

Table 1: Reduced  $\chi^2$ : 0.95

$P$ (days)	$3679.8^{+5.0}_{-4.7}$
$t_{tran}$ (days)	$48835^{+15}_{-15}$
$\sqrt{e}\cos\omega$	$0.744^{+0.013}_{-0.013}$
$\sqrt{e}\sin\omega$	$-0.214^{+0.033}_{-0.033}$
$K_1$ (km/s)	$4.54^{+0.13}_{-0.13}$
$\gamma_0$ (km/s)	$41.392^{+0.093}_{-0.093}$
$\gamma_1$ (km/s)	$41.201^{+0.093}_{-0.093}$
$\gamma_2$ (km/s)	$40.68^{+0.76}_{-0.76}$
$\gamma_3$ (km/s)	$41.12^{+0.66}_{-0.65}$
$\sigma_{j,1}^2$ (km/s) $^2$	$0.104^{+0.087}_{-0.060}$
$\sigma_{j,2}^2$ (km/s) $^2$	$0.205^{+0.078}_{-0.052}$
$\sigma_{j,3}^2$ (km/s) $^2$	$0.50^{+0.34}_{-0.34}$
$\sigma_{j,4}^2$ (km/s) $^2$	$0.50^{+0.34}_{-0.34}$
$e$	$0.775^{+0.013}_{-0.013}$
$\omega$ (deg)	$-16.0^{+2.4}_{-2.4}$

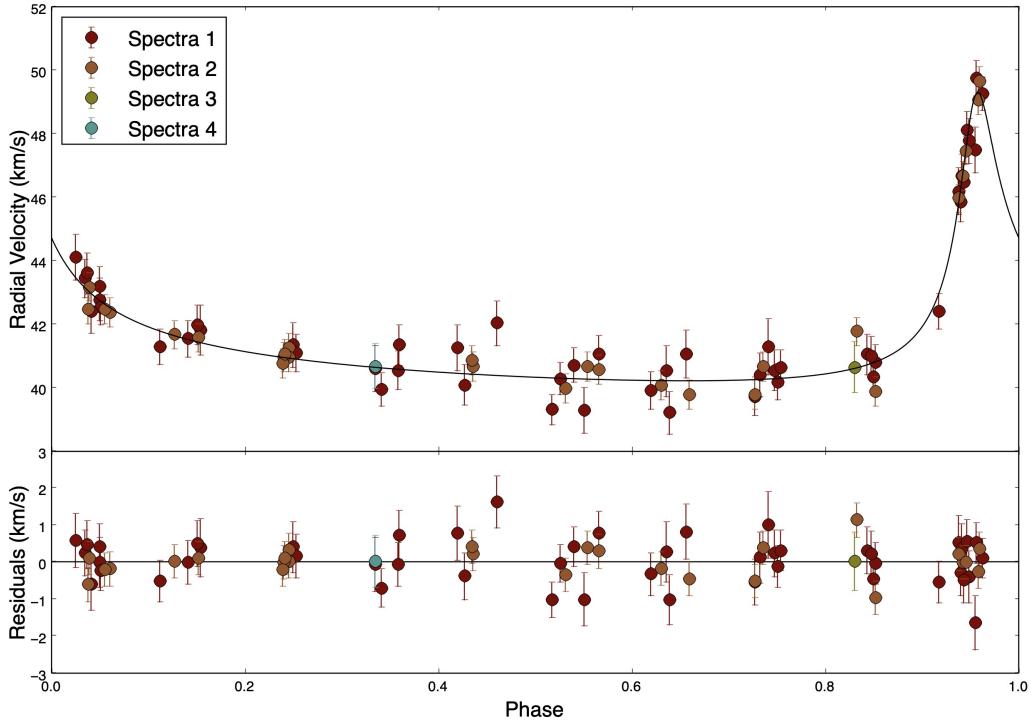


Figure 1: RV fit to median MCMC parameters. RMS residual velocity of  $0.71 \text{ km s}^{-1}$ .

