



Spectroscopic Record Sheet



Details on acquisitions

Object	IPHAS j200522.65+393858.3
Coordinates (J2000)	20:05:22.60 +39:38:58.31
Type	Possible PN

Observation date	1.906/08/2025
Weather conditions	/
Observer	P. Le Dû
Location	Kermerrien Observatory (Porspoder, FR)

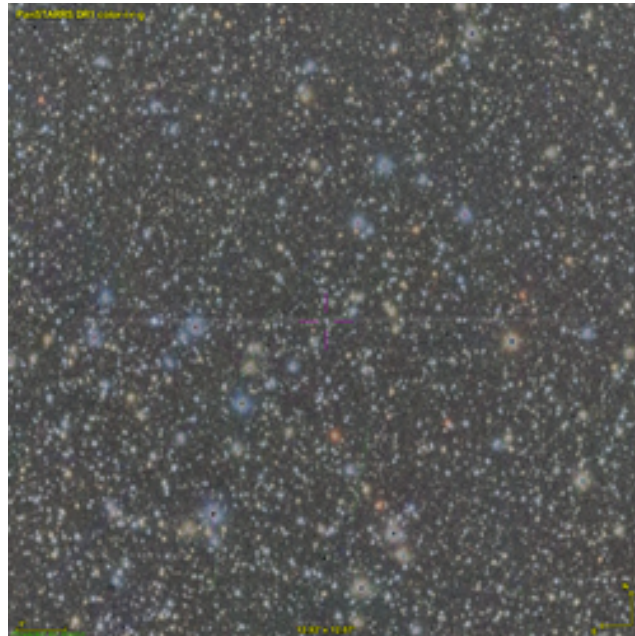
Mount	Losmandy G11
Telescope	Newton 200mm F/5
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1nm at 656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at 656 nm
Cam temperature	-10°C
Binning	1x1
Guiding camera	Atik 314L+
Data acquisition Soft	Prism v11.2.3.21
Data processing soft	ISIS V6.1.1

Exposure on object	6 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected
Reference star calib.	HD205835_A3V
Exposure on ref star	15 x 6 s
Ref star Sp. date	1.988/08/2025



Slit position and images

Slit position



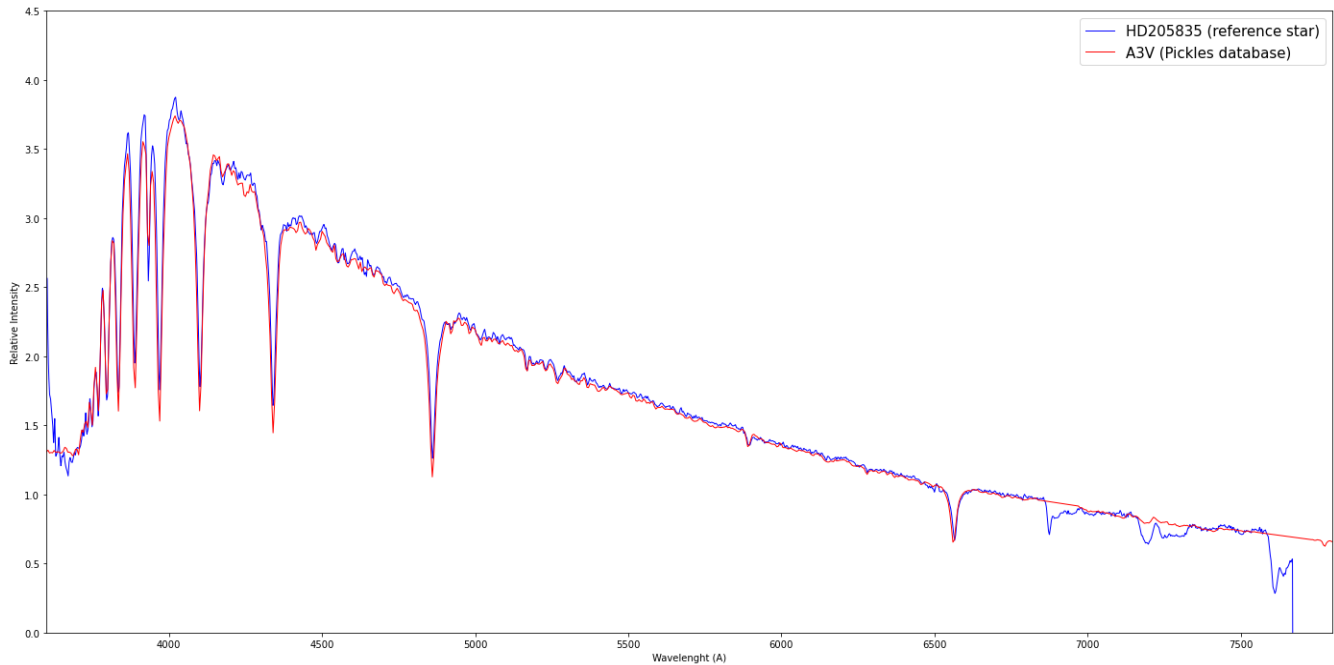
Object picture(s)



