



# Spectroscopic Record Sheet



## Details on acquisitions

Object	K 2-17
Coordinates (J2000)	17:09:35.90 -52:13:01.96
Type	Likely PN

Observation date	23.365/02/2026
Weather conditions	/
Observer	2SPOT
Location	Deep Sky Chile (CL)

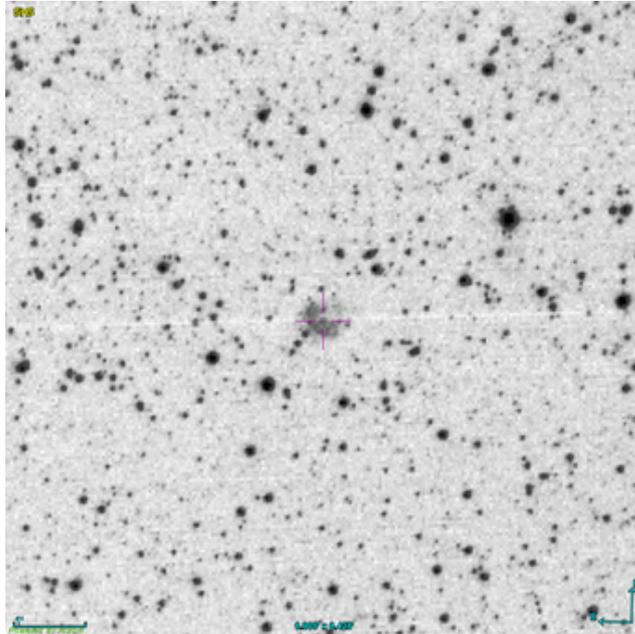
Mount	10 Micron GM3000 HPS
Telescope	Newton 300mm F/4
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1nm at 656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at 656 nm
Cam temperature	-10°C
Binning	2x2
Guiding camera	ASI 178MM
Data acquisition Soft	Prism v11
Data processing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

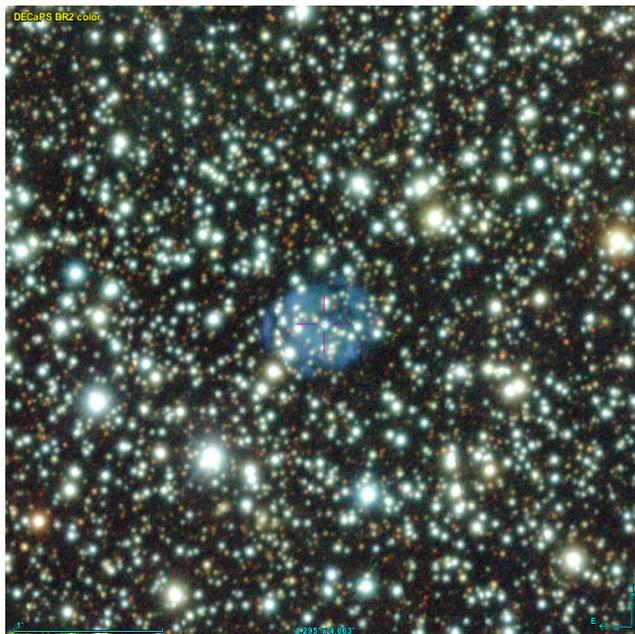
Reference star calib.	HD152527_B9V
Exposure on ref star	5 x 12.21097 s
Ref star Sp. date	23.397/02/2026

