



Spectroscopic Record Sheet



Details on acquisitions

Object	DeGaPe 53
Coordinates (J2000)	08:21:24.00 -36:00:14.00
Type	New candidate

Observation date	5.219/12/2021
Weather conditions	Temp: 15°C Hum: 45%
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

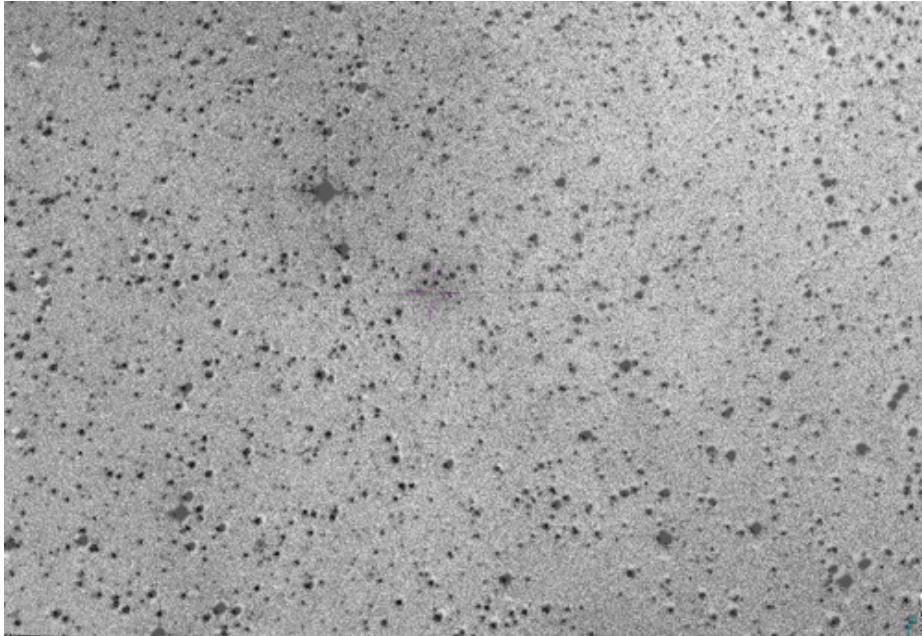
Exposure on object	9 x 1200 s
Master Dark	Corrected
Master Flat	Corrected
Master Offset	Corrected
Neon-Argon calibration	Corrected

Reference star calib.	HD73495_A0V
Exposure on ref star	15 x 10 s
Ref star Sp. date	5.291/12/2021

