TABLE 1 MODEL COMPARISON

AICc Qualitative Comparison	Free Parameters	$N_{ m free}$	$N_{ m data}$	RMS	$\ln \mathcal{L}$	BIC	AICc	$\Delta { m AICc}$
AICc Favored Model	$K_b, K_c, K_d, K_e, K_f, \dot{\gamma}, \sigma, \gamma$	8	99	3.98	-214.56	591.03	571.86	0.00
Nearly Indistinguishable	$K_b,K_c,K_e,K_f,\dot{\gamma},\sigma,\gamma$	7	99	4.06	-216.49	590.28	573.34	1.48
Somewhat Disfavored	$K_b, K_c, K_d, K_e, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	9	99	3.97	-214.50	595.49	574.16	2.30
	$K_b, K_c, K_e, K_f, K_{addef}, \dot{\gamma}, \sigma, \gamma$	8	99	4.06	-216.44	594.78	575.62	3.76
Ruled Out	$K_b, K_c, K_d, K_f, \dot{\gamma}, \sigma, \gamma$	7	99	4.35	-223.42	604.15	587.22	15.36
	$K_b, K_c, K_d, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	8	99	4.35	-223.42	608.75	589.58	17.72
	$K_b, K_c, K_f, \dot{\gamma}, \sigma, \gamma$	6	99	4.49	-226.54	605.80	591.14	19.28
	$K_c,K_d,K_e,K_f,\gamma,\sigma,\gamma$	7	99	4.47	-226.19	609.68	592.74	20.88
	$K_b, K_c, K_f, K_{add_af}, \dot{\gamma}, \sigma, \gamma$	7	99	4.49	-226.54	610.39	593.46	21.60
	$K_c, K_e, K_f, \dot{\gamma}, \sigma, \dot{\gamma}$	6	99	4.54	-227.82	608.35	593.69	21.83
	$K_c, K_d, K_e, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	8	99	4.46	-226.06	614.02	594.86	23.00
	$K_c, K_e, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	7	99	4.54	-227.69	612.68	595.74	23.88
	$K_c, K_d, K_f, \dot{\gamma}, \sigma, \dot{\gamma}$	6	99	4.77	-232.56	617.84	603.18	31.32
	$K_b, K_c, K_d, K_e, \dot{\gamma}, \sigma, \gamma$	7	99	4.76	-232.34	621.98	605.05	33.19
	$K_c, K_d, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	7	99	4.77	-232.56	622.43	605.50	33.64
	$K_b, K_d, K_e, K_f, \dot{\gamma}, \sigma, \gamma$	7	99	4.79	-232.78	622.87	605.93	34.07
	$K_c, K_f, \dot{\gamma}, \sigma, \gamma$	5	99	4.90	-235.17	618.45	606.12	34.26
	$K_b, K_c, K_d, K_e, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	8	99	4.73	-231.80	625.51	606.35	34.49
	$K_h, K_e, K_f, \dot{\gamma}, \sigma, \gamma$	6	99	4.88	-234.50	621.72	607.06	35.20
	$K_b,K_c,K_e,\dot{\gamma},\sigma,\dot{\gamma}$	6	99	4.89	-235.01	622.74	608.08	36.22
	$K_b, K_d, K_e, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	8	99	4.79	-232.79	627.47	608.31	36.45
	$K_c, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	6	99	4.90	-235.17	623.04	608.38	36.52
	$K_b, K_e, K_f, K_{add_ef}, \gamma, \sigma, \gamma$	7	99	4.88	-234.51	626.32	609.39	37.53
	$K_b, K_c, K_e, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	7	99	4.86	-234.53	626.37	609.43	37.57
	$K_b, K_c, K_d, \dot{\gamma}, \sigma, \dot{\gamma}$	6	99	5.06	-238.48	629.67	615.01	43.15
	$K_d, K_e, K_f, \dot{\gamma}, \sigma, \gamma$	6	99	5.10	-239.20	631.11	616.46	44.60
	$K_b, K_c, K_d, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	7	99	5.06	-238.35	634.00	617.06	45.20
	$K_b, K_d, K_f, \dot{\gamma}, \sigma, \dot{\gamma}$	6	99	5.13	-239.60	631.91	617.25	45.39
	$K_e, K_f, \dot{\gamma}, \sigma, \gamma$	5	99	5.19	-240.74	629.60	617.27	45.41
	$K_d, K_e, K_f, K_{addef}, \dot{\gamma}, \sigma, \gamma$	7	99	5.10	-239.18	635.67	618.74	46.88
	$K_e, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.19	-240.74	634.18	619.52	47.66
	$K_b, K_d, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	7	99	5.13	-239.60	636.50	619.57	47.71
	$K_b, K_c, \dot{\gamma}, \sigma, \gamma$	5	99	5.26	-242.30	632.72	620.39	48.53
	$K_b, K_f, \dot{\gamma}, \sigma, \gamma$	5	99	5.28	-242.39	632.90	620.57	48.71
	$K_b, K_c, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.26	-242.22	637.15	622.49	50.63
	$K_b, K_f, K_{addef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.28	-242.39	637.49	622.84	50.98
	$K_c, K_d, K_e, \dot{\gamma}, \sigma, \gamma$	6	99	5.32	-243.40	639.52	624.86	53.00
	$K_d, K_f, \dot{\gamma}, \sigma, \gamma$	5	99	5.39	-244.66	637.43	625.10	53.24
	$K_c, K_d, K_e, K_{addef}, \dot{\gamma}, \sigma, \gamma$	7	99	5.28	-242.71	642.73	625.80	53.94
	$K_c, K_e, \dot{\gamma}, \sigma, \gamma$	5	99	5.45	-245.76	639.64	627.31	55.45
	$K_d, K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.39	-244.66	642.02	627.37	55.51
	$K_f, \dot{\gamma}, \sigma, \gamma$	4	99	5.54	-247.15	637.82	627.87	56.01
	$K_b^{\prime\prime}, K_d, K_e, \dot{\gamma}, \sigma, \gamma$	6	99	5.41	-244.95	642.61	627.95	56.09
	$K_c, K_e, K_{add-f}, \dot{\gamma}, \sigma, \gamma$	6	99	5.42	-245.13	642.97	628.31	56.45
	$K_b, K_d, K_e, K_{addef}, \dot{\gamma}, \sigma, \gamma$	$\tilde{7}$	99	5.39	-244.74	646.78	629.84	57.98
	$K_f, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	5	99	5.54	-247.15	642.42	630.09	58.23
	$K_b, K_e, \dot{\gamma}, \sigma, \gamma$	5	99	5.54	-247.38	642.88	630.55	58.69
	$K_c, K_d, \dot{\gamma}, \sigma, \gamma$	5	99	5.56	-247.72	643.55	631.22	59.36
	$K_b, K_e, K_{addef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.53	-247.19	647.10	632.44	60.58
	$K_c, K_d, K_{add_ef}, \dot{\gamma}, \sigma, \gamma$	6	99	5.55	-247.46	647.63	632.97	61.11
	c,u,uau _e j, , c,	9	00	0.00	211.10	311.00	302.01	01.11

