



**Rho Ophiuchi cloud complex**

Date: 02.09.2013 and 03.09.2013

Ambient conditions: 22°C

Location: Crisopolis, Brazil

**Equipment:**

Telescope: FSQ-106EDX f/3.6

Mount: ASA DDM60

Camera: SXVF-H36

Guiding: No guiding

Filters: LRGB Astronomik

**Acquisition:**

Software: Maxim DL 5

FOV, Image scale: 327 x 219 arcmin, 4.0 arcs/pixel

Sub-exposures: L 80min 1x1 / R 30min 2x2 / G 60min 2x2 / B 20min 2x2 (10 min light frames)

Calibration: Flats and Darks

**Processing:**

CCDStack: Calibration, registering, Mean stacking

ExCalibrator: RGB factors

CS5: LRGB composite, Curves, Levels, Color adjustments

**Comments:**

Many difficulties with this object: a) lights taken at variable weather conditions, so only a few frames could be used; b) spacer for Tak reducer was wrong, so oval stars at the corners can be seen; c) object very low on horizon and d) gradients created by street illumination on some color images.

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