

Spectroscopic Record Sheet



Details on acquisitions

Object Pa 161

Coordinates (J2000) 19:43:28.58 -13:44:59.40

Type Possible PN

Observation date 26.324/04/2023

Weather conditions

Observer 2SPOT

Location Deep Sky Chile (CL)

Mount 10 Micron GM3000 HPS Telescope Newton 300mm F/4

Telescope
Spectroscope
Resolution (bin 1x1)

Atily 414 EX

Principal camera Atik 414 EX

Dispersion (bin 1x1) ~0,3 nm/pixel at 656 nm

Cam temperature -10°C Binning 2x2

Guiding camera Atik 314L+
Data acquisition Soft Prism v11.2.3.21
Data processing soft ISIS V6.1.1

Exposure on object 5 x 1200 s
Master Dark Corrected
Master Flat Corrected

Master Offset Corrected
Neon-Argon calibration Corrected

Reference star calib. /_/
Exposure on ref star /
Ref star Sp. date /



Slit position and images

Slit position



Object picture(s)



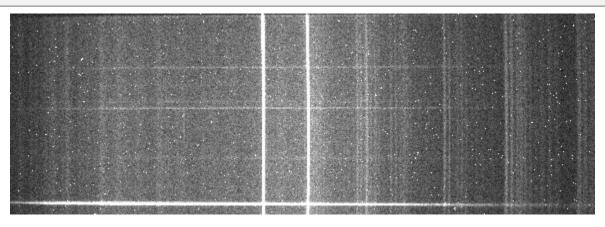


Instrumental Response and 2D Spectra

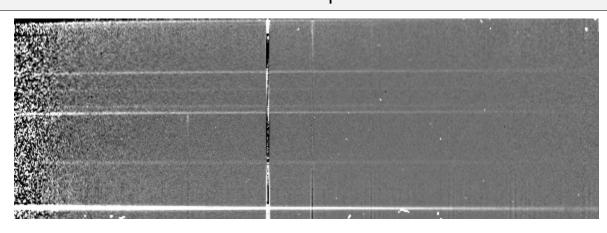
Instrumental response (red = theoritical ref star spectrum; blue = acquired ref star spectrum with instrumental response correction applied)

No refence star was used here but a satandard instrumental response taken at the same hight as the target.

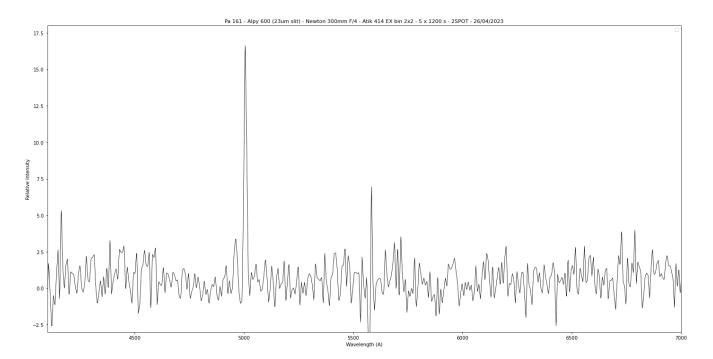
2D Raw spectrum



2D Processed spectrum



Results



Comments

Pa 161 is very faint and, as a result, the spectrum is quite noisy.

The slit has been placed on the edge of the nebula, on the East part.

The spectrum only shows the [OIII] doublet.