

| Open clusters   |        |      |             |      |      |            |      |     |     |          |        |
|-----------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object          | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C1              | CEP    |      |             | 8.10 | 10'  | 63 mm      |      |     |     |          | 188    |
| C16             | LAC    |      |             | 6.40 | 20'  | 8x30       |      |     |     | 3000 Ly  | 7243   |
| M39             | CYG    |      |             | 5.20 | 31'  | 3.5x15     |      |     |     | 3500 Ly  | 7092   |
| M52             | CAS    |      |             | 7.30 | 10'  | 8x30       |      |     |     | 4600 Ly  | 7654   |
| 4 open clusters |        |      |             |      |      |            |      |     |     |          |        |

| Galaxies         |        |      |             |      |      |            |      |     |     |          |        |
|------------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C12              | CEP    |      |             | 8.90 | 10'  | 10x50      |      |     |     |          | 6946   |
| 1 <i>galaxie</i> |        |      |             |      |      |            |      |     |     |          |        |

| Nebula   |        |                      |             |      |      |            |      |     |     |          |        |
|----------|--------|----------------------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object   | Const. | Name                 | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C4       | CEP    |                      |             | 7.1  | 10'  | 80 mm      | o    | o   | -   |          | 7023   |
| C9       | CEP    |                      |             | 7.6  | 50'  |            |      |     |     |          | -      |
| C11      | CAS    | Bubble nebula        |             | 11   | 1'   | 120 mm     | ++   | +   | -   | 7100 Ly  | 7635   |
| 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   |
| 5 nebula |        |                      |             |      |      |            |      |     |     |          |        |

| Planetary nebula   |        |      |             |       |      |            |      |     |     |          |        |
|--------------------|--------|------|-------------|-------|------|------------|------|-----|-----|----------|--------|
| Object             | Const. | Name | Description | Vmag  | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C2                 | CEP    |      |             | 12.40 | 1'   | 80 mm      | o    | +   | o   |          | 40     |
| 1 planetary nebula |        |      |             |       |      |            |      |     |     |          |        |

| Double stars  |        |      |             |           |      |            |      |     |     |          |        |
|---------------|--------|------|-------------|-----------|------|------------|------|-----|-----|----------|--------|
| Object        | Const. | Name | Description | Vmag      | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| δ Cep         | CEP    |      | 191 ° / 41" | 3.4 / 6.3 |      |            |      |     |     |          |        |
| 1 double star |        |      |             |           |      |            |      |     |     |          |        |

| Variable stars   |        |                 |               |            |      |            |      |     |     |          |        |
|------------------|--------|-----------------|---------------|------------|------|------------|------|-----|-----|----------|--------|
| Object           | Const. | Name            | Description   | Vmag       | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| δ Cep            | CEP    | The garnet star | 5.4 days      | 3.4 / 4.2  |      |            |      |     |     |          |        |
| μ Cep            | CEP    |                 | 730 days      | 3.4 / 5.1  |      |            |      |     |     |          |        |
| ρ Cep            | CEP    |                 | 100-1000 days | 4.1 / 6.1  |      |            |      |     |     |          |        |
| T Cep            | CEP    |                 | 390 days      | 5.3 / 11.2 |      |            |      |     |     |          |        |
| 4 variable stars |        |                 |               |            |      |            |      |     |     |          |        |

