

SPIRou Line-by-line Radial Velocity

Object: TOI1732, Template: GL410, Zero-point corrected: True

Number of exposures: 60, Number of epochs: 15

Diagnostic Plots

2023-05-31

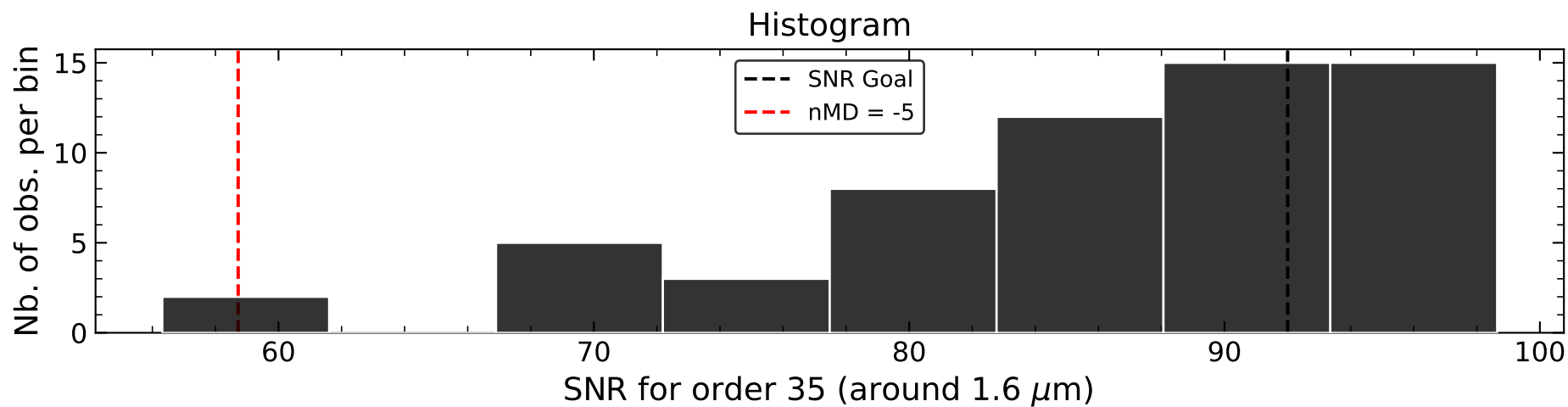
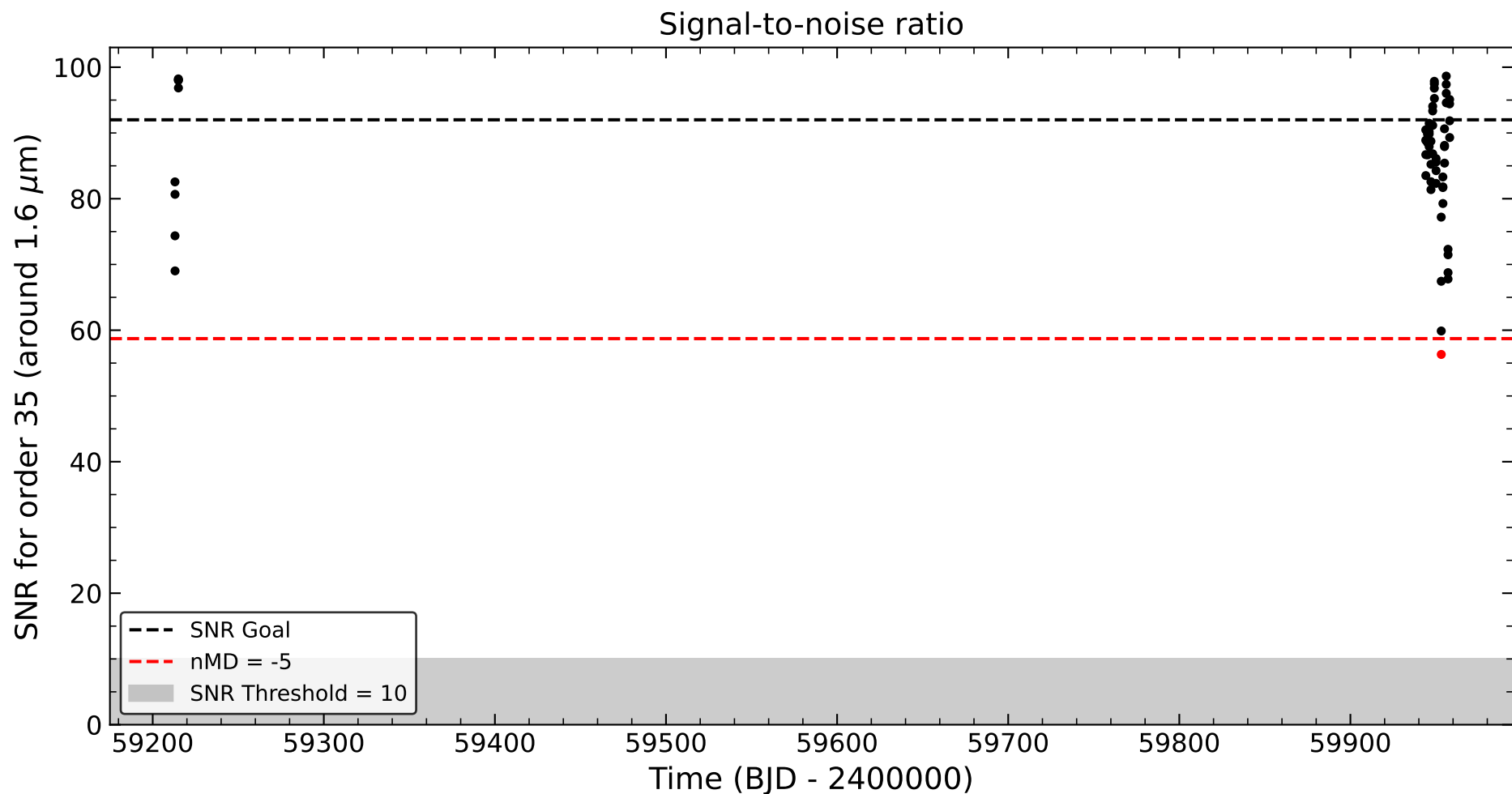
Stellar Parameters

