

Appendix 1

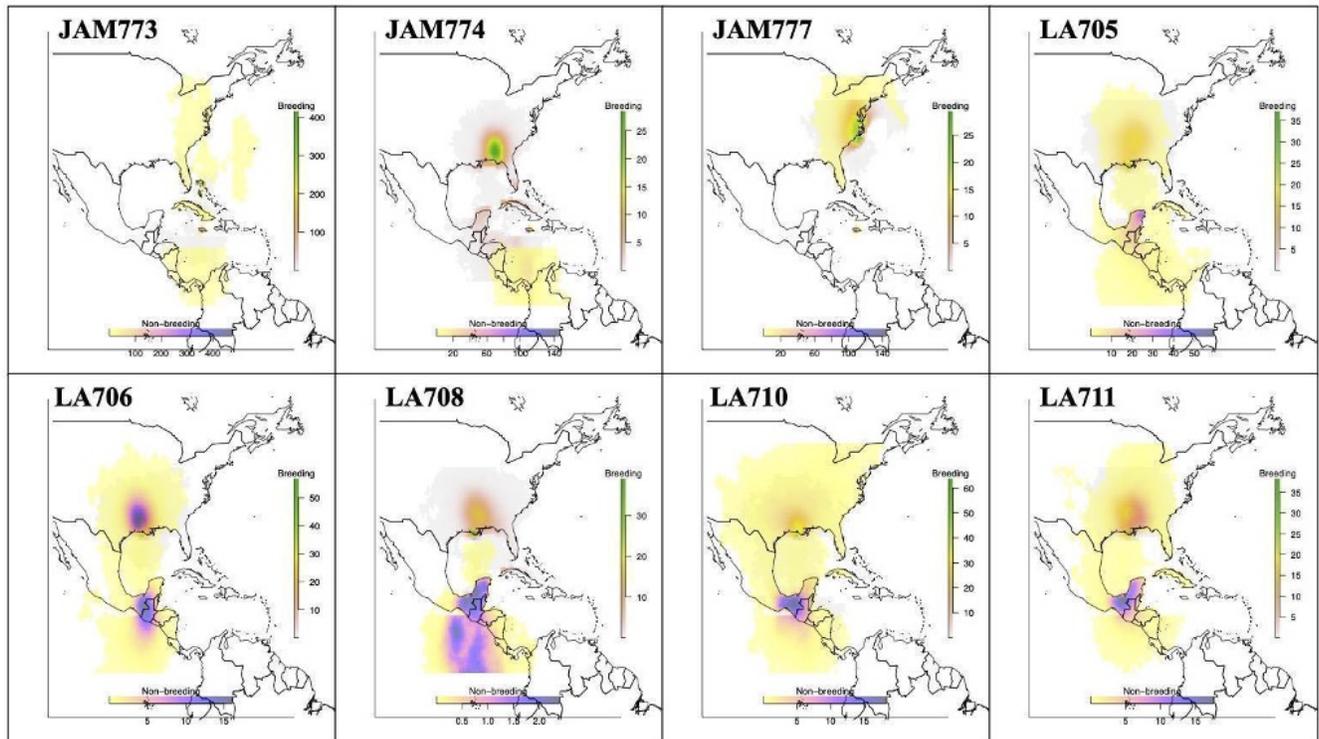


Fig. A1.1 Maps demonstrating the breeding distributions for three Swainson's Warblers captured in Jamaica (JAM773, 774, 777), and nonbreeding distributions for five Swainson's Warblers captured in Louisiana (LA705, 706, 708, 710, 711).

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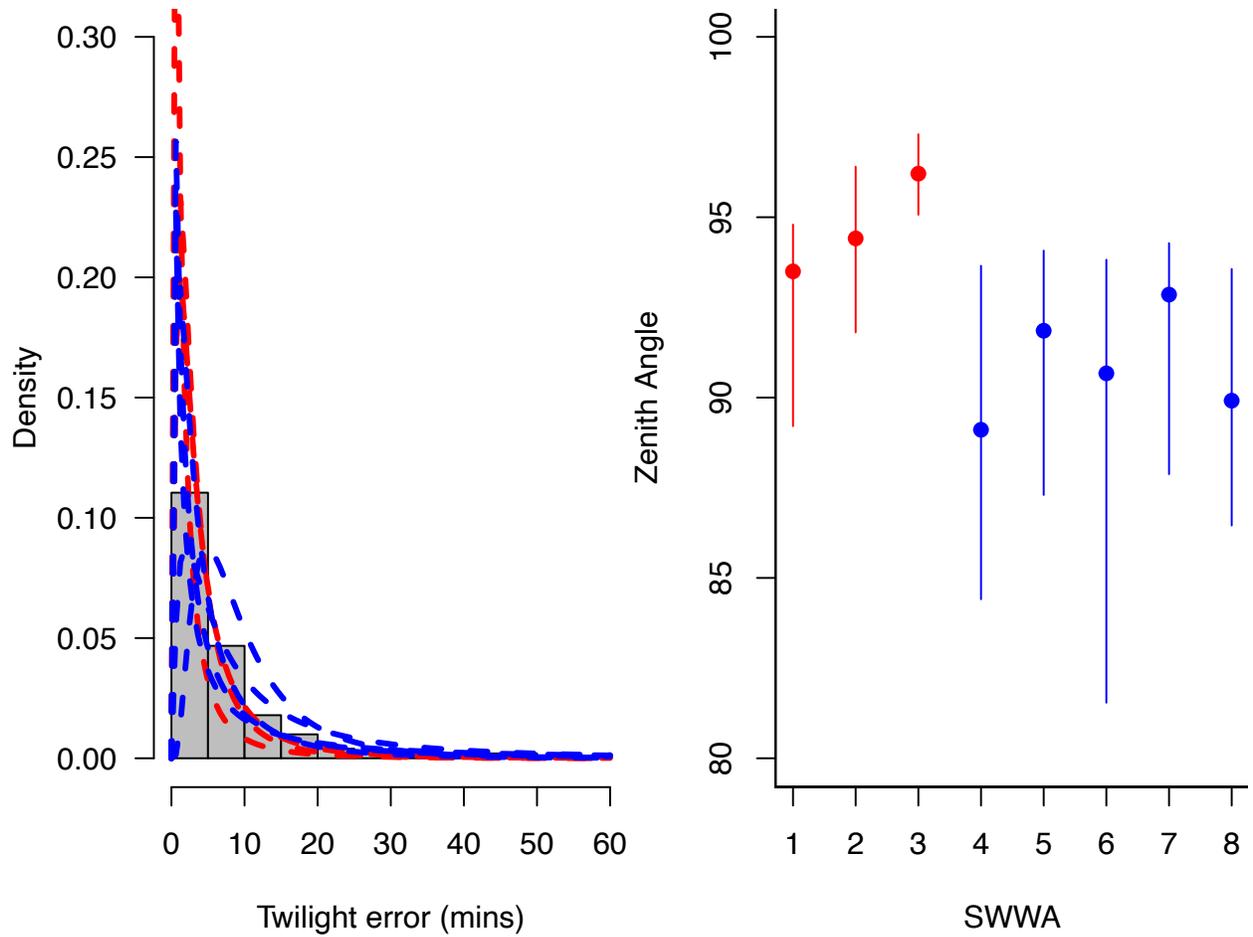


Fig. A1.2 Twilight error (left panel) and zenith angle distributions for each of the Swainson's Warblers tagged with a light-level geolocator in Louisiana (blue) and Jamaica (red) during the 2018 breeding and nonbreeding seasons, respectively.