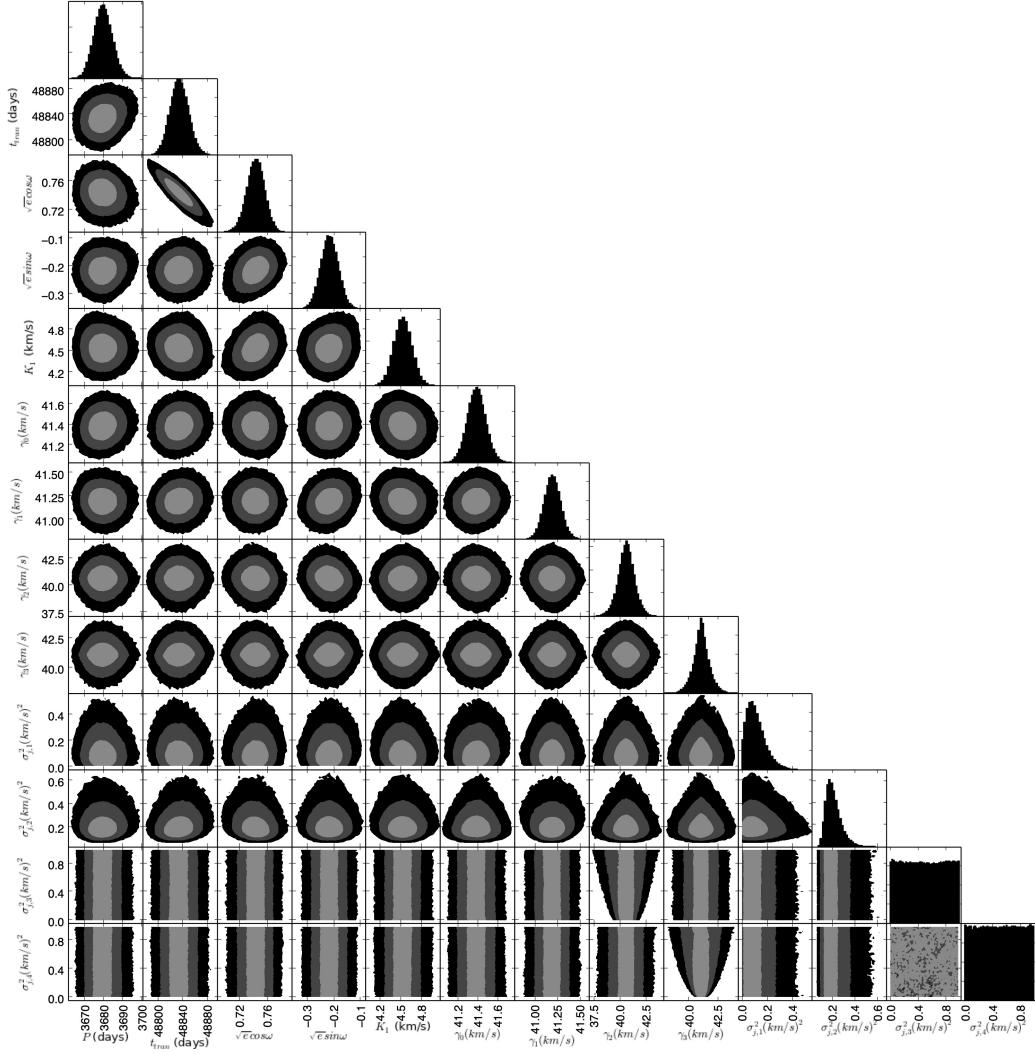


Figure 2: Contour plots showing the  $1\sigma$ ,  $2\sigma$ , and  $3\sigma$  constraints on pairs of parameters for the MCMC model.

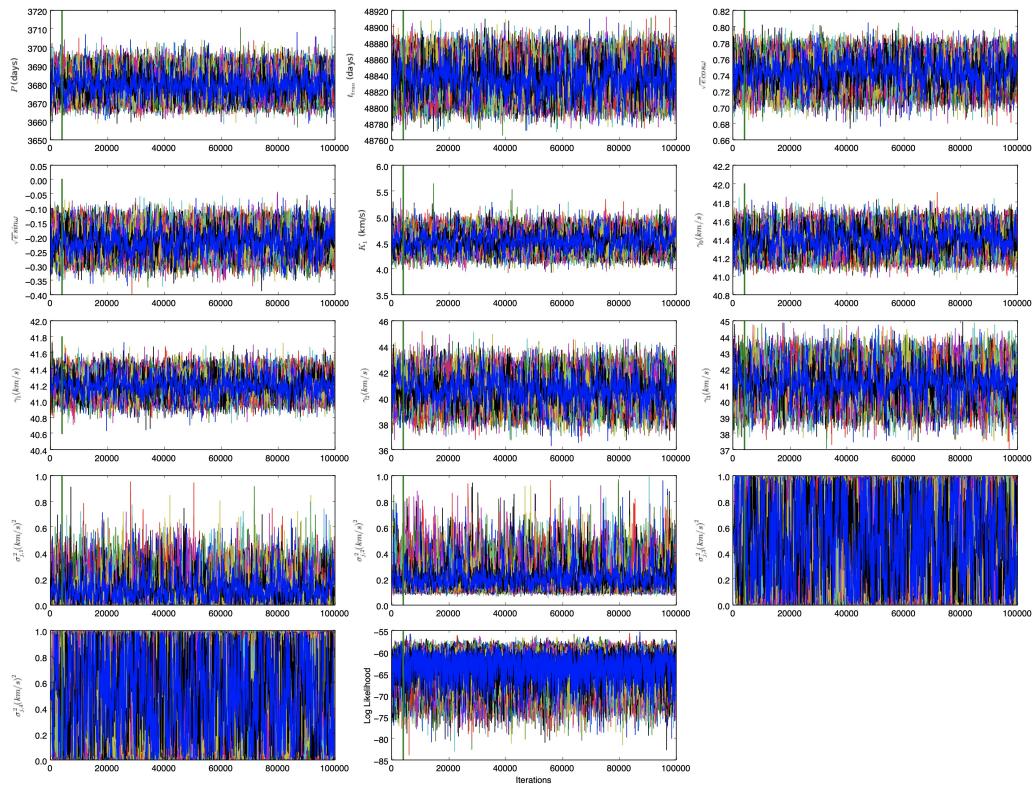


Figure 3: MCMC chains for all 50 walkers. Green line is burnout.