



Southern Sentinel Observing Session Notes

Observing Session - Thursday 24th April 2003

Date: 24 Apr 2002 (Local)
Time: 2145-2345 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 3/5
Moon: No Moon (Small Waxing Moon, Set)
Equipment: 13.1" F5 Dob with Paracorr, TeleVue Eyepieces, UHC Filter

After a break of three weeks this time, Michelle and I planned a long weekend at Pauanui with the inclusion of Anzac Day. The weather looked to be pretty good and was liked to be settled for the whole weekend. Arriving from Auckland at 9 PM at Pauanui, I was observing 45 minutes later after the obligatory unpacking and settling in.

The conditions were mild and clear. The skies were dark and through the gap in the large pines a dark Northeast aspect presented a good chance to work at the Virgo Cluster again. There was no dew all night and the seeing was average to good.

The plan for the whole weekend was the systematic logging of the whole Virgo Coma Berenices region. This would start tonight from Vindemiatrix past Rho Virginis.

Objects seen were;

Object	Type	Altitude	Magnification	Eyepiece
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NGC 4689	Galaxy	36.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4762	Galaxy	38.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4754	Galaxy	38.5°	114x	TeleVue 17mm Nagler Type 4
NGC 4880	Galaxy	36.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4866	Galaxy	35.5°	114x	TeleVue 17mm Nagler Type 4
NGC 4654	Galaxy	38.1°	114x	TeleVue 17mm Nagler Type 4
NGC 4639	Galaxy	38.1°	114x	TeleVue 17mm Nagler Type 4
NGC 4710	Galaxy	35.9°	114x	TeleVue 17mm Nagler Type 4
M 90	Galaxy	38.7°	114x	TeleVue 17mm Nagler Type 4
NGC 4571	Galaxy	37.9°	114x	TeleVue 17mm Nagler Type 4
M 91	Galaxy	37.7°	114x	TeleVue 17mm Nagler Type 4
M 88	Galaxy	38.0°	114x	TeleVue 17mm Nagler Type 4
NGC 4419	Galaxy	37.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4379	Galaxy	37.2°	114x	TeleVue 17mm Nagler Type 4
M 100	Galaxy	37.0°	114x	TeleVue 17mm Nagler Type 4
NGC 4312	Galaxy	37.3°	114x	TeleVue 17mm Nagler Type 4
NGC 4340	Galaxy	36.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4350	Galaxy	36.3°	114x	TeleVue 17mm Nagler Type 4
NGC 4450	Galaxy	35.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4394	Galaxy	34.8°	114x	TeleVue 17mm Nagler Type 4
M 85	Galaxy	34.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4336	Galaxy	33.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4293	Galaxy	34.7°	114x	TeleVue 17mm Nagler Type 4
M 4	Globular Cluster	37.9°	114x	TeleVue 17mm Nagler Type 4
M 7	Open Cluster	25.1°	19x	25mm Crosshair
M 6	Open Cluster	26.7°	19x	25mm Crosshair
NGC 6397	Globular Cluster	36.1°	114x	TeleVue 17mm Nagler Type 4
NGC 4608	Galaxy	43.0°	114x	TeleVue 17mm Nagler Type 4

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NGC 4596	Galaxy	42.9°	114x	TeleVue 17mm Nagler Type 4
NGC 4660	Galaxy	41.9°	114x	TeleVue 17mm Nagler Type 4
NGC 4647	Galaxy	41.5°	114x	TeleVue 17mm Nagler Type 4
M 60	Galaxy	41.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4638	Galaxy	41.7°	114x	TeleVue 17mm Nagler Type 4
M 59	Galaxy	41.5°	114x	TeleVue 17mm Nagler Type 4
NGC 4568	Galaxy	41.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4567	Galaxy	41.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4564	Galaxy	41.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4551	Galaxy	40.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4550	Galaxy	40.6°	114x	TeleVue 17mm Nagler Type 4
M 89	Galaxy	40.3°	114x	TeleVue 17mm Nagler Type 4
NGC 4478	Galaxy	40.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4476	Galaxy	40.2°	114x	TeleVue 17mm Nagler Type 4
M 87	Galaxy	40.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4479	Galaxy	38.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4477	Galaxy	38.8°	114x	TeleVue 17mm Nagler Type 4
NGC 4473	Galaxy	39.0°	114x	TeleVue 17mm Nagler Type 4
NGC 4461	Galaxy	39.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4458	Galaxy	39.1°	114x	TeleVue 17mm Nagler Type 4
NGC 4440	Galaxy	40.0°	114x	TeleVue 17mm Nagler Type 4
NGC 4438	Galaxy	39.3°	114x	TeleVue 17mm Nagler Type 4
NGC 4435	Galaxy	39.2°	114x	TeleVue 17mm Nagler Type 4
NGC 4431	Galaxy	40.0°	114x	TeleVue 17mm Nagler Type 4
NGC 4425	Galaxy	39.5°	114x	TeleVue 17mm Nagler Type 4
NGC 4413	Galaxy	39.6°	114x	TeleVue 17mm Nagler Type 4
NGC 4402	Galaxy	39.1°	114x	TeleVue 17mm Nagler Type 4
NGC 4388	Galaxy	39.5°	114x	TeleVue 17mm Nagler Type 4
NGC 4387	Galaxy	39.4°	114x	TeleVue 17mm Nagler Type 4
M 86	Galaxy	39.3°	114x	TeleVue 17mm Nagler Type 4
M 84	Galaxy	39.3°	114x	TeleVue 17mm Nagler Type 4
NGC 5466	Globular Cluster	23.8°	114x	TeleVue 17mm Nagler Type 4
M 3	Globular Cluster	24.6°	114x	TeleVue 17mm Nagler Type 4

While conditions were good for viewing the 17mm Nagler was the best eyepiece for the evening. Excellent progress was made until a breeze kicked in just before midnight. Finishing with Markarian's chain all the Herschel objects and Best of NSOG objects and a few extras.

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

Memorable objects ; Markarian's Chain. M87

Cheers.

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

-- The Southern Sentinel --