



Southern Sentinel Observing Session Notes

Observing Session - Monday 29th July

Date: 29 Jul 2002 (Local)
Time: 1900-2130 NZST (UT +12)
Location: Wenderholm Regional Park - North Auckland
-- Kms, 45 Minutes from home
Weather: Cold, No Cloud, Moderate Breeze
Seeing: Limiting Magnitude 5.5, transparency 3-4/5, seeing 2-3/5
Moon: No Moon (Third Quarter Moon)
Equipment: 13.1" F5 Dob with Paracorr, TeleVue Eyepieces, UHC Filter

Cloudless, Moonless conditions at Wenderholm Regional Park again. The third rural sky evening in one month. Probably a record.

Arrived at 7:00 PM for a 2 1/2 hour look at the sky. Dave Moorhouse arrived 10 minutes later and Guy arrived on his motorbike about an hour later. Conditions were cool with a moderate breeze, which died to nothing by 9 PM. Even though we had 100% clear skies I am sure there were period where there was very high cloud reducing the transparency. Seeing was very average and every time the 12mm Nagler was our the viewing was useless. The 27mm Pan was the eyepiece for the whole evening.

I concentrated on Ophiuchus, Aquila and Sagittarius this evening. A lot of Dark Nebulae

Objects seen were;

Object	Type	Altitude	Magnification	Eyepiece
M 92	Globular cluster	9.9°	72x	TeleVue 27mm Panoptic
M 13	Globular cluster	15.6°	72x	TeleVue 27mm Panoptic
NGC 6124	Open cluster	76.5°	72x	TeleVue 27mm Panoptic
NGC 6139	Globular cluster	77.2°	72x	TeleVue 27mm Panoptic
NGC 6852	Planetary nebula	37.5°	72x	TeleVue 27mm Panoptic
NGC 5286	Globular cluster	51.4°	72x	TeleVue 27mm Panoptic
NGC 5307	Planetary nebula	52.1°	72x	TeleVue 27mm Panoptic
Neptune	Planet	36.5°	72x	TeleVue 27mm Panoptic
NGC 6426	Globular cluster	47.2°	72x	TeleVue 27mm Panoptic
NGC 6535	Globular cluster	48.7°	72x	TeleVue 27mm Panoptic
Barnard's Star	Star	43.5°	72x	TeleVue 27mm Panoptic
NGC 6709	Open cluster	32.1°	72x	TeleVue 27mm Panoptic
NGC 6755	Open cluster	34.6°	72x	TeleVue 27mm Panoptic
NGC 6781	Planetary nebula	31.2°	72x	TeleVue 27mm Panoptic
Proxima Centauri	Star	59.7°	72x	TeleVue 27mm Panoptic
IC 1295	Planetary nebula	40.1°	72x	TeleVue 27mm Panoptic
NGC 6712	Globular cluster	40.3°	72x	TeleVue 27mm Panoptic
M 26	Open cluster	42.2°	72x	TeleVue 27mm Panoptic
NGC 6664	Open cluster	43.0°	72x	TeleVue 27mm Panoptic
B108	Dark nebula	39.3°	72x	TeleVue 27mm Panoptic
M 11	Open cluster	39.0°	72x	TeleVue 27mm Panoptic
B112	Dark nebula	39.3°	72x	TeleVue 27mm Panoptic
B104	Dark nebula	38.5°	72x	TeleVue 27mm Panoptic
NGC 6704	Open cluster	38.3°	72x	TeleVue 27mm Panoptic
B110	Dark nebula	38.2°	72x	TeleVue 27mm Panoptic
B 63	Dark nebula	62.2°	72x	TeleVue 27mm Panoptic
B 62	Dark nebula	61.8°	72x	TeleVue 27mm Panoptic
B 61	Dark nebula	61.7°	72x	TeleVue 27mm Panoptic

NGC 6356	Globular cluster	58.5°	72x	TeleVue 27mm Panoptic
NGC 6342	Globular cluster	60.1°	72x	TeleVue 27mm Panoptic
B 64	Dark nebula	60.1°	72x	TeleVue 27mm Panoptic
M 9	Globular cluster	59.7°	72x	TeleVue 27mm Panoptic
B 50	Dark nebula	68.1°	72x	TeleVue 27mm Panoptic
NGC 6072	Planetary nebula	78.5°	72x	TeleVue 27mm Panoptic

Another Double object tonight was good. NGC6712 (Globular) and IC1295. M9 and the dark nebula B64 along with M11 and the two adjacent dark nebulae B108 & B112. M92 was memorable.

Proxima was good to find for the first time along with Barnard's Star.

No galaxies observed this evening...probably a first.

Tough objects ; No excessively tough objects tonight due to the seeing.
 Memorable objects ; Low Northern objects M92 & M13 in Hercules

Cheers.

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

-- The Southern Sentinel --