# American Crow



**A**

| parameter | mean | SD | q2.5 | q50 | q97.5 | Rhat |
|---|---|---|---|---|---|---|
| beta.time | -0.02 | 0 | -0.03 | -0.02 | -0.02 | 1 |
| beta.temp | -0.04 | 0 | -0.05 | -0.04 | -0.04 | 1 |
| beta.sky[1] | 0 | 0 | 0 | 0 | 0 | NaN |
| beta.sky[2] | 0 | 0 | -0.01 | 0 | 0.01 | 1 |
| beta.sky[3] | -0.02 | 0 | -0.03 | -0.02 | -0.01 | 1 |
| beta.sky[4] | -0.19 | 0.01 | -0.2 | -0.19 | -0.17 | 1 |
| beta.sky[5] | -0.11 | 0.01 | -0.14 | -0.11 | -0.09 | 1 |
| beta.sky[6] | -0.22 | 0.03 | -0.27 | -0.22 | -0.17 | 1 |
| beta.sky[7] | -0.28 | 0.09 | -0.46 | -0.28 | -0.11 | 1 |
| beta.wind[1] | 0 | 0 | 0 | 0 | 0 | NaN |
| beta.wind[2] | -0.02 | 0 | -0.03 | -0.02 | -0.02 | 1 |
| beta.wind[3] | -0.06 | 0 | -0.06 | -0.06 | -0.05 | 1 |
| beta.wind[4] | -0.21 | 0.01 | -0.23 | -0.21 | -0.19 | 1 |
| beta.wind[5] | -0.33 | 0.01 | -0.36 | -0.33 | -0.31 | 1 |
| beta.wind[6] | -0.4 | 0.06 | -0.52 | -0.4 | -0.28 | 1 |
| beta.wind[7] | 0.75 | 0.15 | 0.46 | 0.75 | 1.05 | 1 |
| mean.phi | 0.97 | 0 | 0.97 | 0.97 | 0.97 | 1.01 |
| mean.gamma | 1.98 | 0.02 | 1.94 | 1.98 | 2.02 | 1.01 |
| mean.p | 0.42 | 0 | 0.41 | 0.42 | 0.42 | 1.02 |
| mean.lam | 70.82 | 0.42 | 70.01 | 70.82 | 71.67 | 1.01 |

**B** Est. N  **C** Obs. counts  **D** Est. N vs obs. counts  **E** Total N
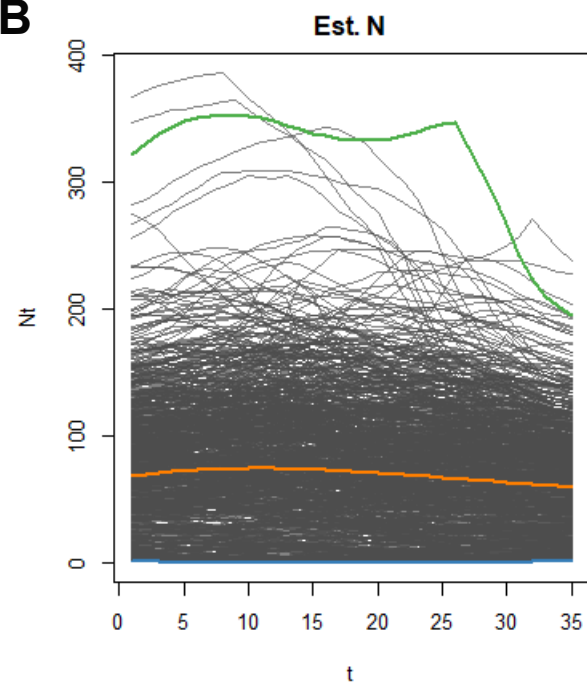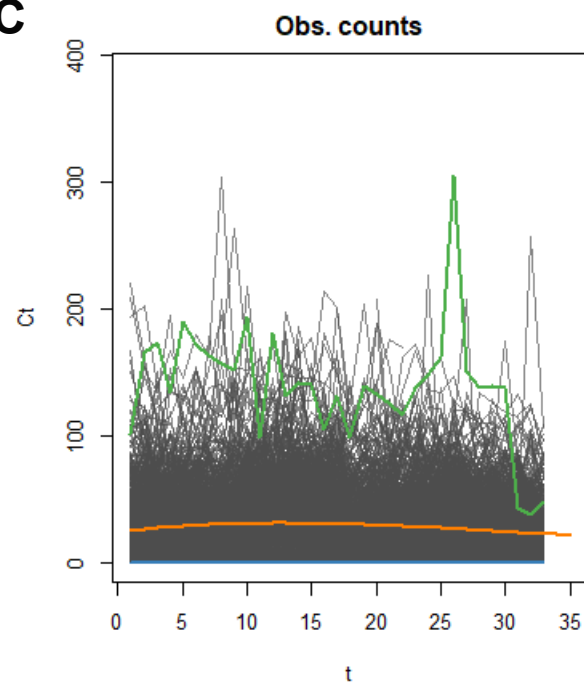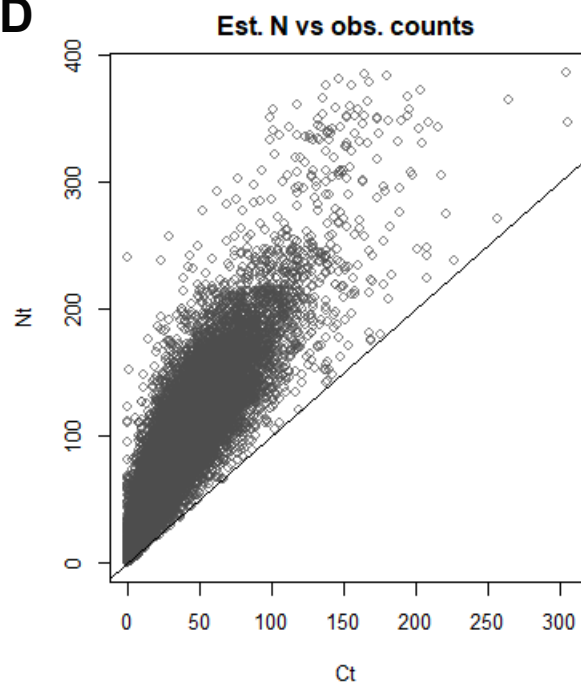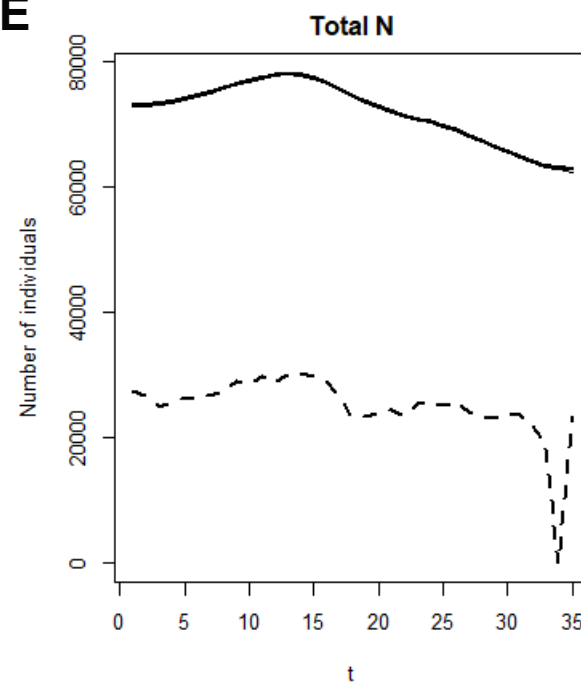
# Wood Thrush



