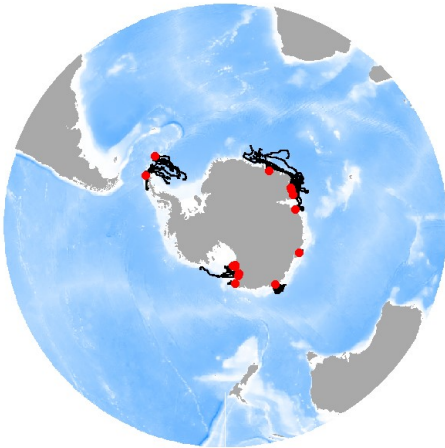
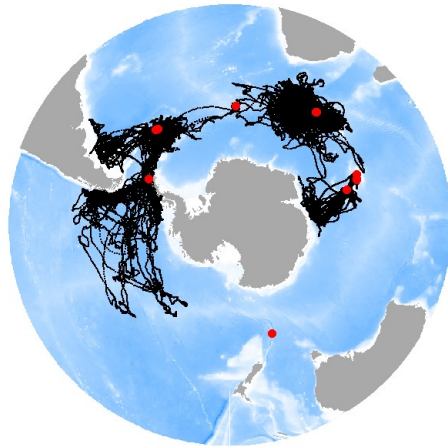


