

SPIRou Line-by-line Radial Velocity

Object: TOI1759, Template: TOI1759, Zero-point corrected: True

Number of exposures: 204, Number of epochs: 51

Diagnostic Plots

2023-05-31

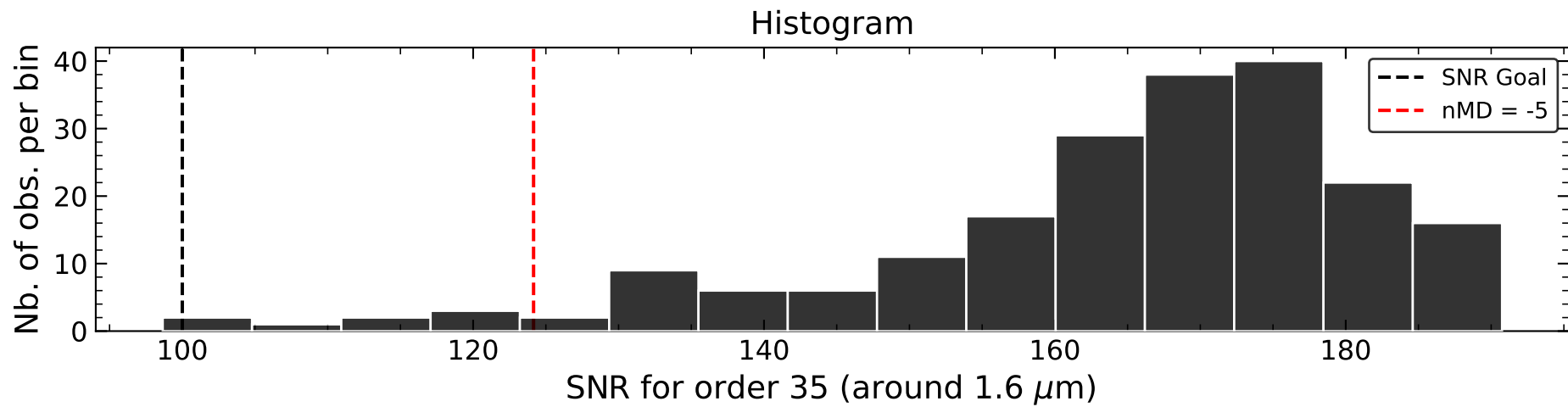
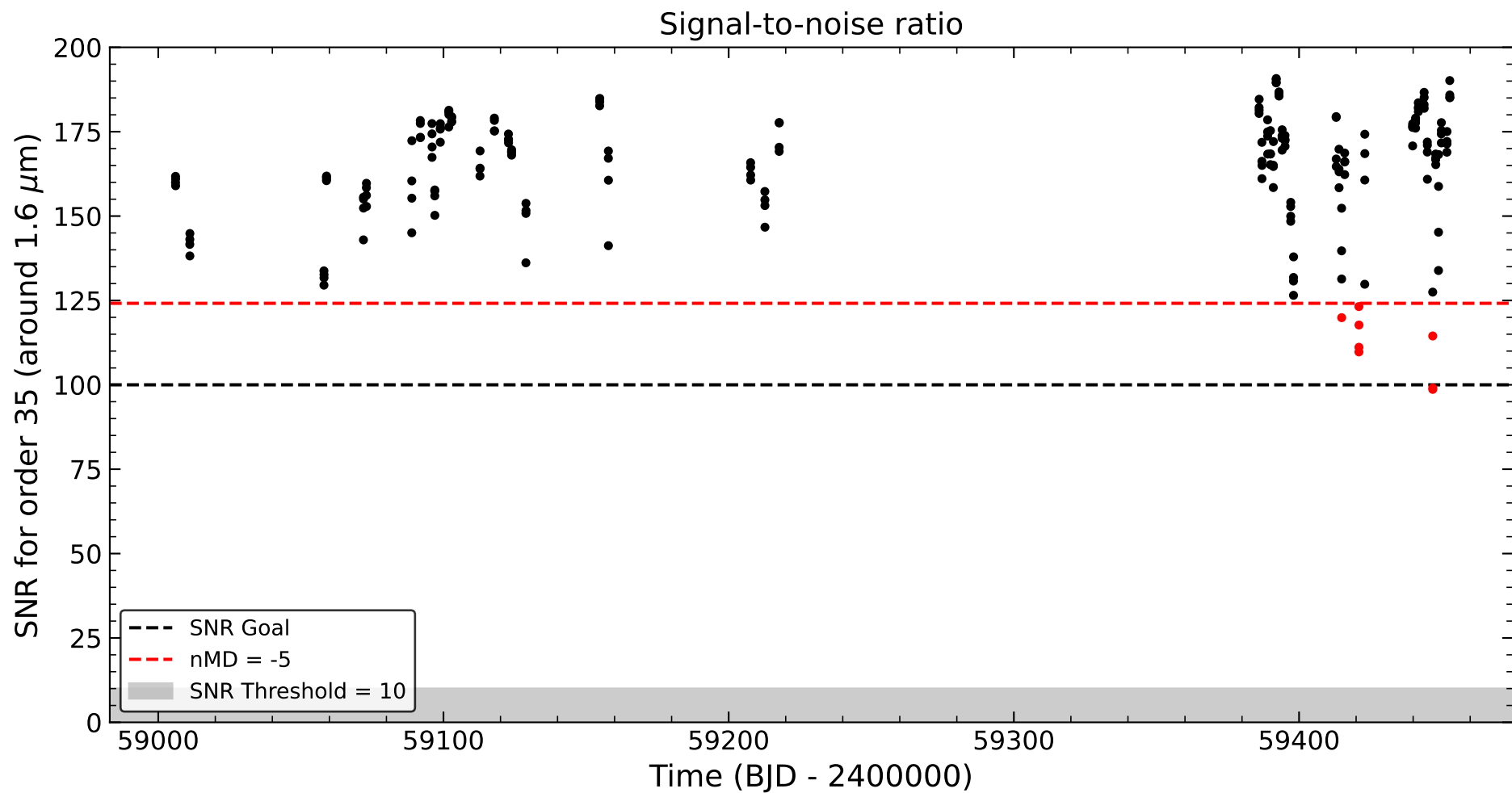
Stellar Parameters

