



Spectroscopic Record Sheet



Details on acquisitions

Object	DeGaPe 31
Coordinates (J2000)	08:57:42.00 -43:34:49.50
Type	New candidate

Observation date	7.257/02/2025
Weather conditions	/
Observer	2SPOT
Location	Deep Sky Chile (CL)

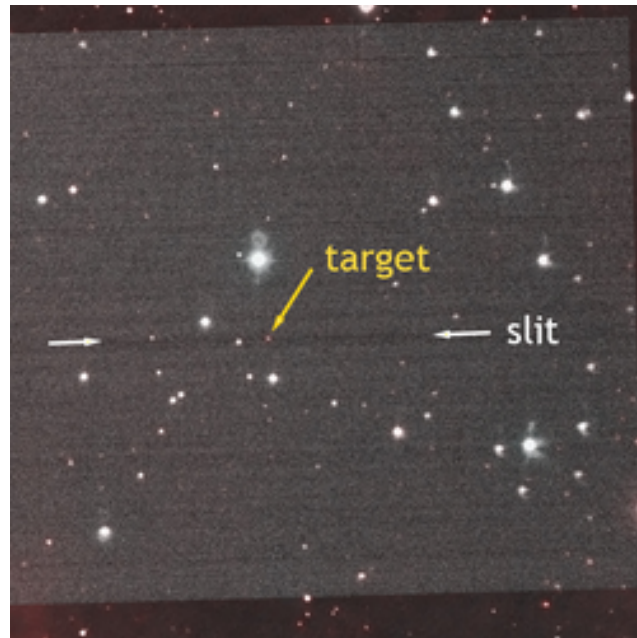
Mount	10 Micron GM3000 HPS
Telescope	Newton 300mm F/4
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1nm at 656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at 656 nm
Cam temperature	-10°C
Binning	1x1
Guiding camera	ASI 178MM
Data acquisition Soft	Prism v11.2.3.21
Data processing soft	ISIS V6.1.1

Exposure on object	6 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected

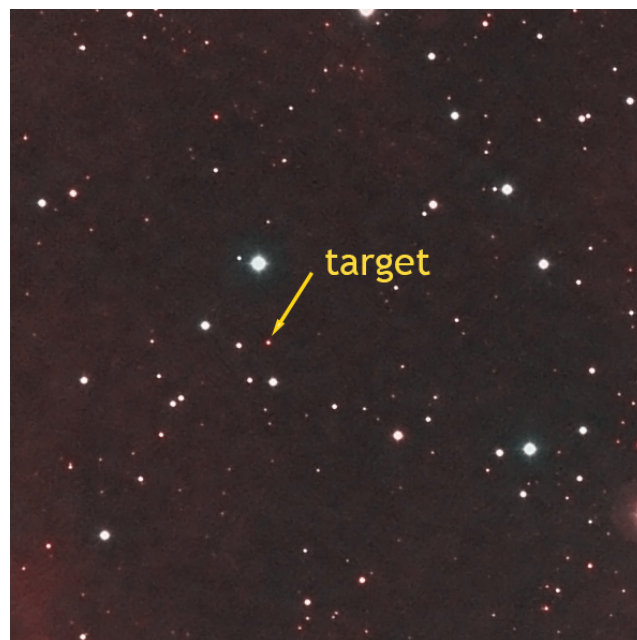
Reference star calib.	HD79416_B8V
Exposure on ref star	15 x 20 s
Ref star Sp. date	7.309/02/2025

