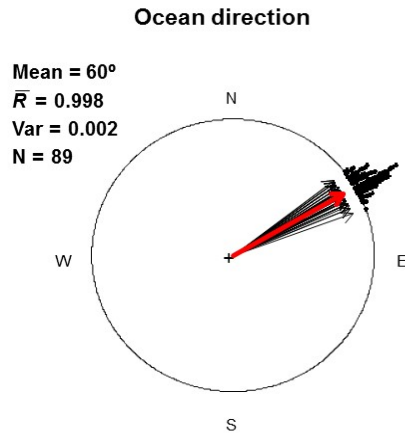




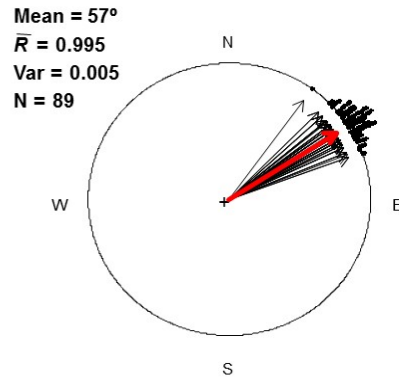
Figure 2. A). An example of hatchling emergence tracks from the natural beach, showing high accuracy of navigation toward sea (Canaveral National Seashore). B). The tracks indicate poor hatchling navigation at the beach with artificial light approximate to the emergence point (Boca Raton).

Circular Analysis

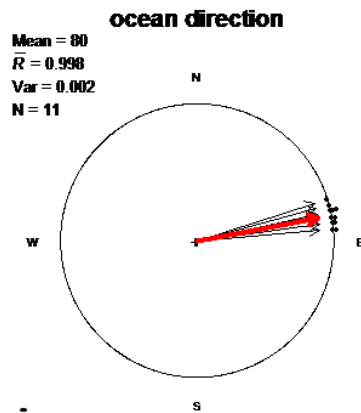
Canaveral NS (Natural Beach)



Loggerhead Mode hatchling direction



Boca Raton (Lighted Beach)



Loggerhead nests mode hatchling direction

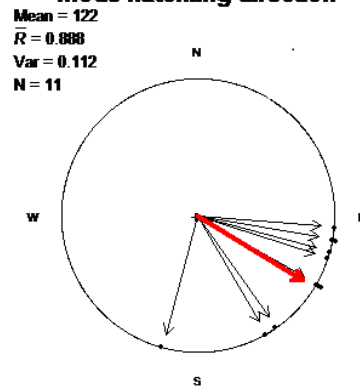


Figure 1. The result of circular analysis from Cape Canaveral National Seashore (Brevard County), the beach with no artificial lights, indicates that the loggerhead mode hatchling direction is similar to the ocean direction, showing the high accuracy of the hatchling orientation toward the ocean. On the other hand, the results from Boca Raton (Palm Beach County) where has artificial lights near the beach show inaccuracy of their orientations. Most frequent bearings ("mode") of hatchling tracks deviated from the directions of ocean.