



Spectroscopic Record Sheet



Details on acquisitions

Object	DeGaPe 78
Coordinates (J2000)	05 34 28.7 -69 46 45
Type	/

Observation date	26.069/02/2022
Weather conditions	Temp: 14°C / Hum: 44%
Observer	2SPOT
Location	Deep Sky Chile (CL)

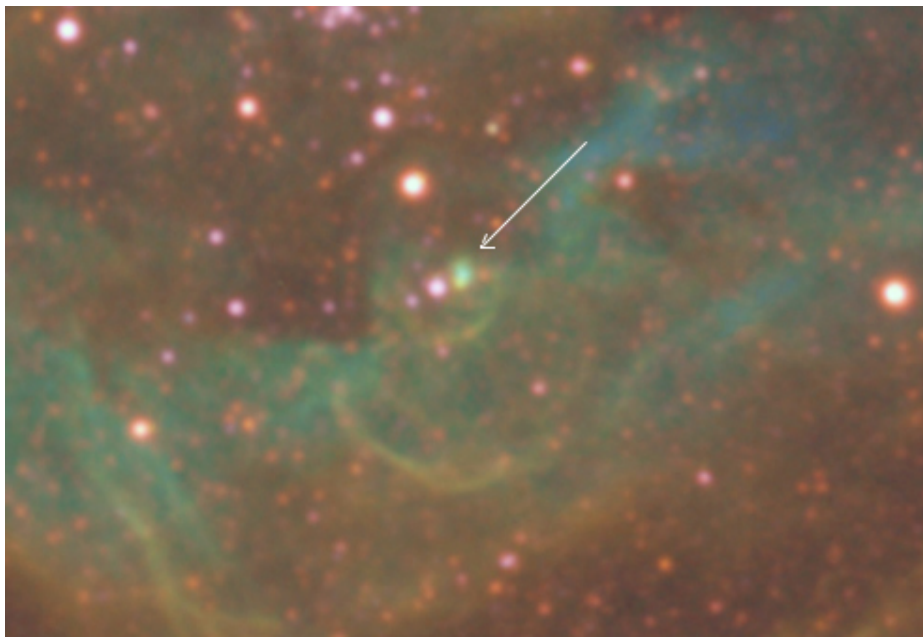
Mount	10 Micron GM3000 HPS
Telescope	Ritchey-Chrétien RC12
Spectroscope	Alpy 600 (23um slit)
Resolution (bin 1x1)	~1 Å at I656 nm
Principal camera	Atik 414 EX
Dispersion (bin 1x1)	~0,3 nm/pixel at I656 nm
Cam temperature	-10°C
Binning	1x1
Guiding camera	Atik 314L+
Data acquisition Soft	Prism v10.4.12.911
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.	HD42525_A0V
Exposure on ref star	10 x 20 s
Ref star Sp. date	26.120/02/2022

