

# SARA RM Observatory Details

## Observatory Location

- Time Zone UTC+0
- Longitude +28° 45'40".2
- Latitude 17°52'41".1 W
- Elevation 2369 m

## Telescope Parameters

- 1.0 m aperture
- f/ratio 8
  - Uses a Harmer Wynne field corrector
- field diameter 34.4 arcmin
- plate scale 13.8 arcsec/mm
- typical seeing ~1 arcsec

## Instrumentation

- Andor Ikon-L primary imager ([Manual](#) )
  - 2048x2048 13.5 μm pixels
  - TE cooled to -50C, negligible dark current
- QSI guide camera
- additional instrument port
- Filters

WHEEL 1	WHEEL 2
Empty	Empty
UV Block	UV Block
Johnson_U	Sloan u'2
Johnson_B	Sloan g'2
Johnson_V	Sloan r'2
Cousins_R	Sloan i'2

Cousins_I	Sloan z'2
UA_510-10	Sloan z_s2
Empty	OIII 5007 50A
Empty	H-Alpha 6563 - 50A

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