Slit position and images

Slit position



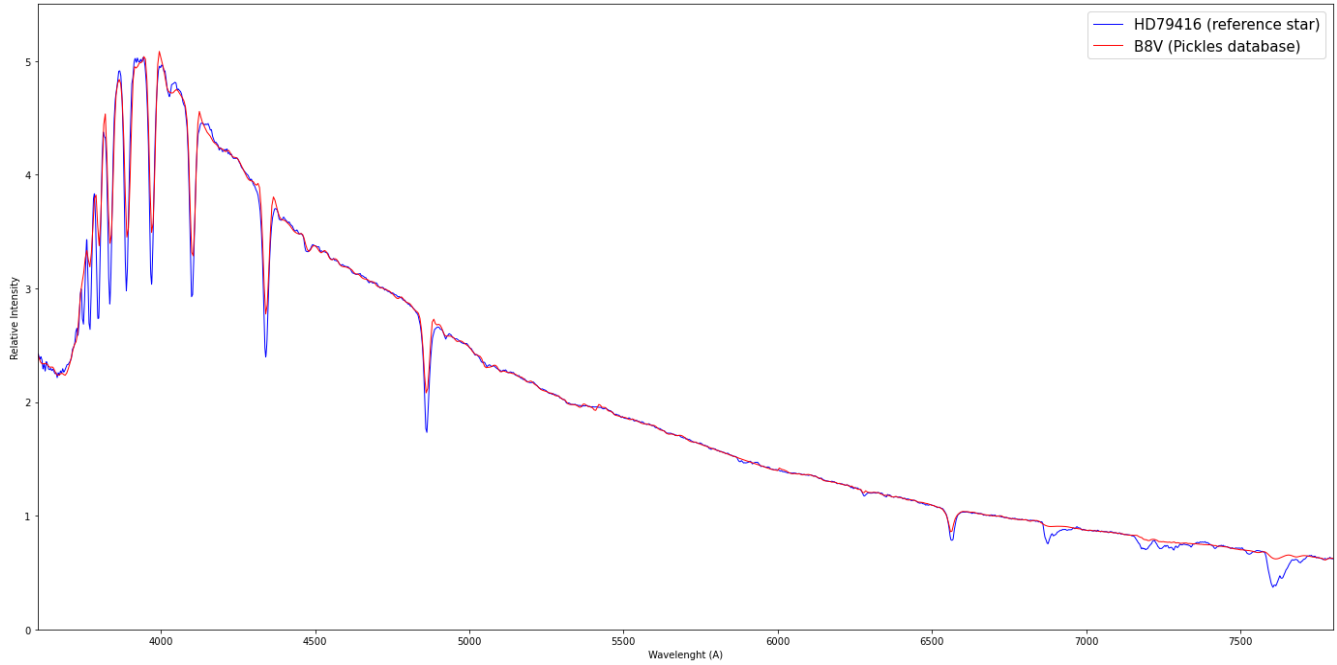
Object picture(s)



