



# Spectroscopic Record Sheet



## Details on acquisitions

Object	Jonk 1
Coordinates (J2000)	08:52:41.05 -58:36:41.52
Type	Possible PN

Observation date	18.207/03/2023
Weather conditions	
Observer	2SPOT
Location	Deep Sky Chile (CL)

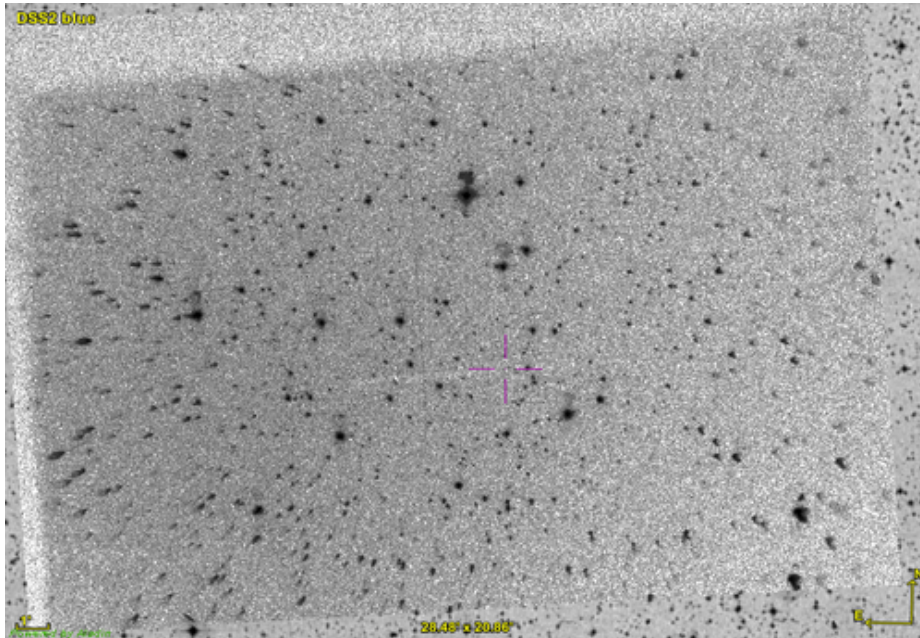
Mount	10 Micron GM3000 HPS
Telescope	Newton 300mm F/4
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1nm at 656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at 656 nm
Cam temperature	-10°C
Binning	2x2
Guiding camera	Atik 314L+
Data acquisition Soft	Prism v10.4.11.908
Data processing soft	ISIS V6.1.1

Exposure on object	7 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected
Reference star calib.	HD83446_A7V
Exposure on ref star	14 x 5 s
Ref star Sp. date	18.270/03/2023

