



Spectroscopic Record Sheet



Details on acquisitions

Object	Ra 25
Coordinates (J2000)	06:22:35.00 07:18:53.00
Type	New candidate

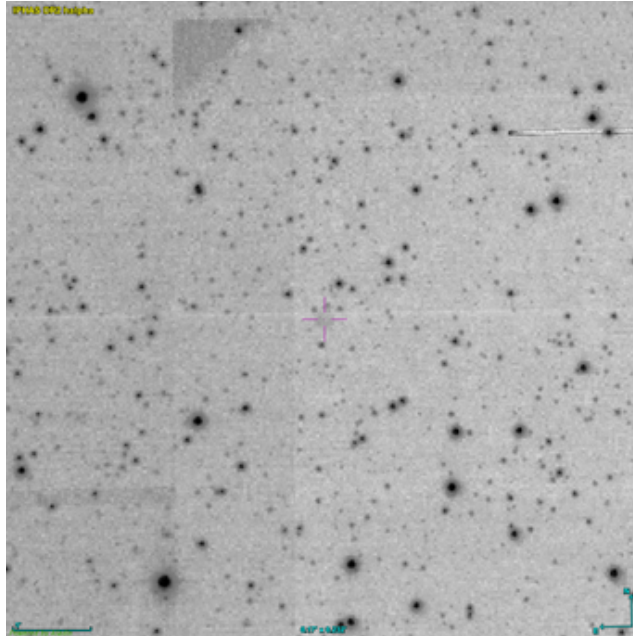
Observation date	15.049/03/2026
Weather conditions	/
Observer	2SPOT
Location	Deep Sky Chile (CL)

Mount	10 Micron GM3000 HPS
Telescope	Newton 300mm F/4
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1nm at 656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at 656 nm
Cam temperature	-10°C
Binning	2x2
Guiding camera	ASI 178MM
Data acquisition Soft	Prism v11
Data processing soft	ISIS V6.1.1

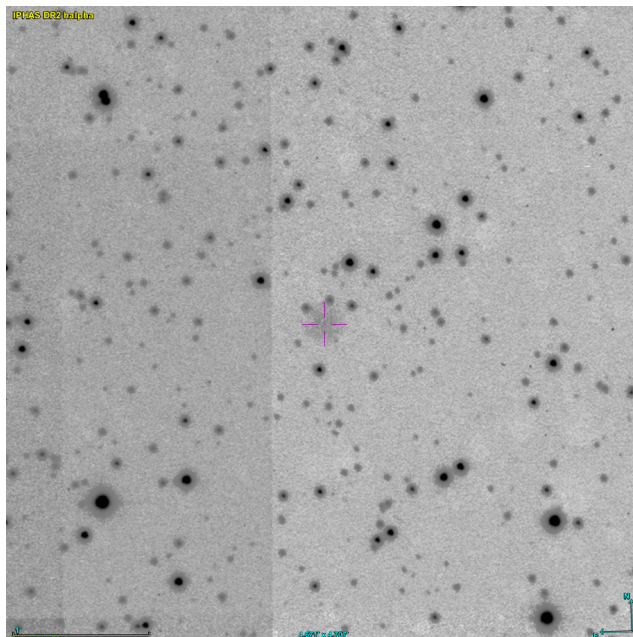
Exposure on object	4 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected

Reference star calib.	HD43525_A2V
Exposure on ref star	5 x 9.23689 s
Ref star Sp. date	15.081/03/2026

Slit position



Object picture(s)



