



Spectroscopic Record Sheet



Details on acquisitions

Object	DeGaPe 65
Coordinates (J2000)	17:18:26.80 -33:36:31.00
Type	New candidate

Observation date	7.044/10/2023
Weather conditions	10°C / 40% hum
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 v11.2.3.21
Data processing soft	ISIS V6.1.1

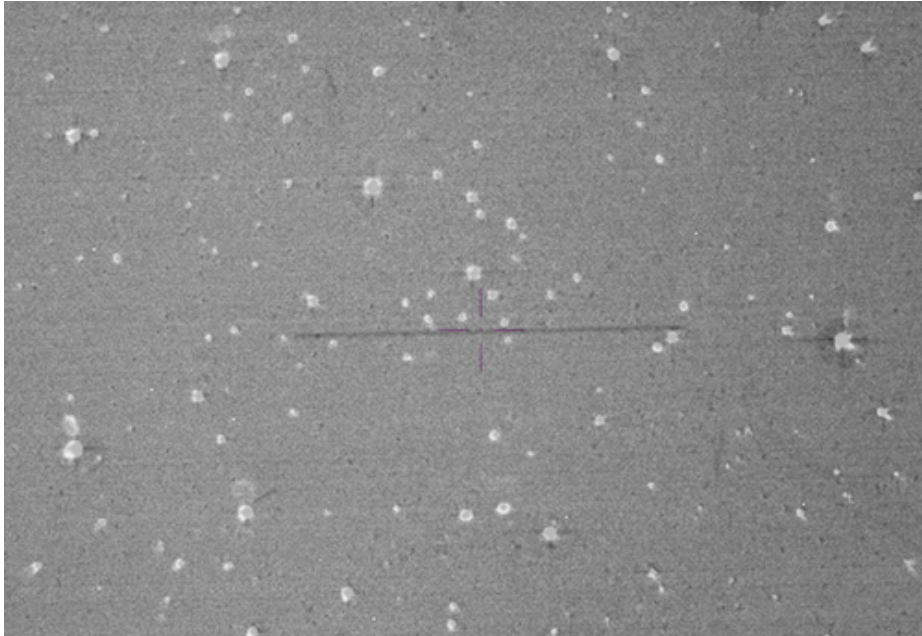
Exposure on object	6 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected

Reference star calib.	/_/_
Exposure on ref star	/
Ref star Sp. date	/

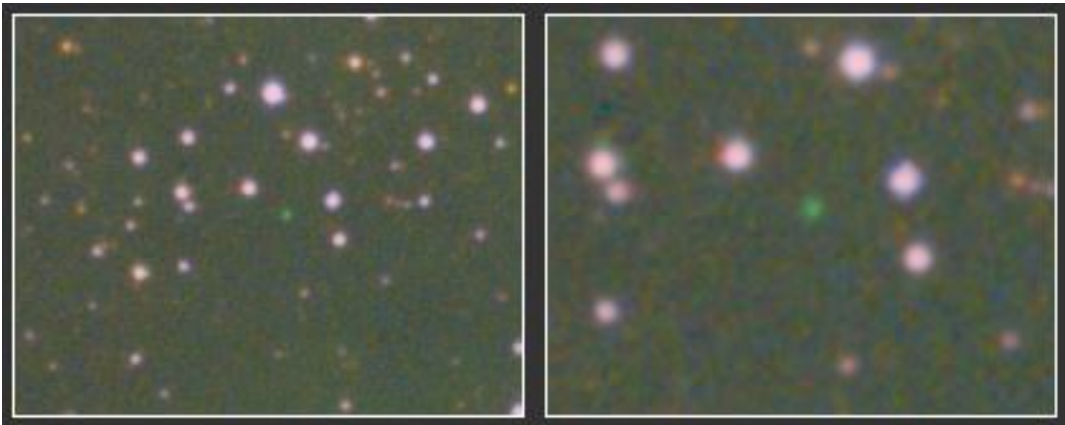


Slit position and images

Slit position



Object picture(s)



