

TABLE 1  
MODEL COMPARISON

| AICc Qualitative Comparison | Free Parameters   | $N_{\text{free}}$ | $N_{\text{data}}$ | RMS  | $\ln \mathcal{L}$ | BIC    | AICc   | $\Delta\text{AICc}$ |
|-----------------------------|---|-------------------|-------------------|------|-------------------|--------|--------|---------------------|
| AICc Favored Model          | $K_b, K_c, K_d, K_e, K_f, \dot{\gamma}, \sigma, \gamma$                     | 8                 | 99                | 3.98 | -214.56           | 591.02 | 571.86 | 0.00                |
| Nearly Indistinguishable    | $K_b, K_c, K_e, K_f, \dot{\gamma}, \sigma, \gamma$                          | 7                 | 99                | 4.06 | -216.48           | 590.28 | 573.34 | 1.48                |
| Somewhat Disfavored         | $K_b, K_c, K_d, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$ | 9                 | 99                | 3.98 | -214.56           | 595.62 | 574.28 | 2.42                |
|                             | $K_b, K_c, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$      | 8                 | 99                | 4.06 | -216.48           | 594.87 | 575.71 | 3.85                |
| 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               |
|                             | $K_b, K_c, K_d, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$      | 8                 | 99                | 4.35 | -223.42           | 608.75 | 589.59 | 17.73               |
|                             | $K_b, K_c, K_f, \dot{\gamma}, \sigma, \gamma$                               | 6                 | 99                | 4.49 | -226.54           | 605.80 | 591.14 | 19.28               |
|                             | $K_c, K_d, K_e, K_f, \dot{\gamma}, \sigma, \gamma$                          | 7                 | 99                | 4.47 | -226.19           | 609.68 | 592.74 | 20.88               |
|                             | $K_b, K_c, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 4.49 | -226.54           | 610.39 | 593.46 | 21.60               |
|                             | $K_c, K_e, K_f, \dot{\gamma}, \sigma, \gamma$                               | 6                 | 99                | 4.54 | -227.81           | 608.33 | 593.68 | 21.82               |
|                             | $K_c, K_d, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$      | 8                 | 99                | 4.47 | -226.19           | 614.27 | 595.11 | 23.25               |
|                             | $K_c, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 4.54 | -227.81           | 612.93 | 595.99 | 24.13               |
|                             | $K_c, K_d, K_f, \dot{\gamma}, \sigma, \gamma$                               | 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               |
|                             | $K_c, K_d, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 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           | 622.86 | 605.92 | 34.06               |
|                             | $K_c, K_f, \dot{\gamma}, \sigma, \gamma$                                    | 5                 | 99                | 4.90 | -235.17           | 618.45 | 606.12 | 34.26               |
|                             | $K_b, K_e, K_f, \dot{\gamma}, \sigma, \gamma$                               | 6                 | 99                | 4.88 | -234.50           | 621.71 | 607.05 | 35.19               |
|                             | $K_b, K_c, K_d, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$      | 8                 | 99                | 4.76 | -232.34           | 626.58 | 607.42 | 35.56               |
|                             | $K_b, K_c, K_e, \dot{\gamma}, \sigma, \gamma$                               | 6                 | 99                | 4.89 | -235.01           | 622.74 | 608.08 | 36.22               |
|                             | $K_b, K_d, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$      | 8                 | 99                | 4.79 | -232.78           | 627.45 | 608.29 | 36.43               |
|                             | $K_c, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 4.90 | -235.17           | 623.04 | 608.38 | 36.52               |
|                             | $K_b, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 4.88 | -234.50           | 626.30 | 609.37 | 37.51               |
|                             | $K_b, K_c, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 4.89 | -235.01           | 627.33 | 610.40 | 38.54               |
|                             | $K_b, K_c, K_d, \dot{\gamma}, \sigma, \gamma$                               | 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           | 631.10 | 616.45 | 44.59               |
|                             | $K_b, K_d, K_f, \dot{\gamma}, \sigma, \gamma$                               | 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               |
|                             | $K_b, K_c, K_d, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 5.06 | -238.48           | 634.26 | 617.33 | 45.47               |
|                             | $K_d, K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 5.10 | -239.22           | 635.75 | 618.81 | 46.95               |
|                             | $K_e, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.19 | -240.74           | 634.20 | 619.54 | 47.68               |
|                             | $K_b, K_d, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 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               |
|                             | $K_b, K_c, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.26 | -242.30           | 637.31 | 622.65 | 50.79               |
|                             | $K_b, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.28 | -242.39           | 637.49 | 622.83 | 50.97               |
|                             | $K_c, K_d, K_e, \dot{\gamma}, \sigma, \gamma$                               | 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               |
|                             | $K_c, K_d, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 5.32 | -243.40           | 644.11 | 627.17 | 55.31               |
|                             | $K_c, K_e, \dot{\gamma}, \sigma, \gamma$                                    | 5                 | 99                | 5.45 | -245.76           | 639.64 | 627.31 | 55.45               |
|                             | $K_d, K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 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               |
|                             | $K_b, K_d, K_e, \dot{\gamma}, \sigma, \gamma$                               | 6                 | 99                | 5.41 | -244.95           | 642.61 | 627.95 | 56.09               |
|                             | $K_c, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.45 | -245.76           | 644.24 | 629.58 | 57.72               |
|                             | $K_f, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                     | 5                 | 99                | 5.54 | -247.15           | 642.42 | 630.09 | 58.23               |
|                             | $K_b, K_d, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$           | 7                 | 99                | 5.41 | -244.95           | 647.21 | 630.27 | 58.41               |
|                             | $K_b, K_e, \dot{\gamma}, \sigma, \gamma$                                    | 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               |
|                             | $K_b, K_e, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.54 | -247.38           | 647.48 | 632.82 | 60.96               |
|                             | $K_c, K_d, K_{\text{add\_de}}, \dot{\gamma}, \sigma, \gamma$                | 6                 | 99                | 5.56 | -247.72           | 648.15 | 633.49 | 61.63               |

