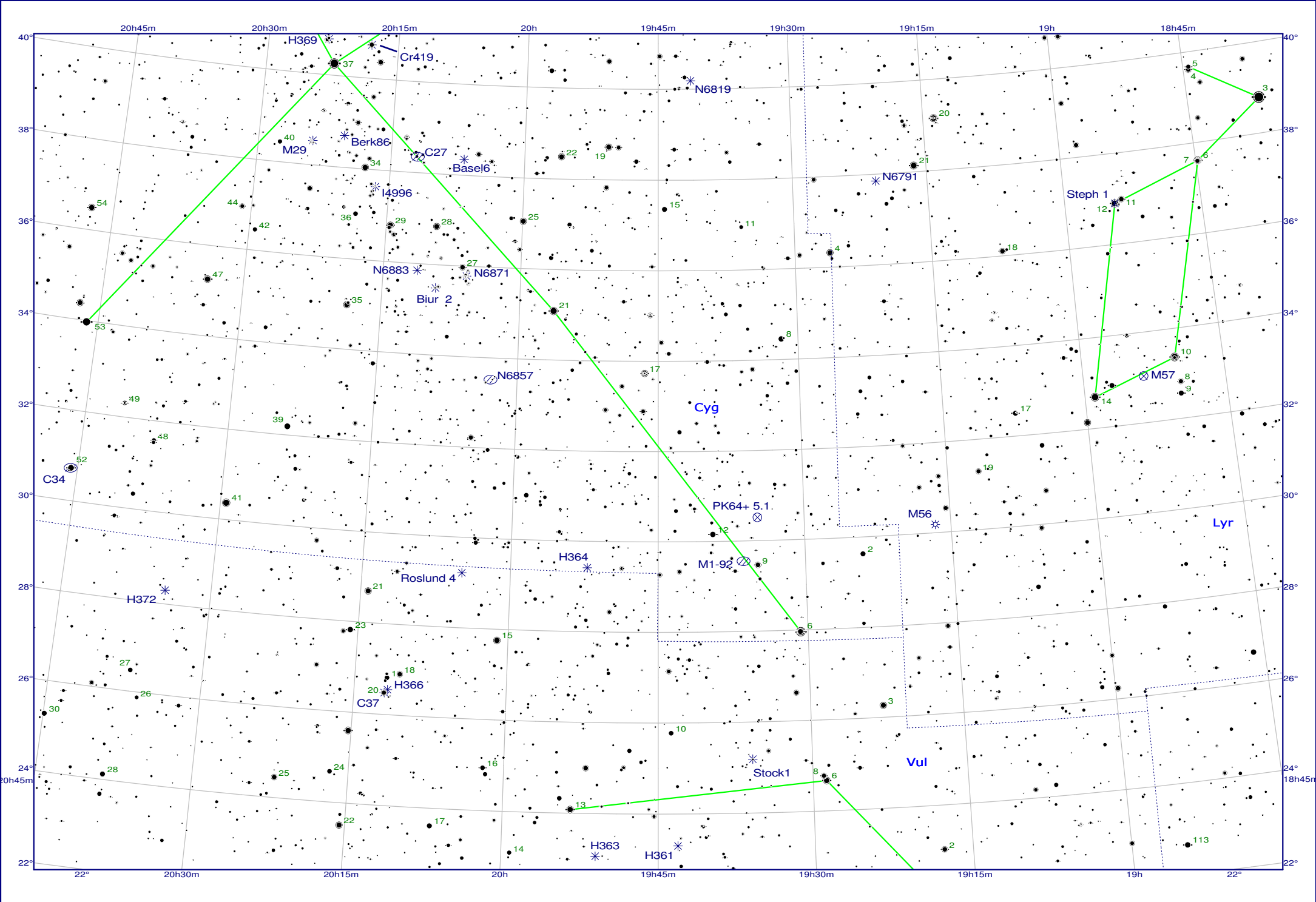
| Star map history |                                                                     |
|------------------|---------------------------------------------------------------------|
| V 1.00 (2013)    | Initial release                                                     |
| V 1.01 (2014)    | Bigger fonts, increased readability<br>Errors in object lists fixed |