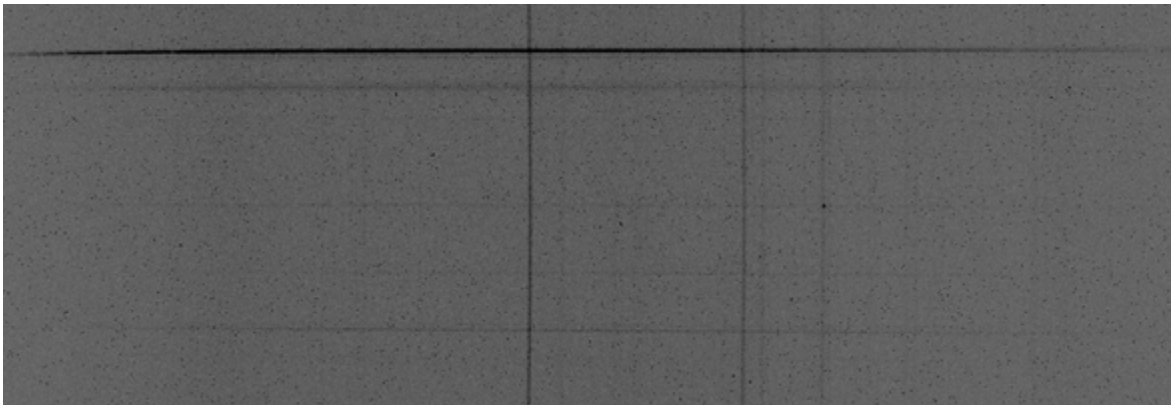


Instrumental Response and 2D Spectra

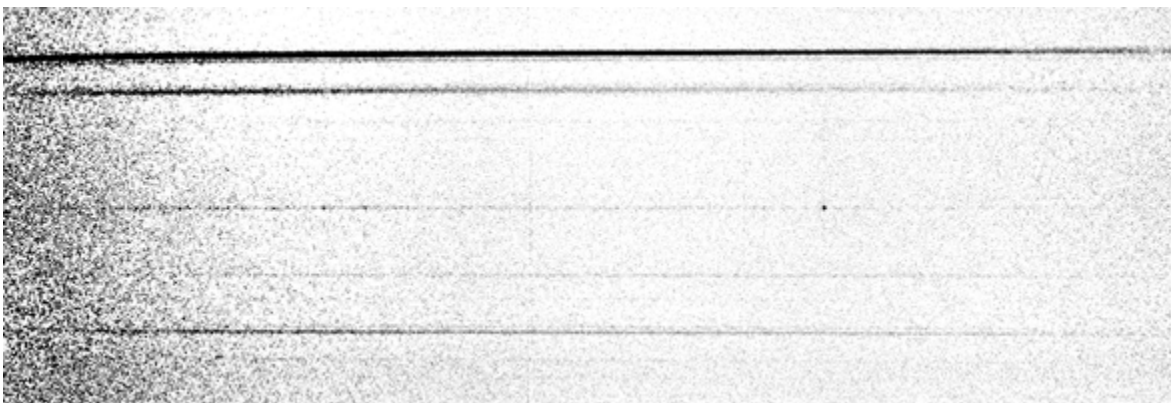
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

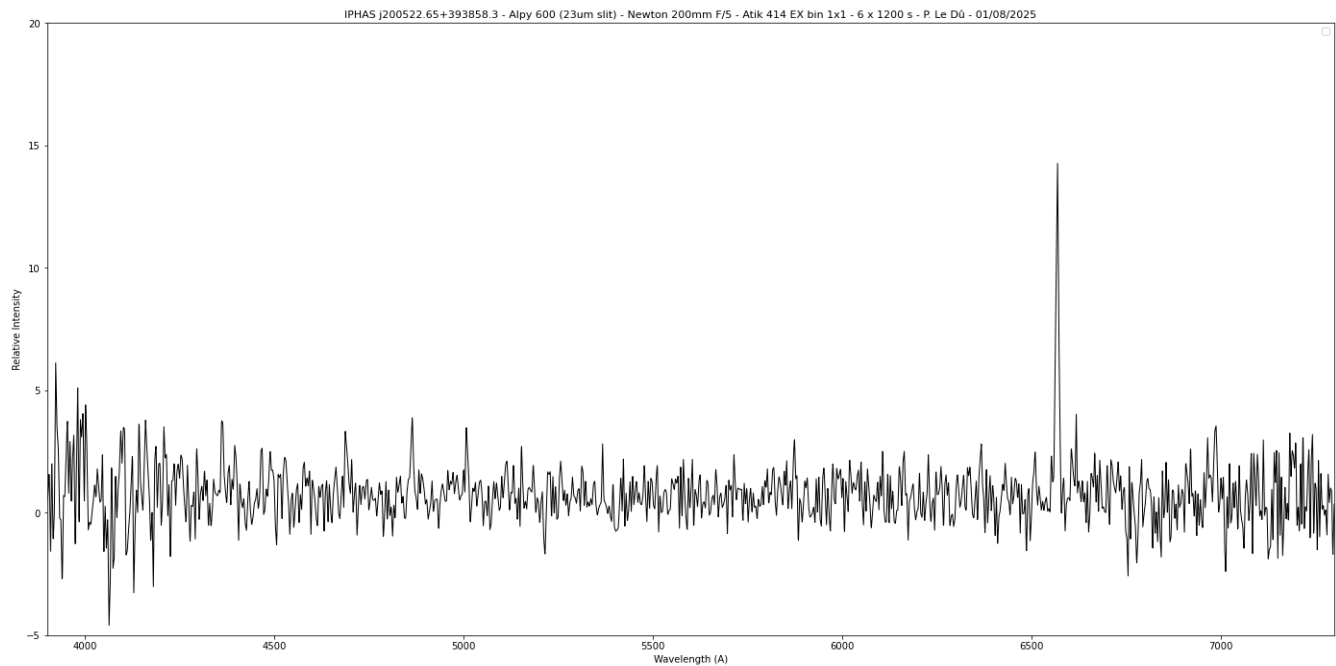


2D Raw spectrum



2D Processed spectrum





Comments

Object already classified of Possible PN in HASH PN data base.

The signal of IPHASJ200522.65+393858.3 is weak but shows H α (4686Å), H β , [OIII](5007Å) and H α lines (strong H α line).