TABLE 2  
MCMC POSTERiors

| Parameter                            | Credible Interval             | Maximum Likelihood    | Units             |
|--------------------------------------|-------------------------------|-----------------------|-------------------|
| <b>Modified MCMC Step Parameters</b> |                               |                       |                   |
| $P_b$                                | $\equiv 4.31$                 | $\equiv 4.31$         | days              |
| $T_{\text{conj}_b}$                  | $\equiv 2458686.5658$         | $\equiv 2458686.5658$ | JD                |
| $T_{\text{peri}_b}$                  | $\equiv 2458685.4883$         | $\equiv 2458685.4883$ | JD                |
| $e_b$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_b$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_b$                                | $2.9 \pm 0.6$                 | 2.9                   | $\text{m s}^{-1}$ |
| $P_c$                                | $\equiv 5.9$                  | $\equiv 5.9$          | days              |
| $T_{\text{conj}_c}$                  | $\equiv 2458683.4661$         | $\equiv 2458683.4661$ | JD                |
| $T_{\text{peri}_c}$                  | $\equiv 2458681.9911$         | $\equiv 2458681.9911$ | JD                |
| $e_c$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_c$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_c$                                | $3.82 \pm 0.62$               | 3.84                  | $\text{m s}^{-1}$ |
| $P_d$                                | $\equiv 18.66$                | $\equiv 18.66$        | days              |
| $T_{\text{conj}_d}$                  | $\equiv 2458688.9653$         | $\equiv 2458688.9653$ | JD                |
| $T_{\text{peri}_d}$                  | $\equiv 2458684.3003$         | $\equiv 2458684.3003$ | JD                |
| $e_d$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_d$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_d$                                | $1.22^{+0.63}_{-0.59}$        | 1.18                  | $\text{m s}^{-1}$ |
| $P_e$                                | $\equiv 37.92$                | $\equiv 37.92$        | days              |
| $T_{\text{conj}_e}$                  | $\equiv 2457000.7134$         | $\equiv 2457000.7134$ | JD                |
| $T_{\text{peri}_e}$                  | $\equiv 2456991.2334$         | $\equiv 2456991.2334$ | JD                |
| $e_e$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_e$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_e$                                | $2.64 \pm 0.64$               | 2.64                  | $\text{m s}^{-1}$ |
| $P_f$                                | $\equiv 93.8$                 | $\equiv 93.8$         | days              |
| $T_{\text{conj}_f}$                  | $\equiv 2459462.9$            | $\equiv 2459462.9$    | JD                |
| $T_{\text{peri}_f}$                  | $\equiv 2459439.45$           | $\equiv 2459439.45$   | JD                |
| $e_f$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_f$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_f$                                | $4.23^{+0.68}_{-0.7}$         | 4.24                  | $\text{m s}^{-1}$ |
| $P_{\text{add}_d e}$                 | $\equiv 26.601$               | $\equiv 26.601$       | days              |
| $T_{\text{conj}_{\text{add}_d e}}$   | $\equiv 2459444.7188$         | $\equiv 2459444.7188$ | JD                |
| $T_{\text{peri}_{\text{add}_d e}}$   | $\equiv 2459438.0686$         | $\equiv 2459438.0686$ | JD                |
| $e_{\text{add}_d e}$                 | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_{\text{add}_d e}$            | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_{\text{add}_d e}$                 | $5.9e-05^{+0.065}_{-5.9e-05}$ | $1e-11$               | $\text{m s}^{-1}$ |