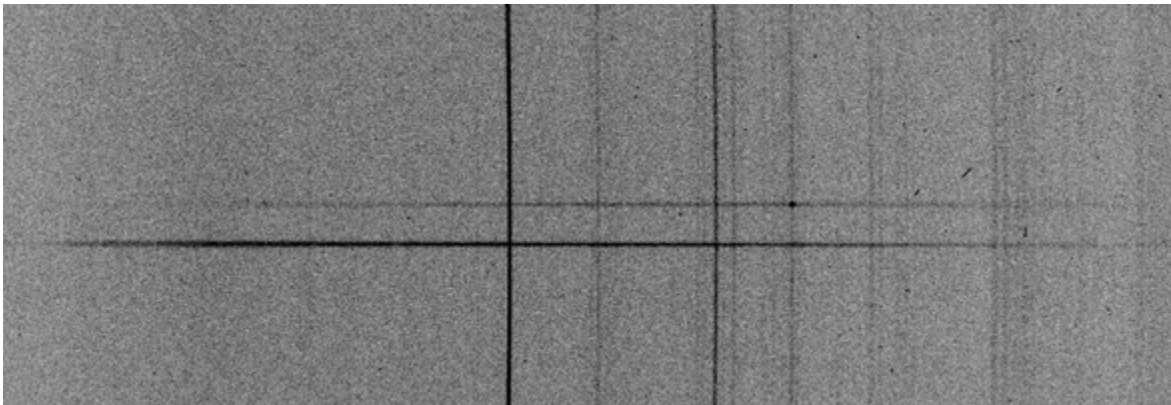


Instrumental Response and 2D Spectra

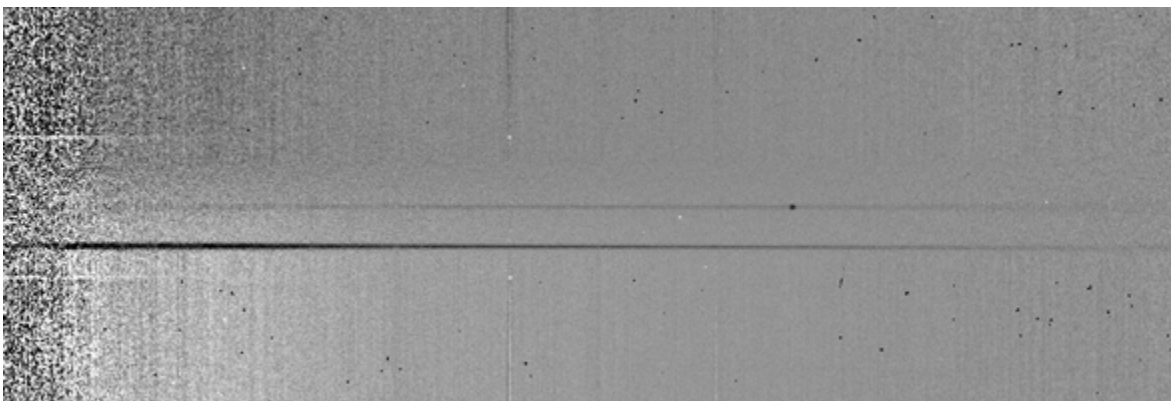
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

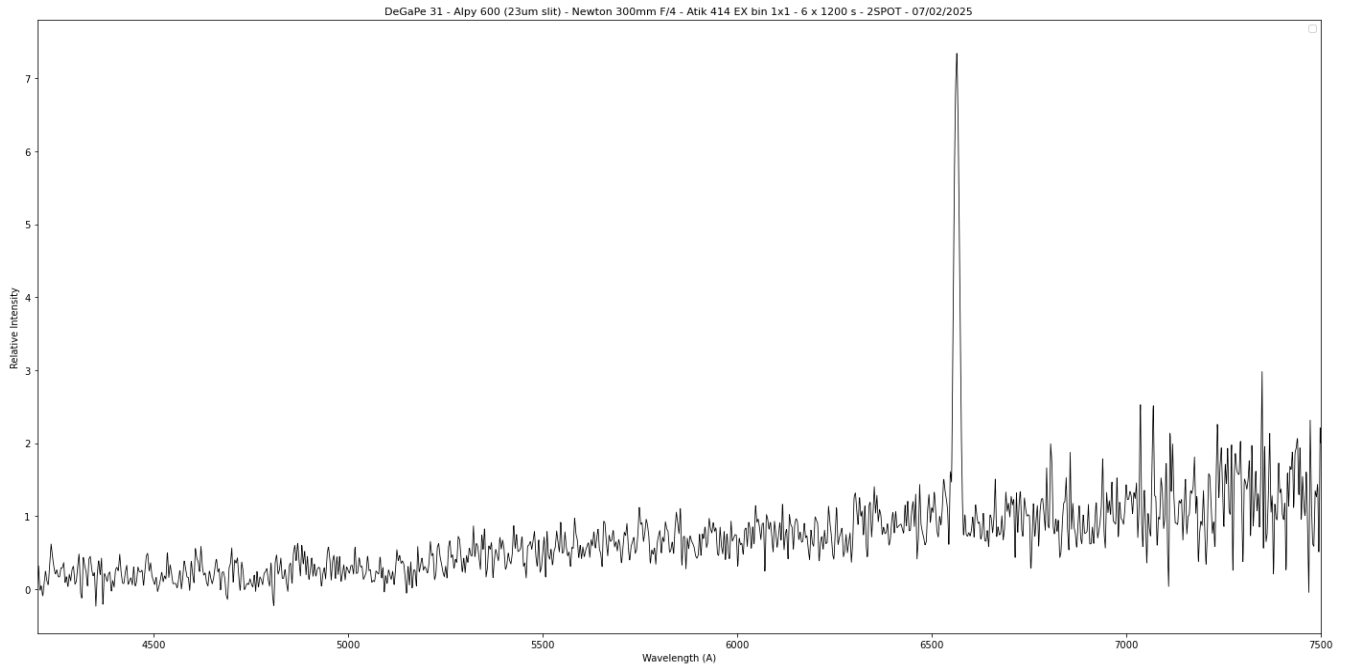


2D Raw spectrum



2D Processed spectrum





Comments

The spectrum shows an H α emission line.
DeGaPe 31 might be an emission line star.