



# Spectroscopic Record Sheet



## Details on acquisitions

Object	rp 1047
Coordinates (J2000)	05:28:41.0 -67:33:39.3
Type	True PN

Observation date	29.187/11/2024
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	1x1
Guiding camera	ASI 178MM
Data acquisition Soft	Prism v11.2.3.21
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.	HD42525_A0V
Exposure on ref star	12 x 20 s
Ref star Sp. date	29.108/11/2024



## Slit position and images

Slit position



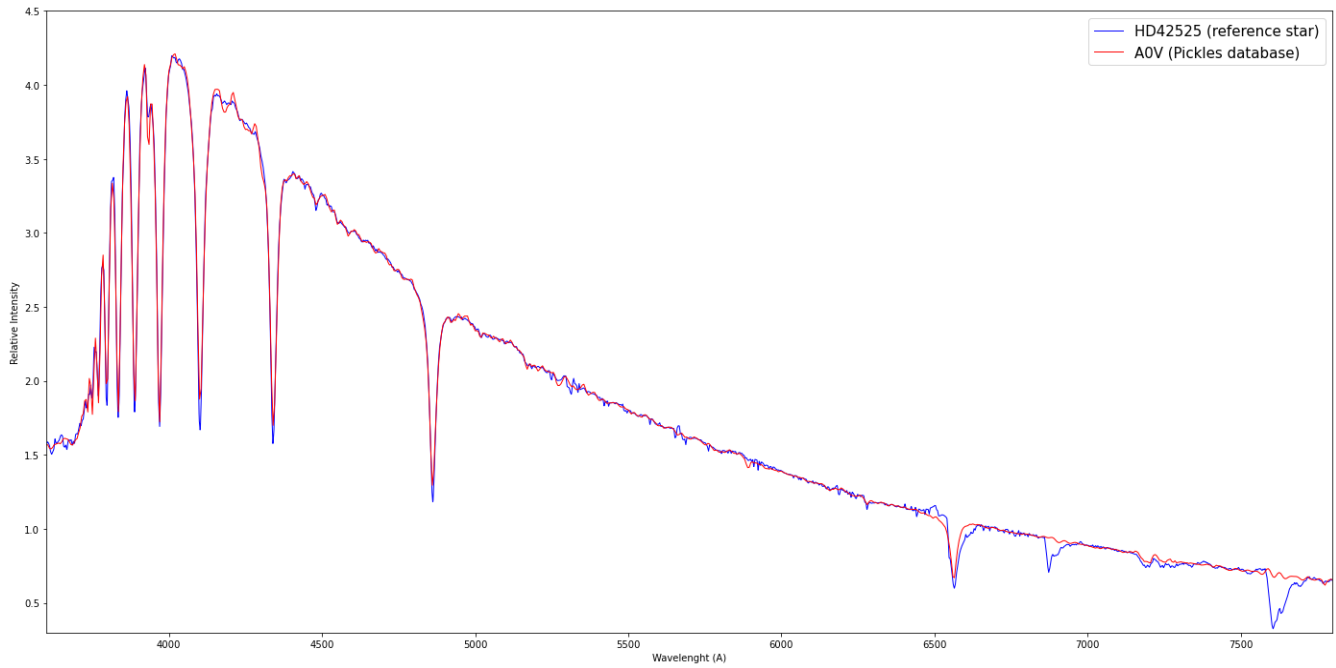
Object picture(s)



