Figure S1. Frequency distribution of the delay between Argos locations obtained from juvenile smooth hammerhead sharks.
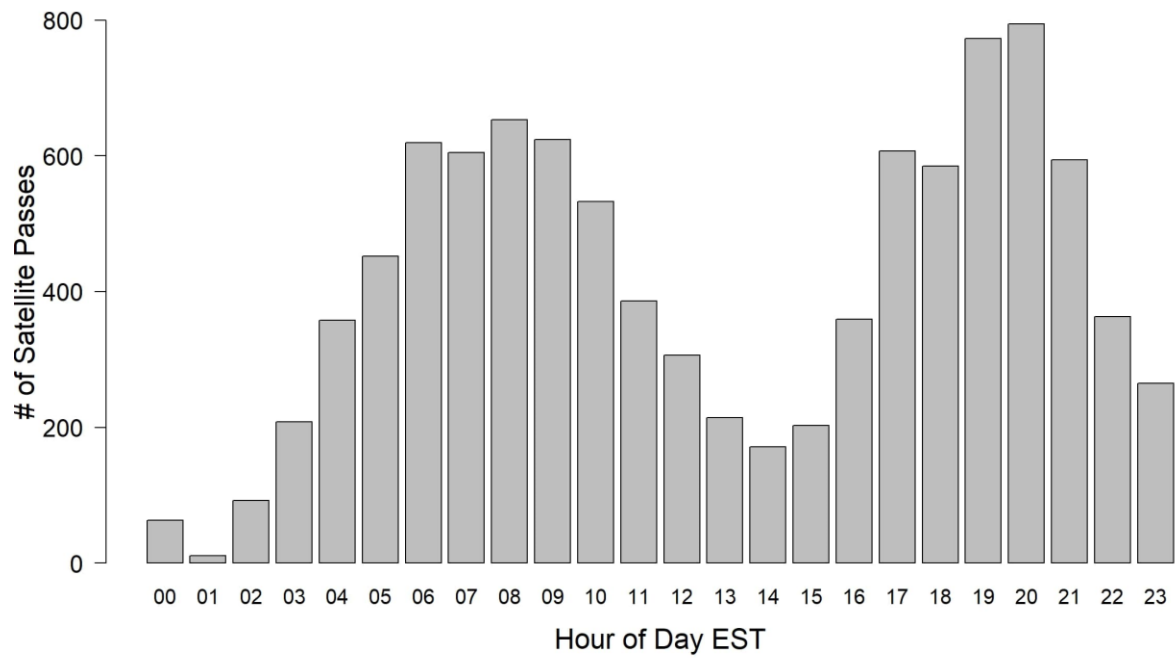
Figure S2. Hourly number of satellite passes over 42˚N and 74˚W from June 2017–September 2018. EST = Eastern Standard Time.
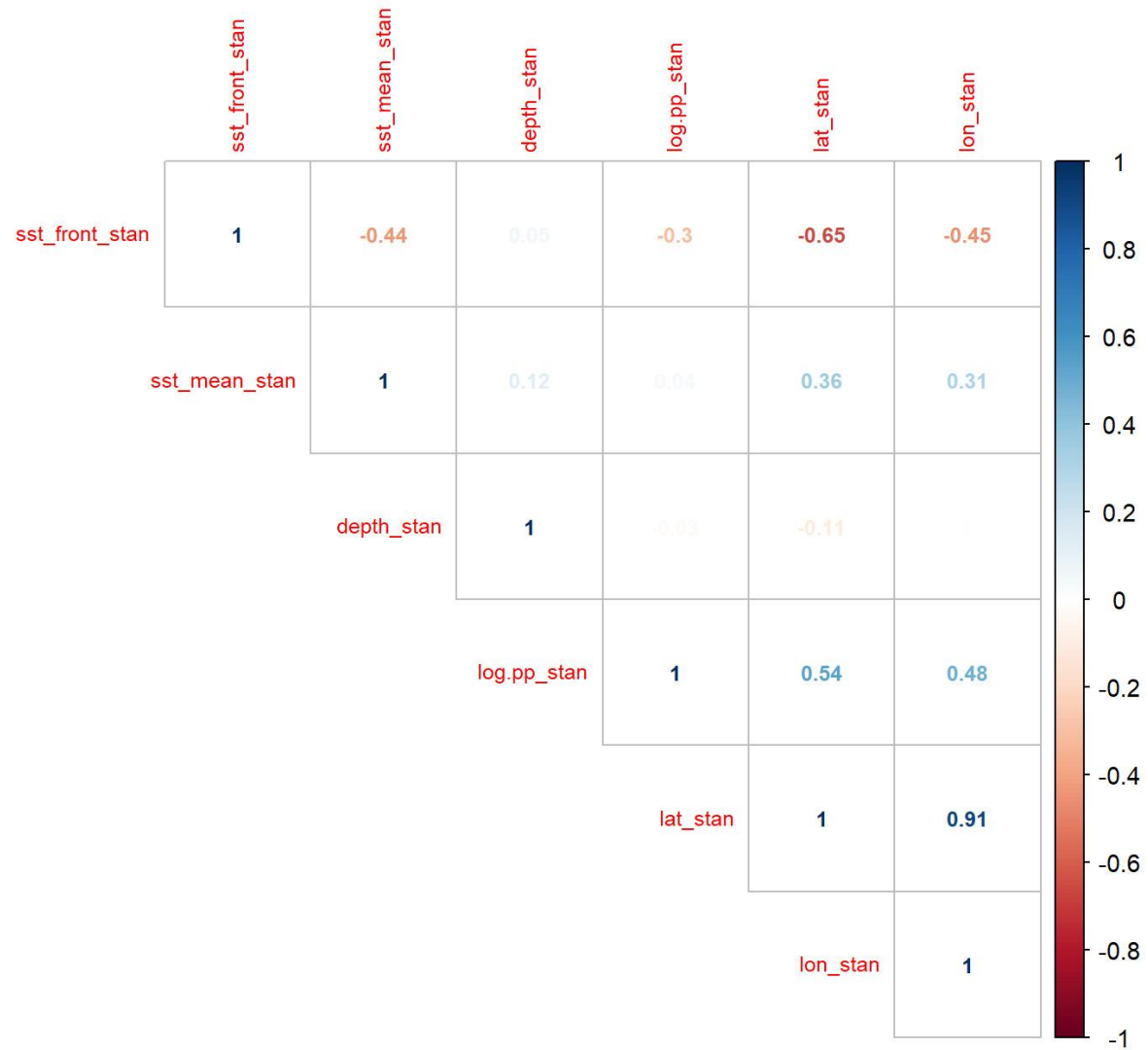
Figure S3. Correlation matrix plot of the predictor variables used in the generalized additive mixed models (GAMMs). All variables