



# Spectroscopic Record Sheet



## Details on acquisitions

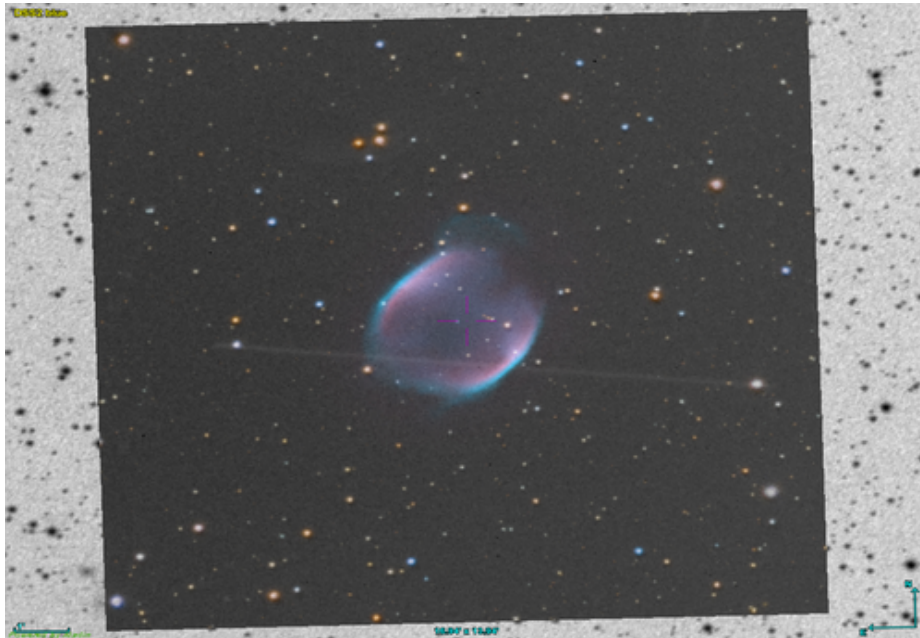
Object	StDr 141
Coordinates (J2000)	00:10:21.67 +48:47:11.91
Type	/

Observation date	6.903/01/2022
Weather conditions	/
Observer	L. Mulato, P. Le Dû, T. Petit
Location	Mt Ventoux (FR)

Mount	Losmandy G11
Telescope	Newton 200mm F/5
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1 Å at I656 nm
Principal camera	Atik 460 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at I656 nm
Cam temperature	-10°C
Binning	3x3
Guiding camera	Atik 314L+
Data acquisition Soft	Prism v10.4.11.908
Data processing soft	ISIS V6.1.1

Exposure on object	3 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected
Reference star calib.	HD5788_A2V
Exposure on ref star	10 x 15 s
Ref star Sp. date	6.962/01/2022

Slit position



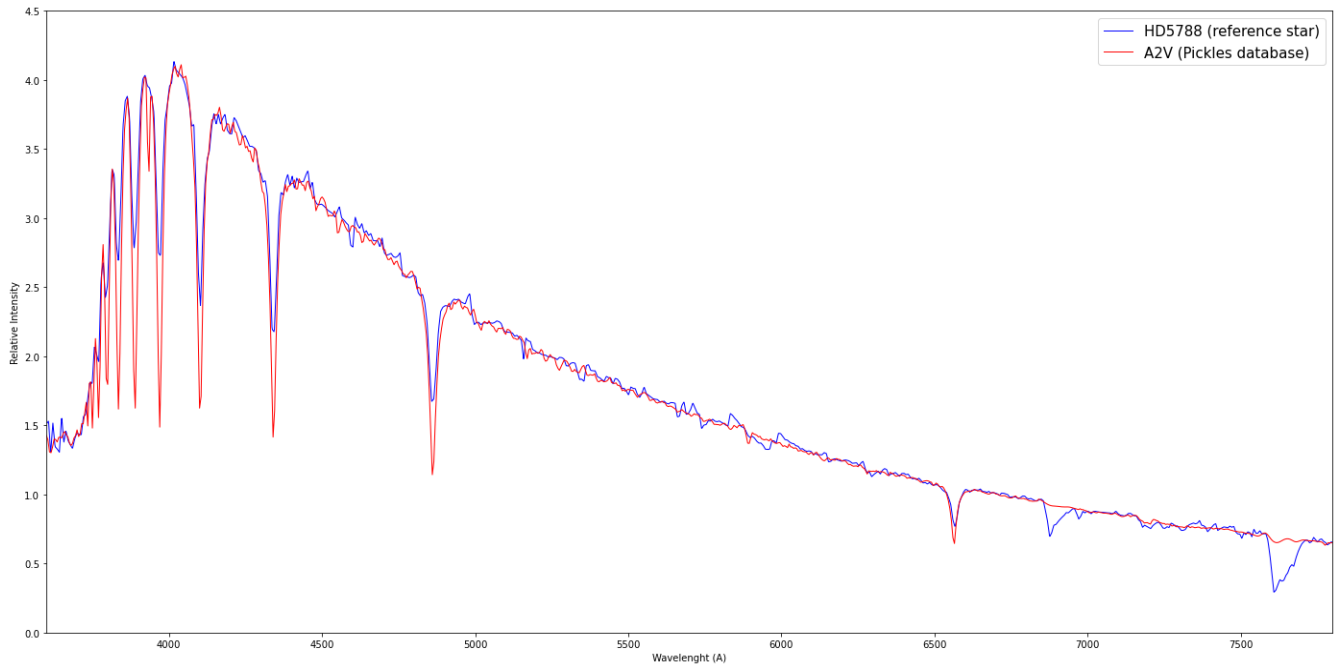
Object picture(s)