Host name TIC 470987100
RA 07:27:12.35
Dec. 53:02:42.97
Mass (M_{\odot}) 0.61
Radius (R_{\odot}) 0.63
Lum. (L_{\odot}) 0.0814
Teff (K) 3876
Spect. type **M0V**
Dist. (pc) 74.76
V 12.89
Gaia 12.28
J 10.13
H 9.46
K 9.26

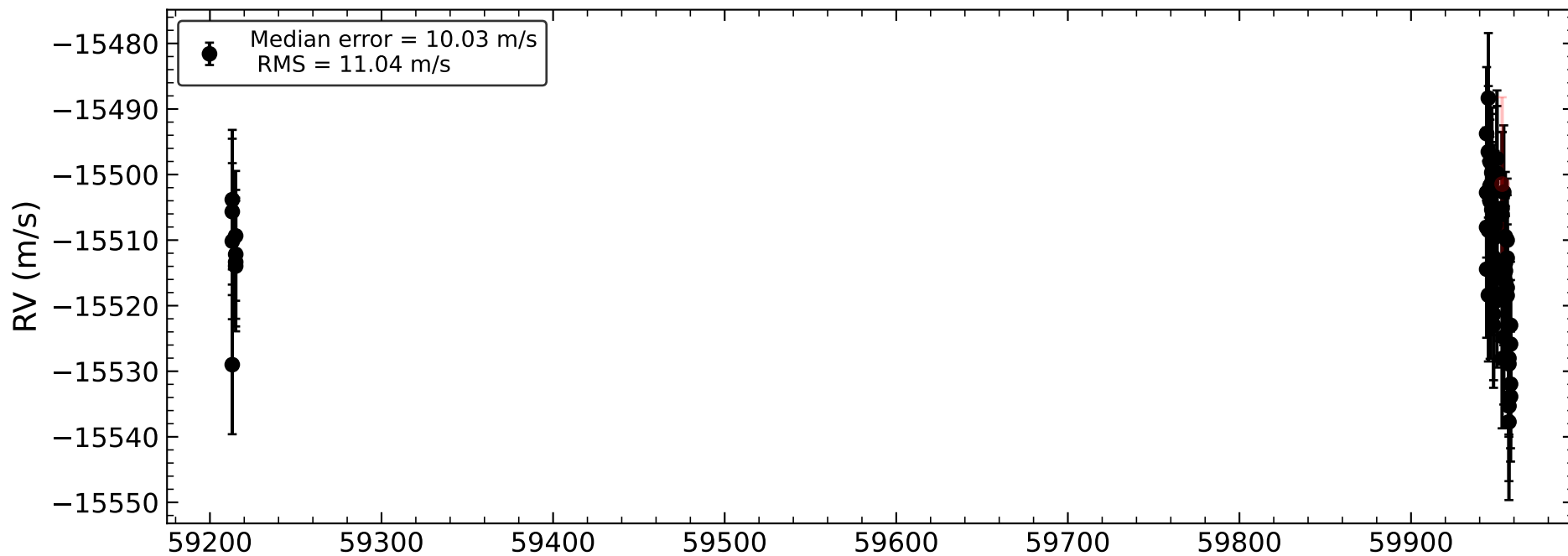
Planet Parameters

Name TOI 1732.01
Mass (M_{\oplus}) **5.59**
Radius (R_{\oplus}) 2.22
Density (g/cm^3) **2.8**
Period (days) 4.11922
Transit depth (ppt) 1.24
Transit dur. (hr) 2.18
Orb. sep. (au) **0.043**
Teq (K) 658
Insolation (S_{\oplus}) 44.25
RV K (m/s) **3.09**
Atmo. sig. (ppm) **138**
TSM **42.0**
ESM **3.9**