# Slit position and images

## Slit position



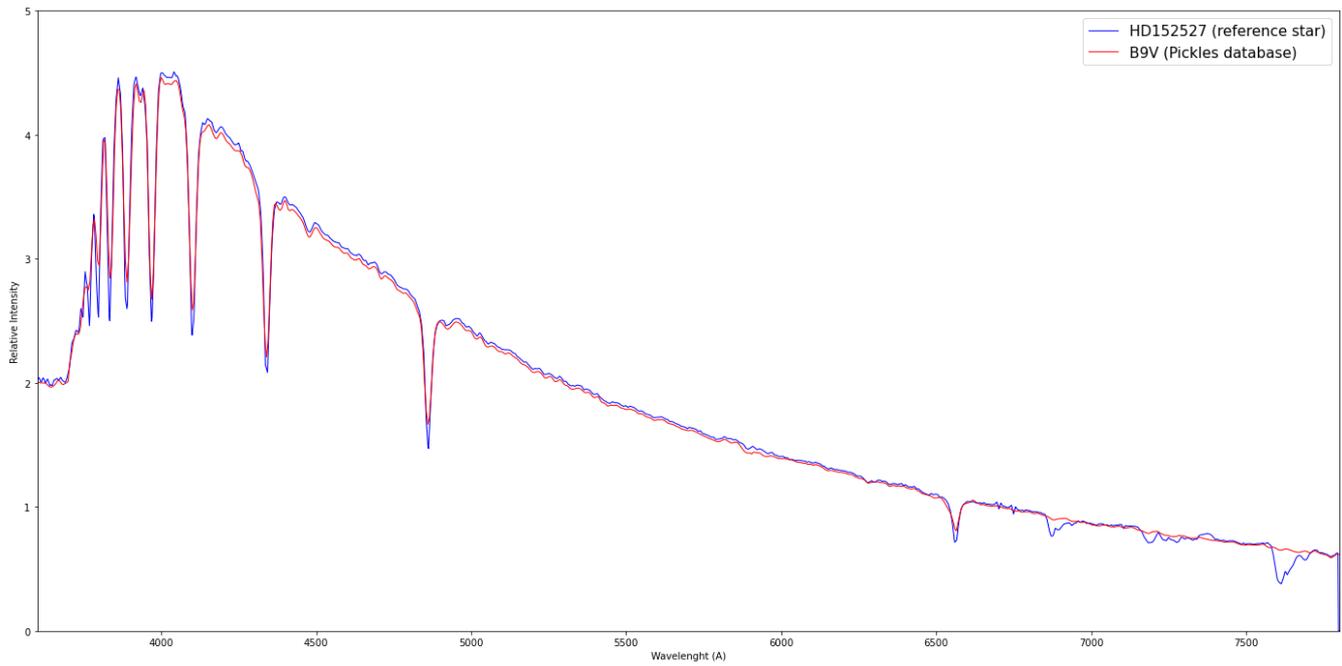
## Object picture(s)