Host name TIC 408636441
RA 21:47:24.4
Dec. 62:45:13.74
Mass (M_{\odot}) 0.61
Radius (R_{\odot}) 0.63
Lum. (L_{\odot}) 0.0871
Teff (K) 3960
Spect. type **K8V**
Dist. (pc) 40.07
V 11.93
Gaia 10.84
J 8.77
H 8.11
K 7.93

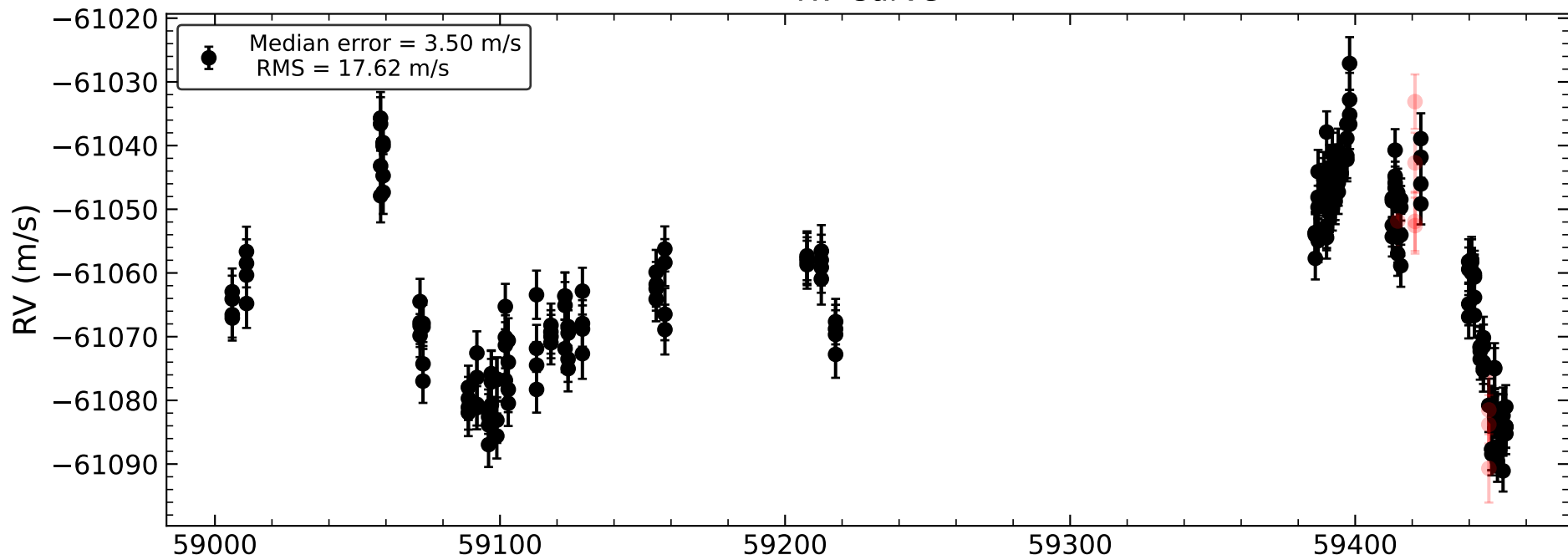
Planet Parameters

Name TOI 1759.01
Mass (M_{\oplus}) **9.86**
