Spectroscopic Record Sheet

Details on acquisitions

Object	Su 9
Coordinates (J2000)	01:56:59.84 -74:15:41.40
Type	New candidate

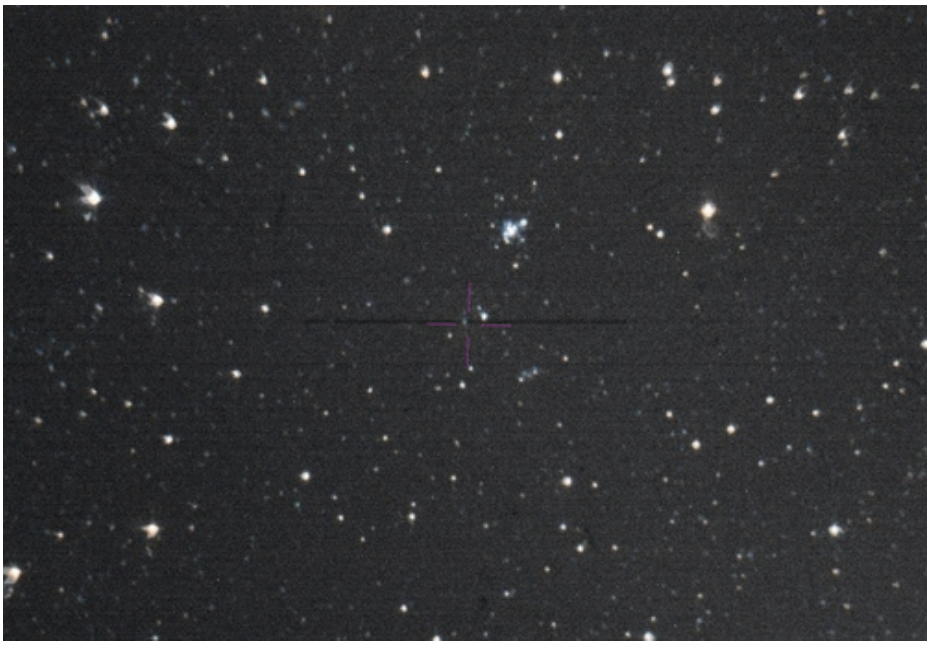
Observation date	11.287/08/2024
Weather conditions	/
Observer	2SPOT
Location	Deep Sky Chile (CL)

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	2x2
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.	/_/
Exposure on ref star	/
Ref star Sp. date	/

Slit position and images

Slit position



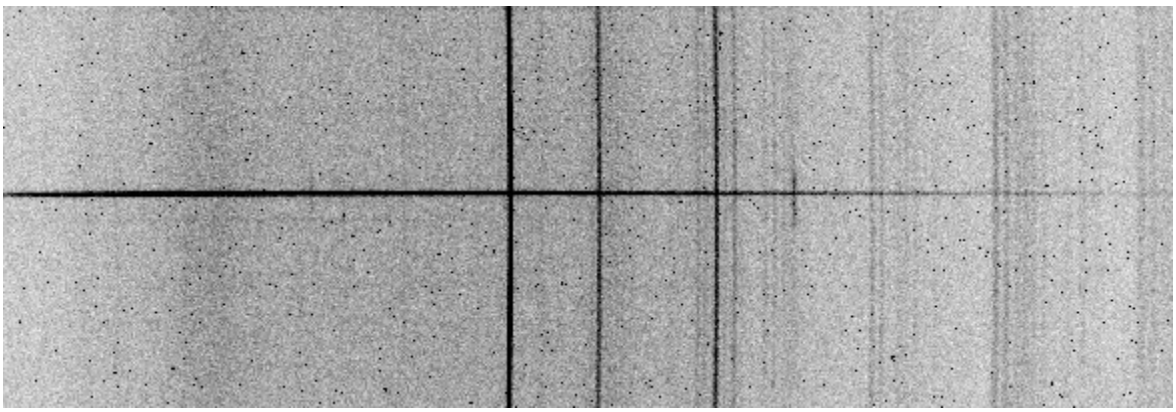
Object picture(s)

