

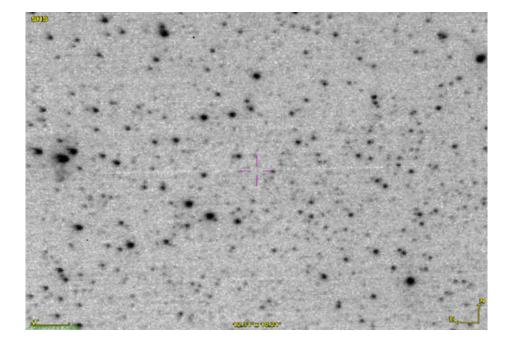


Details on acquisitions	
Object	St 53
Coordinates (J2000)	11:36:10.02 -57:41:19.96
Type	New candidate
Observation date	12.289/01/2024
Weather conditions	/
Observer	2SPOT
Location	Deep Sky Chile (CL)
Mount	10 Micron GM3000 HPS
Telescope	Newton 300mm F/4
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 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	Atik 314L+
Data acquisition Soft	Prism v11.2.3.21
Data processing soft	ISIS V6.1.1
Exposure on object	10 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected
Reference star calib.	HD111588_A5V
Exposure on ref star	14 x 4 s
Ref star Sp. date	12.317/01/2024

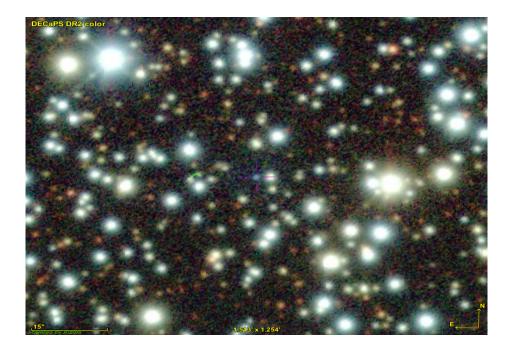


Slit position and images

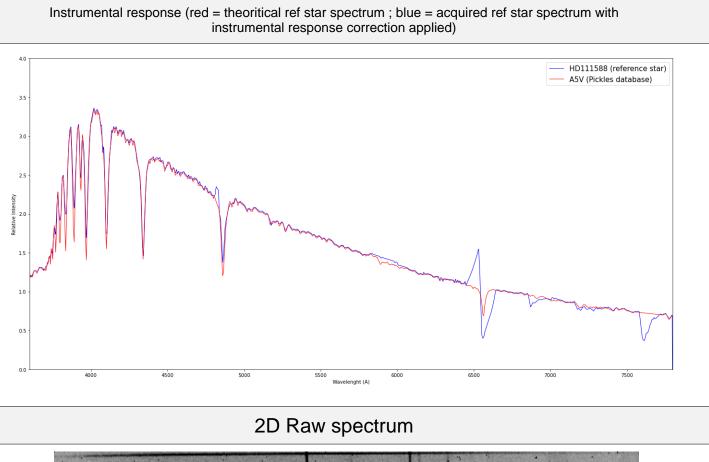
Slit position

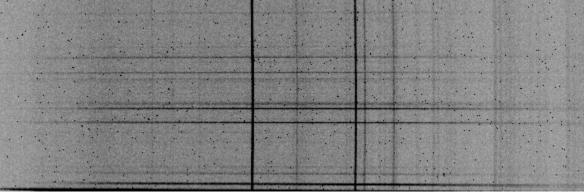


Object picture(s)

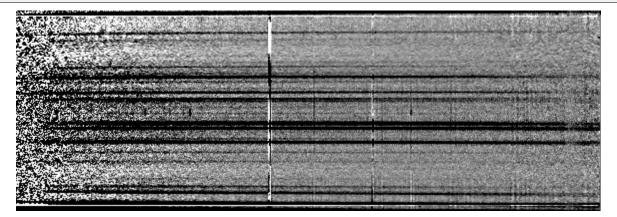


Instrumental Response and 2D Spectra

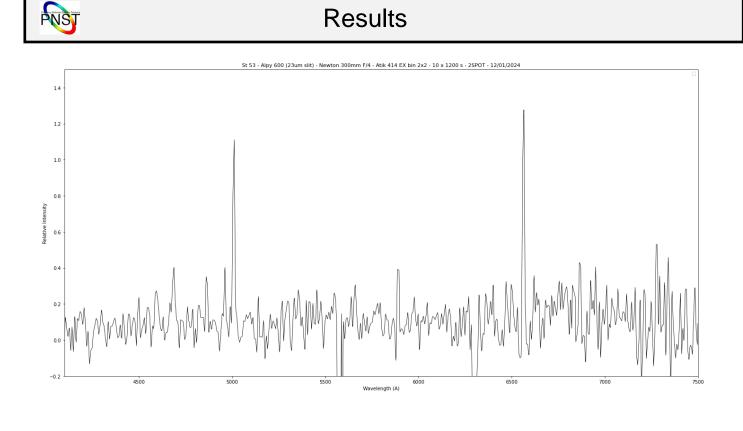




2D Processed spectrum



PNST



Comments

HeII(4686A), Hbeta, [OIII] and Halpha lines detected. St 53 is certainly a true PN