| <b>Orbital Parameters</b>            |                               |                       |                   |
| $P_b$                                | $\equiv 4.31$                 | $\equiv 4.31$         | days              |
| $T_{\text{conj}_b}$                  | $\equiv 2458686.5658$         | $\equiv 2458686.5658$ | JD                |
| $T_{\text{peri}_b}$                  | $\equiv 2458685.4883$         | $\equiv 2458685.4883$ | JD                |
| $e_b$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_b$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_b$                                | $2.9 \pm 0.6$                 | 2.9                   | $\text{m s}^{-1}$ |
| $P_c$                                | $\equiv 5.9$                  | $\equiv 5.9$          | days              |
| $T_{\text{conj}_c}$                  | $\equiv 2458683.4661$         | $\equiv 2458683.4661$ | JD                |
| $T_{\text{peri}_c}$                  | $\equiv 2458681.9911$         | $\equiv 2458681.9911$ | JD                |
| $e_c$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_c$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_c$                                | $3.82 \pm 0.62$               | 3.84                  | $\text{m s}^{-1}$ |
| $P_d$                                | $\equiv 18.66$                | $\equiv 18.66$        | days              |
| $T_{\text{conj}_d}$                  | $\equiv 2458688.9653$         | $\equiv 2458688.9653$ | JD                |
| $T_{\text{peri}_d}$                  | $\equiv 2458684.3003$         | $\equiv 2458684.3003$ | JD                |
| $e_d$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_d$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_d$                                | $1.22^{+0.63}_{-0.59}$        | 1.18                  | $\text{m s}^{-1}$ |
| $P_e$                                | $\equiv 37.92$                | $\equiv 37.92$        | days              |
| $T_{\text{conj}_e}$                  | $\equiv 2457000.7134$         | $\equiv 2457000.7134$ | JD                |
| $T_{\text{peri}_e}$                  | $\equiv 2456991.2334$         | $\equiv 2456991.2334$ | JD                |
| $e_e$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_e$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_e$                                | $2.64 \pm 0.64$               | 2.64                  | $\text{m s}^{-1}$ |
| $P_f$                                | $\equiv 93.8$                 | $\equiv 93.8$         | days              |
| $T_{\text{conj}_f}$                  | $\equiv 2459462.9$            | $\equiv 2459462.9$    | JD                |
| $T_{\text{peri}_f}$                  | $\equiv 2459439.45$           | $\equiv 2459439.45$   | JD                |
| $e_f$                                | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_f$                           | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_f$                                | $4.23^{+0.68}_{-0.7}$         | 4.24                  | $\text{m s}^{-1}$ |
| $P_{\text{add}_d e}$                 | $\equiv 26.601$               | $\equiv 26.601$       | days              |
| $T_{\text{conj}_{\text{add}_d e}}$   | $\equiv 2459444.7188$         | $\equiv 2459444.7188$ | JD                |
| $T_{\text{peri}_{\text{add}_d e}}$   | $\equiv 2459438.0686$         | $\equiv 2459438.0686$ | JD                |
| $e_{\text{add}_d e}$                 | $\equiv 0.0$                  | $\equiv 0.0$          |                   |
| $\omega_{\text{add}_d e}$            | $\equiv 0.0$                  | $\equiv 0.0$          | radians           |
| $K_{\text{add}_d e}$                 | $5.9e-05^{+0.065}_{-5.9e-05}$ | $1e-11$               | $\text{m s}^{-1}$ |
| <b>Other Parameters</b>              |                               |                       |                   |

