

SPIRou Line-by-line Radial Velocity

Object: TOI4438, Template: TOI4438, Zero-point corrected: True

Number of exposures: 44, Number of epochs: 11

Diagnostic Plots

2023-05-31

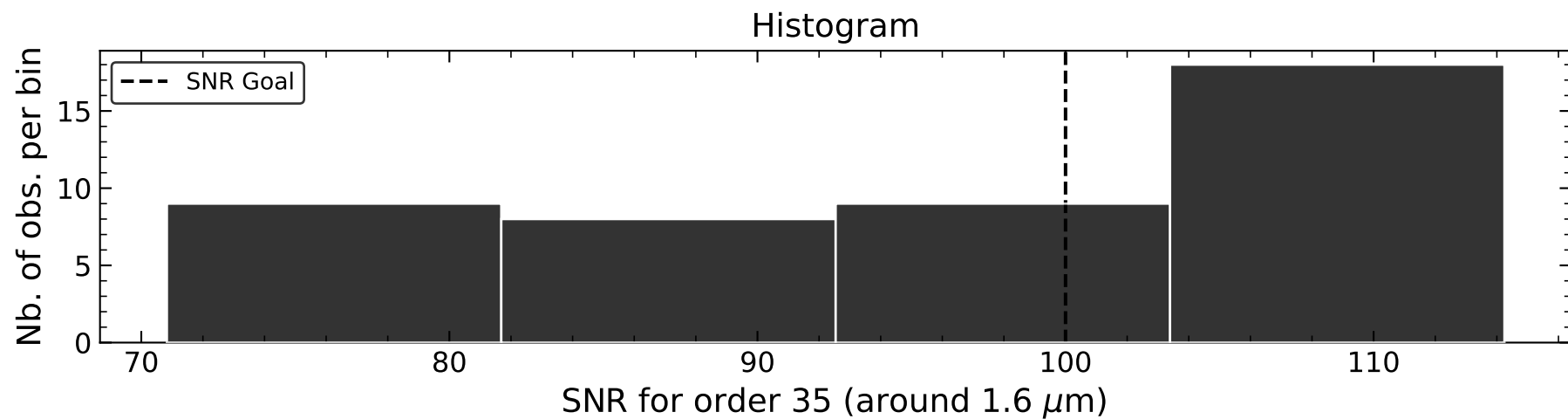
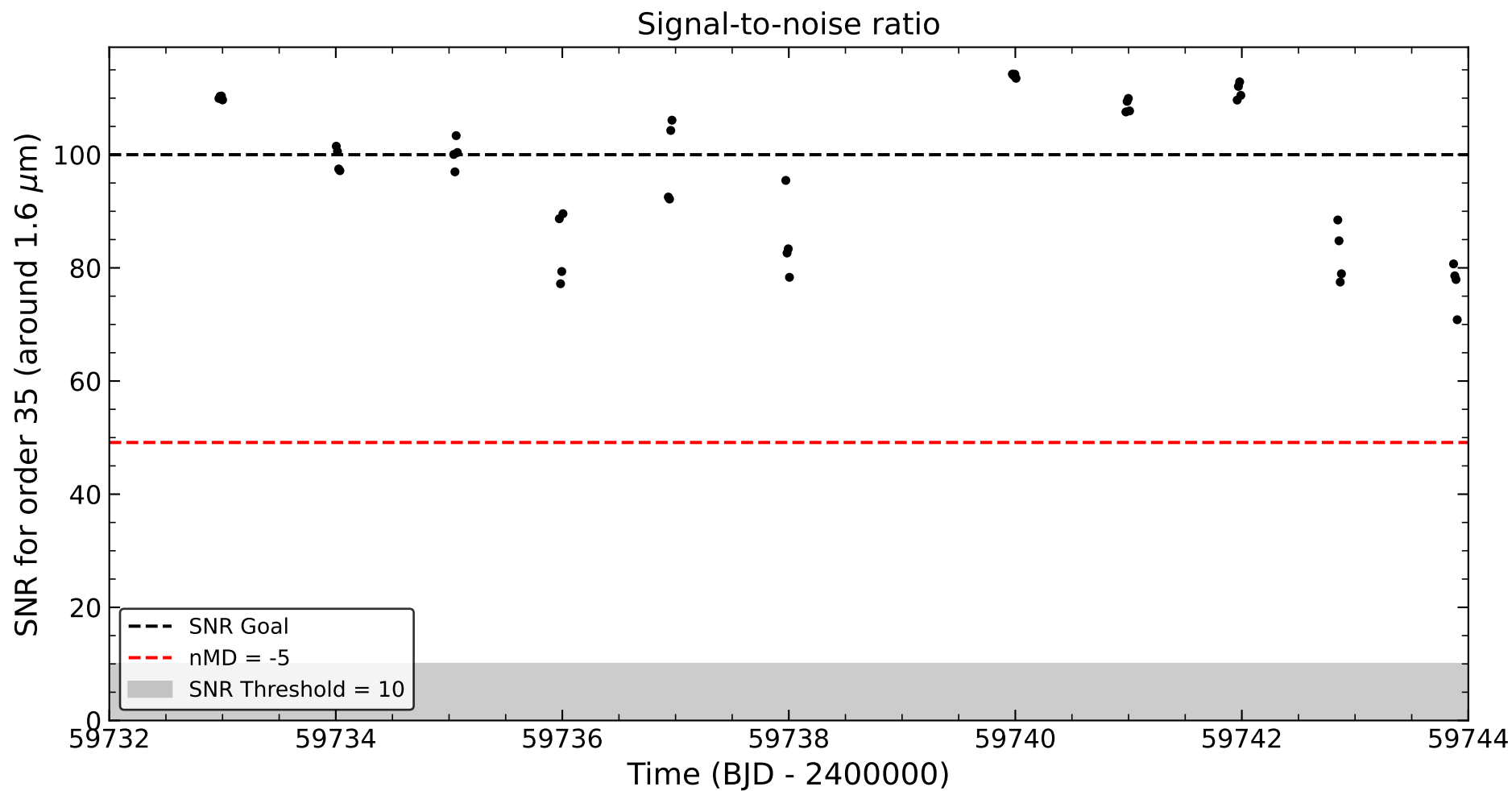
Stellar Parameters