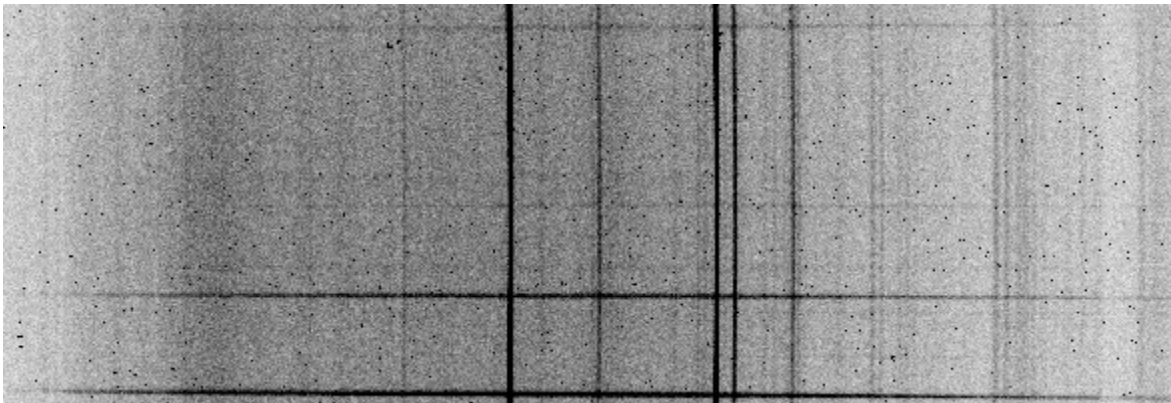


Instrumental Response and 2D Spectra

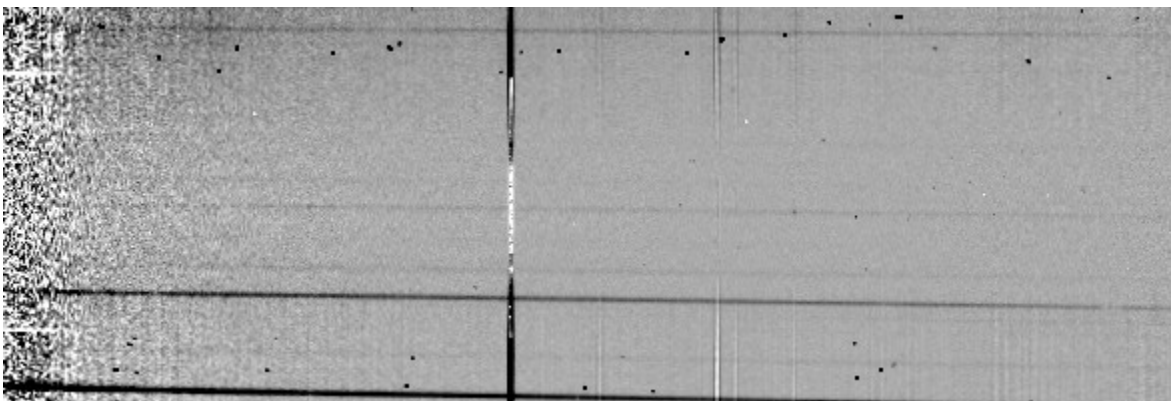
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

No reference star was used here
but a standard instrumental response
taken at the same height as the target.

2D Raw spectrum

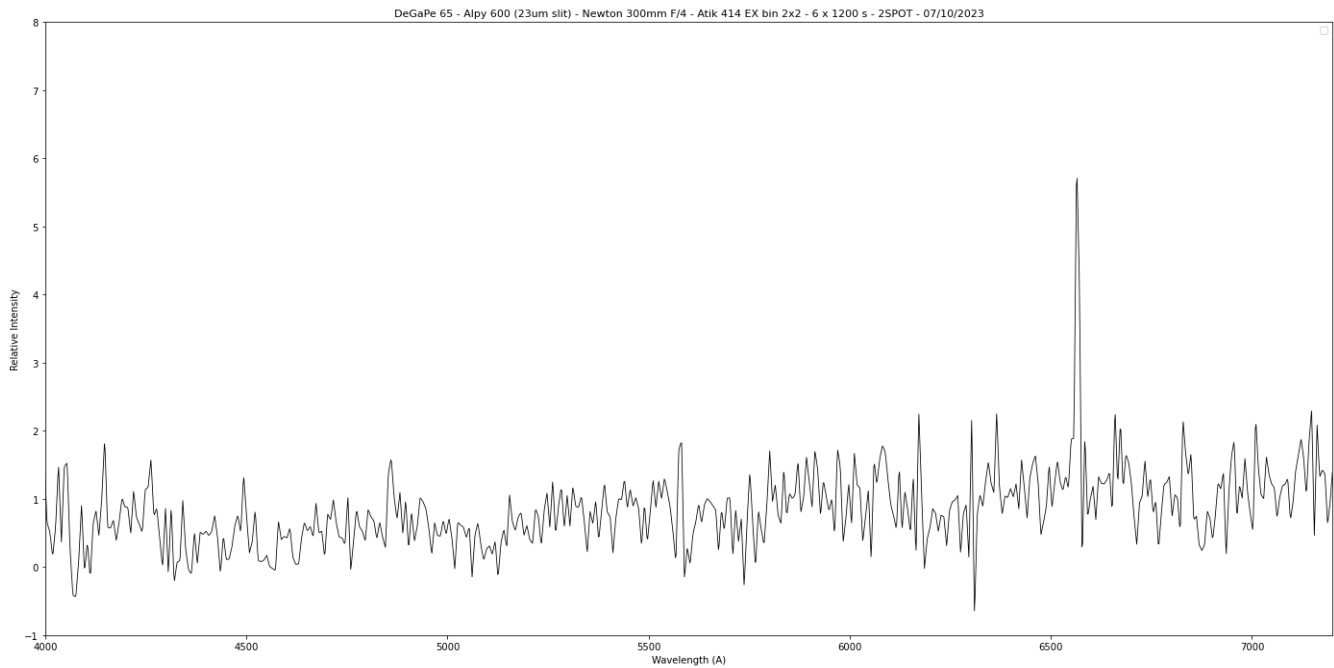


2D Processed spectrum





Results



Comments

H β and H α visible on both 2d and 1d spectra.
No other line visible...