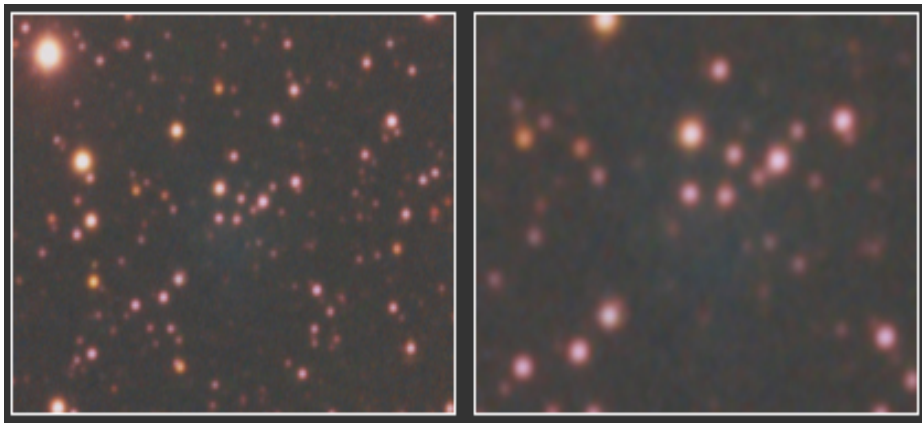


Slit position and images

Slit position



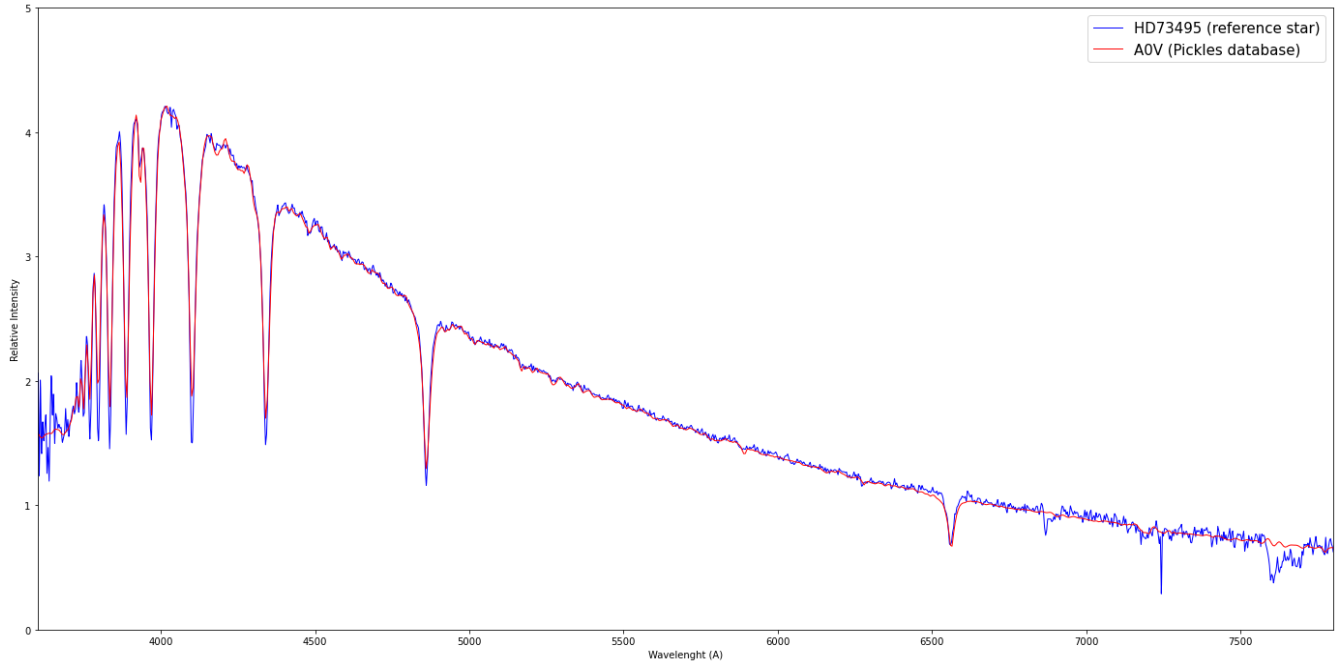
Object picture(s)