Host name TIC 22233480
RA 18:01:16.14
Dec. 35:35:41.64
Mass (M_{\odot}) 0.36
Radius (R_{\odot}) 0.38
Lum. (L_{\odot}) 0.0161
Teff (K) 3353
Spect. type M3V
Dist. (pc) 30.03
V 13.69
Gaia 12.52
J 9.70
H 9.13
K 8.87

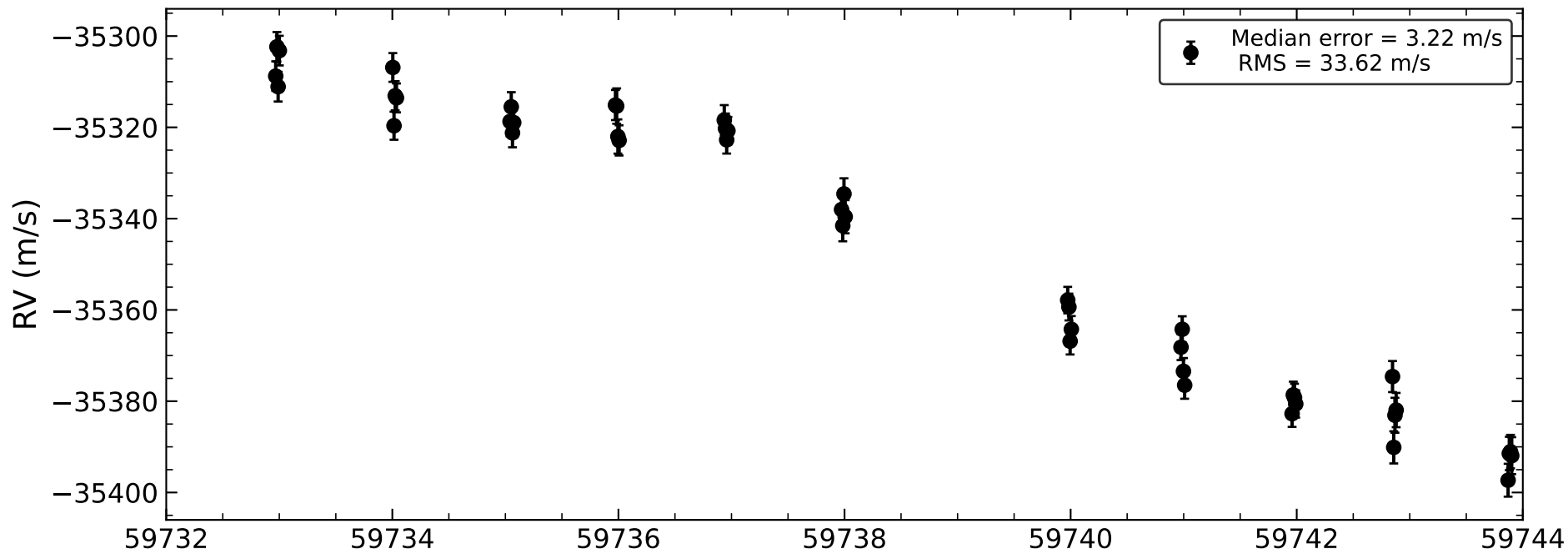
Planet Parameters

Name TOI 4438.01
Mass (M_{\oplus}) 6.38