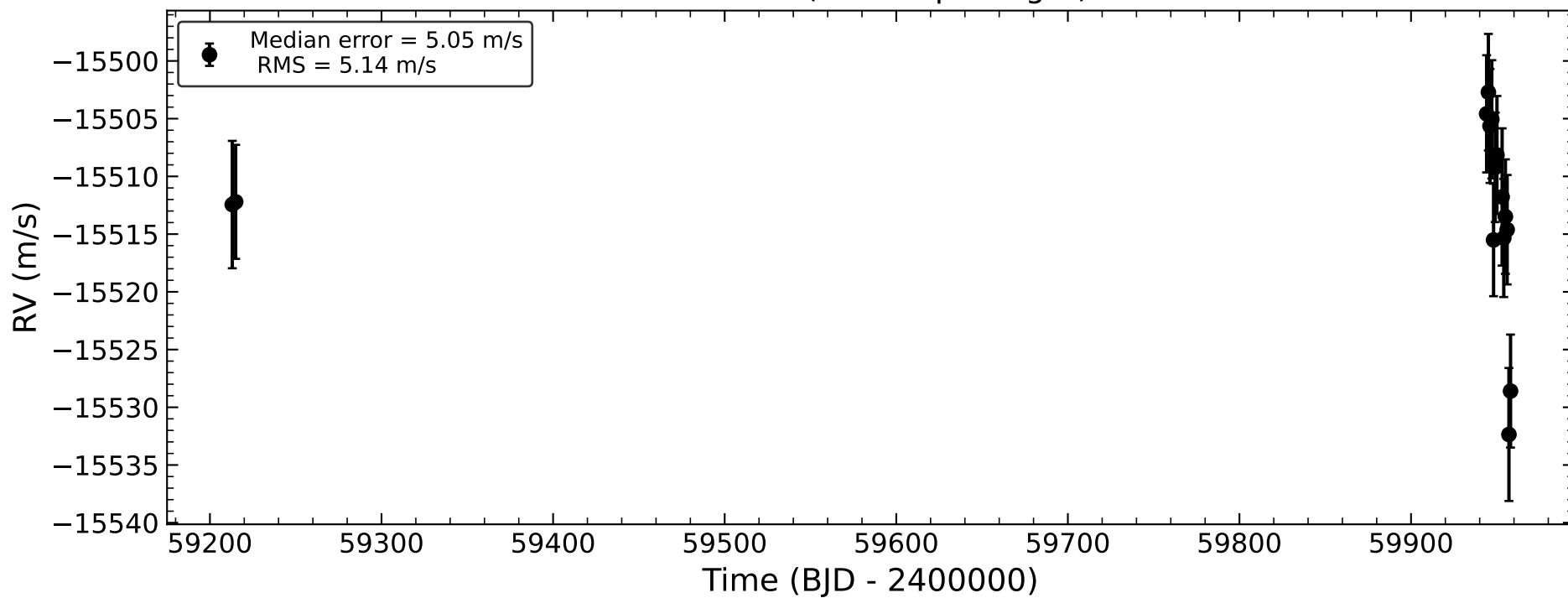
[Link to ExoFOP](#)