Slit position



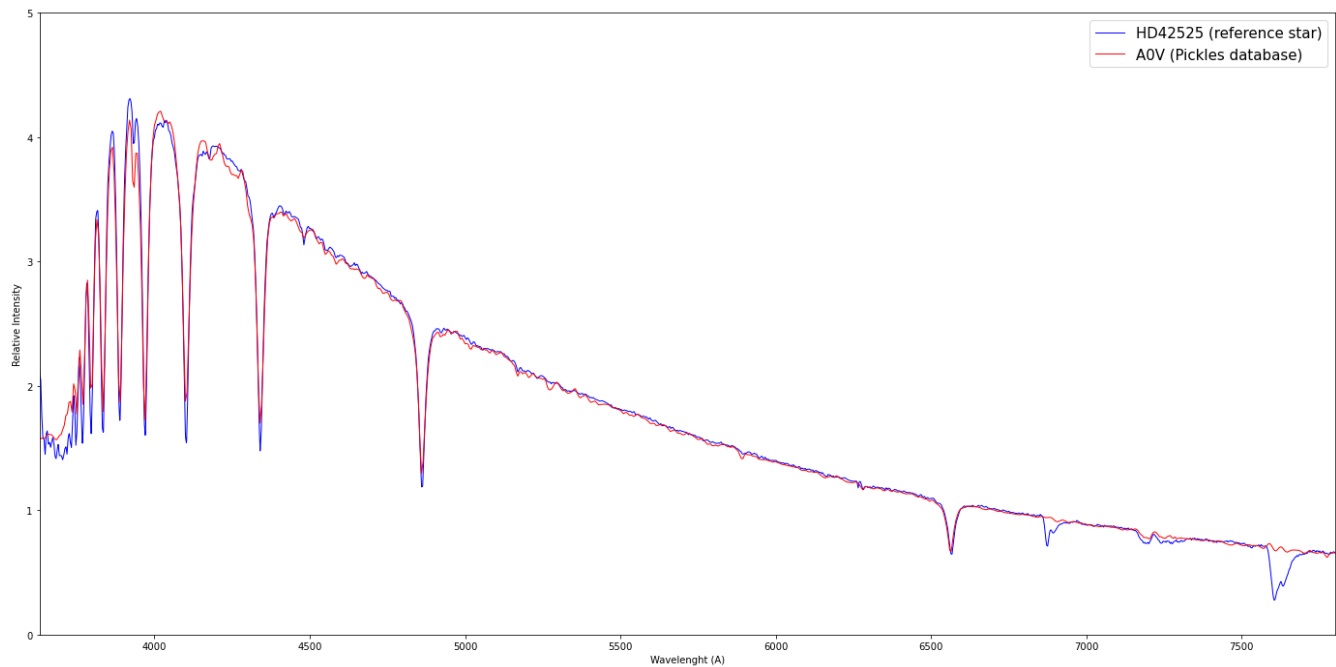
Object picture(s)