Radius (R_{\oplus}) 2.40
Density (g/cm^3) 2.5
Period (days) 7.44630
Transit depth (ppt) 4.05
Transit dur. (hr) 2.00
Orb. sep. (au) 0.053
Teq (K) 393
Insolation (S_{\oplus}) 5.63
RV K (m/s) 4.10
Atmo. sig. (ppm) 259
TSM 96.1
ESM 3.4

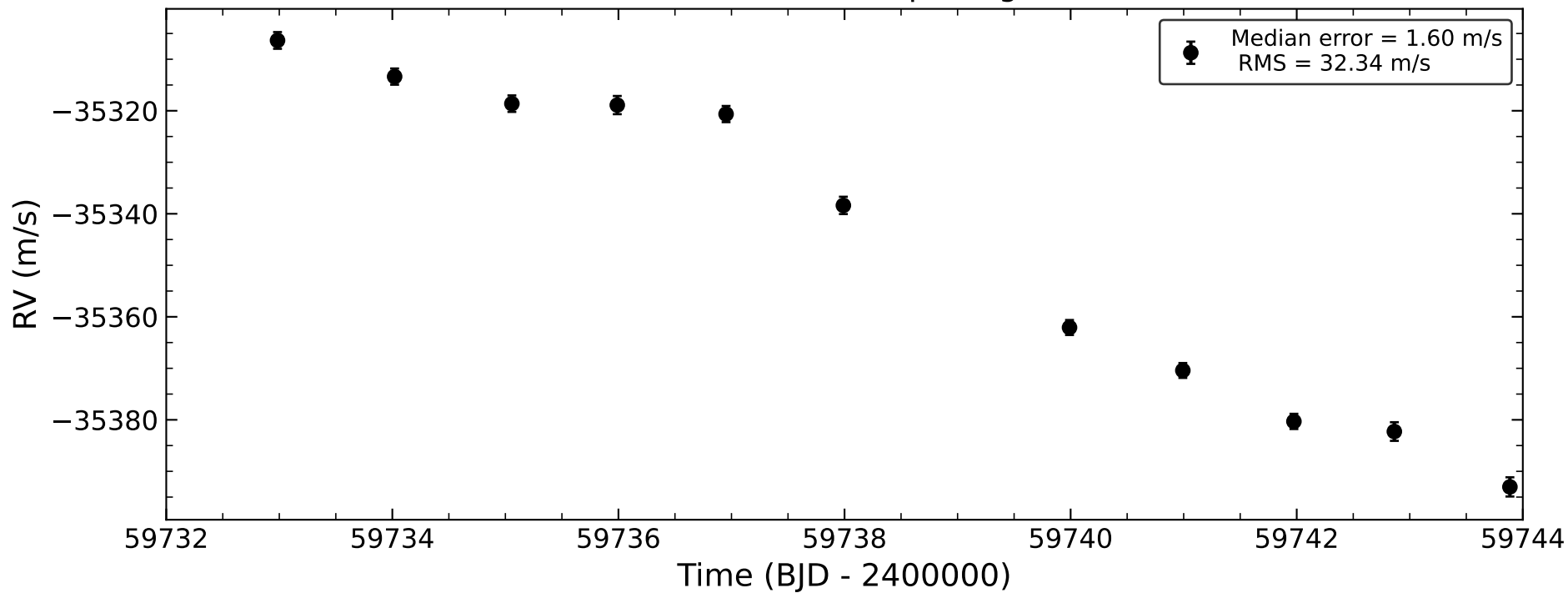
[Link to ExoFOP](#)