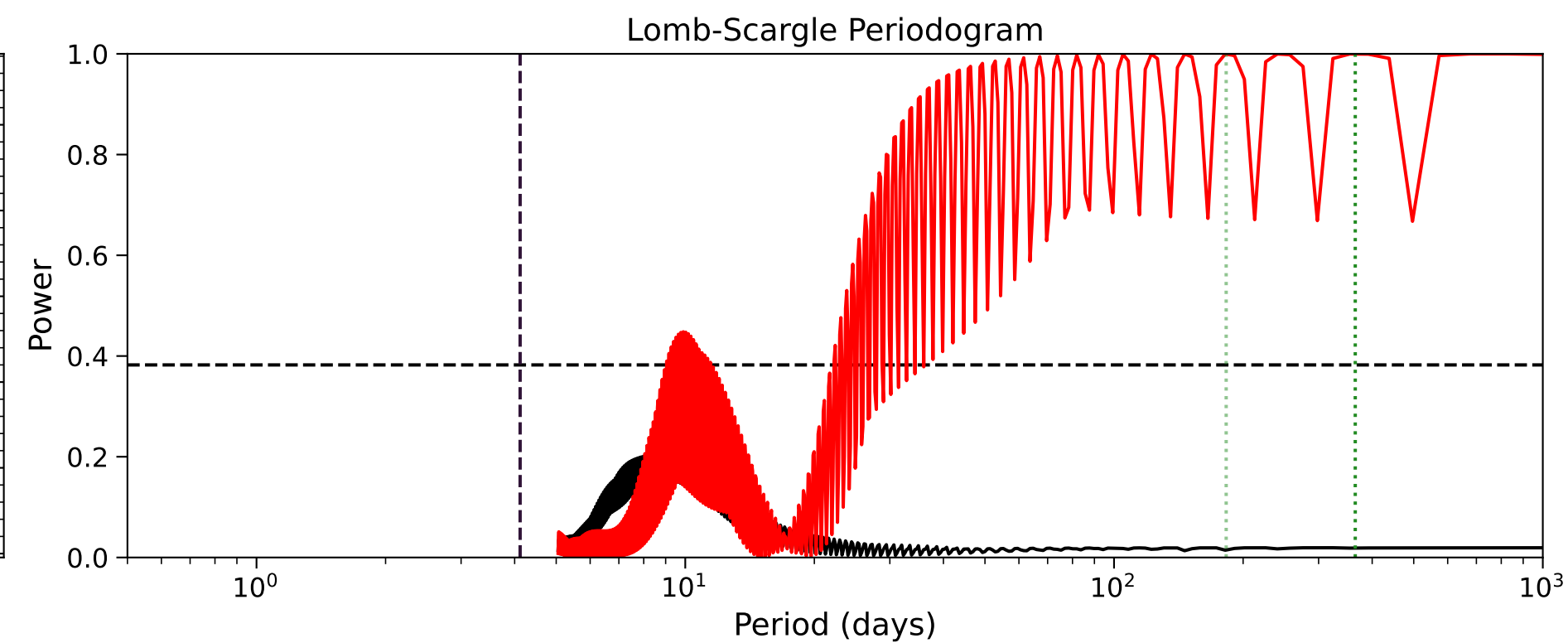
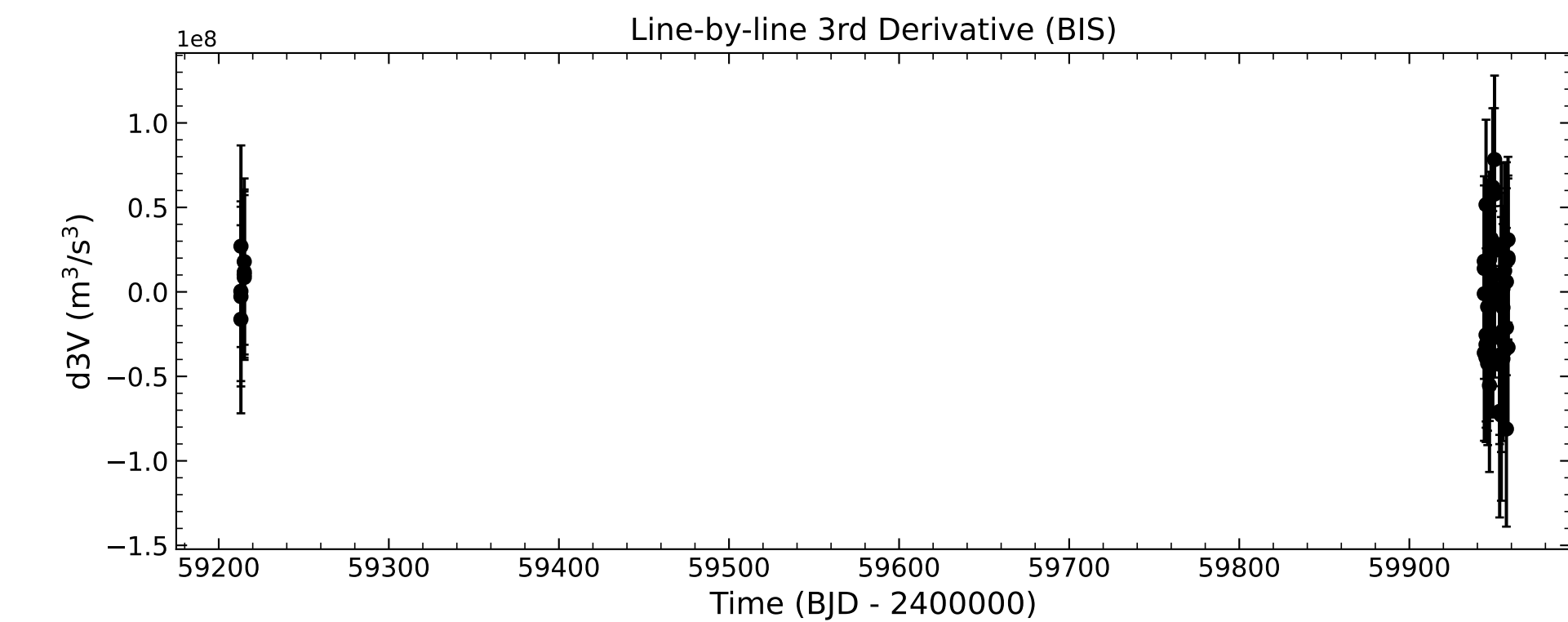