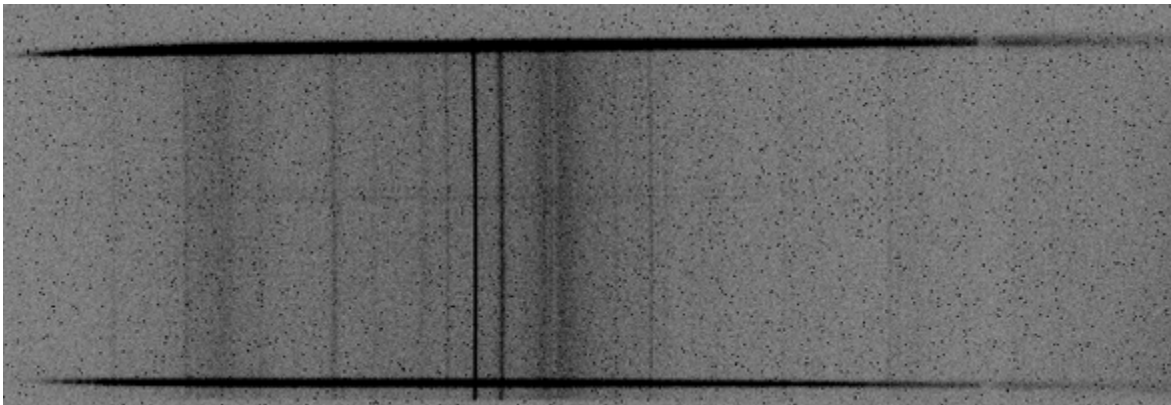


# Instrumental Response and 2D Spectrum

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

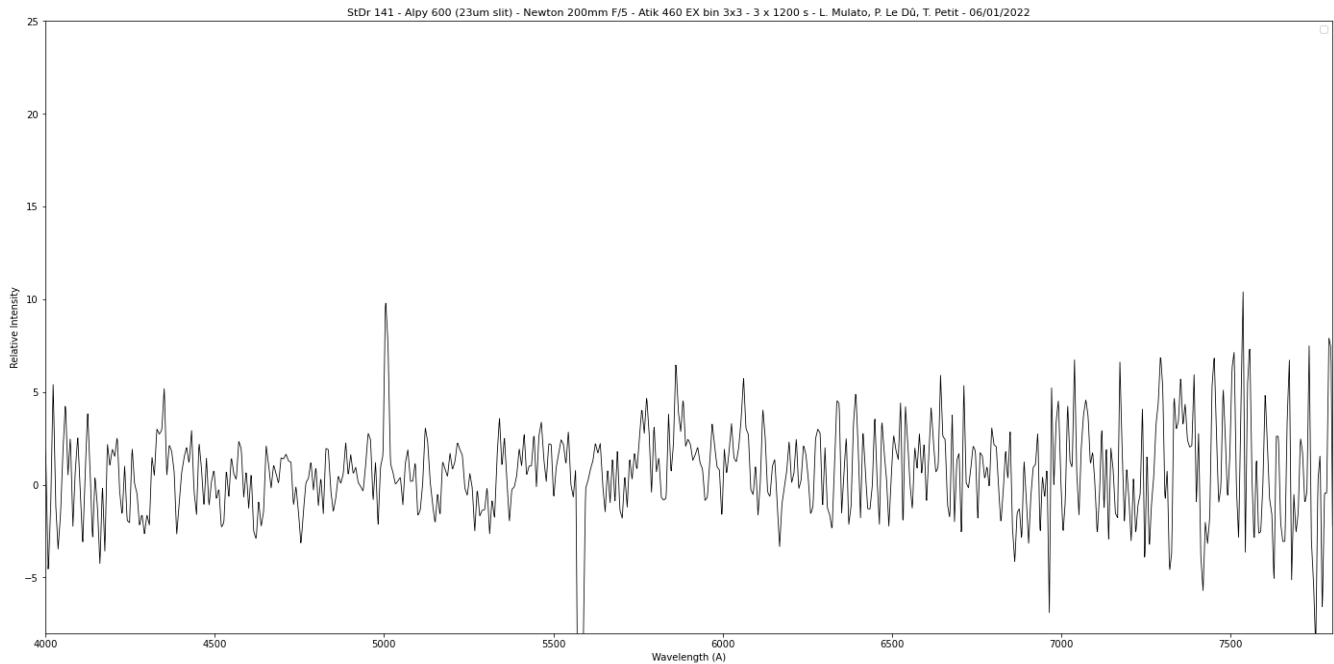


## 2D Raw spectrum



## 2D Processed spectrum





## Comments

Object with PN characteristics in imaging.

The spectrum shows only the [OIII] signal which is confirmed (5007Å).

The observing conditions did not allow the detection of the [NII] and/or Halpha signal.

However, this object is certainly a true PN.