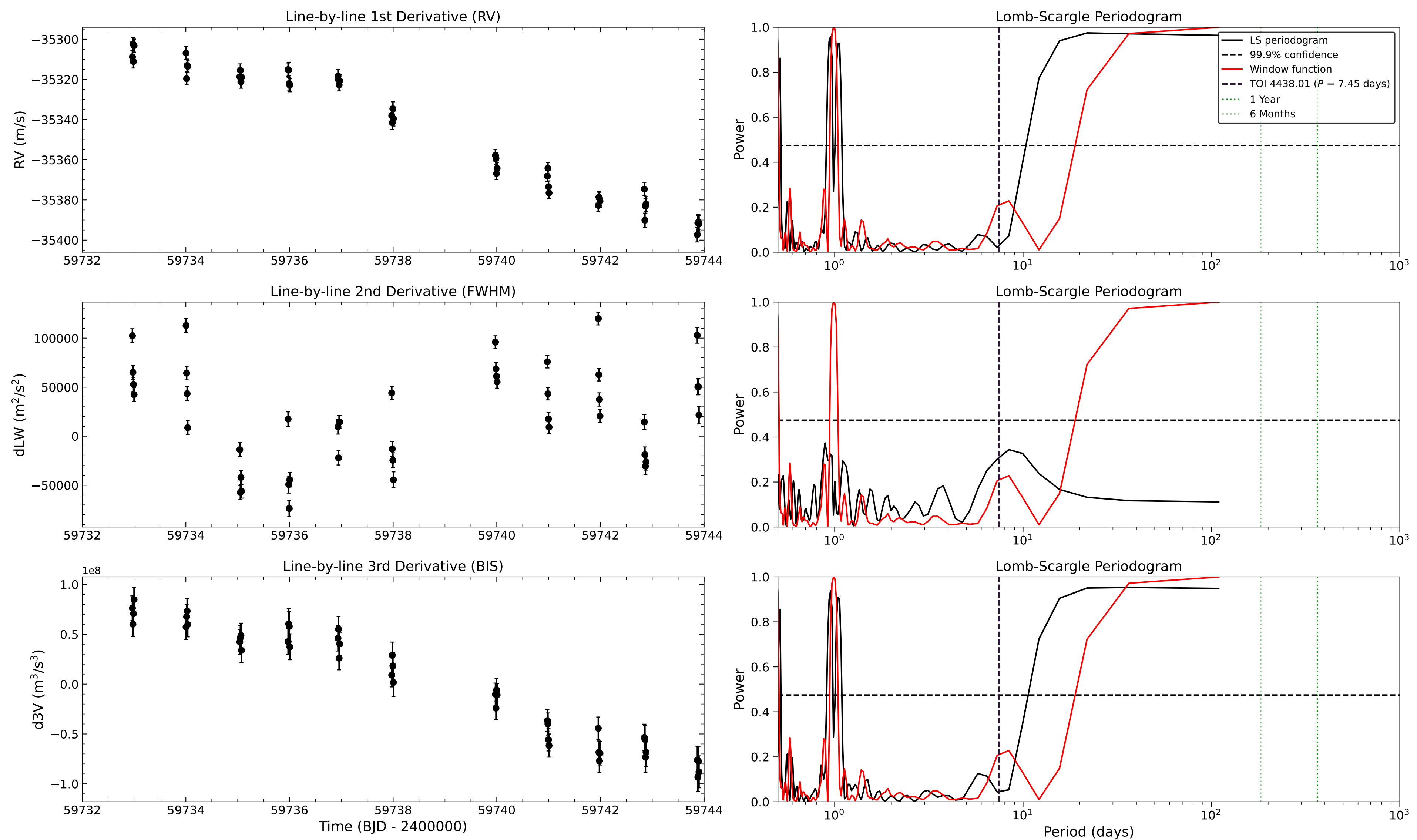


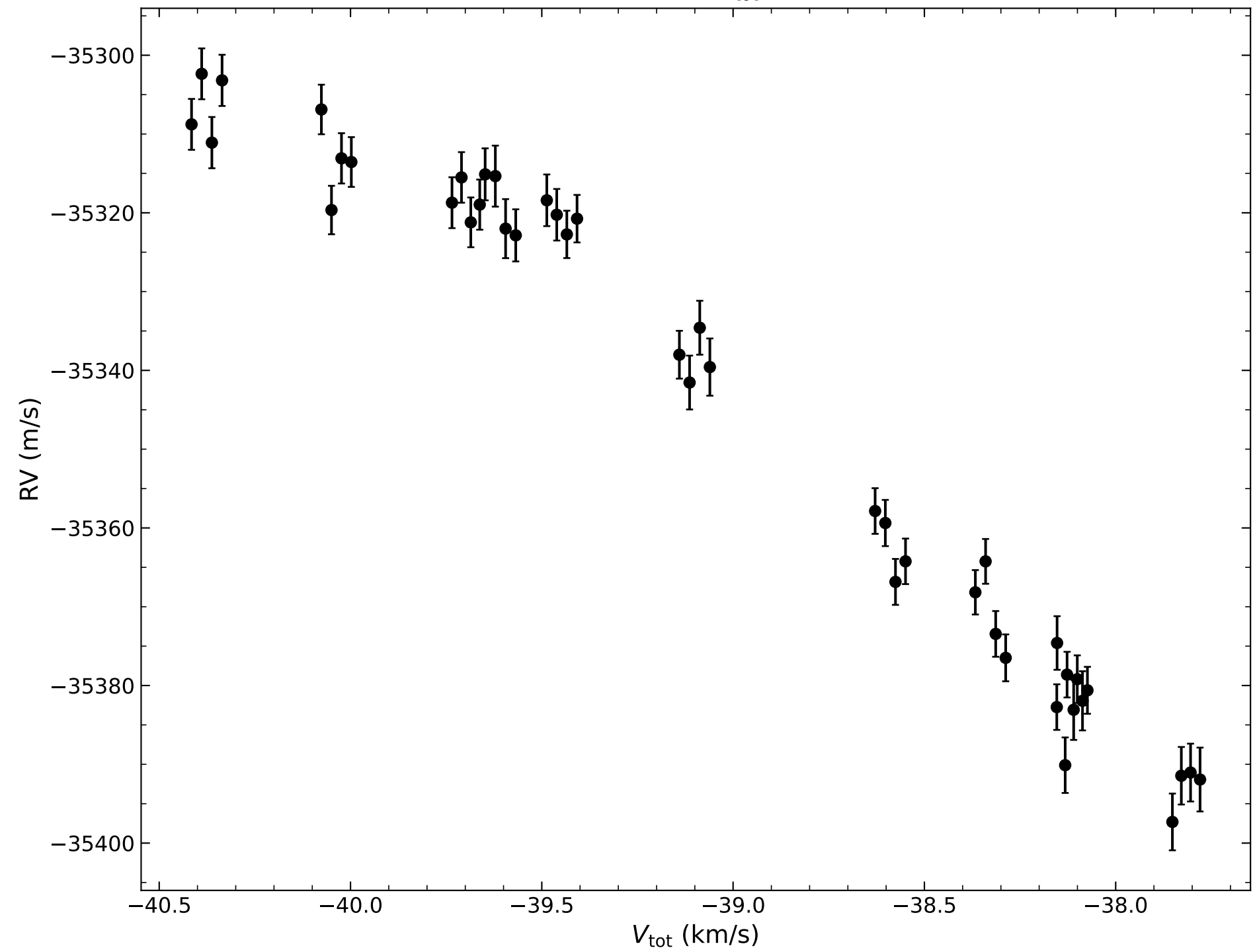
