

Summary of green turtle tracks

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1 Background

In the development of a transferable species distribution modeling approach, green turtle (*Chelonia mydas*) satellite telemetry data was first obtained from five collaborators at three regional sites (Gulf of Mexico, Brazil, Qatar). Upon receiving the raw data, tracks were cleaned and collated to a common set of columns for further processing. This resulted in a total of 87170 observations from 86 total individuals (GoM: N = 46438; Brazil: N = 39152; Qatar: N = 1580).

A summary table of the number of tracked juvenile and adult green turtles per study region are shown in Table 1.

Table 1: Sampe size (N) for each study region and age class.

Region	Age	N
Brazil	Juv	18
Brazil	Adult	8
GoM	Juv	29
GoM	Adult	21
Qatar	Juv	10
Qatar	Adult	0

2 Visualizations

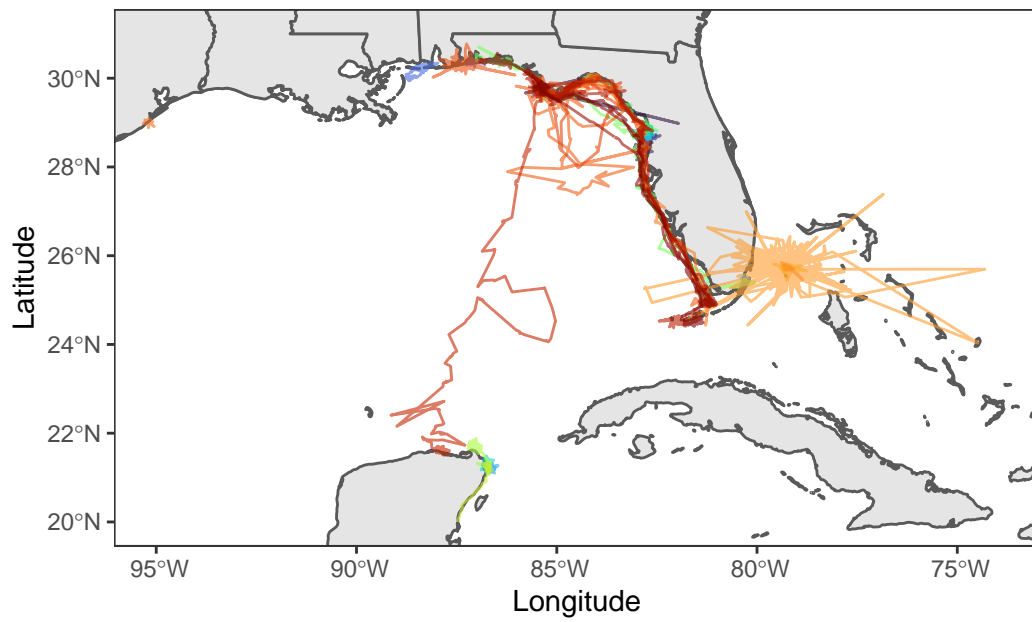


Figure 1: Map of pre-filtered, raw tracks of green turtles in the Gulf of Mexico region ($N = 50$). Colors indicate different individuals.

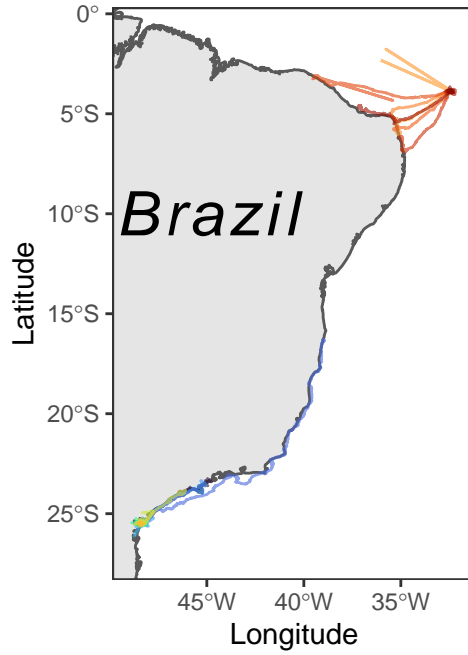


Figure 2: Map of pre-filtered, raw tracks of green turtles along the coast of Brazil in the South Atlantic ($N = 26$). Colors indicate different individuals.

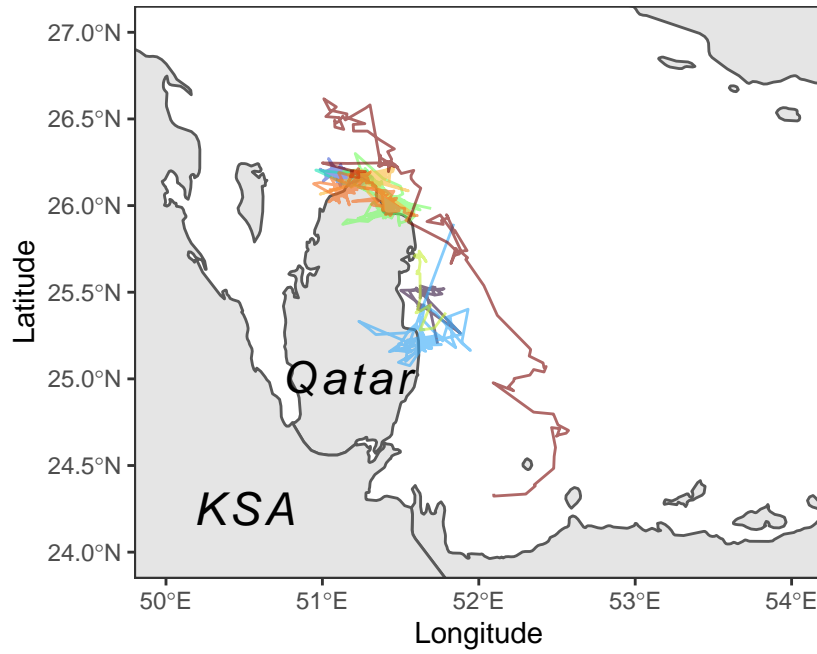


Figure 3: Map of pre-filtered, raw tracks of green turtles along the coast of Qatar in the Arabian Gulf ($N = 10$). Colors indicate different individuals.