

# PUPPIS overview (Messier and Caldwell objects)

17 Objects

| Open clusters          |        |      |                                              |      |         |            |      |     |     |          |        |
|------------------------|--------|------|----------------------------------------------|------|---------|------------|------|-----|-----|----------|--------|
| Object                 | Const. | Name | Description                                  | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C54                    | MON    |      | pretty large, very rich in stars, compressed | 7.60 | 12'     |            |      |     |     | 10000 Ly | 2506   |
| C58                    | CMA    |      |                                              | 7.20 | 8'      | 10x50      |      |     |     | 5000 Ly  | 2360   |
| C64                    | CMA    |      |                                              | 4.10 | 8'      | 63 mm      |      |     |     | 5000 Ly  | 2362   |
| C71                    | PUP    |      |                                              | 5.80 | 25'     | 8x30       |      |     |     | 5000 Ly  | 2477   |
| M41                    | CMA    |      |                                              | 4.60 | 40'     | n. eye     |      |     |     | 2500 Ly  | 2287   |
| M46                    | PUP    |      |                                              | 6.00 | 20'x15' | 3.5x15     |      |     |     | 6000 Ly  | 2437   |
| M47                    | PUP    |      |                                              | 5.20 | 30'x20' | n. eye     |      |     |     | 1800 Ly  | 2422   |
| M50                    | MON    |      |                                              | 6.30 | 20'     | 8x30       |      |     |     | 3500 Ly  | 2323   |
| M93                    | PUP    |      |                                              | 6.00 | 25'     | 8x30       |      |     |     | 4000 Ly  | 2447   |
| <b>9 open clusters</b> |        |      |                                              |      |         |            |      |     |     |          |        |

| Globular clusters          |        |      |             |      |      |            |      |     |     |          |        |
|----------------------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object                     | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C73                        | COL    |      |             | 7.30 | 4'   | 8x30       |      |     |     | 40000 Ly | 1851   |
| C79                        | VEL    |      |             | 6.70 | 5'   | 8x30       |      |     |     | 16000 Ly | 3201   |
| M79                        | LEP    |      |             | 7.70 | 5'   | 10x50      |      |     |     | 42000 Ly | 1904   |
| <b>3 globular clusters</b> |        |      |             |      |      |            |      |     |     |          |        |

| Nebula          |        |                    |             |      |         |            |      |     |     |          |        |
|-----------------|--------|--------------------|-------------|------|---------|------------|------|-----|-----|----------|--------|
| Object          | Const. | Name               | Description | Vmag | Size    | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| M42             | ORI    | Great Orion nebula |             | 4.00 | 25'x30' | n. eye     | +    | ++  | o   | 1400 Ly  | 1976   |
| M43             | ORI    |                    |             | 9.00 | 6'x3'   | 10x50      | o    | +   | ++  | 1400 Ly  | 1982   |
| <b>2 nebula</b> |        |                    |             |      |         |            |      |     |     |          |        |

| Planetary nebula          |        |      |             |      |      |            |      |     |     |          |        |
|---------------------------|--------|------|-------------|------|------|------------|------|-----|-----|----------|--------|
| Object                    | Const. | Name | Description | Vmag | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| C74                       | VEL    |      |             | 9.40 | 0.8' | 50 mm      |      |     |     | 5000 Ly  | 3132   |
| <b>1 planetary nebula</b> |        |      |             |      |      |            |      |     |     |          |        |

| Double stars         |        |           |             |           |      |            |      |     |     |          |        |
|----------------------|--------|-----------|-------------|-----------|------|------------|------|-----|-----|----------|--------|
| Object               | Const. | Name      | Description | Vmag      | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| ξ Pup                | PUP    | Azmidiske | 229° / 288" | 3.3 / 5.3 |      |            |      |     |     |          |        |
| <b>1 double star</b> |        |           |             |           |      |            |      |     |     |          |        |

| Variable stars         |        |      |             |           |      |            |      |     |     |          |        |
|------------------------|--------|------|-------------|-----------|------|------------|------|-----|-----|----------|--------|
| Object                 | Const. | Name | Description | Vmag      | Size | Instrument | OIII | UHC | H-β | Distance | NGC/IC |
| L2 Pup                 | PUP    |      | 141 Days    | 2.6 / 6.2 |      |            |      |     |     |          |        |
| <b>1 variable star</b> |        |      |             |           |      |            |      |     |     |          |        |