Radius (R_{\oplus}) 3.11
Density (g/cm^3) **1.8**
Period (days) 18.85001
Transit depth (ppt) 2.36
Transit dur. (hr) 3.41
Orb. sep. (au) **0.12**
Teq (K) 432
Insolation (S_{\oplus}) 5.80
RV K (m/s) **3.29**
Atmo. sig. (ppm) **141**
TSM **76.4**
ESM **2.8**

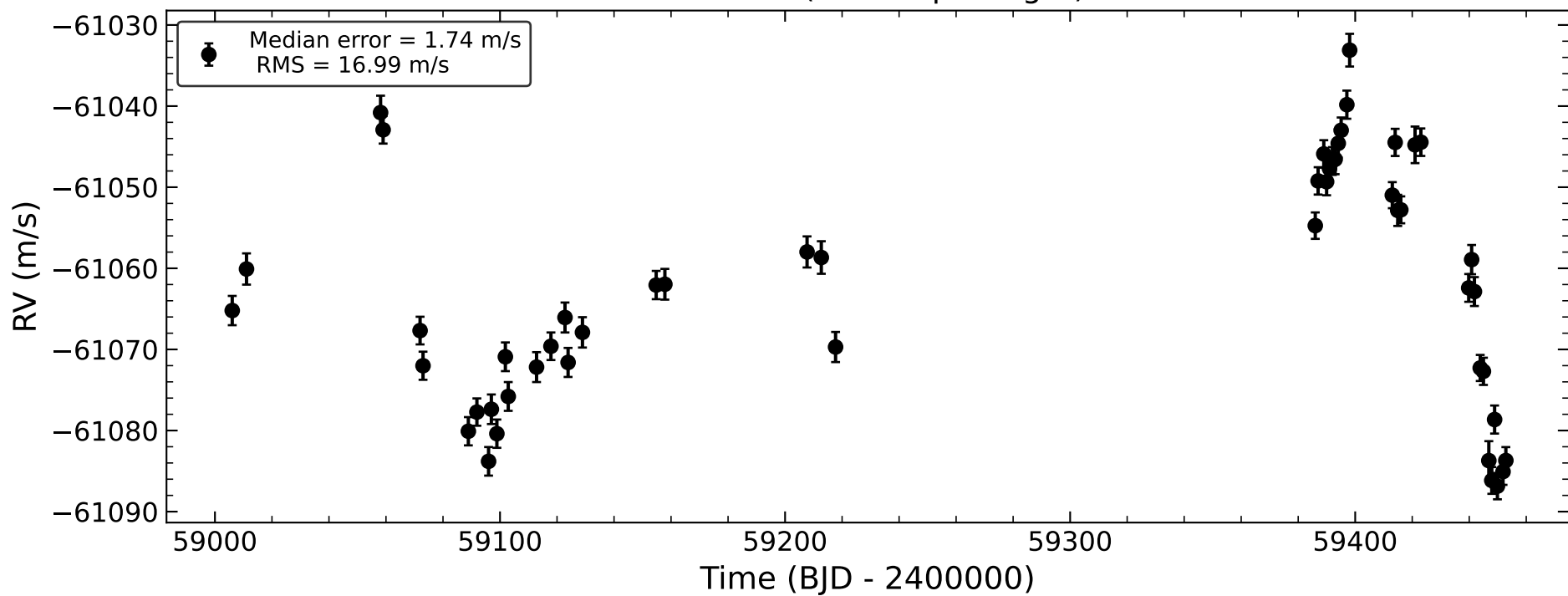
[Link to ExoFOP](#)

