



M 08 – Lagoon Nebula

Date/time: 25.07.2009 23:40 to 26.07.2009 02:15

Az./Alt. positions: 187° / 21° to 221° / 9.5°

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

Location: Monte Amiata, Agriturismo Poggiobello, Italy

Equipment:

Optics: TMB 92 SS f/5.5 with TSFlat 2

Mount: CGE

Guiding: selfguiding with ST-4000XCM

Camera: SBIG ST-4000XCM

Filters: No

Acquisition:

Software: CCDSoft V5

FOV, Image scale: 100.9 x 100.9 arcmin, 3,01 arcs/pixel

Sub-exposures: 2h (12 x 10min) lights at -15°C ,

50 x 10min dark frames,

30 x 0.02s EL flats at -10°C

50 bias at -10°C for flats calibration

Processing:

Steps in Images Plus 3.75: Calibration, ExcAvg combine, DDP, neutralize background, background/highlight smoothing, brightness Levels, Adaptive Richardson-Lucy deconvolution, Gaussian noise reduction. Residual gradient eliminated with GradientXterminator in CS3.

Comments:

Excellent dark site near Monte Amiata (South Tuscany, Italy) at 900m above sea level. No LPS filters were necessary and imaging was possible up to very low altitudes. Some more exposure time would bring more faint details of the nebula.

{downloader mode="level" level="public" file="nebulae/m08_2009-07-25_full.jpg"}