Parameter	Credible Interval	Maximum Likelihood	Units
Modified I	MCMC Step Par	ameters	
P_b	$\equiv 4.31$	$\equiv 4.31$	days
Tconj _b Tperi _b	$\equiv 2458686.5658$ $\equiv 2458685.4883$	$\equiv 2458686.5658$ $\equiv 2458685.4883$	JD JD
e_b	= 2450005.4005 = 0.0	= 2450005.4005 = 0.0	JD
ω_b	= 0.0 = 0.0	= 0.0 = 0.0	radians
K_b	2.84 ± 0.59	2.86	${ m m~s^{-1}}$
P_c	$\equiv 5.9$	$\equiv 5.9$	days
Tconj _c Tperi _c	$\equiv 2458683.4661$ $\equiv 2458681.9911$	$\equiv 2458683.4661$ $\equiv 2458681.9911$	JD JD
e_c	= 2456061.3911 = 0.0	= 2450001.9911 = 0.0	310
ω_c	$\equiv 0.0$	≡ 0.0	radians
K_c	$3.88^{+0.61}_{-0.62}$	3.85	${ m m~s^{-1}}$
P_d	$\equiv 18.66$	$\equiv 18.66$	days
$T_{\text{conj}_{\mathbf{d}}}$	$\equiv 2458688.9653$	$\equiv 2458688.9653$	JD
T peri $_{ m d}$ e_d	$\equiv 2458684.3003$ $\equiv 0.0$	$\equiv 2458684.3003 \equiv 0.0$	$_{ m JD}$
ω_d	= 0.0	= 0.0 ≡ 0.0	radians
K_d	$1.23^{+0.62}_{-0.59}$	1.19	${ m m~s^{-1}}$
P_e	$\equiv 37.92$	$\equiv 37.92$	days
Tconj _e	$\equiv 2457000.7134$	$\equiv 2457000.7134$	$_{ m JD}$
T peri $_{ m e}$	$\equiv 2456991.2334$	$\equiv 2456991.2334$	$_{ m JD}$
$e_e \ \omega_e$	$\begin{array}{c} \equiv 0.0 \\ \equiv 0.0 \end{array}$	$\begin{array}{c} \equiv 0.0 \\ \equiv 0.0 \end{array}$	radians
K_e	$2.72^{+0.63}_{-0.62}$	2.68	${ m m~s^{-1}}$
P_f	$\equiv 93.8$	= 93.8	days
$T_{\rm conj_f}^{\prime}$	$\equiv 2459462.9$	$\equiv 2459462.9$	m JD
T peri $_{ m f}$	$\equiv 2459439.45$	$\equiv 2459439.45$	$_{ m JD}$
e_f	$\equiv 0.0$ $\equiv 0.0$	$\begin{array}{c} \equiv 0.0 \\ \equiv 0.0 \end{array}$	
$\stackrel{\omega_f}{K_f}$	$= 0.0$ 4.14 ± 0.67	= 0.0 $= 4.18$	$^{\rm radians}$ $^{\rm m}$ $^{\rm s^{-1}}$
P_{add_ef}	= 59.64	± 59.64	days
T conj $_{\rm add_ef}$	$\equiv 2457027.1056$	$\equiv 2457027.1056$	JD
$Tperi_{add_ef}$	$\equiv 2457012.1956$	$\equiv 2457012.1956$	$_{ m JD}$
e_{add_ef}	$\equiv 0.0$	$\equiv 0.0$	
ω_{add_ef}		$\equiv 0.0$	radians
K_{add_ef} Orbital Pa		0.23	m s ⁻¹
		- 4 21	d