| Open clusters    |        |      |             |       |      |            |      |     |     |          |        |
|------------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Cr 428           | CYG    |      |             | 8.70  |      |            |      |     |     |          | -      |
| H371             | CEP    |      |             | 7.80  | 7'   | 10x50      |      |     |     | 4100 Ly  | 6939   |
| H379             | CYG    |      |             | 8.30  | 7'   |            |      |     |     |          | 7062   |
| H380             | CYG    |      |             | 8.40  | 9'   |            |      |     |     |          | 7086   |
| H381             | CYG    |      |             | 9.70  | 3.1' |            |      |     |     |          | 7128   |
| I1369            | CYG    |      |             | 8.80  |      |            |      |     |     |          | IC1369 |
| M39              | CYG    |      |             | 5.20  | 31'  | 3.5x15     |      |     |     | 3500 Ly  | 7092   |
| N6811            | CYG    |      |             | 6.80  | 10'  | 10x50      |      |     |     | 3300 Ly  | 6811   |
| N6895            | CYG    |      |             | 12.00 |      |            |      |     |     |          | 6895   |
| N6996            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6996   |
| N6997            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6997   |
| N7031            | CYG    |      |             | 9.10  |      |            |      |     |     |          | 7031   |
| N7039            | CYG    |      |             | 7.60  |      |            |      |     |     |          | 7039   |
| N7067            | CYG    |      |             | 9.70  |      |            |      |     |     |          | 7067   |
| N7082            | CYG    |      |             | 7.20  |      |            |      |     |     |          | 7082   |
| N7234            | CEP    |      |             | 12.00 |      |            |      |     |     |          | 7234   |
| N7235            | CEP    |      |             | 7.70  |      |            |      |     |     |          | 7235   |
| Tr 37            | CEP    |      |             | 5.10  |      |            |      |     |     |          | -      |
| 18 open clusters |        |      |             |       |      |            |      |     |     |          |        |

| Galaxies   |        |      |             |       |      |            |      |     |     |          |        |
|------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object     | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C12        | CEP    |      |             | 8.90  | 10'  | 10x50      |      |     |     |          | 6946   |
| N6764      | CYG    |      |             | 11.90 |      |            |      |     |     |          | 6764   |
| 2 galaxies |        |      |             |       |      |            |      |     |     |          |        |

| Nebula   |        |      |             |      |         |            |      |     |     |          |        |
|----------|--------|------|-------------|------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name | Description | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| I1396    | CEP    |      |             | 3.50 | 2.5°x2° | 10x50      | -    | +   | -   | 2500 Ly  | IC1396 |
| 1 nebula |        |      |             |      |         |            |      |     |     |          |        |

| Planetary nebula   |        |                    |             |       |      |            |      |     |     |          |        |
|--------------------|--------|--------------------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name               | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C15                | CYG    | Blinking Planetary |             | 8.80  | 0.4' | 10x50      | ++   | +   | o   | 3000 Ly  | 6826   |
| N7026              | CYG    |                    |             | 12.00 | 25"  |            |      |     |     |          | 7026   |
| N7048              | CYG    |                    |             | 11.00 | 60"  |            |      |     |     |          | 7048   |
| 3 planetary nebula |        |                    |             |       |      |            |      |     |     |          |        |