Instrumental Response and 2D Spectra

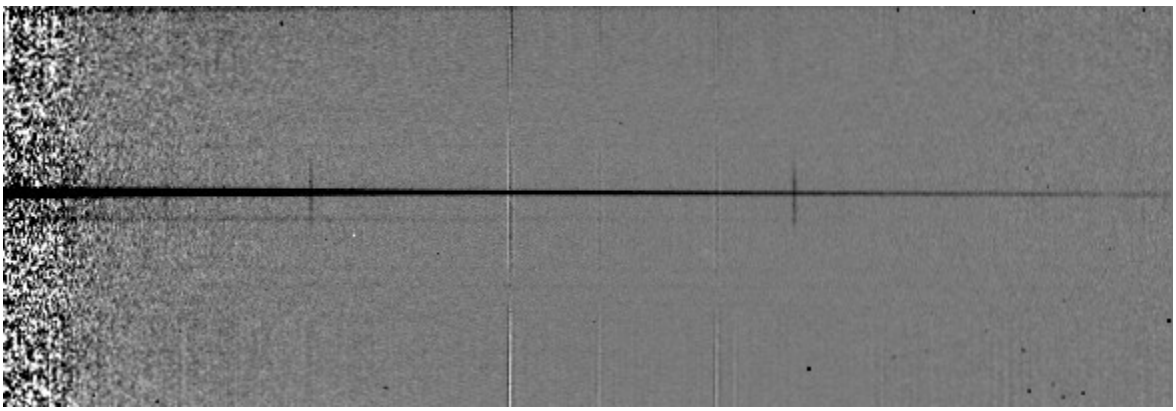
Instrumental response (red = theoritical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)

No refence star was used here
but a satandard instrumental response
taken at the same hight as the target.

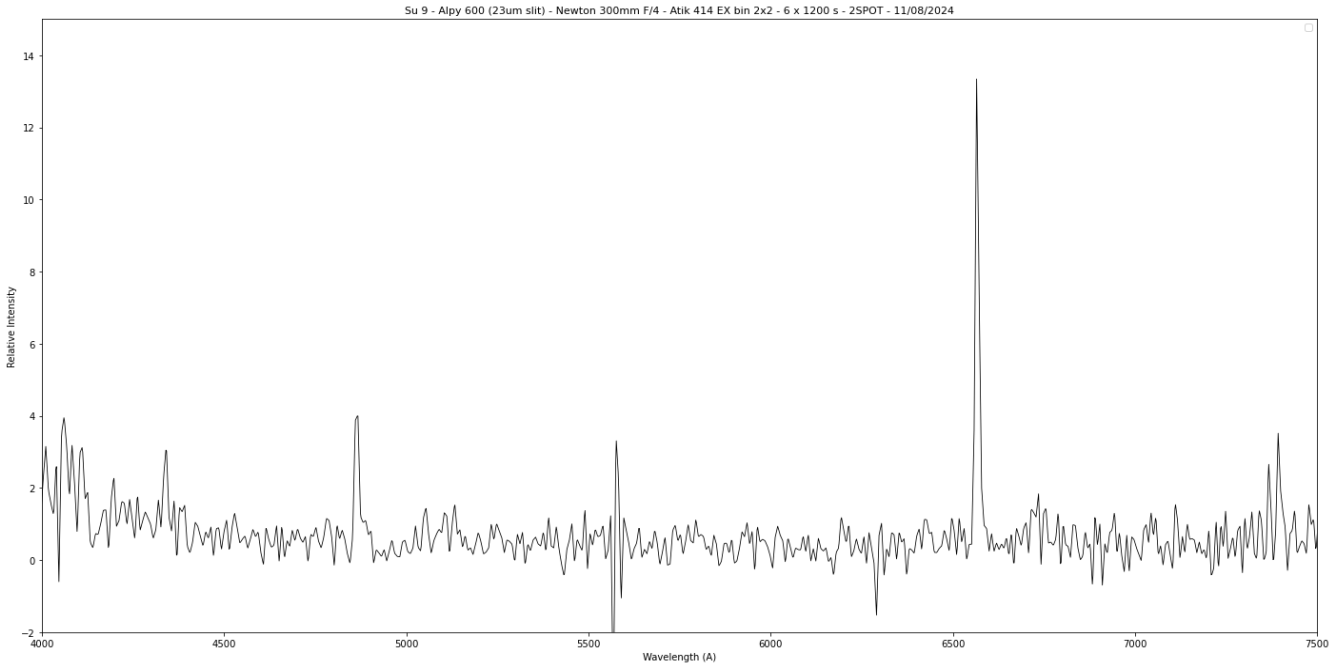
2D Raw spectrum



2D Processed spectrum



Results



Comments

Lines visible:
- Hg (4340)
- Hb (4861)
- Ha (6563)

And also, maybe:
- [SII] (6716/6730)
- Ar (7372)
- Ar (7393)