P_b T conj _b	$\equiv 4.31$ $\equiv 2458686.5658$	$\equiv 4.31$ $\equiv 2458686.5658$	days JD
$T_{\text{peri}_{\text{b}}}$	$\equiv 2458685.4883$	$\equiv 2458685.4883$	JD
e_b	$\equiv 0.0$	$\equiv 0.0$	
ω_b	$\equiv 0.0$	$\equiv 0.0$	radians
$K_b P_c$	$2.84 \pm 0.59 \\ \equiv 5.9$	$ \begin{array}{c} 2.86 \\ \equiv 5.9 \end{array} $	${\rm m~s^{-1}}$
$T_{\text{conj}_{c}}$	= 5.9 = 2458683.4661	= 5.9 = 2458683.4661	days JD
$T_{\text{peri}_{c}}$	$\equiv 2458681.9911$	$\equiv 2458681.9911$	JD
e_c	$\equiv 0.0$	$\equiv 0.0$	
ω_c	$\equiv 0.0$	$\equiv 0.0$	radians
K_c	$3.88^{+0.61}_{-0.62}$	3.85	${ m m\ s^{-1}}$
P_d	$\equiv 18.66$ $\equiv 2458688.9653$	= 18.66	days
Tconj _d T peri _d	= 2458688.9653 = 2458684.3003	$\equiv 2458688.9653$ $\equiv 2458684.3003$	JD JD
e_d	$\equiv 0.0$	= 2400004.5005	0.0
ω_d^a	= 0.0	$\equiv 0.0$	radians
K_d	$1.23^{+0.62}_{-0.59}$	1.19	${ m m\ s^{-1}}$
P_e	$\equiv 37.92$	$\equiv 37.92$	days
$T_{\text{conj}_{e}}$	$\equiv 2457000.7134$ = 2456001.2334	$\equiv 2457000.7134$ = 2456001 2334	JD JD
T peri $_{ m e}$ e_e	$\equiv 2456991.2334$ $\equiv 0.0$	$\equiv 2456991.2334 \equiv 0.0$	JD
ω_e	$\equiv 0.0$	= 0.0 = 0.0	radians
K_e	$2.72^{+0.63}_{-0.62}$	2.68	${ m m~s^{-1}}$
P_f	$\equiv 93.8$	$\equiv 93.8$	days
$T_{\text{conj}_{f}}$	$\equiv 2459462.9$	$\equiv 2459462.9$	JD
$T_{\mathrm{peri}_{\mathrm{f}}}$	$\equiv 2459439.45$	$\equiv 2459439.45$	JD
e_f ω_f	$\begin{array}{c} \equiv 0.0 \\ \equiv 0.0 \end{array}$	$\begin{array}{c} \equiv 0.0 \\ \equiv 0.0 \end{array}$	radians
$\stackrel{\omega_f}{K_f}$	4.14 ± 0.67	4.18	${ m m~s^{-1}}$
P_{add_ef}	≡ 59.64	$\equiv 59.64$	days
$I \operatorname{conj}_{\operatorname{add}_e f}$	$\equiv 2457027.1056$	$\equiv 2457027.1056$	ĴD
T peri $_{\mathrm{add_ef}}$	$\equiv 2457012.1956$	$\equiv 2457012.1956$	$_{ m JD}$
e_{add_ef}	$\equiv 0.0$ $\equiv 0.0$	$\equiv 0.0$ $\equiv 0.0$	radiona
Report prod	uced by $\mathbf{RadV} = 10.00$	4.7: http://radvel. $\stackrel{\equiv}{\text{readthe}}_{0.23}^{0.0}$	$\frac{\text{radians}}{\text{m s}^{-1}}$
uuu _e f	-0.37	0.20	

