



M33 – Pinwheel Galaxy

Date/time:

27.07.2009 02:40 to 27.07.2009 04:15

28.07.2009 01:35 to 28.07.2009 02:38

Az./Alt. positions:

Written by Admilson Pinto

Friday, 30 January 2009 00:00 - Last Updated Monday, 24 August 2009 11:01

86° / 43° to 104° / 59°

76° / 32° to 85° / 42°

Ambient conditions: 22°C to 25°C, transparency 5/5, seeing 5/5

Location: Monte Amiata, Agriturismo Poggiobello, Italy

Equipment:

Optics: TMB 130 SS f/7 with TSFlat 2

Mount: CGE

Guiding: selfguiding with ST-4000XCM

Camera: SBIG ST-4000XCM

Filter: No

Acquisition:

Software: CCDSoft V5

FOV, Image scale: 57.2 x 57.2 arcmin, 1.68 arcs/pixel

Sub-exposures: 2h 10min (8 x 10min at −15°C + 5 x 10min at −10°C),

50 x 10min dark frames at −10°C and −15°C,

30 x 0.05s EL flats at −5°C

50 bias at −5°C for flats calibration

Processing:

Images Plus 3.75: Calibration, stacking, DDP, background highlight smoothing.

CS3: Curves, Match color, GradientXterminator, selective High Pass on galaxy core and arms.

Pixinsight LE 1.0: green cast elimination.

Comments:

Excellent dark site near Monte Amiata (South Tuscany, Italy) at 900m height. Good result, considering the relatively short total exposure time.

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