



# Southern Sentinel Observing Session Notes

Observing Session - Friday 25th April 2003

Date: 25 Apr 2002 (Local)  
Time: 2000-2300 NZDT (UT +12)  
Location: Pauanui, Coromandel Peninsula.  
120 Minutes From Home.  
Weather: Clear, Mild and Calm conditions.  
Seeing: Limiting Magnitude 5.5, transparency 3.5/5, seeing 4/5  
Moon: No Moon (Small Waxing Moon, Set)  
Equipment: 13.1" F5 Dob with Paracorr, TeleVue Eyepieces, UHC Filter

The day was fine in the Coromandel and after a good cool down period the telescope was in peak form for an excellent nights viewing. No travel to a dark site tonight, as the skies were only a few steps outside.

The conditions were near perfect and again very mild with no dew.

The evening would again be focused on the logging of objects in the Virgo Coma region. Starting from Denebola this time the observing would slowly work toward Porphora.

Objects seen were;

| Object   | Type             | Altitude | Magnification | Eyepiece                   |
|----------|------------------|----------|---------------|----------------------------|
| -----    | ----             | -----    | -----         | -----                      |
| NGC 3432 | Galaxy           | 15.2°    | 72x           | TeleVue 27mm Panoptic      |
| NGC 4064 | Galaxy           | 28.6°    | 72x           | TeleVue 27mm Panoptic      |
| NGC 4147 | Globular Cluster | 28.1°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4152 | Galaxy           | 30.6°    | 114x          | TeleVue 17mm Nagler Type 4 |
| M 98     | Galaxy           | 31.4°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4237 | Galaxy           | 30.7°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4262 | Galaxy           | 31.0°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4298 | Galaxy           | 31.4°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4302 | Galaxy           | 32.2°    | 161x          | TeleVue 12mm Nagler Type 2 |
| M 99     | Galaxy           | 32.6°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4208 | Galaxy           | 33.8°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4459 | Galaxy           | 32.6°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4216 | Galaxy           | 35.1°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4206 | Galaxy           | 35.3°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4168 | Galaxy           | 35.5°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4193 | Galaxy           | 35.6°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4189 | Galaxy           | 35.4°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4267 | Galaxy           | 35.8°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4299 | Galaxy           | 37.1°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4294 | Galaxy           | 37.2°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4313 | Galaxy           | 37.2°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4429 | Galaxy           | 37.5°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4442 | Galaxy           | 38.8°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4470 | Galaxy           | 40.6°    | 114x          | TeleVue 17mm Nagler Type 4 |
| NGC 4464 | Galaxy           | 40.3°    | 114x          | TeleVue 17mm Nagler Type 4 |
| M 49     | Galaxy           | 40.4°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4526 | Galaxy           | 40.8°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4535 | Galaxy           | 40.4°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4519 | Galaxy           | 40.1°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4371 | Galaxy           | 38.3°    | 161x          | TeleVue 12mm Nagler Type 2 |
| NGC 4570 | Galaxy           | 41.5°    | 161x          | TeleVue 12mm Nagler Type 2 |

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|          |                  |       |      |                            |
|----------|------------------|-------|------|----------------------------|
| NGC 4612 | Galaxy           | 41.1° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4698 | Galaxy           | 39.5° | 161x | TeleVue 12mm Nagler Type 2 |
| M 58     | Galaxy           | 37.8° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4624 | Galaxy           | 45.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4636 | Galaxy           | 46.3° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4643 | Galaxy           | 47.0° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4527 | Galaxy           | 47.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4536 | Galaxy           | 48.0° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4586 | Galaxy           | 45.8° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4179 | Galaxy           | 50.7° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4077 | Galaxy           | 50.6° | 72x  | TeleVue 27mm Panoptic      |
| NGC 4073 | Galaxy           | 50.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4063 | Galaxy           | 50.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4045 | Galaxy           | 50.7° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4178 | Galaxy           | 41.8° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4119 | Galaxy           | 42.4° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4224 | Galaxy           | 45.1° | 72x  | TeleVue 27mm Panoptic      |
| NGC 4233 | Galaxy           | 45.0° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4235 | Galaxy           | 45.5° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4365 | Galaxy           | 45.2° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4343 | Galaxy           | 45.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4342 | Galaxy           | 45.5° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4339 | Galaxy           | 46.6° | 161x | TeleVue 12mm Nagler Type 2 |
| M 61     | Galaxy           | 48.3° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4281 | Galaxy           | 47.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4277 | Galaxy           | 47.7° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4273 | Galaxy           | 47.7° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4270 | Galaxy           | 47.6° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4268 | Galaxy           | 47.8° | 114x | TeleVue 17mm Nagler Type 4 |
| NGC 4259 | Galaxy           | 47.7° | 161x | TeleVue 12mm Nagler Type 2 |
| NGC 4264 | Galaxy           | 47.3° | 72x  | TeleVue 27mm Panoptic      |
| NGC 4261 | Galaxy           | 47.3° | 114x | TeleVue 17mm Nagler Type 4 |
| NGC 4260 | Galaxy           | 47.0° | 72x  | TeleVue 27mm Panoptic      |
| NGC 4241 | Galaxy           | 46.4° | 72x  | TeleVue 27mm Panoptic      |
| NGC 5844 | Planetary Nebula | 53.6° | 161x | TeleVue 12mm Nagler Type 2 |

With the good conditions the opportunity to observe at higher power was taken. 3 hours of observing before the wind picked up. The Virgo and southern Coma galaxy supercluster has now been logged, fully completing the Herschel lists in this region.

Tough objects ; None of note. There were faint galaxies but all were spotted and logged.

Memorable objects ; M61 was the definite highlight and NGC5844 a small planetary in Triangulum Australe. Large bright Messier objects were enjoyed also.

Cheers.

Paul Kemp  
 13.1" Reflector  
 Auckland, New Zealand  
 36° 55' 16" South, 174° 43' 30" East

-- The Southern Sentinel --