



IC 5146 – Cocoon Nebula

Date/time:

11.09.2009 22:00 to 23:00

22.09.2009 21:45 to 23:00

25.09.2009 20:40 to 23:00

Az./Alt. positions:

85° / 69° to 97° / 79°

89° / 74° to 125° / 86°

81° / 65° to 152° / 87°

Ambient conditions: 10°C,

transparency 3/5 to 5/5, seeing: 3/5 to 4/5

Location: Trier, Germany

Equipment:

Optics: TMB 130 SS f/7 with TSFlat 2

Mount: CGE

Guiding: selfguiding with ST-4000XCM

Camera: SBIG ST-4000XCM

Filter: IDAS LPS

Acquisition:

Software: Maxim DL 5

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

Sub-exposures: 4h 10min (25 x 10min) lights at -20°C with dithering,

100 x 10min dark frames

40 Flats calibrated with 100 Bias

Processing:

Images plus 3.75: Calibration, Normalized Median Combine, DDP.

CS3: Curves and levels adjustments, Match Color, Smart Sharpen, Carbonis Actions, final noise reduction of background with Noiseware Professional.

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