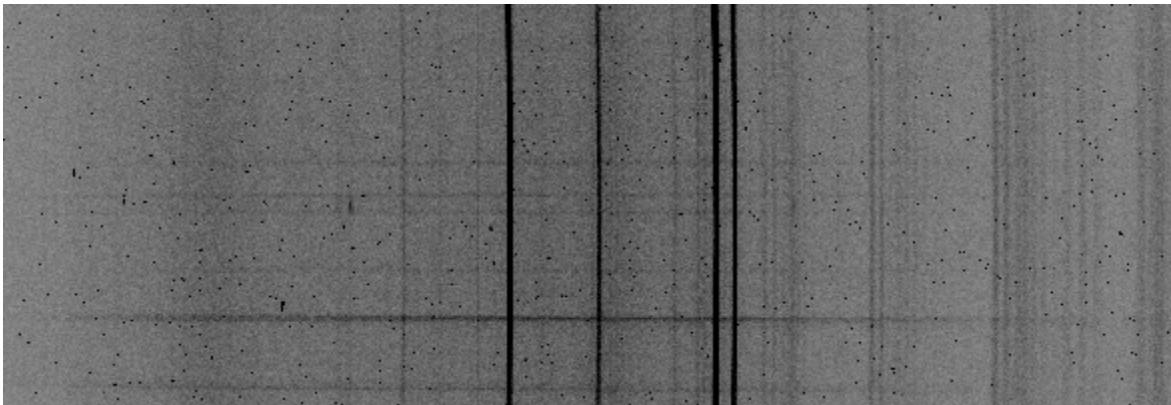


Instrumental Response and 2D Spectra

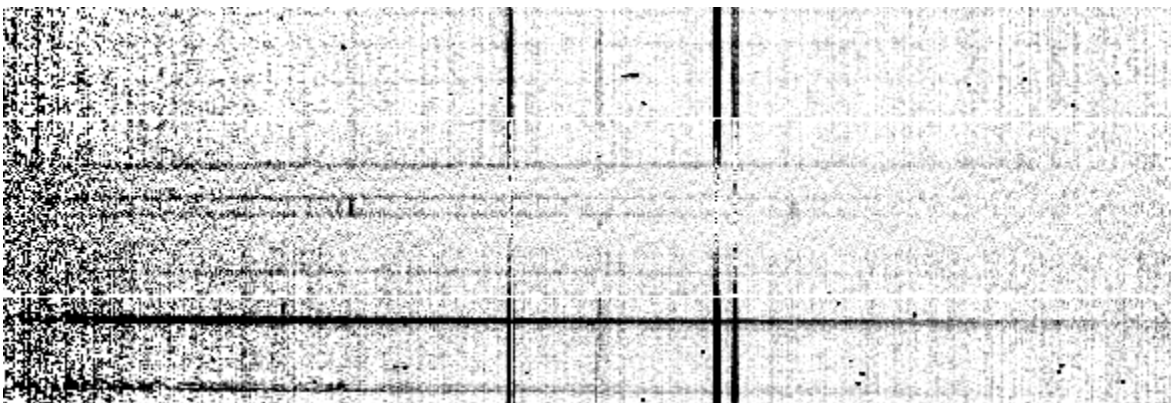
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)



2D Raw spectrum

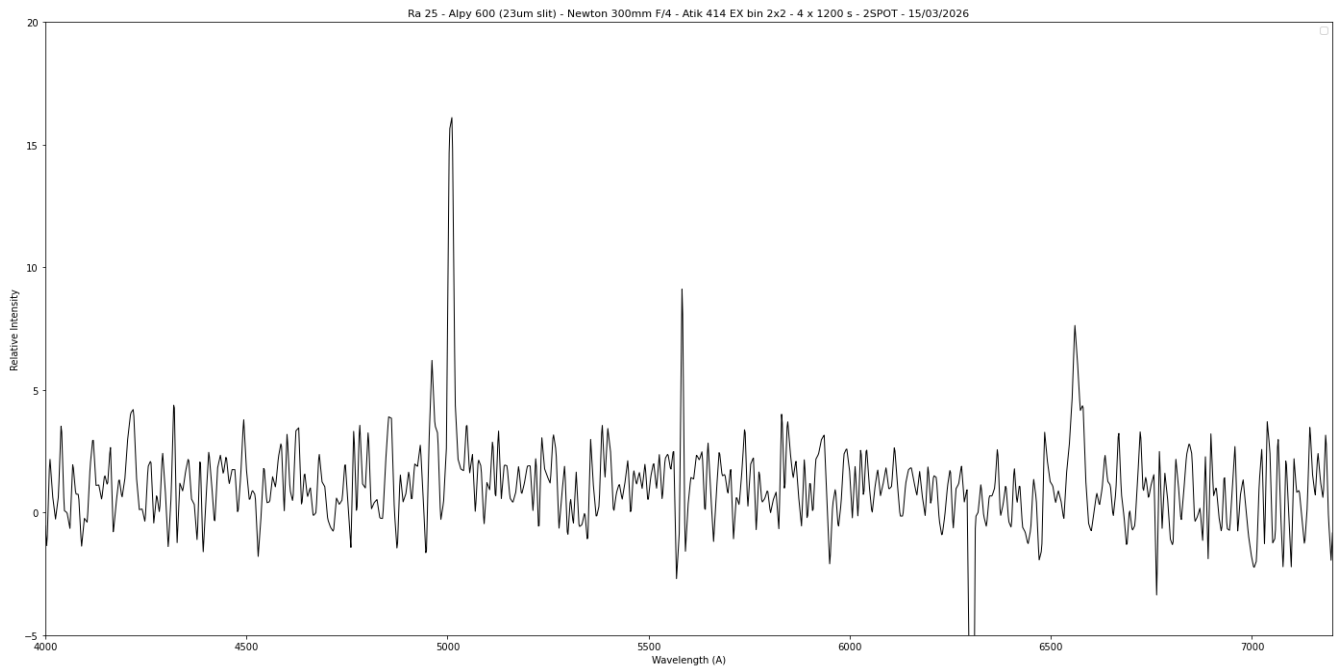


2D Processed spectrum





Results



Comments

[OIII] and Halpha lines detected.
Ra 25 is certainly a true PN.