TABLE 3 DERIVED POSTERIORS

Parameter	Credible Interval	Maximum Likelihood	Units
$M_b \sin i$	$6.5^{+1.5}_{-1.4}$	5.3	M_{\oplus}
a_b	$0.0493^{+0.0022}_{-0.0024}$	0.0431	AU
$M_c \sin i$	$9.8^{+1.9}_{-1.8}$	7.9	${ m M}_{\oplus}$
a_c	$0.0608^{+0.0027}_{-0.003}$	0.0531	AU
$M_d \sin i$	$4.5_{-2.2}^{+2.4}$	3.8	${ m M}_{\oplus}$
a_d	$0.1309^{+0.0058}_{-0.0064}$	0.1145	AU
$M_e \sin i$	$12.8^{+3.3}_{-3.1}$	9.5	${ m M}_{\oplus}$
a_e	$0.2101^{+0.0093}_{-0.01}$	0.1836	AU
$M_f \sin i$	$26.4^{+5.1}_{-4.8}$	21.2	${ m M}_{\oplus}$
a_f	$0.384^{+0.017}_{-0.019}$	0.336	AU
$M_a dd_e f \sin i$	$3.0_{-2.1}^{+3.0}$	1.2	${ m M}_{\oplus}$
$a_a dd_e f$	$0.284^{+0.0\overline{13}}_{-0.014}$	0.248	AU

$\begin{array}{c} {\rm TABLE} \ 4 \\ {\rm SUMMARY} \ {\rm OF} \ {\rm PRIORS} \end{array}$

K constrained to be > 0

Gaussian prior on P_b : $4.31 \pm 2e - 05$

Gaussian prior on $T\mathrm{conj_b}\colon 2458686.5658 \pm 0.001$

Gaussian prior on P_c : $5.9 \pm 8e - 05$

Gaussian prior on $T\mathrm{conj_c}\colon\thinspace 2458683.4661 \pm 0.003$

Gaussian prior on P_d : $18.66 \pm 5e - 05$

Gaussian prior on Tconj_d: 2458688.9653 ± 0.009

Gaussian prior on P_e : 37.92 ± 0.0001

Gaussian prior on $T\mathrm{conj_e}\colon\thinspace 2457000.7134\pm0.0089$

Gaussian prior on P_f : 93.8 ± 0.0001

Gaussian prior on Tconj $_{\mathrm{f}}$: 2459462.9 \pm 0.0089

Bounded prior: $-20.0 < \sigma_{\rm j} < 20.0$

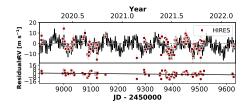
TABLE 5 FINAL CONVERGENCE CRITERION

Criterion	Final Value
minAfactor	74.800
maxArchange	0.019
maxGR	1.002
minTz	14189.977