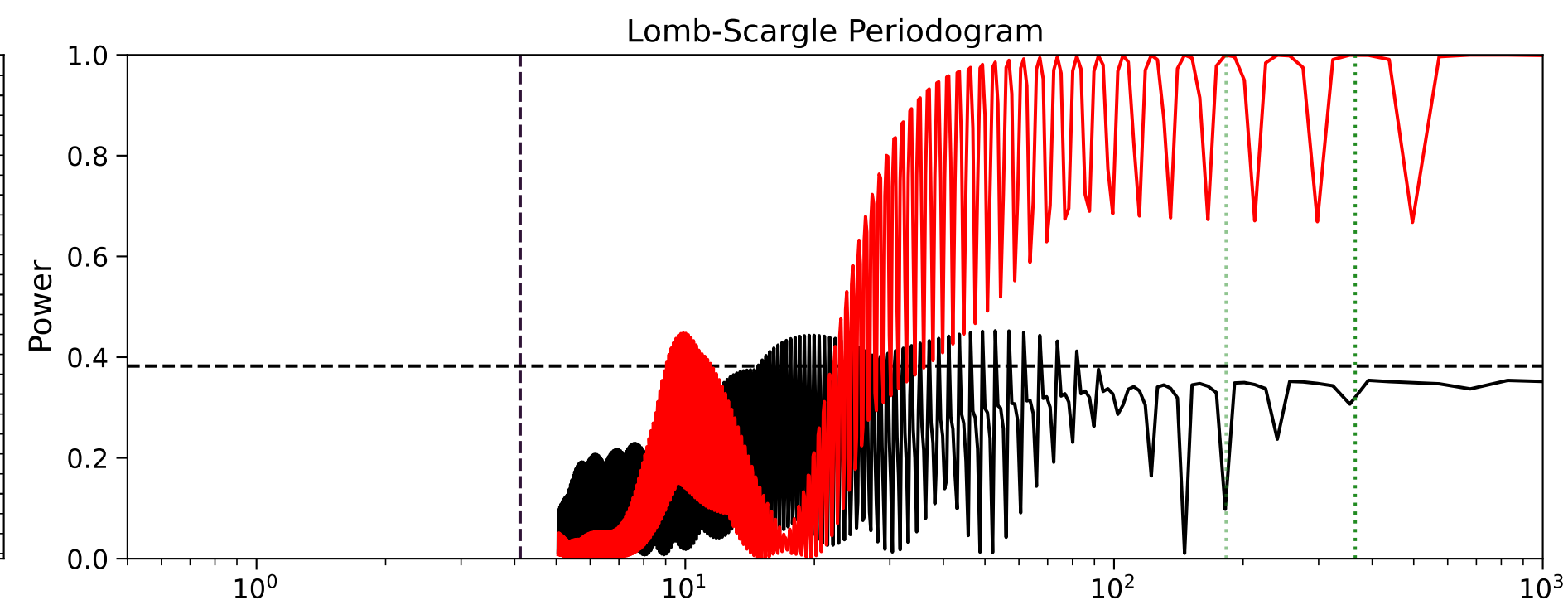