were standardized by their mean and standard deviation (displayed as: "variable_name"_stan).
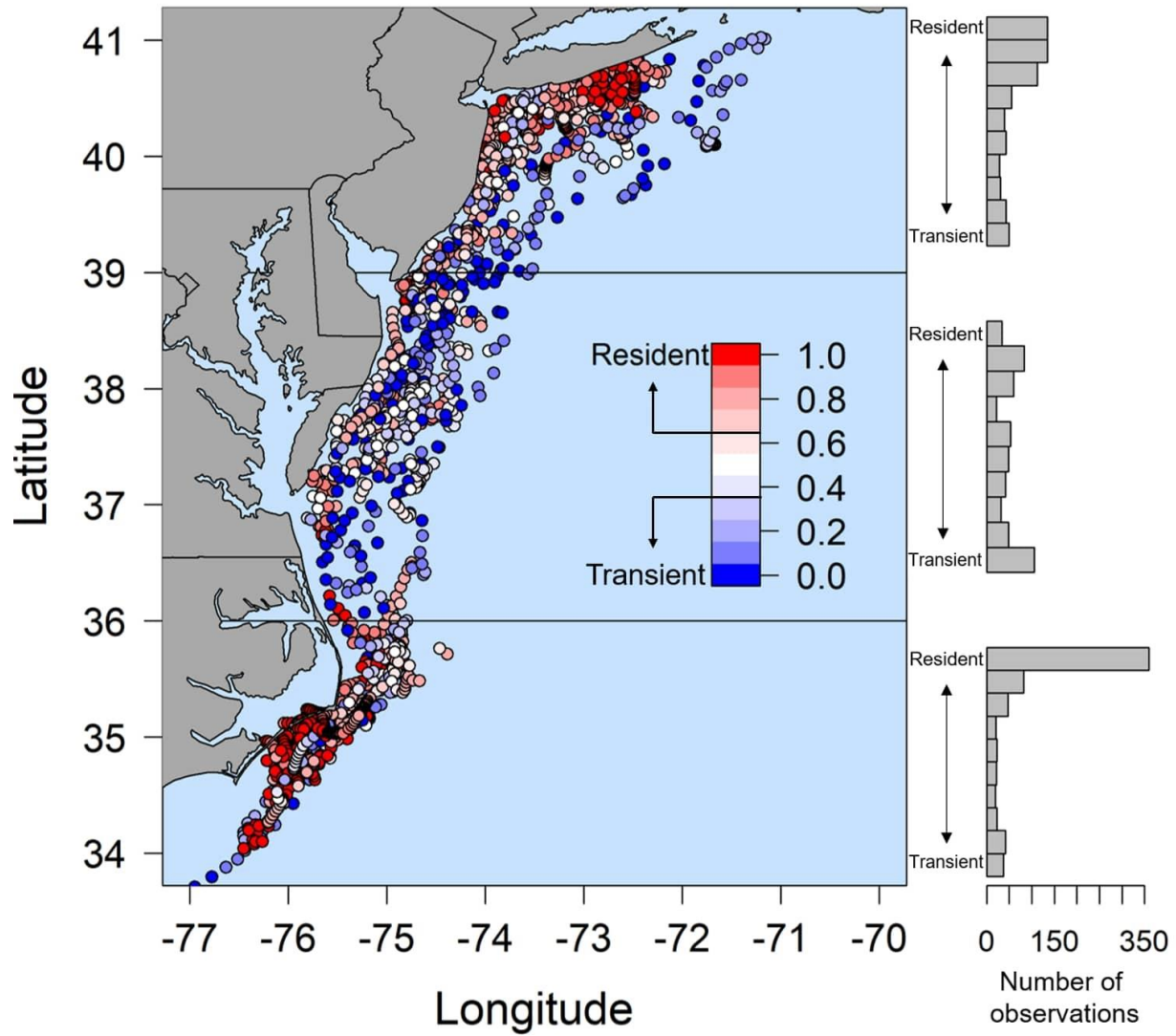
Figure S4. Locations and behavioral mode classification (from hierarchical Bayesian state space model) of juvenile smooth hammerheads. Inset histograms indicate the relative proportion of locations classified as resident or transient in three geographic regions (north of 39° N, south of 36° N, and the area in between.