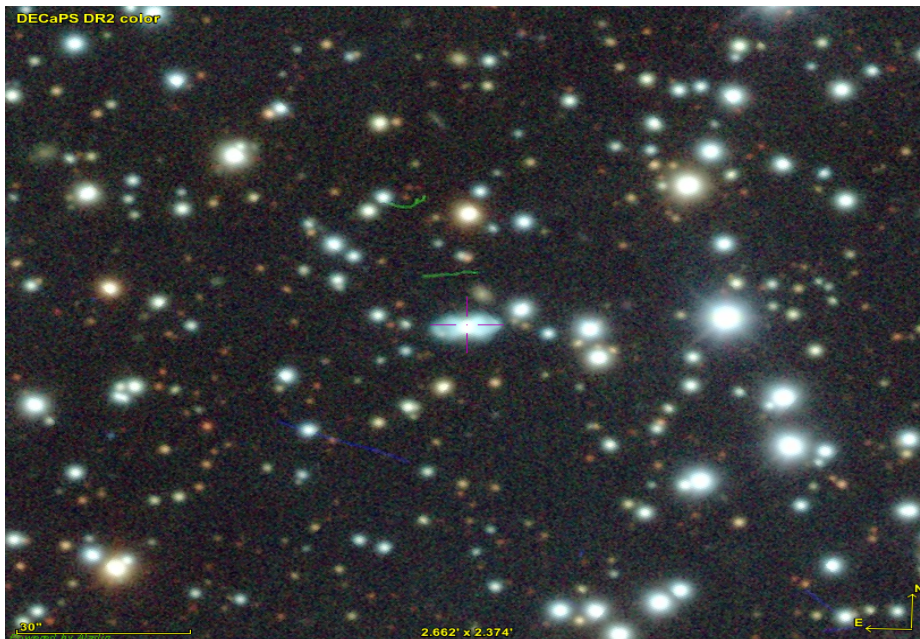


# Slit position and images

## Slit position



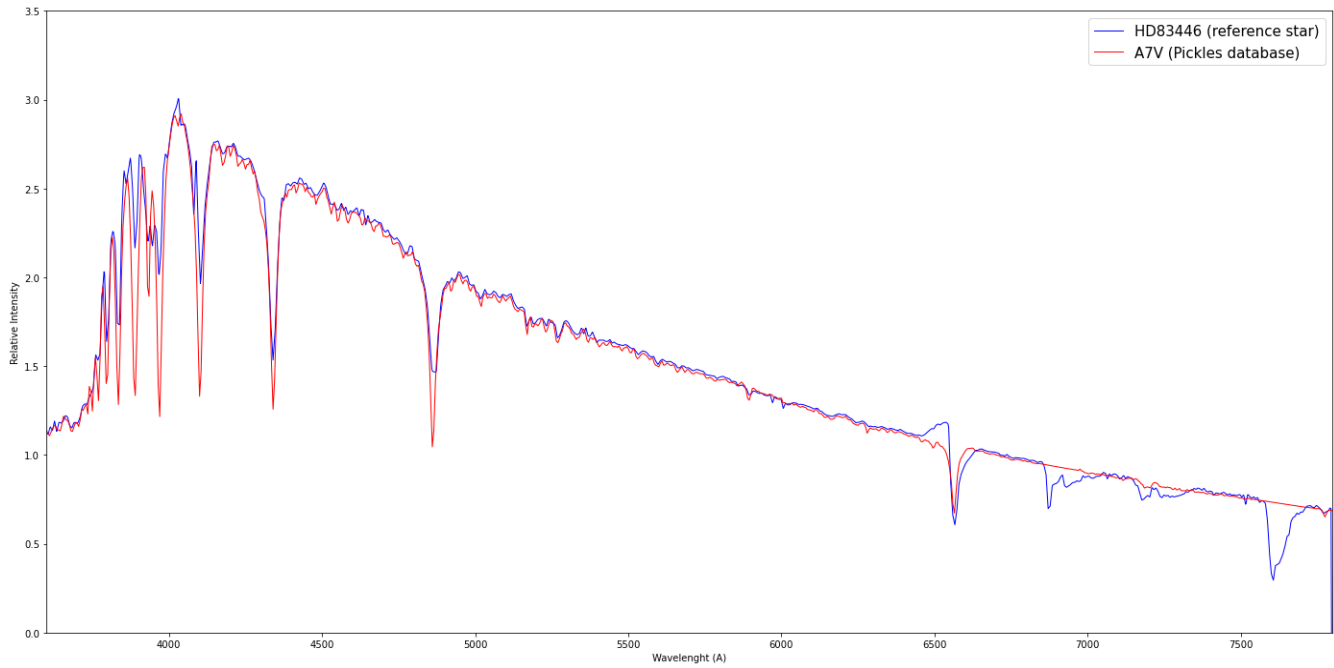
## Object picture(s)