| parameter | mean | SD | q2.5 | q50 | q97.5 | Rhat |
|---|---|---|---|---|---|---|
| beta.time | -0.06 | 0.01 | -0.07 | -0.06 | -0.04 | 1 |
| beta.temp | 0.02 | 0.01 | 0 | 0.02 | 0.03 | 1 |
| beta.sky[1] | 0 | 0 | 0 | 0 | 0 | NaN |
| beta.sky[2] | 0.03 | 0.01 | 0.01 | 0.03 | 0.05 | 1 |
| beta.sky[3] | 0.09 | 0.01 | 0.07 | 0.09 | 0.11 | 1 |
| beta.sky[4] | 0.07 | 0.02 | 0.03 | 0.07 | 0.11 | 1 |
| beta.sky[5] | 0.03 | 0.04 | -0.05 | 0.03 | 0.11 | 1 |
| beta.sky[6] | -0.39 | 0.08 | -0.55 | -0.4 | -0.24 | 1 |
| beta.sky[7] | 0.12 | 0.33 | -0.53 | 0.11 | 0.79 | 1 |
| beta.wind[1] | 0 | 0 | 0 | 0 | 0 | NaN |
| beta.wind[2] | -0.09 | 0.01 | -0.11 | -0.09 | -0.06 | 1 |
| beta.wind[3] | -0.18 | 0.01 | -0.21 | -0.18 | -0.16 | 1 |
| beta.wind[4] | -0.48 | 0.03 | -0.54 | -0.48 | -0.42 | 1 |
| beta.wind[5] | -0.71 | 0.05 | -0.82 | -0.71 | -0.61 | 1 |
| beta.wind[6] | -1.82 | 0.47 | -2.81 | -1.8 | -0.99 | 1 |
| beta.wind[7] | -0.39 | 0.86 | -2.07 | -0.4 | 1.4 | 1 |
| mean.phi | 0.97 | 0 | 0.97 | 0.97 | 0.98 | 1 |
| mean.gamma | 0.11 | 0 | 0.1 | 0.11 | 0.11 | 1 |
| mean.p | 0.45 | 0 | 0.44 | 0.45 | 0.45 | 1 |
| mean.lam | 9.76 | 0.12 | 9.52 | 9.76 | 10 | 1 |

Est. N  Obs. counts  Est. N vs obs. counts  Total N