TABLE 6
RADIAL VELOCITIES

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
			RV Unc.	Inst.
2458917.06227 4.82 1.78 j 2458918.06580 9.02 1.66 j 2458919.05511 0.60 1.53 j 2458995.87585 6.04 1.93 j 2458902.92823 3.45 1.60 j 2459003.89134 0.80 1.56 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459038.89287 3.19 1.63 j 2459038.89287 3.19 1.63 j 2459038.84046 0.42 1.57 j 2459038.84046 0.42 1.57 j 2459072.87996 7.48 1.75 j 2459072.8344 11.61 1.67 j 2459038.84046 0.42 1.57 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j <t< td=""><td>(JD)</td><td>(m s⁻¹)</td><td>(m s⁻¹)</td><td></td></t<>	(JD)	(m s ⁻¹)	(m s ⁻¹)	
2458918.06580 9.02 1.66 j 2458919.05511 0.60 1.53 j 2458999.89268 15.83 1.72 j 2458999.89268 15.83 1.72 j 2459002.92823 3.45 1.60 j 2459006.88414 -3.67 1.60 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459027.83837 -2.96 1.39 j 2459038.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j 2459088.87543 0.78 1.61 j 2459098.87543 0.78 1.61 j 2459097.87403 -3.73 1.84 j	2458917.06227	4.82	1.78	j
2458919.05511 0.60 1.53 j 2458995.87585 6.04 1.93 j 2458999.89268 15.83 1.72 j 2459002.92823 3.45 1.60 j 2459006.88414 -3.67 1.60 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459030.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 245908.87479 -8.95 2.27 j 245909.80766 0.02 1.63 j 2459092.80462 -6.71 1.61 j 2459097.87403 -3.73 1.84 j 2459117.75377 -1.51 1.57 j 2459118.76969 2.02 1.58 j	2458918.06580	9.02	1.66	j
2458995.87585 6.04 1.93 j 2458999.89268 15.83 1.72 j 2459002.92823 3.45 1.60 j 2459003.89134 0.80 1.56 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459027.83837 -2.96 1.39 j 2459030.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459069.00985 5.46 2.56 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459078.8344 11.61 1.67 j 2459089.87543 0.78 1.61 j 2459090.80766 0.02 1.63 j 2459097.87403 -3.73 1.84 j 2459097.87403 -3.73 1.84 j	2458919.05511	0.60	1.53	j
2458999.89268 15.83 1.72 j 2459002.92823 3.45 1.60 j 2459003.89134 0.80 1.56 j 2459006.88414 -3.67 1.60 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459038.89287 3.19 1.63 j 2459030.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j 2459088.87543 0.78 1.61 j 2459091.81037 -10.19 1.67 j 2459092.80462 -6.71 1.61 j 2459094.79032 3.15 1.80 j	2458995.87585	6.04	1.93	j
2459002.92823 3.45 1.60 j 2459003.89134 0.80 1.56 j 2459003.89134 0.80 1.56 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459027.83837 -2.96 1.39 j 2459034.85573 6.25 1.59 j 2459036.79199 4.97 1.46 j 2459069.00985 5.46 2.56 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j 2459088.87543 0.78 1.61 j 2459091.81037 -10.19 1.67 j 2459092.80462 -6.71 1.61 j 245901.87037 -1.73 1.84 j 2459114.75154 -2.73 1.84 j 2459115.78545 0.73 1.56 j 2459118.769	2458999.89268	15.83	1.72	j
2459003.89134 0.80 1.56 j 2459006.88414 -3.67 1.60 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459030.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459069.00985 5.46 2.56 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j 2459088.87543 0.78 1.61 j 2459091.81037 -10.19 1.67 j 2459092.80462 -6.71 1.61 j 2459094.79032 3.15 1.80 j 2459114.75154 -2.73 1.62 j 2459115.78545 0.73 1.56 j	2459002.92823	3.45	1.60	j
2459006.88414 -3.67 1.60 j 2459013.87325 -3.05 1.66 j 2459016.87492 -3.96 1.82 j 2459024.86927 -1.91 1.57 j 2459030.89287 3.19 1.63 j 2459034.85573 6.25 1.59 j 2459038.84046 0.42 1.57 j 2459069.00985 5.46 2.56 j 2459071.93664 5.97 1.77 j 2459072.87996 7.48 1.75 j 2459077.88344 11.61 1.67 j 245908.87479 -8.95 2.27 j 245908.87543 0.78 1.61 j 2459092.80462 -6.71 1.61 j 2459097.87403 -3.73 1.84 j 245911.77339 0.80 1.61 j 2459117.75377 -1.51 1.57 j 2459118.76969 2.02 1.58 j	2459003.89134	0.80	1.56	j
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Note. — Only the first 50 of 99 RVs are displayed in this table. Use radvel table -t rv to save the full LATEX table as a separate file.



