



■ **M 20 - The Trifid Nebula**

Date/time:

12.08.2010 21:50 to 12.08.2010 22:05

Az./Alt. positions: 180° / 24° to 182° / 24°

Ambient conditions: 20°C, transparency 3/5, seeing 3/5, cloudy

Location: Villa Tatti, Tuscany, Italy

Equipment:

Telescope: Deltagraph 300mm f/3.3

Mount: CGE

Camera: SXVF-M25C

Guiding scope: Orion short tube 80mm f/5

Guiding camera: ATIK 16IC

Filters: IDAS LPS

Acquisition:

Software: Maxim DL 5

FOV, Image scale: 62.5 x 54.8 arcmin, 1.62 arcs/pixel

Sub-exposures: 15 min (5 x 3min) light frames

No darks, 100 bias, 50x0.2s flats

Processing:

Images Plus 3.75: Calibration of light frames with bias and flats, DDP

Maxim DL: Stacking of calibrated frames with SDMask, Color balance R85:G100:B120

CS3: Levels, GradientXterminator, noise reduction with Carbonis Actions

Comments:

This object was very low on horizon and was highly effected by sky glow and light polllution. Nevertheless the S/N surprised me and the quality for only 15 min total exposure is acceptable. The flat and light frames have been calibrated with the same masterbias taken at about 18° C.

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