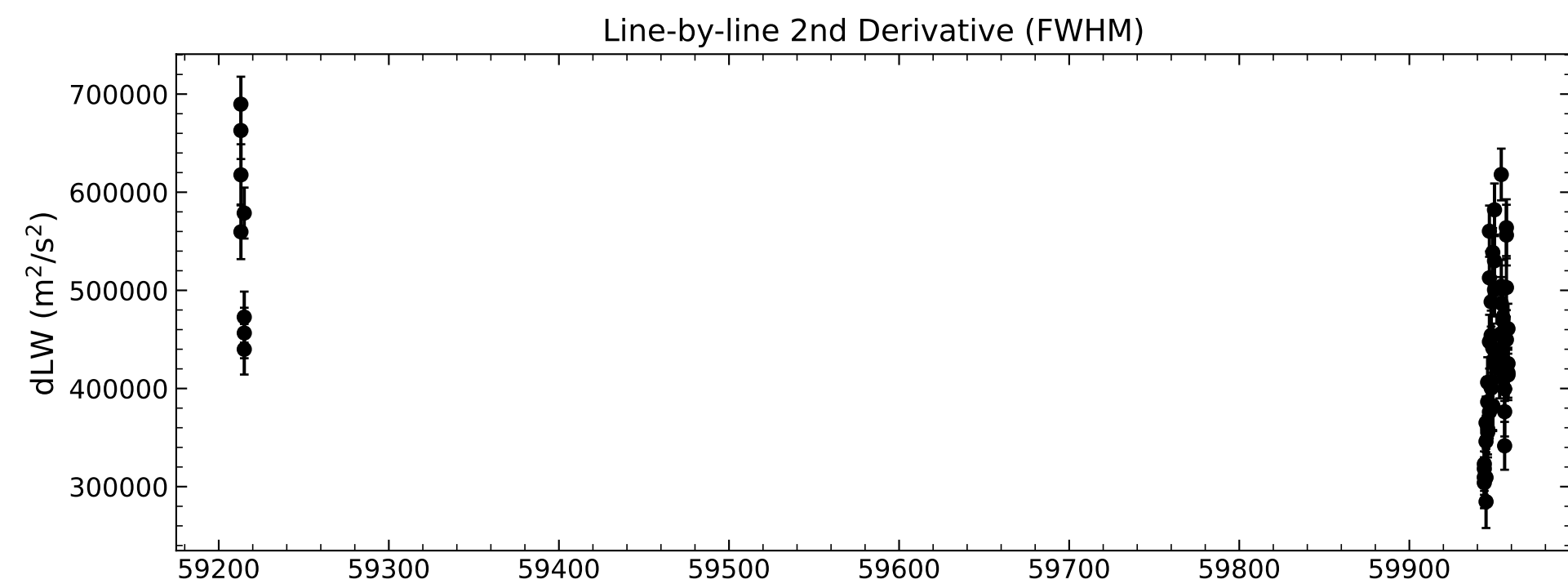
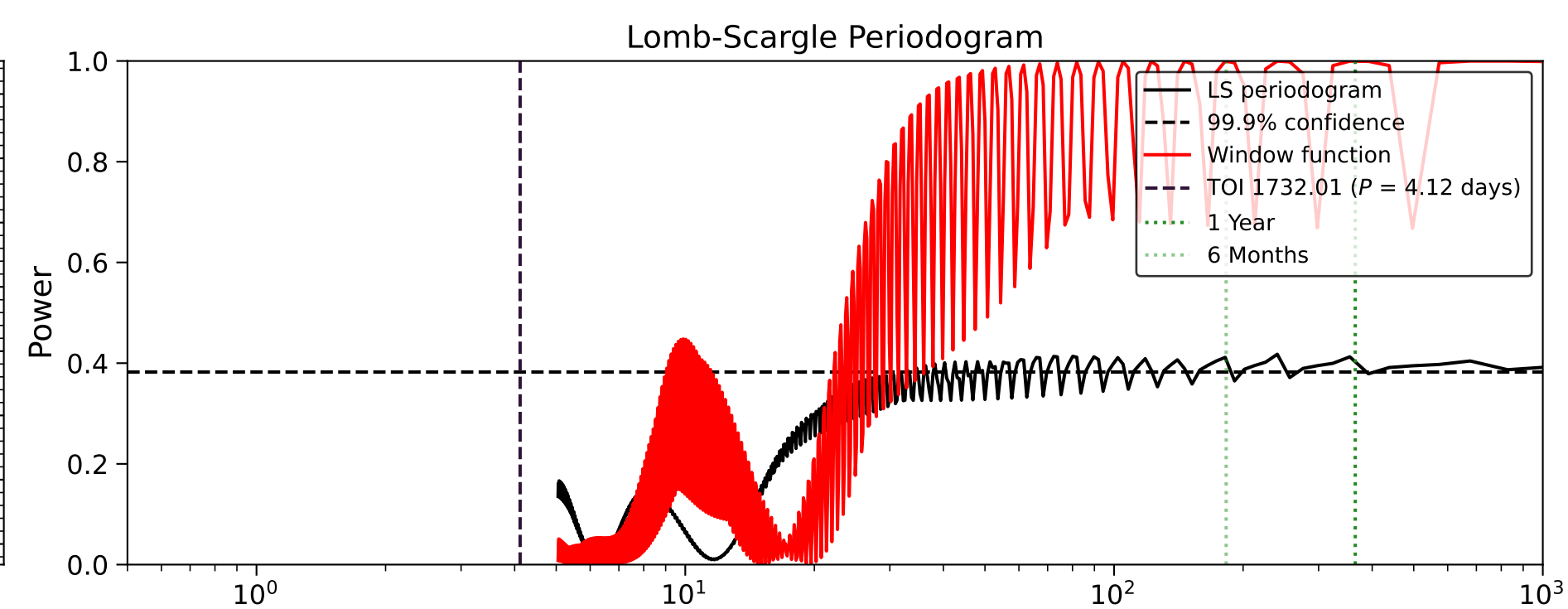