Report produced by RadVel v1.4.7: <http://radvel.readthedocs.io>

TABLE 3  
DERIVED POSTERiors

| Parameter          | Credible Interval            | Maximum Likelihood | Units      |
|--------------------|------------------------------|--------------------|------------|
| $a_b$              | $0.0493^{+0.0022}_{-0.0024}$ | 0.048              | AU         |
| $M_b \sin i$       | $6.5^{+1.6}_{-1.5}$          | 6.3                | $M_\oplus$ |
| $a_c$              | $0.0608^{+0.0027}_{-0.003}$  | 0.0592             | AU         |
| $M_c \sin i$       | $9.7^{+1.9}_{-1.8}$          | 9.4                | $M_\oplus$ |
| $a_d$              | $0.1309^{+0.0058}_{-0.0064}$ | 0.1276             | AU         |
| $M_d \sin i$       | $4.5^{+2.4}_{-2.2}$          | 4.1                | $M_\oplus$ |
| $a_e$              | $0.2101^{+0.0093}_{-0.01}$   | 0.2048             | AU         |
| $M_e \sin i$       | $12.4^{+3.3}_{-3.2}$         | 11.6               | $M_\oplus$ |
| $a_f$              | $0.384^{+0.017}_{-0.019}$    | 0.375              | AU         |
| $M_f \sin i$       | $26.9^{+5.3}_{-5.0}$         | 27.3               | $M_\oplus$ |
| $a_{add_e}$        | $0.1659^{+0.0073}_{-0.0081}$ | 0.1617             | AU         |
| $M_{add_e} \sin i$ | $0.00025^{+0.27}_{-0.00025}$ | $3e-05$            | $M_\oplus$ |

TABLE 4  
SUMMARY OF PRIORS

|  |
|--|
| $K$ constrained to be $> 0$                                    |
| Gaussian prior on $P_b$ : $4.31 \pm 2e-05$                     |
| Gaussian prior on $T\text{conj}_b$ : $2458686.5658 \pm 0.001$  |
| Gaussian prior on $P_c$ : $5.9 \pm 8e-05$                      |
| Gaussian prior on $T\text{conj}_c$ : $2458683.4661 \pm 0.003$  |
| Gaussian prior on $P_d$ : $18.66 \pm 5e-05$                    |
| Gaussian prior on $T\text{conj}_d$ : $2458688.9653 \pm 0.009$  |
| Gaussian prior on $P_e$ : $37.92 \pm 0.0001$                   |
| Gaussian prior on $T\text{conj}_e$ : $2457000.7134 \pm 0.0089$ |
| Gaussian prior on $P_f$ : $93.8 \pm 0.0001$                    |
| Gaussian prior on $T\text{conj}_f$ : $2459462.9 \pm 0.0089$    |
| Bounded prior: $-20.0 < \sigma_j < 20.0$                       |

TABLE 5  
FINAL CONVERGENCE  
CRITERION

| Criterion   | Final Value |
|-------------|-------------|
| minAfactor  | 101.486     |
| maxArchange | 0.016       |
| maxGR       | 1.008       |
| minTz       | 3401.778    |