| Open clusters    |        |      |             |       |      |            |      |     |     |          |        |
|------------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Berk 86          | CYG    |      |             | 7.90  |      |            |      |     |     |          | -      |
| C16              | LAC    |      |             | 6.40  | 20'  | 8x30       |      |     |     | 3000 Ly  | 7243   |
| Cr 419           | CYG    |      |             | 5.40  |      |            |      |     |     |          | -      |
| Cr 421           | CYG    |      |             | 10.10 |      |            |      |     |     |          | -      |
| Cr 428           | CYG    |      |             | 8.70  |      |            |      |     |     |          | -      |
| H365             | CYG    |      |             | 7.60  | 7'   |            |      |     |     |          | 6866   |
| H369             | CYG    |      |             | 7.40  | 5'   | 10x50      |      |     |     | 4000 Ly  | 6910   |
| H378             | CYG    |      |             | 11.00 | 6'   |            |      |     |     |          | 7044   |
| H379             | CYG    |      |             | 8.30  | 7'   |            |      |     |     |          | 7062   |
| H380             | CYG    |      |             | 8.40  | 9'   |            |      |     |     |          | 7086   |
| H381             | CYG    |      |             | 9.70  | 3.1' |            |      |     |     |          | 7128   |
| H384             | LAC    |      |             | 6.70  | 15'  | 8x30       |      |     |     | 3000 Ly  | 7209   |
| H387             | LAC    |      |             | 10.00 | 4'   |            |      |     |     |          | 7296   |
| I1369            | CYG    |      |             | 8.80  |      |            |      |     |     |          | IC1369 |
| I1434            | LAC    |      |             | 9.00  |      |            |      |     |     |          | IC1434 |
| I1442            | LAC    |      |             | 9.10  |      |            |      |     |     |          | IC1442 |
| I4996            | CYG    |      |             | 7.30  |      |            |      |     |     |          | IC4996 |
| M29              | CYG    |      |             | 7.10  | 6'   | 10x50      |      |     |     | 6000 Ly  | 6913   |
| M39              | CYG    |      |             | 5.20  | 31'  | 3.5x15     |      |     |     | 3500 Ly  | 7092   |
| N6895            | CYG    |      |             | 12.00 |      |            |      |     |     |          | 6895   |
| N6996            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6996   |
| N6997            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6997   |
| N7031            | CYG    |      |             | 9.10  |      |            |      |     |     |          | 7031   |
| N7039            | CYG    |      |             | 7.60  |      |            |      |     |     |          | 7039   |
| N7067            | CYG    |      |             | 9.70  |      |            |      |     |     |          | 7067   |
| N7082            | CYG    |      |             | 7.20  |      |            |      |     |     |          | 7082   |
| N7245            | LAC    |      |             | 9.20  |      |            |      |     |     |          | 7245   |
| 27 open clusters |        |      |             |       |      |            |      |     |     |          |        |

| Nebula   |        |                      |             |      |         |            |      |     |     |          |        |
|----------|--------|----------------------|-------------|------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name                 | Description | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C19      | CYG    | Cocoon Nebula        |             | 10   | 7'      | 120 mm     | -    | +   | +   | 3300 Ly  | IC5146 |
| C20      | CYG    | North America nebula |             | 4    | 1.3°    | n. eye     | +    | ++  | o   | 2000 Ly  | 7000   |
| C27      | CYG    | Crescent nebula      |             | 10   | 18'x12' | 63 mm      | ++   | ++  | -   | 6000 Ly  | 6888   |
| I5067    | CYG    |                      |             | 8.00 |         |            | ++   | ++  | o   |          | IC5067 |
| 4 nebula |        |                      |             |      |         |            |      |     |     |          |        |

| Planetary nebula   |        |      |             |       |      |            |      |     |     |          |        |
|--------------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| N7026              | CYG    |      |             | 12.00 | 25"  |            |      |     |     |          | 7026   |
| N7027              | CYG    |      |             | 9.60  | 0.3' | 50 mm      | ++   | ++  | -   | 3500 Ly  | 7027   |
| N7048              | CYG    |      |             | 11.00 | 60"  |            |      |     |     |          | 7048   |
| PK 100- 8.1        | LAC    |      | Stellar     | 11.90 | 5"   |            |      |     |     |          | -      |
| 4 planetary nebula |        |      |             |       |      |            |      |     |     |          |        |