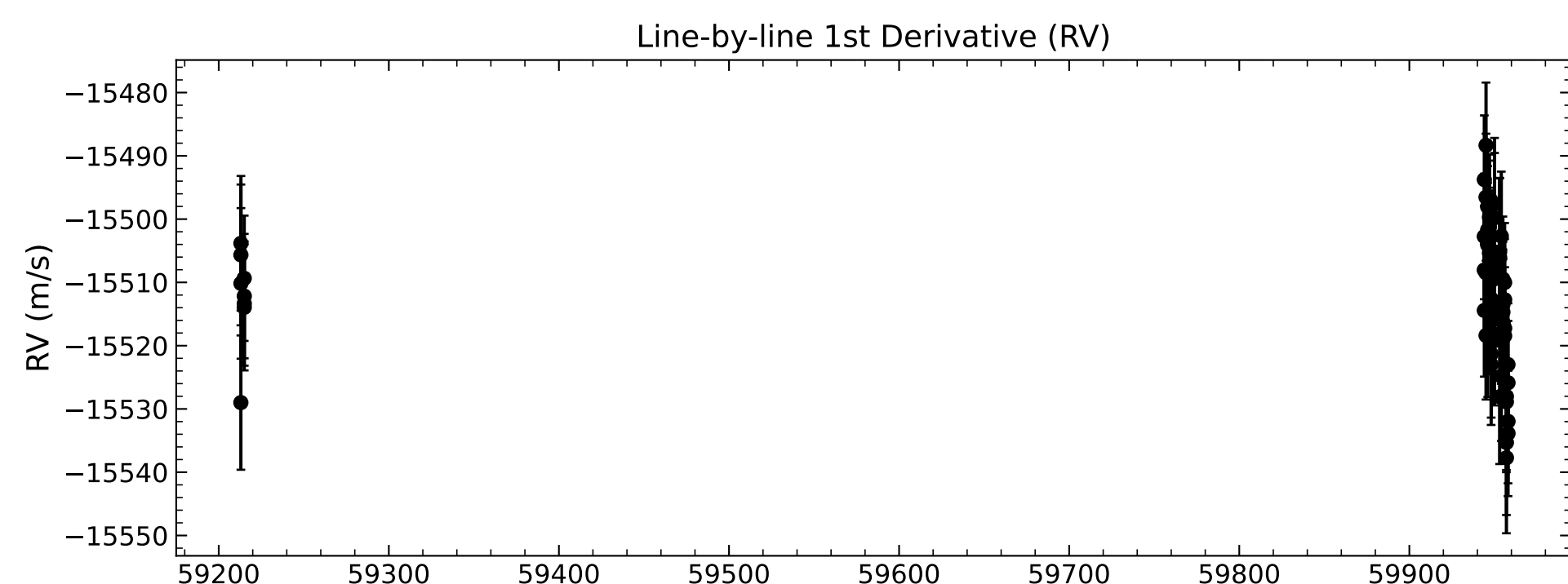