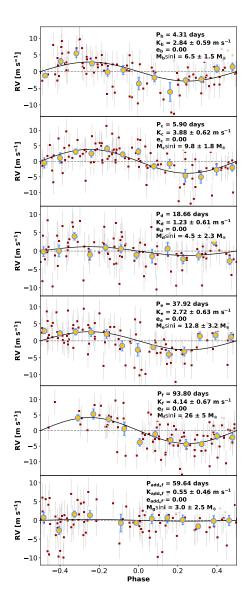


FIG. 1.— Best-fit 6-planet Keplerian orbital model for TOI-1246_add_ef. The maximum likelihood model is plotted while the orbital parameters listed in Table 2 are the median values of the posterior distributions. The thin blue line is the best fit 6-planet model. We add in quadrature the RV jitter term(s) listed in Table 2 with the measurement uncertainties for all RVs. b) Residuals to the best fit 6-planet model. c) RVs phase-folded to the ephemeris of planet b. The Keplerian orbital models for all other planets (if any) have been subtracted. The small point colors and symbols are the same as in panel a. Red circles (if present) are the same velocities binned in 0.08 units of orbital phase. The phase-folded model for planet b is shown as the blue line.

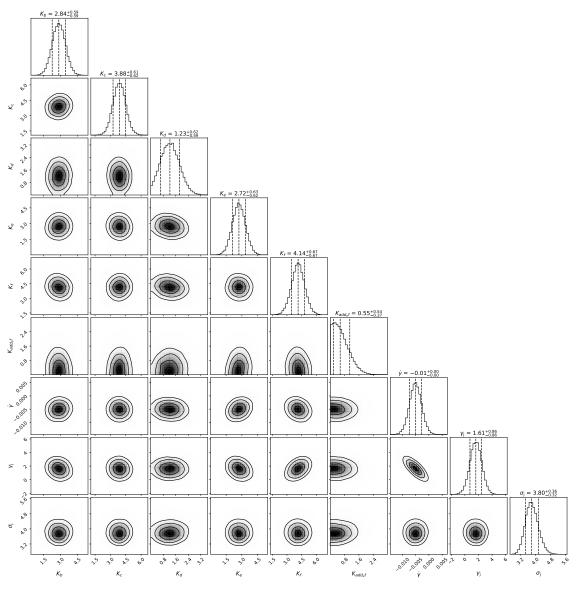


Fig. 2.— Posterior distributions for all free parameters.

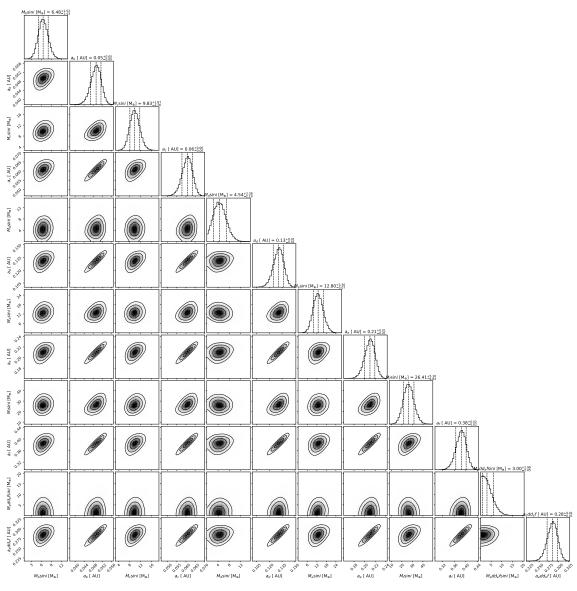


Fig. 3.— Posterior distributions for all derived parameters.