RV Curve



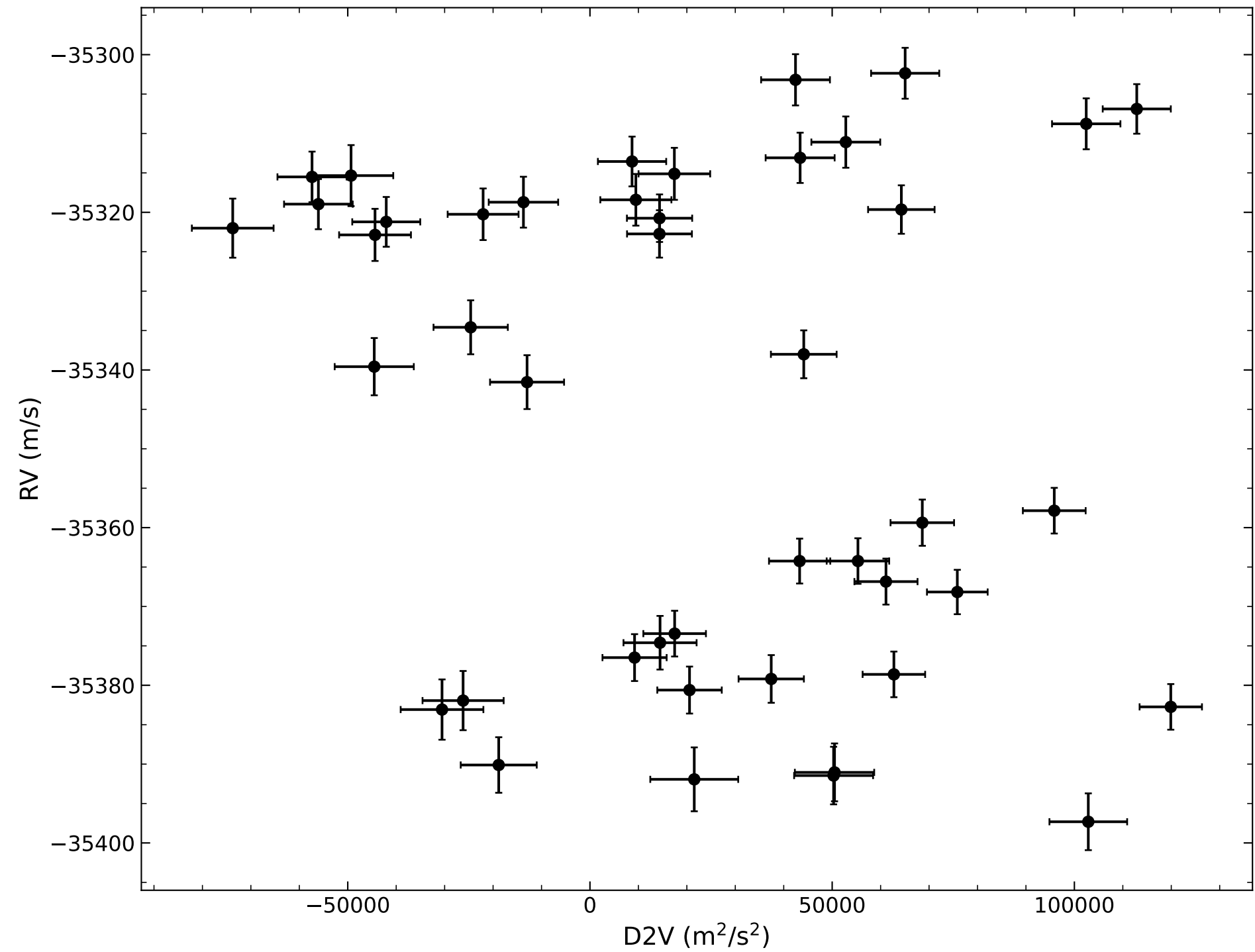
RV Curve (binned per night)





RV vs. V_{tot} 

RV vs. D2V



RV vs. D3V