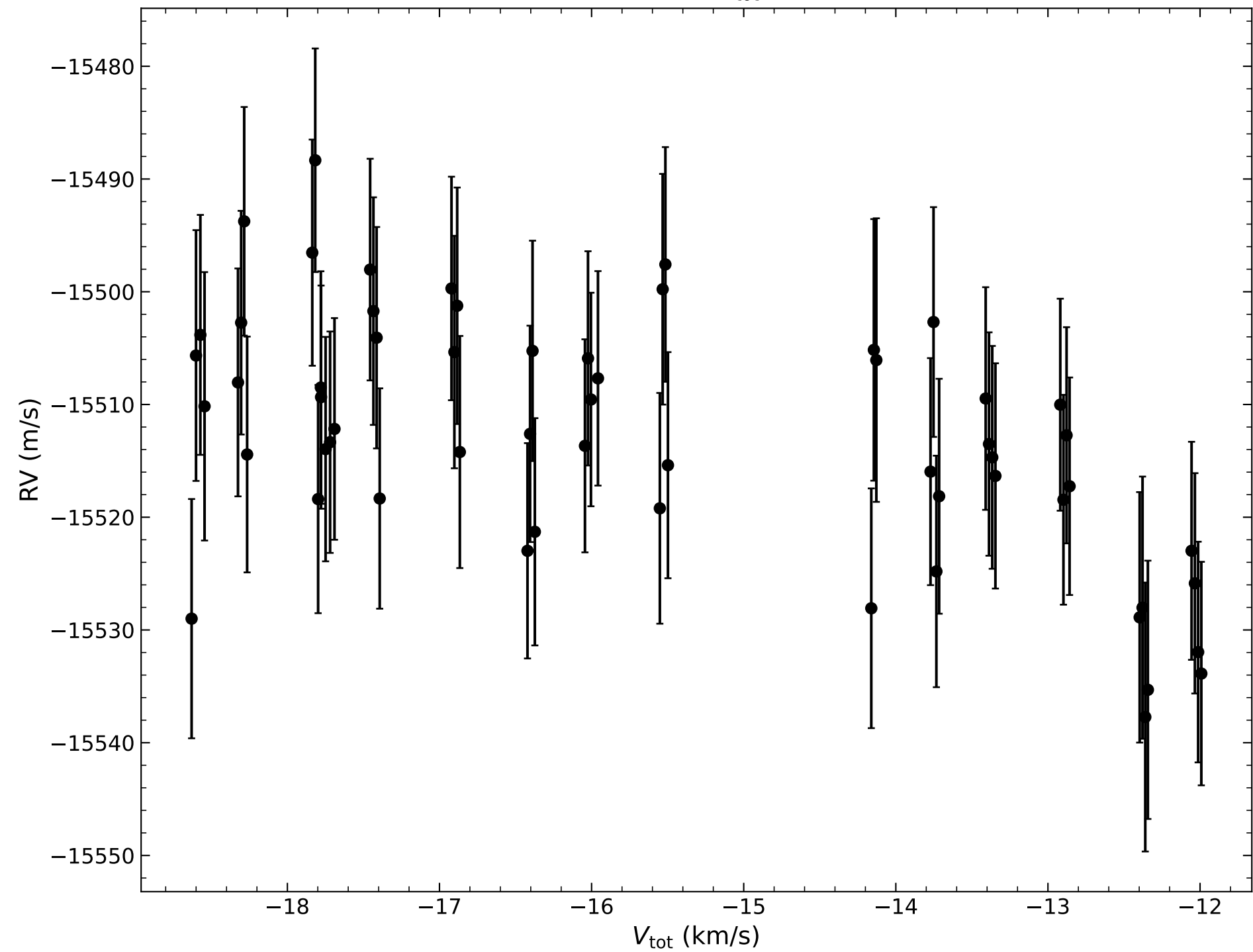
RV Curve



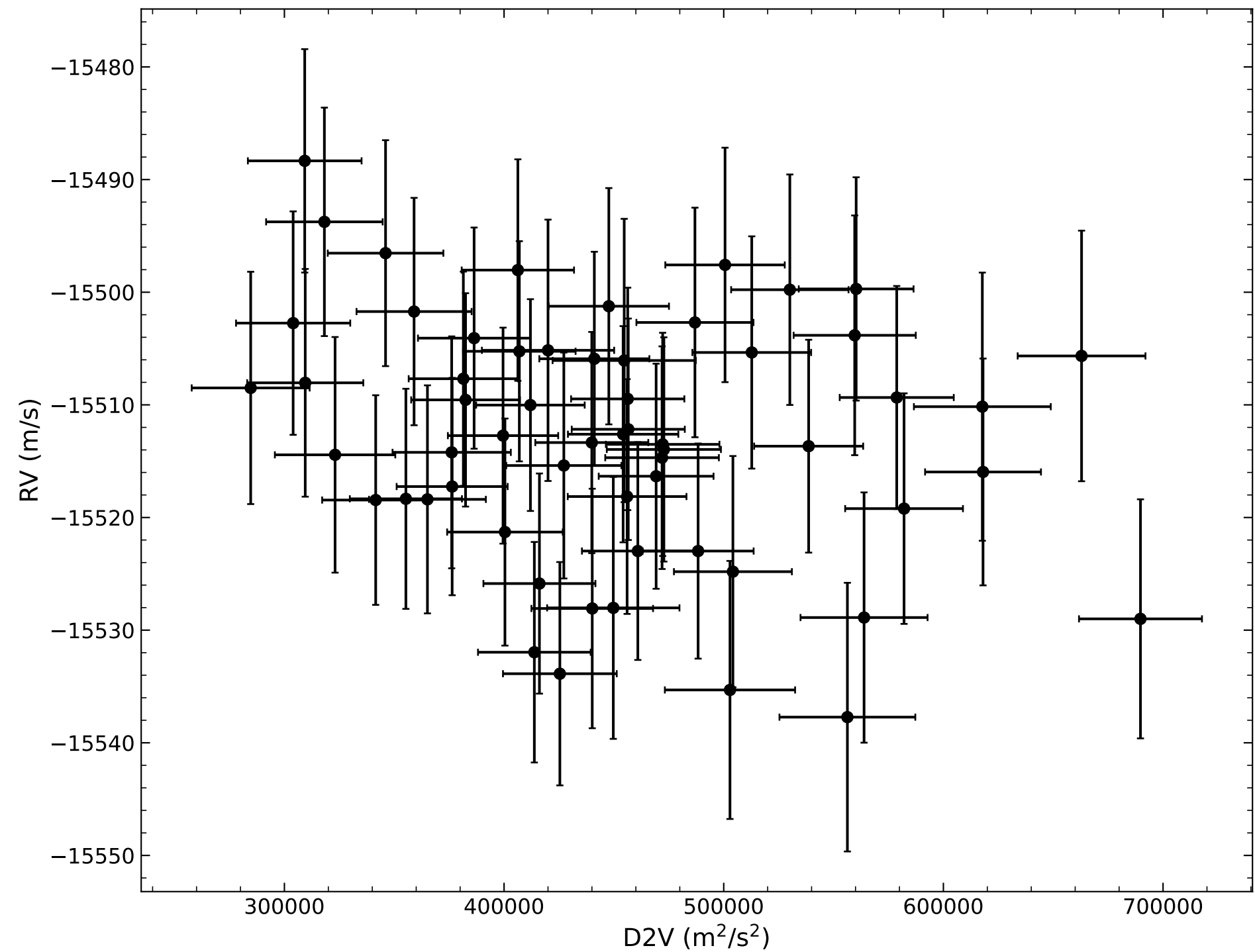
RV Curve (binned per night)





RV vs. V_{tot} 

RV vs. D2V



RV vs. D3V