TABLE 6  
RADIAL VELOCITIES

| Time<br>(JD)  | RV<br>(m s <sup>-1</sup> ) | RV Unc.<br>(m s <sup>-1</sup> ) | 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     |
| 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     |
| 2459027.83837 | -2.96                      | 1.39                            | j     |
| 2459030.89287 | 3.19                       | 1.63                            | j     |
| 2459034.85573 | 6.25                       | 1.59                            | j     |
| 2459036.79199 | 4.97                       | 1.46                            | 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     |
| 2459086.87479 | -8.95                      | 2.27                            | j     |
| 2459089.87543 | 0.78                       | 1.61                            | j     |
| 2459090.80766 | 0.02                       | 1.63                            | j     |
| 2459091.81037 | -10.19                     | 1.67                            | j     |
| 2459092.80462 | -6.71                      | 1.61                            | j     |
| 2459094.79032 | 3.15                       | 1.80                            | j     |
| 2459097.87403 | -3.73                      | 1.84                            | j     |
| 2459101.77339 | 0.80                       | 1.61                            | j     |
| 2459114.75154 | -2.73                      | 1.62                            | j     |
| 2459115.78545 | 0.73                       | 1.56                            | j     |
| 2459117.75377 | -1.51                      | 1.57                            | j     |
| 2459118.76969 | 2.02                       | 1.58                            | j     |
| 2459119.76203 | -2.99                      | 1.97                            | j     |
| 2459120.73793 | -0.06                      | 1.71                            | j     |
| 2459121.72997 | -13.88                     | 1.76                            | j     |
| 2459122.74503 | -7.78                      | 1.58                            | j     |
| 2459123.73465 | 0.21                       | 1.57                            | j     |
| 2459153.71066 | 8.07                       | 1.68                            | j     |
| 2459269.13557 | -12.30                     | 1.73                            | j     |
| 2459296.10098 | 6.81                       | 1.57                            | j     |
| 2459297.04778 | 3.19                       | 1.65                            | j     |
| 2459300.00609 | -4.14                      | 1.97                            | j     |
| 2459314.07830 | -1.22                      | 1.43                            | j     |
| 2459353.86001 | 6.32                       | 1.69                            | j     |
| 2459354.94389 | 6.58                       | 1.67                            | j     |
| 2459358.91097 | -9.48                      | 1.70                            | j     |
| 2459361.94571 | 8.19                       | 1.46                            | j     |
| 2459373.81907 | 6.75                       | 1.70                            | j     |
| 2459377.07153 | -5.15                      | 1.57                            | j     |
| 2459377.83080 | 5.32                       | 1.64                            | j     |

NOTE. — Only the first 50 of 99 RVs are displayed in this table. Use `radvel table -t rv` to save the full L<sup>A</sup>T<sub>E</sub>X table as a separate file.

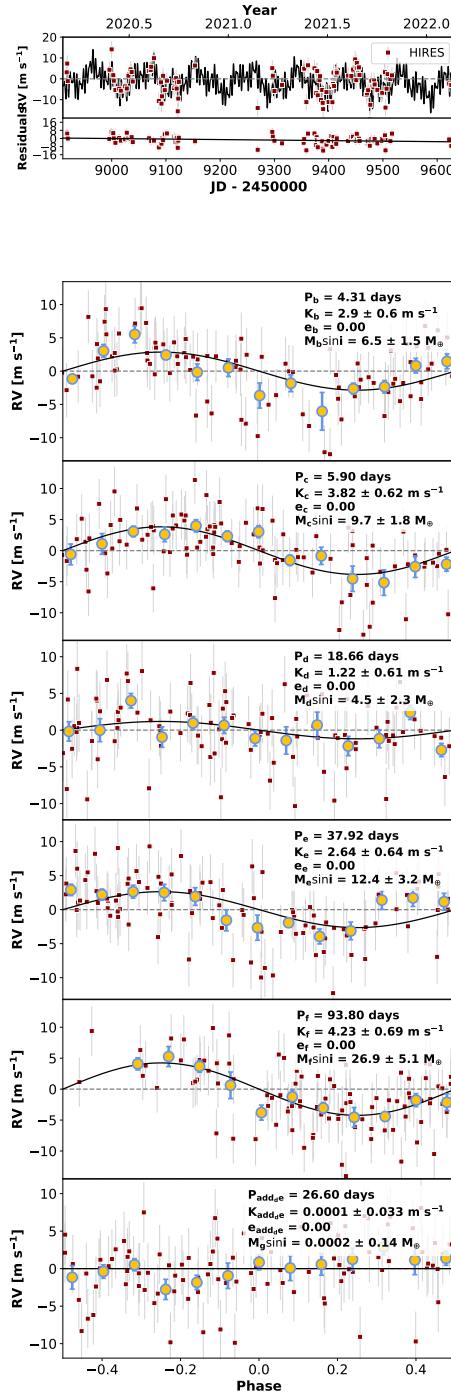


FIG. 1.— Best-fit 6-planet Keplerian orbital model for TOI-1246\_add.de. The maximum likelihood model is plotted while the orbital parameters listed in Table 2 are the median values of the posterior distributions. The thin blue line is the best fit 6-planet model. We add in quadrature the RV jitter term(s) 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.

