



Fig. S9. Model results are robust to possible insect contamination. We removed altitude bins with mean airspeed $\leq 5 \text{ m s}^{-1}$ to limit the inclusion of flying insects in our dataset. Predictions made by a model trained without airspeed filtering corresponded closely to those made by the final model with airspeed filtering (Pearson's $r = 0.995$). Prediction error for these two models was comparable (RMSE = 1.422 with filtering; RMSE = 1.442 without filtering). The dashed red line is the identity line.