| Open clusters    |        |      |             |       |      |            |      |     |     |          |        |
|------------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Basel 6          | CYG    |      |             | 7.70  |      |            |      |     |     |          | -      |
| Berk 86          | CYG    |      |             | 7.90  |      |            |      |     |     |          | -      |
| Cr 419           | CYG    |      |             | 5.40  |      |            |      |     |     |          | -      |
| Cr 421           | CYG    |      |             | 10.10 |      |            |      |     |     |          | -      |
| Cr 428           | CYG    |      |             | 8.70  |      |            |      |     |     |          | -      |
| H365             | CYG    |      |             | 7.60  | 7'   |            |      |     |     |          | 6866   |
| H369             | CYG    |      |             | 7.40  | 5'   | 10x50      |      |     |     | 4000 Ly  | 6910   |
| I4996            | CYG    |      |             | 7.30  |      |            |      |     |     |          | IC4996 |
| M29              | CYG    |      |             | 7.10  | 6'   | 10x50      |      |     |     | 6000 Ly  | 6913   |
| N6791            | LYR    |      |             | 9.50  |      |            |      |     |     |          | 6791   |
| N6811            | CYG    |      |             | 6.80  | 10'  | 10x50      |      |     |     | 3300 Ly  | 6811   |
| N6819            | CYG    |      |             | 7.30  |      |            |      |     |     |          | 6819   |
| N6895            | CYG    |      |             | 12.00 |      |            |      |     |     |          | 6895   |
| N6996            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6996   |
| N6997            | CYG    |      |             | 10.00 |      |            |      |     |     |          | 6997   |
| N7031            | CYG    |      |             | 9.10  |      |            |      |     |     |          | 7031   |
| Steph 1          | LYR    |      |             | 3.80  |      |            |      |     |     |          | -      |
| 17 open clusters |        |      |             |       |      |            |      |     |     |          |        |

| Galaxies   |        |      |             |       |      |            |      |     |     |          |        |
|------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object     | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| N6703      | LYR    |      |             | 11.30 |      |            |      |     |     |          | 6703   |
| N6764      | CYG    |      |             | 11.90 |      |            |      |     |     |          | 6764   |
| 2 galaxies |        |      |             |       |      |            |      |     |     |          |        |

| Nebula   |        |                      |             |      |         |            |      |     |     |          |        |
|----------|--------|----------------------|-------------|------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name                 | Description | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C20      | CYG    | North America nebula |             | 4    | 1.3°    | n. eye     | +    | ++  | o   | 2000 Ly  | 7000   |
| C27      | CYG    | Crescent nebula      |             | 10   | 18'x12' | 63 mm      | ++   | ++  | -   | 6000 Ly  | 6888   |
| I5067    | CYG    |                      |             | 8.00 |         |            | ++   | ++  | o   |          | IC5067 |
| 3 nebula |        |                      |             |      |         |            |      |     |     |          |        |

| Planetary nebula   |        |                    |             |       |      |            |      |     |     |          |        |
|--------------------|--------|--------------------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name               | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C15                | CYG    | Blinking Planetary |             | 8.80  | 0.4' | 10x50      | ++   | +   | o   | 3000 Ly  | 6826   |
| N7026              | CYG    |                    |             | 12.00 | 25"  |            |      |     |     |          | 7026   |
| 2 planetary nebula |        |                    |             |       |      |            |      |     |     |          |        |

| Open clusters   |        |      |             |      |      |            |      |     |     |          |        |
|-----------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object          | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Berk 86         | CYG    |      |             | 7.90 |      |            |      |     |     |          | -      |
| H372            | VUL    |      |             | 6.30 |      |            |      |     |     |          | 6940   |
| I4996           | CYG    |      |             | 7.30 |      |            |      |     |     |          | IC4996 |
| M29             | CYG    |      |             | 7.10 | 6'   | 10x50      |      |     |     | 6000 Ly  | 6913   |
| N7063           | CYG    |      |             | 7.00 |      |            |      |     |     |          | 7063   |
| 5 open clusters |        |      |             |      |      |            |      |     |     |          |        |

| Galaxies   |        |      |             |       |      |            |      |     |     |          |        |
|------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object     | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| H385       | PEG    |      |             | 10.20 | 4'   |            |      |     |     |          | 7217   |
| N7013      | CYG    |      |             | 11.30 |      |            |      |     |     |          | 7013   |
| 2 galaxies |        |      |             |       |      |            |      |     |     |          |        |

| Nebula   |        |                 |             |      |         |            |      |     |     |          |        |
|----------|--------|-----------------|-------------|------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name            | Description | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C27      | CYG    | Crescent nebula |             | 10   | 18'x12' | 63 mm      | ++   | ++  | -   | 6000 Ly  | 6888   |
| C33      | CYG    | Cirrus East     |             | 7    | 55'x5'  | 8x30       |      |     |     | 2000 Ly  | 6992   |
| C34      | CYG    | Cirrus West     |             | 7    | 45'x5'  | 10x50      | ++   | +   | -   | 2000 Ly  | 6960   |
| 3 nebula |        |                 |             |      |         |            |      |     |     |          |        |