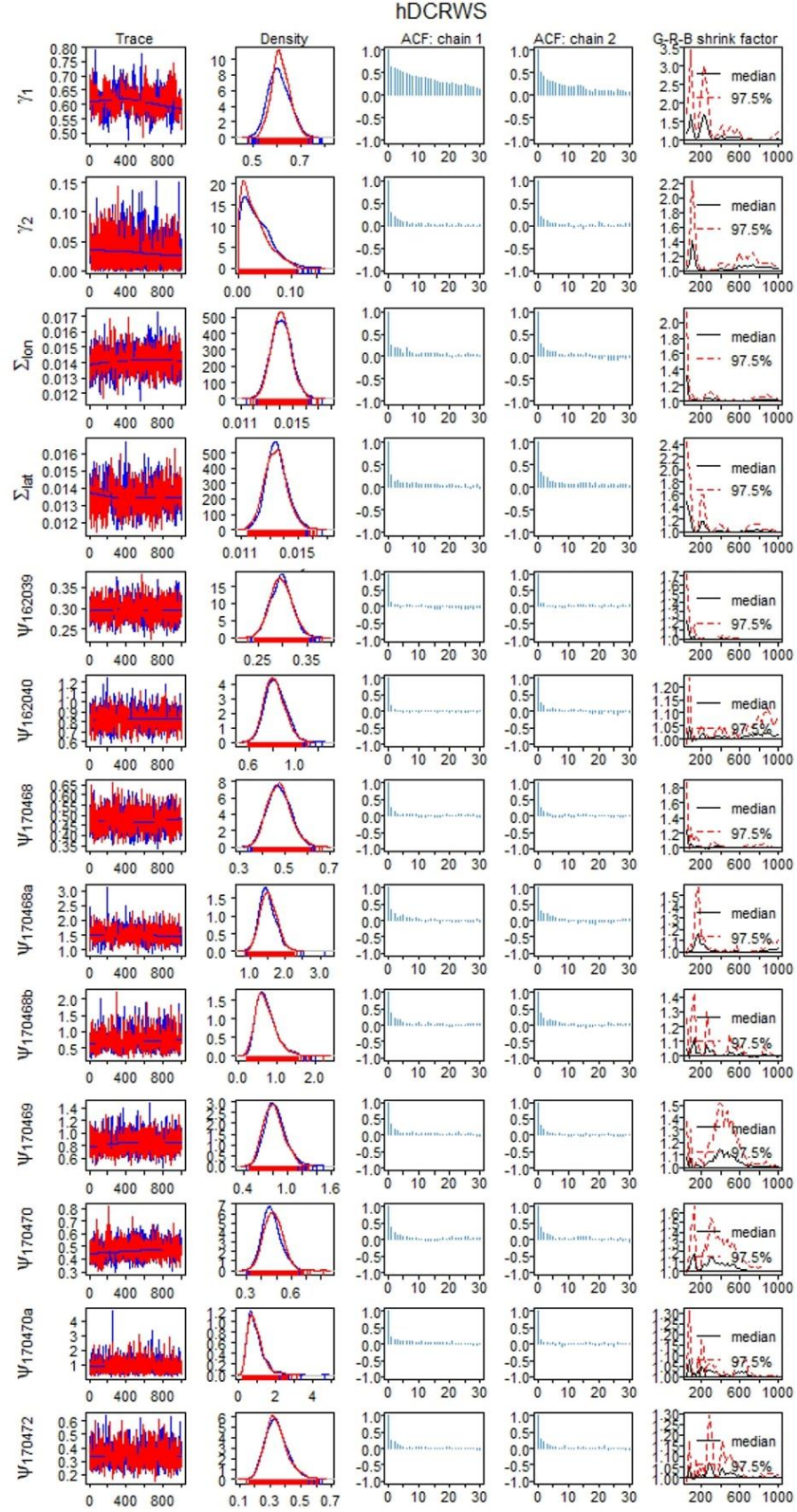
Figure S5. MCMC diagnostics for the hierarchical Bayesian state space model. Different colors identify individual MCMC chains.