File "rv4.dat" has radial velocities with a very noisy period of P~ 8.8 days See Fig 8 and Forveille et al., ARA 493, 645 (2009). This is very noisy, period uncertain. Using assumptions - Ms = Mo >> Mp - circular orbit $r_s = \frac{V_{max} P}{2\pi} = \frac{8 \frac{m}{3} (8.7836^d)}{2\pi}$ We Find = 9.66 × 105 m Kepler says Q = 0.0833 AU = 1.246 x10" m rp = a-rs & a $M_p = M_s \left(\frac{r_s}{a - r_s}\right) = 7.8 \times 10^{-5} M_{\odot}$ = 0.08 MJ big, big Mp = 1.5 M Nephune uncortainties

Bonus! Gliese 1766

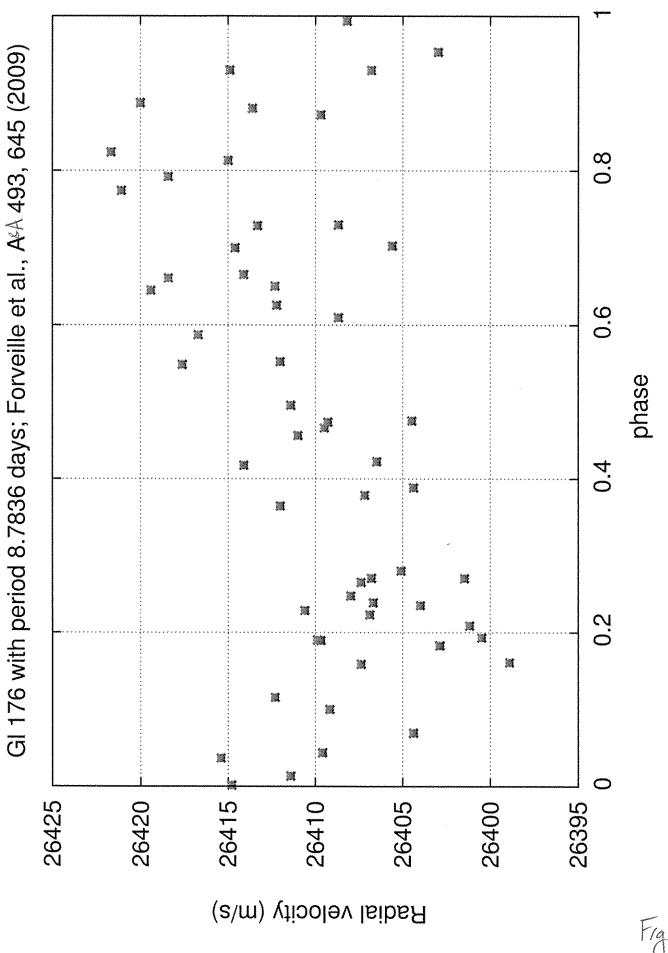


Fig. 8 4/4/2014