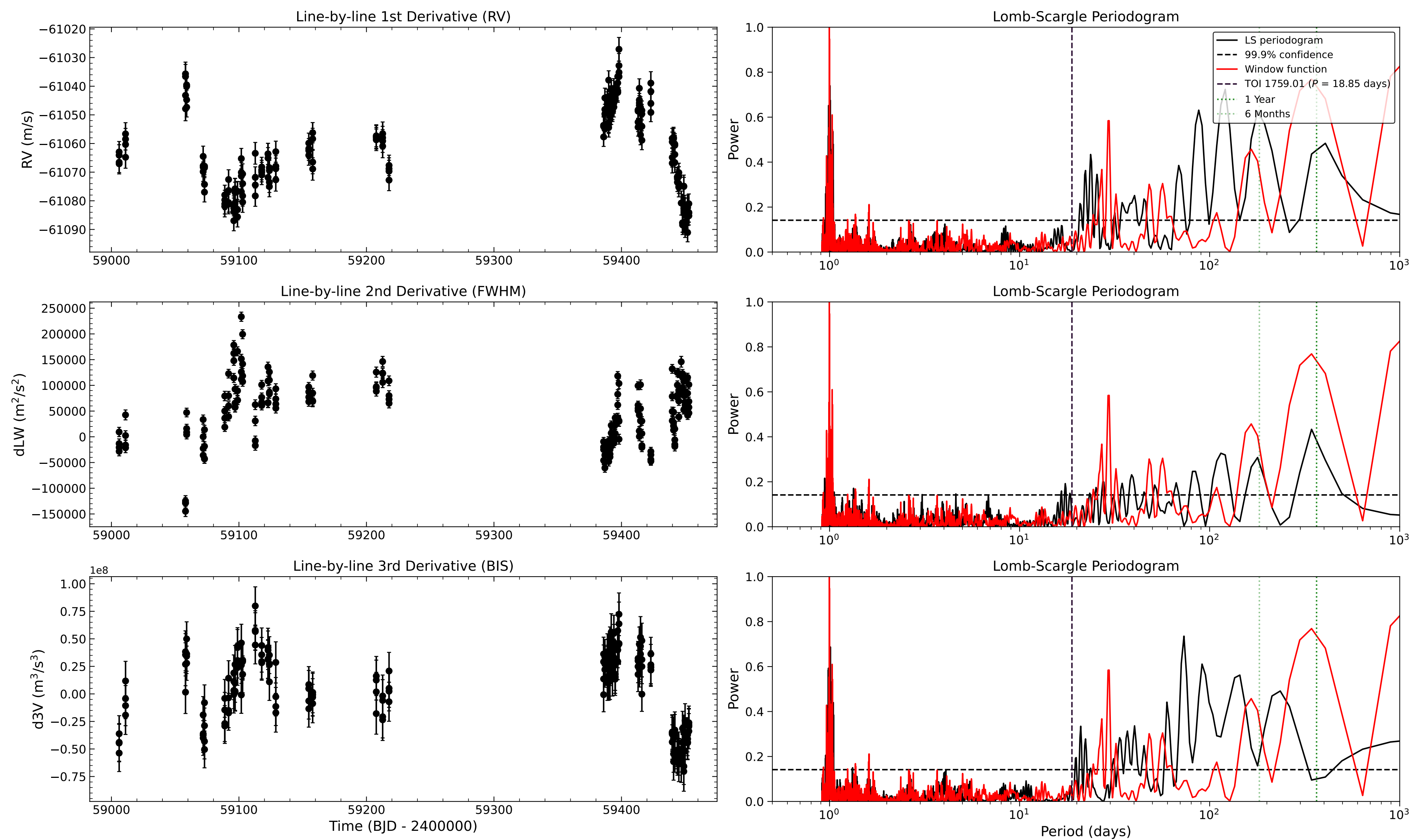


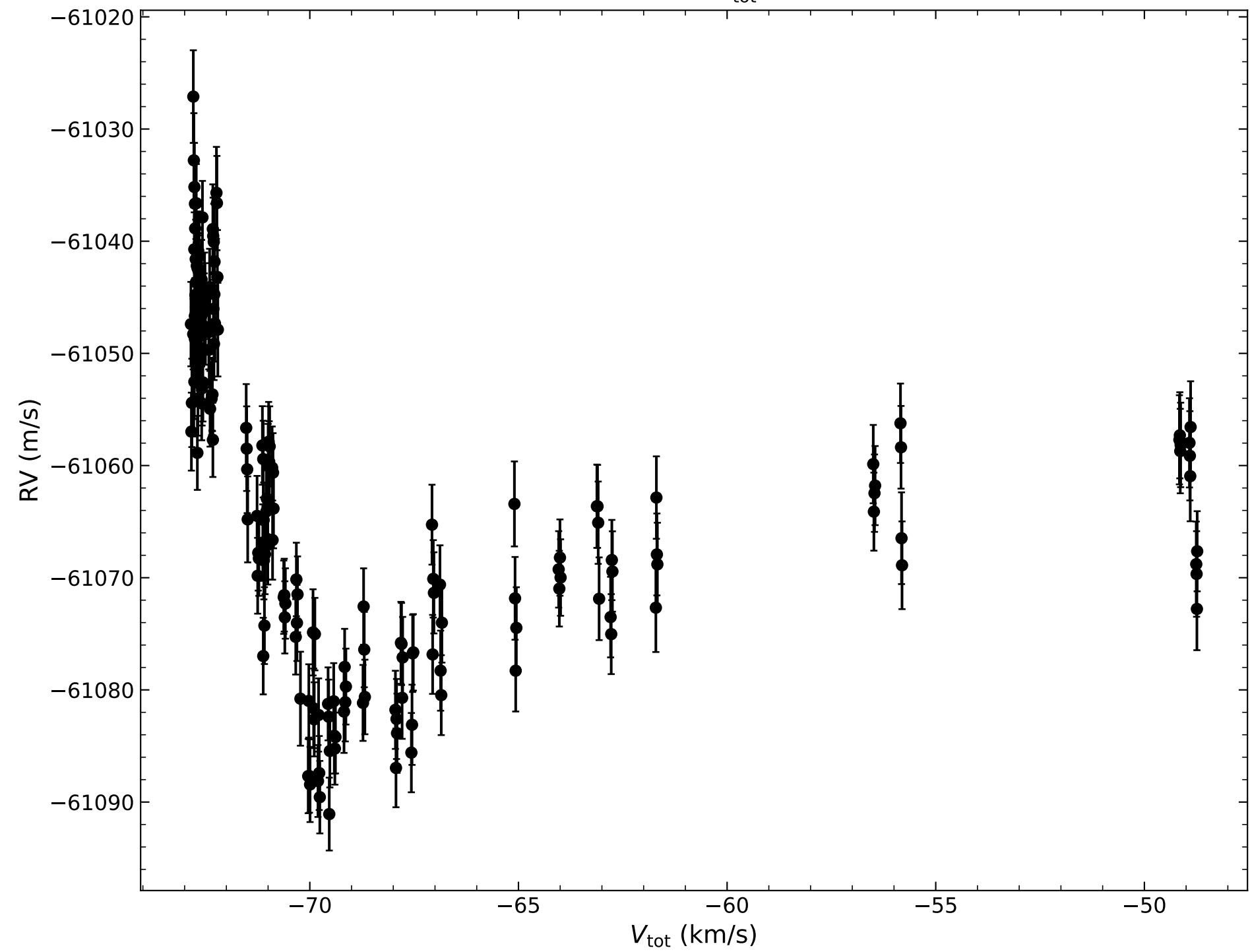