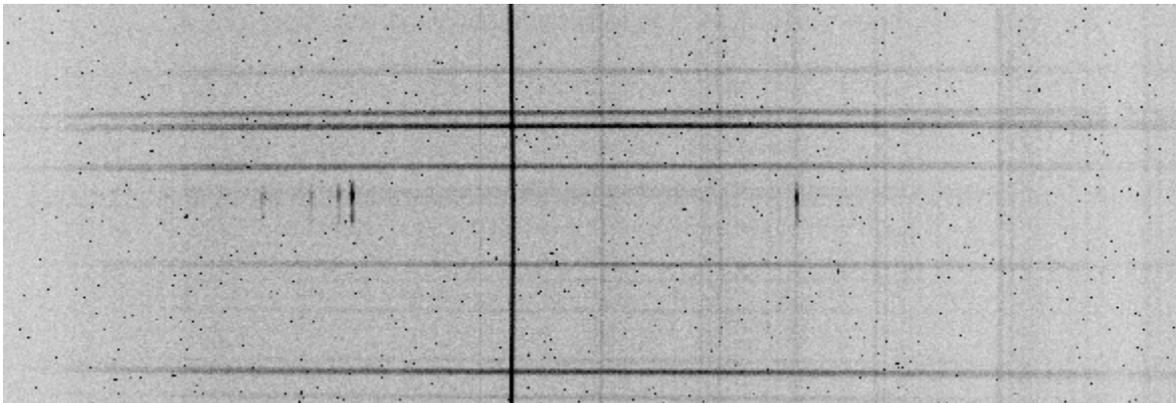


# Instrumental Response and 2D Spectra

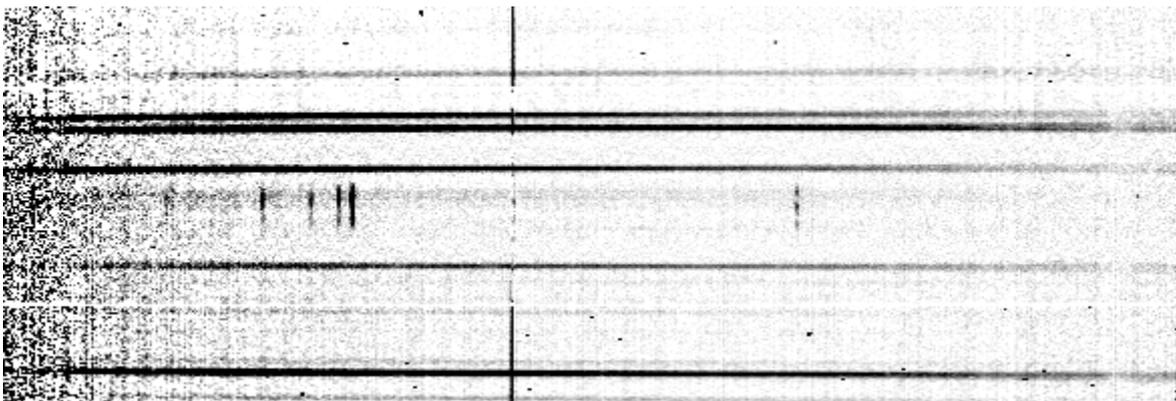
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

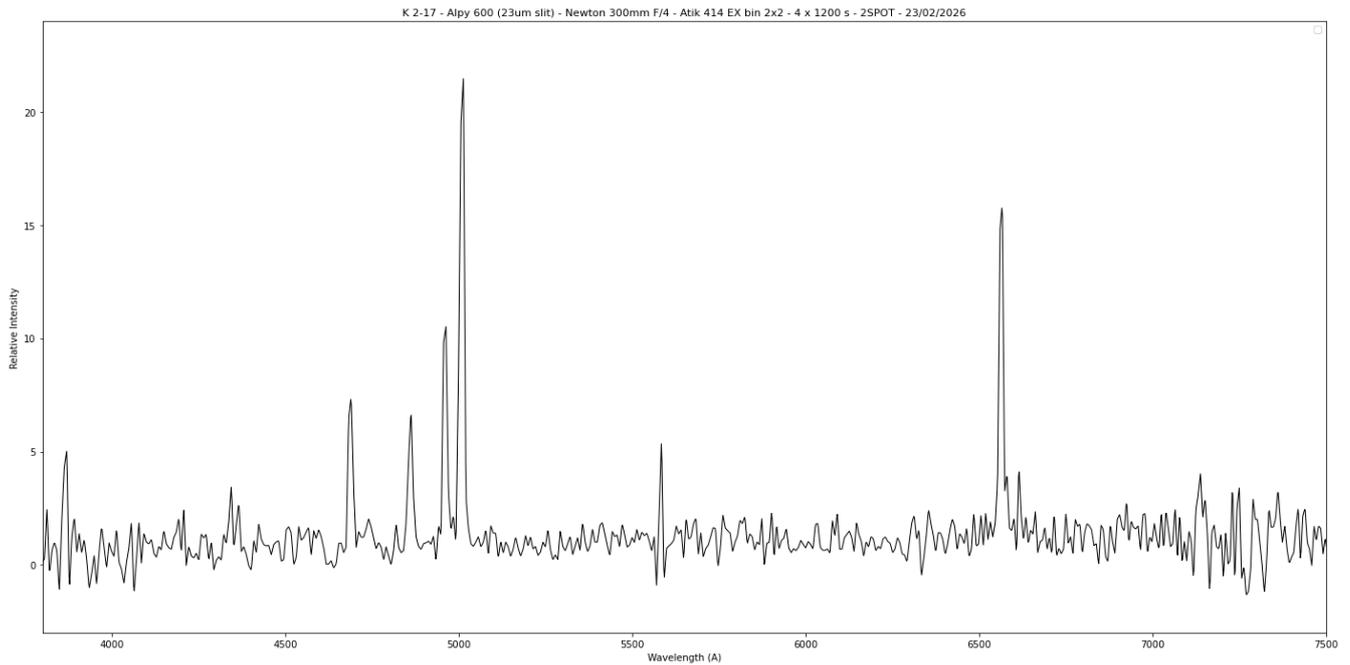


## 2D Raw spectrum



## 2D Processed spectrum





## Comments

Object already classified as Likely PN.

Hgamma, strong H $\delta$ , H $\beta$ , [OIII] and H $\alpha$  lines detected.

K 2-17 is certainly a true PN.