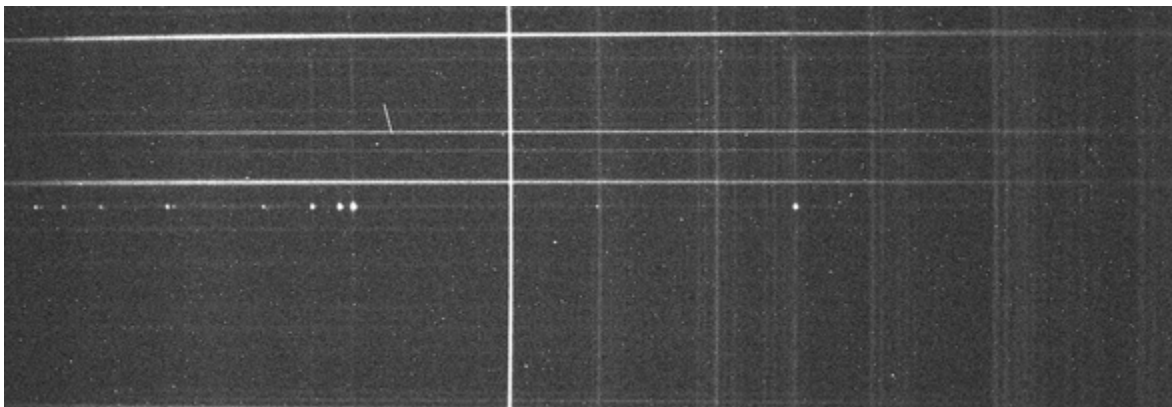


# Instrumental Response and 2D Spectra

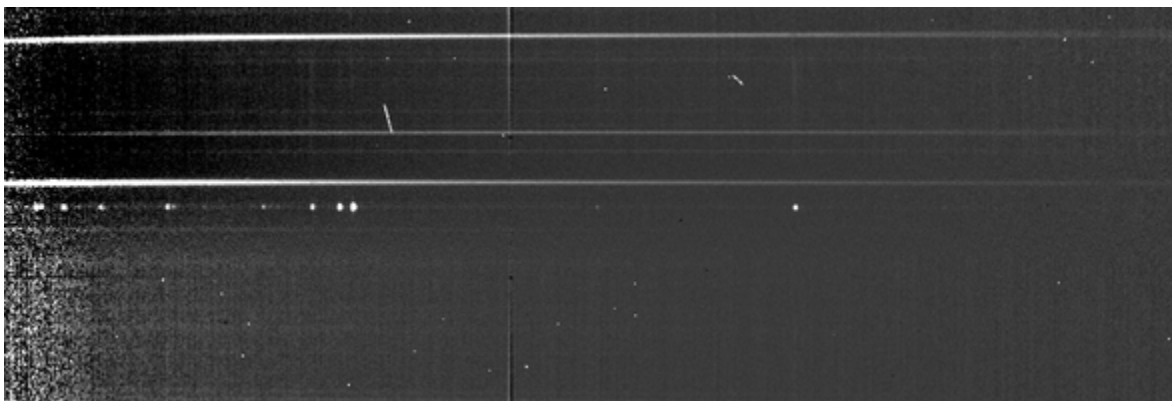
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

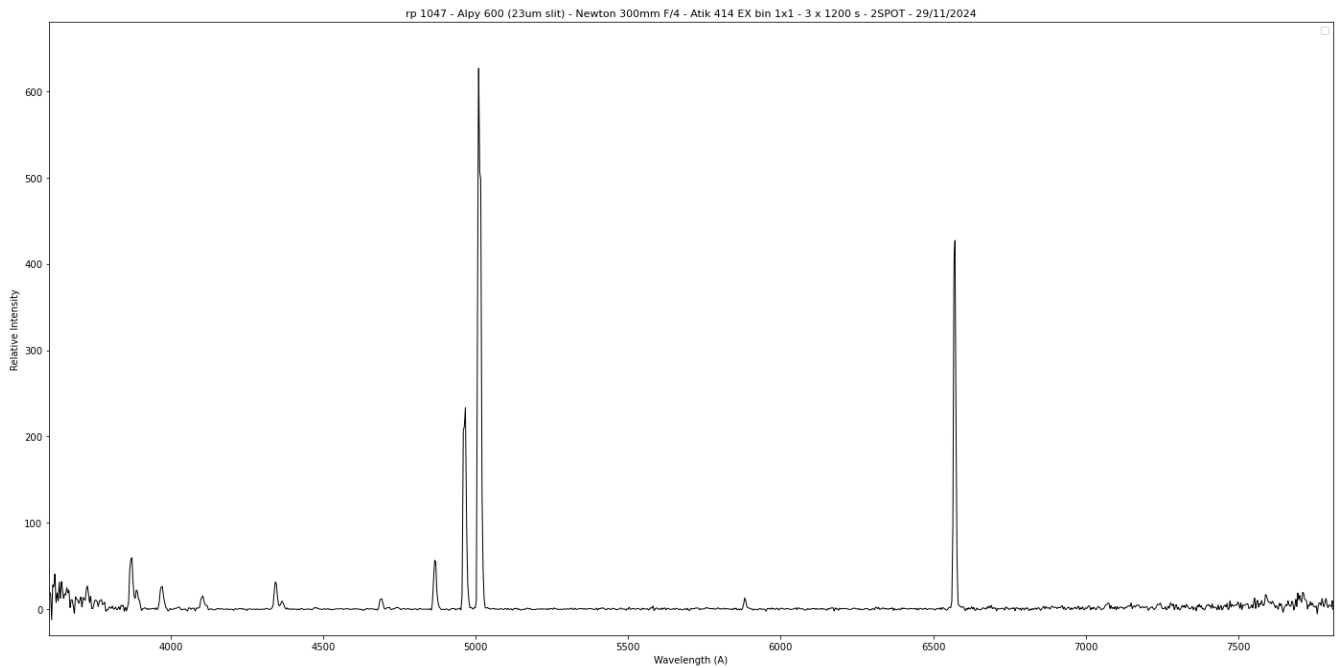


## 2D Raw spectrum



## 2D Processed spectrum





## Comments

According to HASH, rp1047 is a True PN but the database presents no spectrum.  
This spectrum confirms its True PN characteristics.