RV Curve



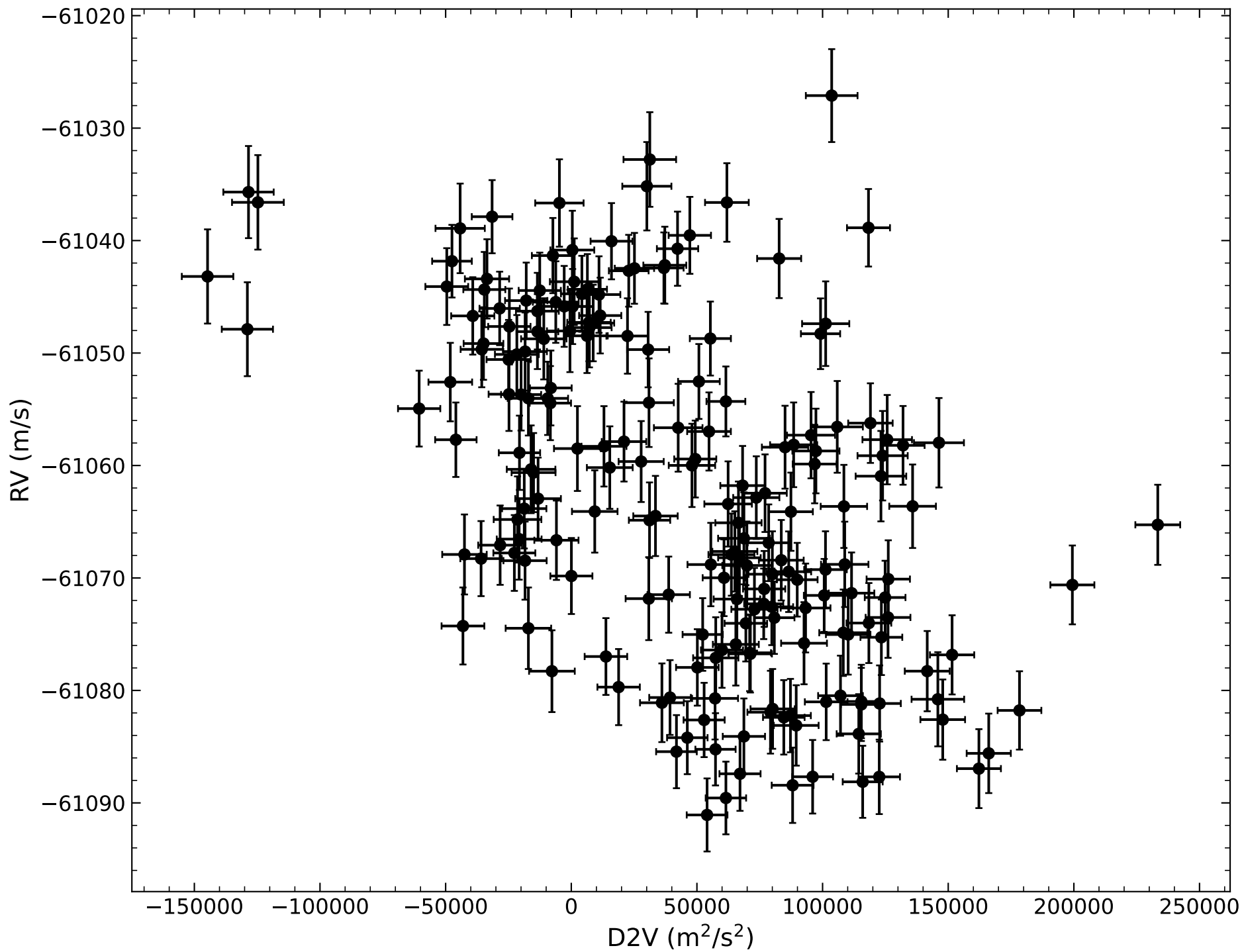
RV Curve (binned per night)





RV vs. V_{tot} 

RV vs. D2V



RV vs. D3V