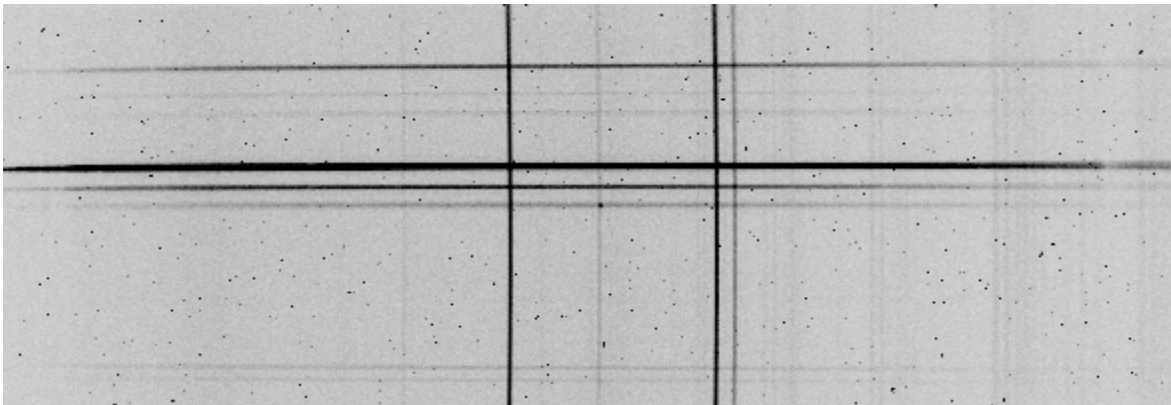


# Instrumental Response and 2D Spectra

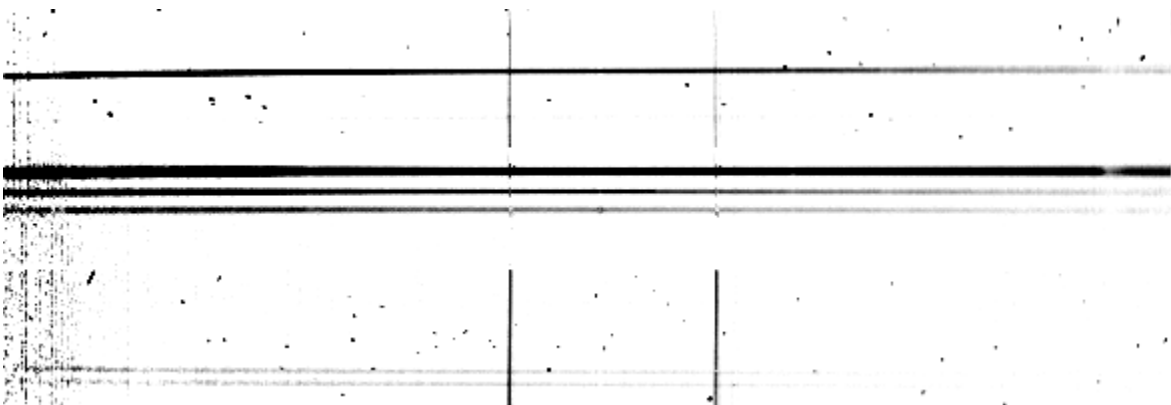
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

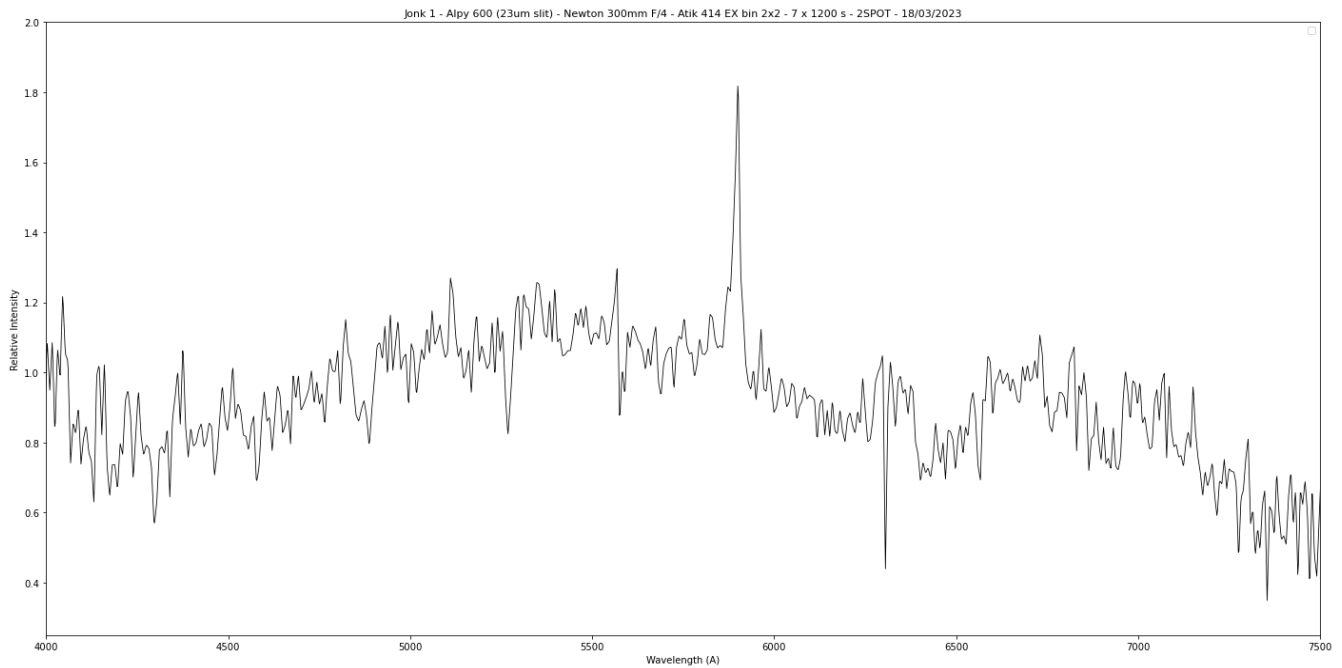


## 2D Raw spectrum



## 2D Processed spectrum





## Comments

The signal of Jonk 1 is weak but shows a continuum of a blue star  
Strong Na I(5890/5896) emission lines have been detected  
Jonk 1 does not appear to be a planetary nebulae but rather a blue giant.