## **SPIRou Line-by-line Radial Velocity**

Object: TOI727, Template: TOI727, Zero-point corrected: True

Number of exposures: 134, Number of epochs: 35

Diagnostic Plots

2023-05-31

Stellar Parameters		Planet Parameters	
Host name	TIC 149788158	Name	TOI 727.01
RA	08:42:56.86	Mass (M⊕)	4.57
Dec.	-02:29:54.91	Radius (R⊕)	1.98
Mass (Mo)	0.50	Density (g/cm³)	3.3
Radius (Ro)	0.50	Period (days)	4.72444
Lum. (L⊙)	0.0397	Transit depth (ppt)	1.48
Teff (K)	3653	Transit dur. (hr)	1.00
Spect. type	M1V	Orb. sep. (au)	0.044
Dist. (pc)	42.97	Teq (K)	441
V	12.68	Insolation (S⊕)	6.29
Gaia	12.07	RV K (m/s)	2.78
J	9.66	Atmo. sig. (ppm)	11
H	9.08	TSM	59.3
K	8.83	ESM	3.8

Link to ExoFOP