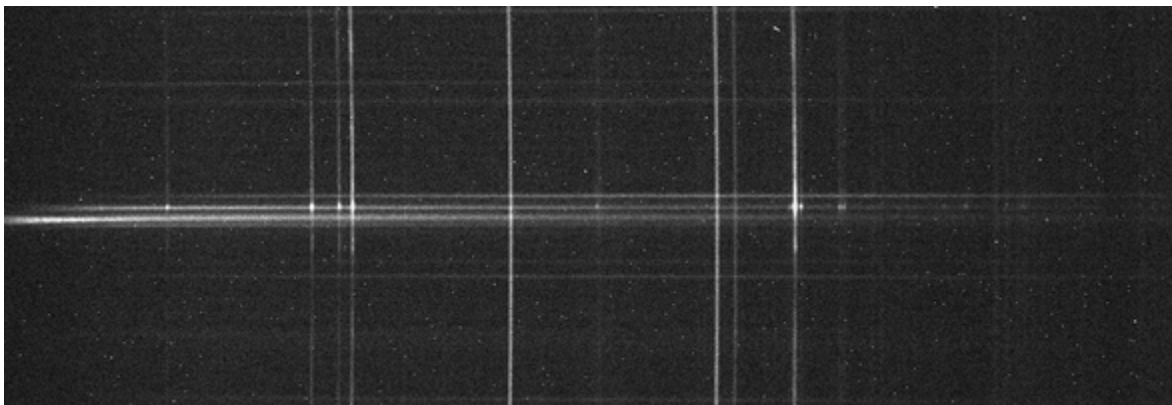


Instrumental Response and 2D Spectrum

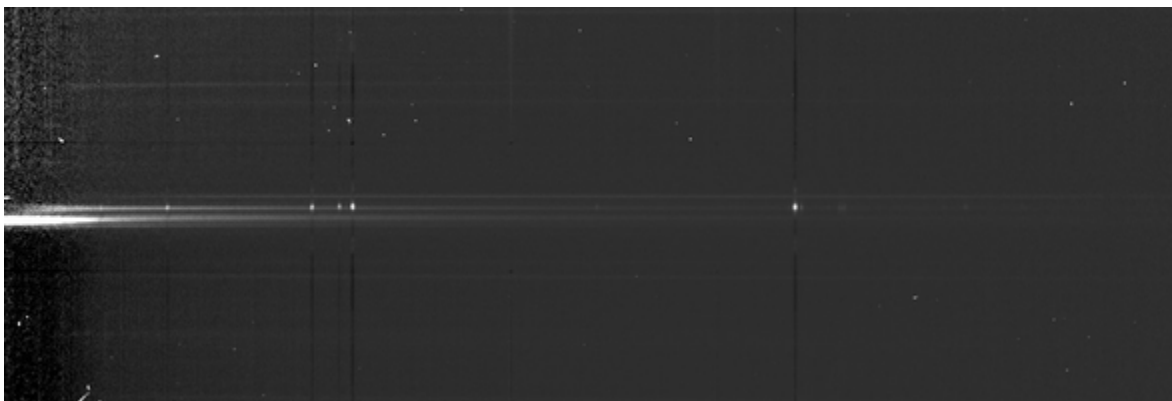
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

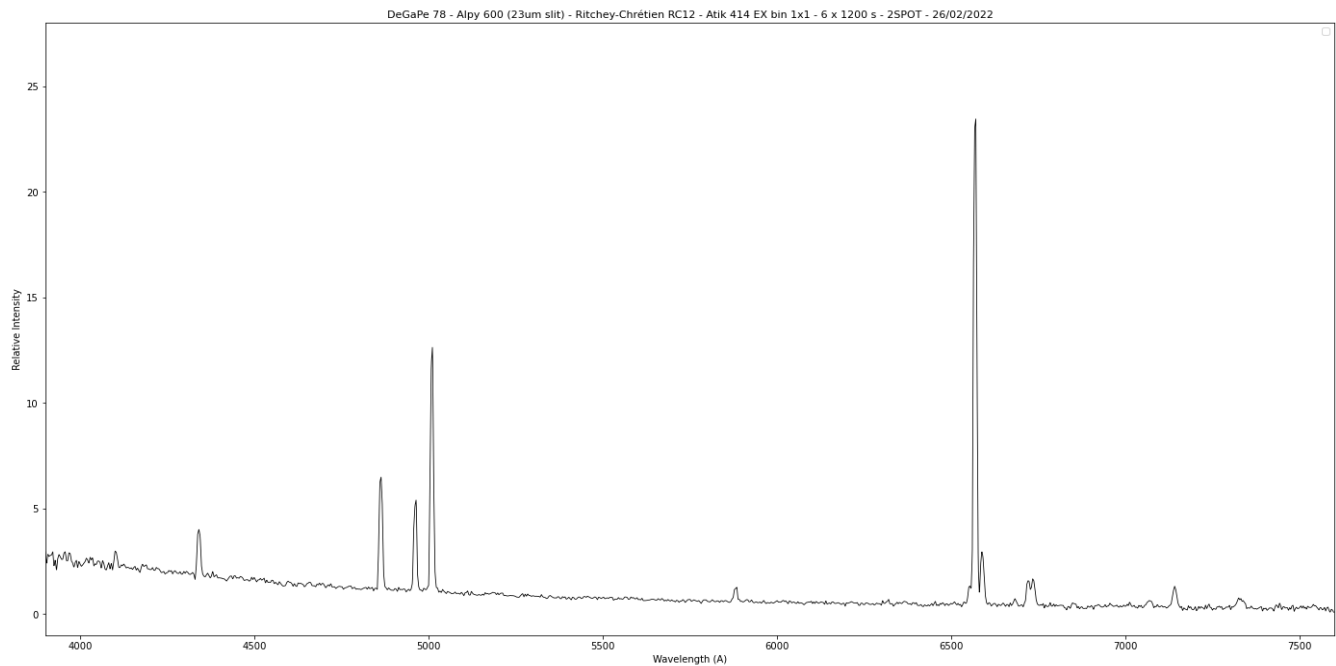


2D Raw spectrum



2D Processed spectrum





Comments

DeGaPe 78 was discovered on a SHO picture of the LMC.

It shows a faint hot star continuum.

It also has a redshift of a few Angstroms.

Signal/noise ratio is good.

DeGaPe 78 shows several strong emission lines, already very well visible on raw files.