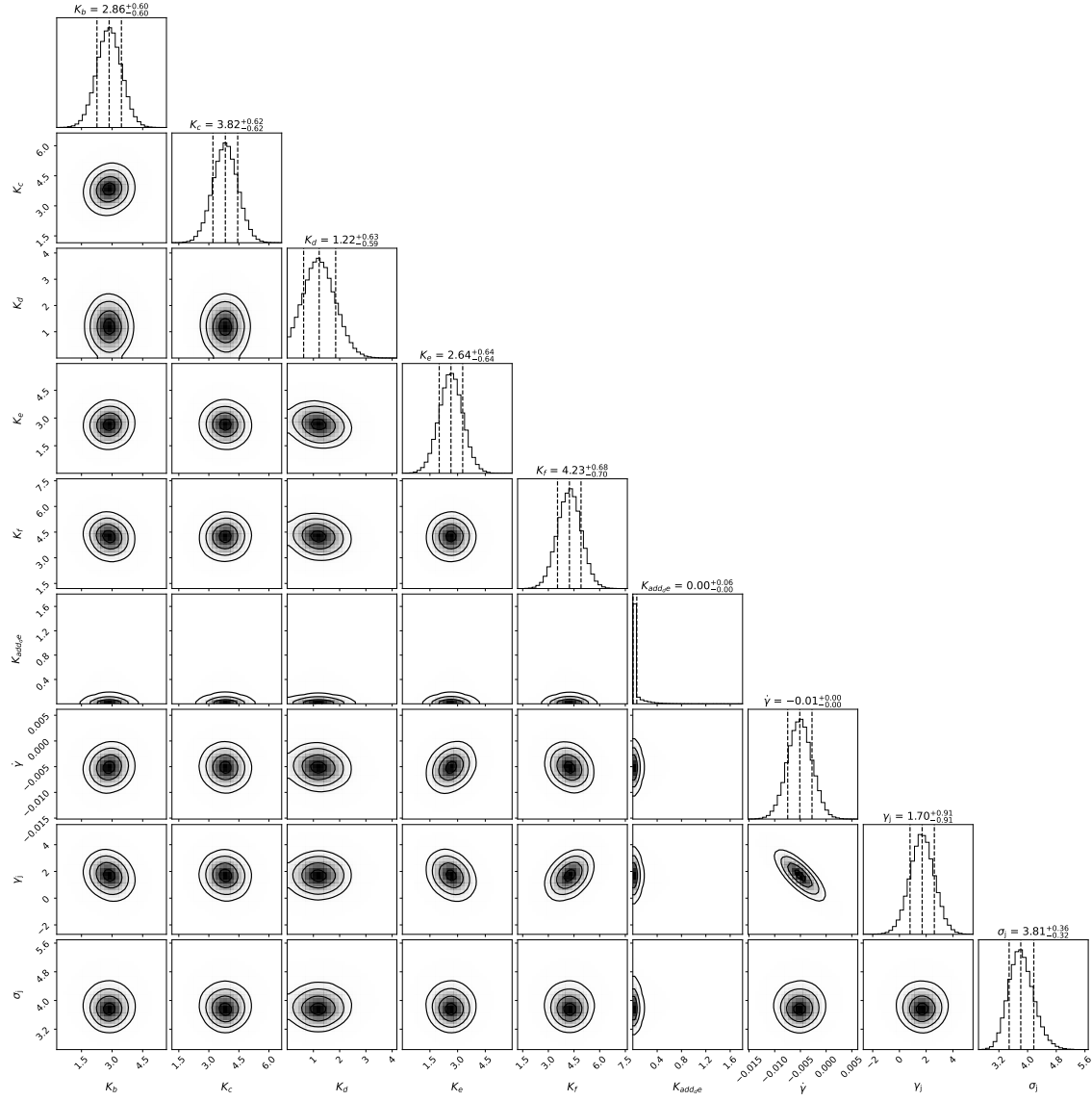


FIG. 2.— Posterior distributions for all free parameters.