| Open clusters    |        |      |                                                           |       |      |            |      |     |     |          |        |
|------------------|--------|------|-----------------------------------------------------------|-------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Description                                               | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| Basel 6          | CYG    |      |                                                           | 7.70  |      |            |      |     |     |          | -      |
| Berk 86          | CYG    |      |                                                           | 7.90  |      |            |      |     |     |          | -      |
| Biur 2           | CYG    |      |                                                           | 6.30  |      |            |      |     |     |          | -      |
| C37              | VUL    |      | very bright, very large, rich in stars, little compressed | 5.90  | 20'  |            |      |     |     | 1929 Ly  | 6885   |
| Cr 419           | CYG    |      |                                                           | 5.40  |      |            |      |     |     |          | -      |
| H361             | VUL    |      |                                                           | 7.10  |      |            |      |     |     |          | 6823   |
| H363             | VUL    |      |                                                           | 7.90  | 12'  |            |      |     |     |          | 6830   |
| H364             | CYG    |      |                                                           | 7.80  | 5'   |            |      |     |     |          | 6834   |
| H366             | VUL    |      |                                                           | 8.10  | 18'  |            |      |     |     |          | 6882   |
| H369             | CYG    |      |                                                           | 7.40  | 5'   | 10x50      |      |     |     | 4000 Ly  | 6910   |
| H372             | VUL    |      |                                                           | 6.30  |      |            |      |     |     |          | 6940   |
| I4996            | CYG    |      |                                                           | 7.30  |      |            |      |     |     |          | IC4996 |
| M29              | CYG    |      |                                                           | 7.10  | 6'   | 10x50      |      |     |     | 6000 Ly  | 6913   |
| N6791            | LYR    |      |                                                           | 9.50  |      |            |      |     |     |          | 6791   |
| N6819            | CYG    |      |                                                           | 7.30  |      |            |      |     |     |          | 6819   |
| N6871            | CYG    |      |                                                           | 5.20  | 25'  | 8x30       |      |     |     | 5700 Ly  | 6871   |
| N6883            | CYG    |      |                                                           | 8.00  |      |            |      |     |     |          | 6883   |
| Roslund 4        | VUL    |      |                                                           | 10.00 |      |            |      |     |     |          | -      |
| Steph 1          | LYR    |      |                                                           | 3.80  |      |            |      |     |     |          | -      |
| Stock 1          | VUL    |      |                                                           | 5.30  | 1°   | n. eye     |      |     |     |          | -      |
| 20 open clusters |        |      |                                                           |       |      |            |      |     |     |          |        |

| Globular clusters  |        |      |             |      |      |            |      |     |     |          |        |
|--------------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| M56                | LYR    |      |             | 8.30 | 3'   | 10x50      |      |     |     | 30000 Ly | 6779   |
| 1 globular cluster |        |      |             |      |      |            |      |     |     |          |        |

| Nebula   |        |                 |             |       |         |            |      |     |     |          |        |
|----------|--------|-----------------|-------------|-------|---------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name            | Description | Vmag  | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C27      | CYG    | Crescent nebula |             | 10    | 18'x12' | 63 mm      | ++   | ++  | -   | 6000 Ly  | 6888   |
| C34      | CYG    | Cirrus West     |             | 7     | 45'x5'  | 10x50      | ++   | +   | -   | 2000 Ly  | 6960   |
| M1-92    | CYG    |                 |             | 11.70 |         |            |      |     |     |          | -      |
| N6857    | CYG    |                 |             | 11.40 |         |            |      |     |     |          | 6857   |
| 4 nebula |        |                 |             |       |         |            |      |     |     |          |        |

| Planetary nebula   |        |                          |             |      |      |            |      |     |     |          |        |
|--------------------|--------|--------------------------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name                     | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| M57                | LYR    | Ring nebula              |             | 8.80 | 1.2' | 8x30       | +    | +   | -   | 1800 Ly  | 6720   |
| PK 64+ 5.1         | CYG    | Campbell's hydrogen star |             | 9.60 | 35"  | 320x       |      |     |     |          | -      |
| 2 planetary nebula |        |                          |             |      |      |            |      |     |     |          |        |