Table 1. Data streams used to delineate movement states in hidden Markov models (HMMs), and the type of distribution fit to each data stream in the HMMs. Data streams are categorized by their appearance in the base and full models, with the base model using only the 3 core data streams and the full model using all 9 data streams. Point-specific attributes (latitude, ordinal day, distance from start, breeding range, log(distance to nearest points), residence time) are based on the woodcock’s location at the beginning of the step.

Table 2. Definitions of long-distance movement states manually delineated for American Woodcock.

Table 3. Migratory characteristics of American Woodcock based on full and base models for each seasonal hidden Markov model, in addition to detection rates for long-distance movements outside of spring and fall migration.