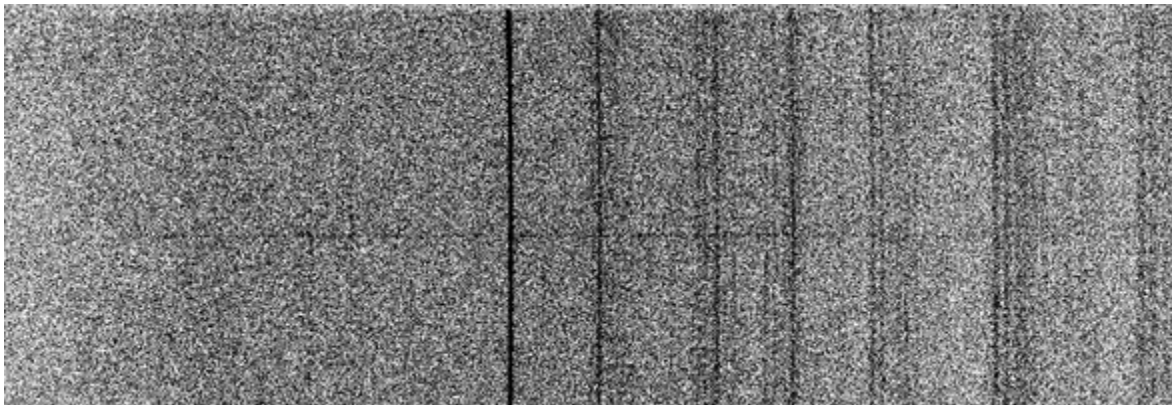


Instrumental Response and 2D Spectrum

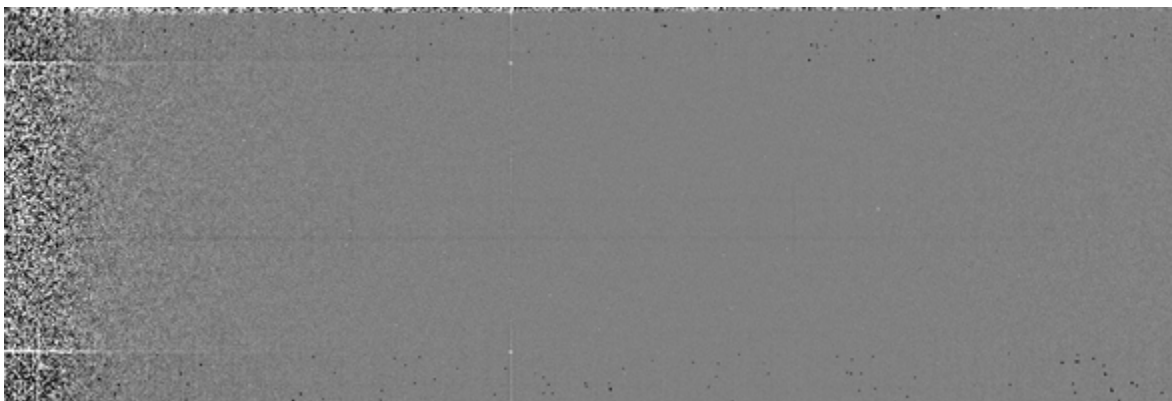
Instrumental response (red = theoretical ref star spectrum ; blue = acquired ref star spectrum with instrumental response correction applied)



2D Raw spectrum

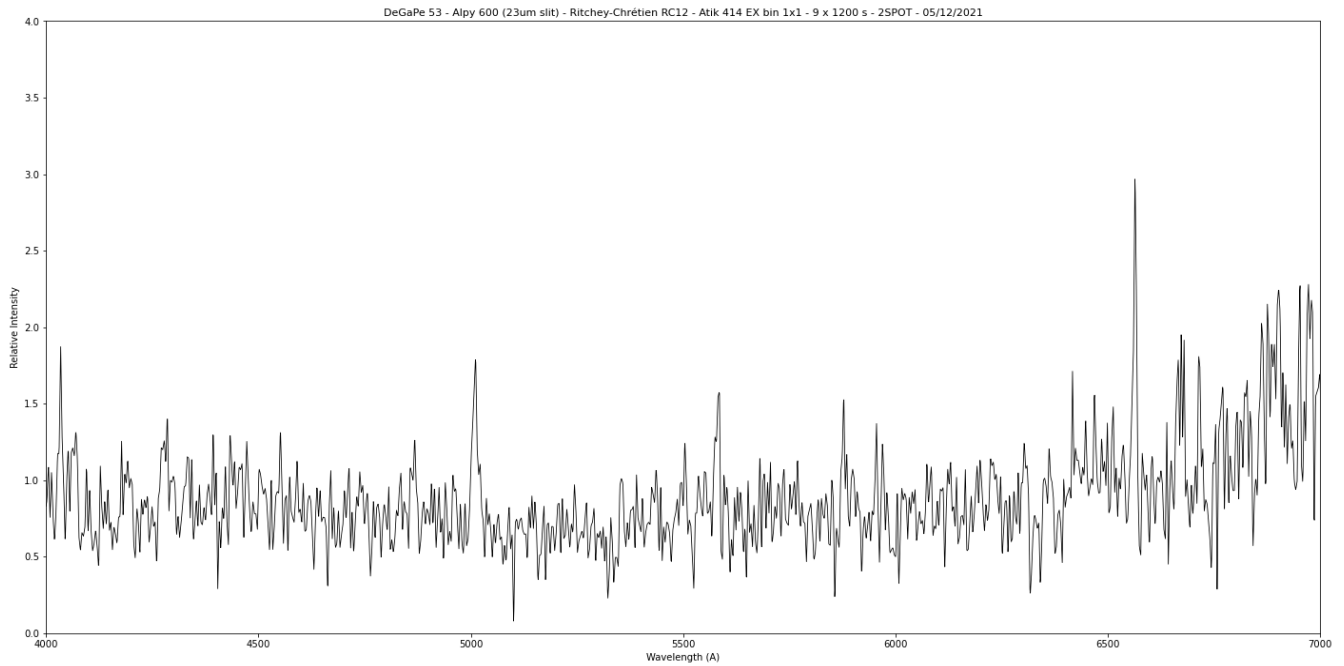


2D Processed spectrum





Results



Comments

Ha and [OIII] lines well visible out of noise.