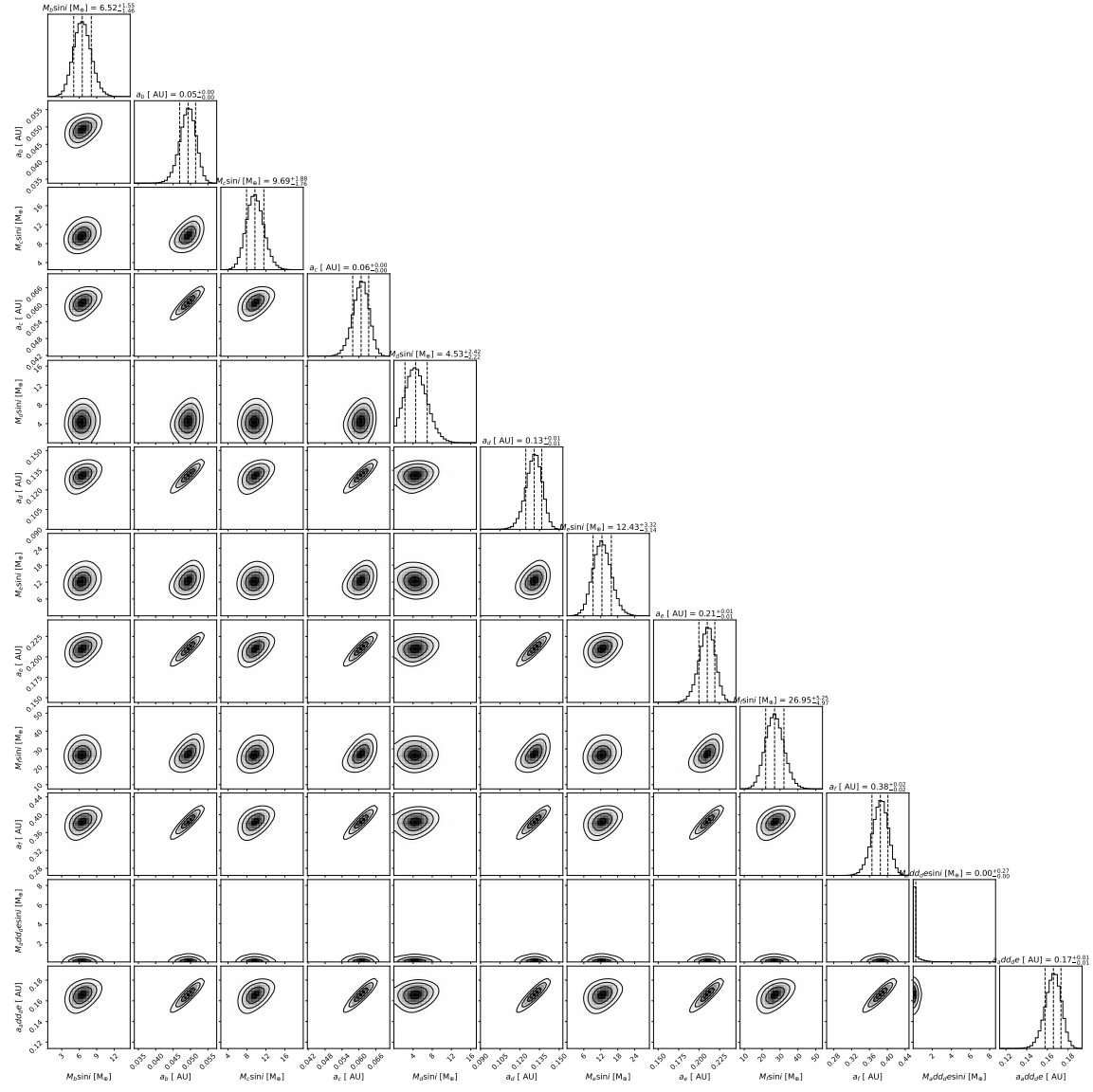


FIG. 3.— Posterior distributions for all derived parameters.