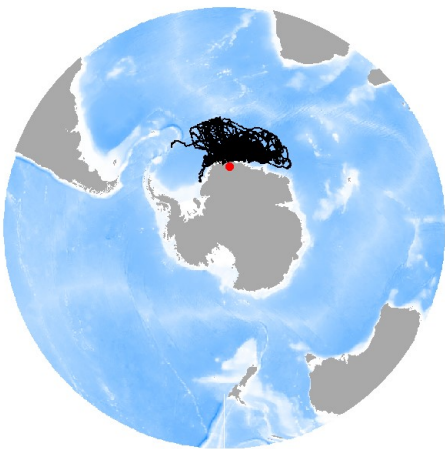
Adélie penguin



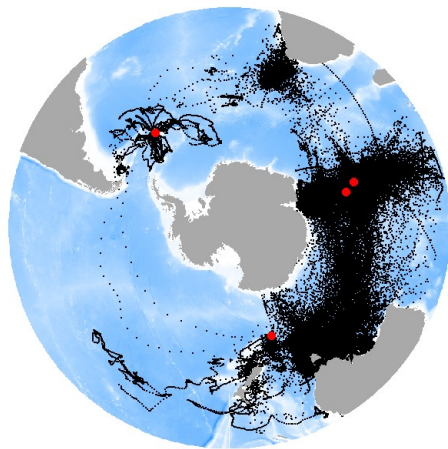
Antarctic fur seal



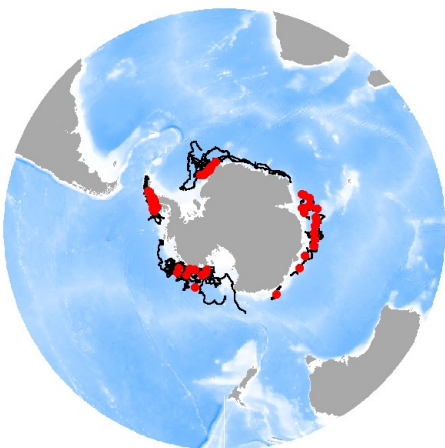
Antarctic petrel



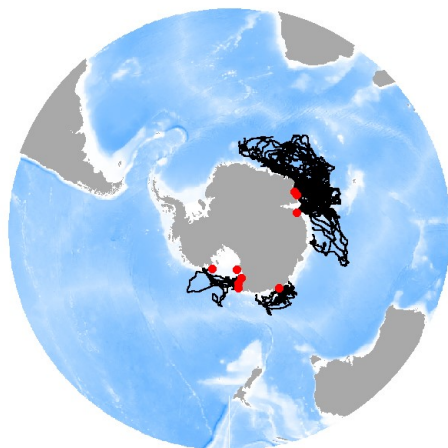
Black-browed albatross



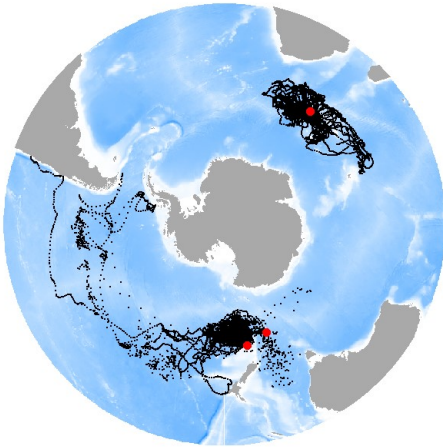
Crabeater seal



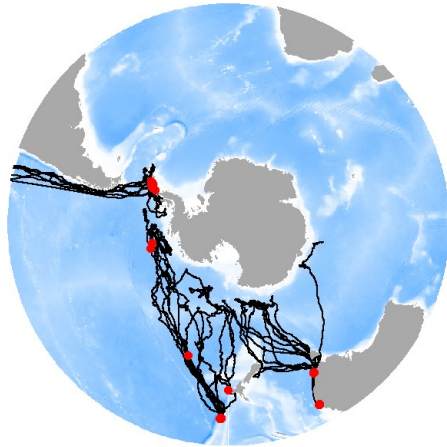
Emperor penguin



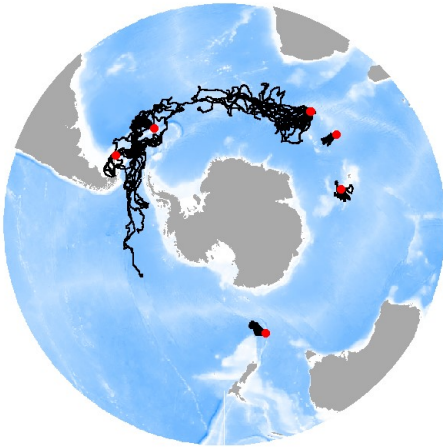
Grey-headed albatross



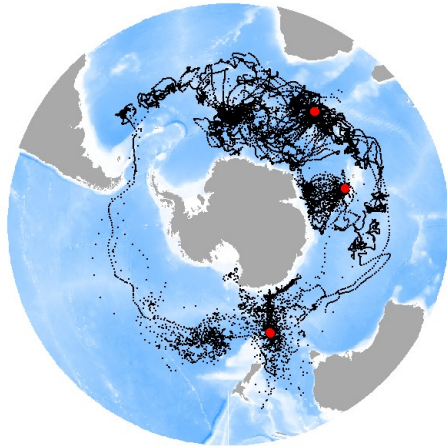
Humpback whale



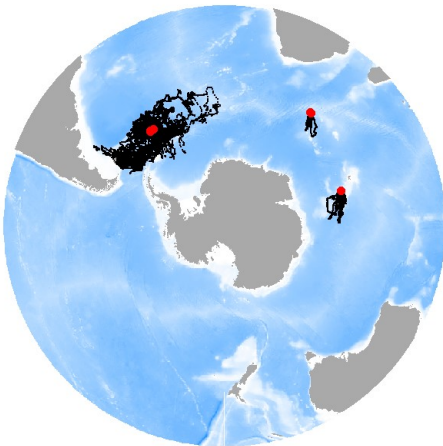
King penguin



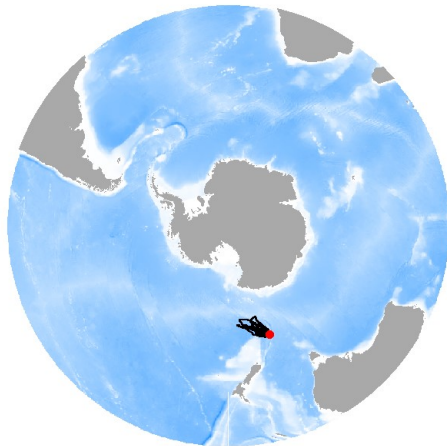
Light-mantled albatross



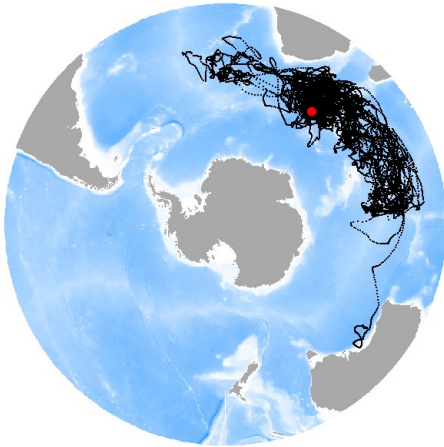
Macaroni penguin



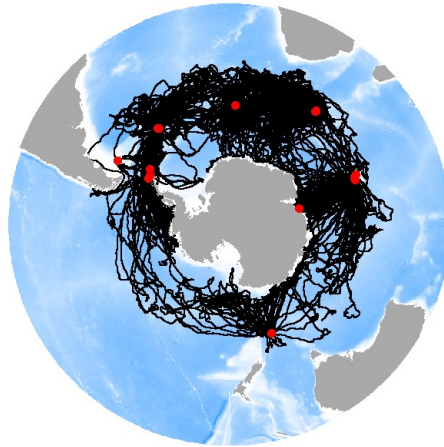
Royal penguin



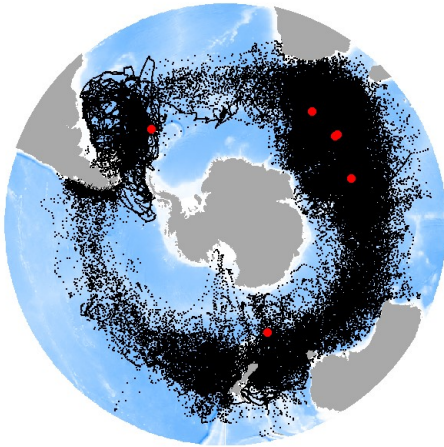
Sooty albatross



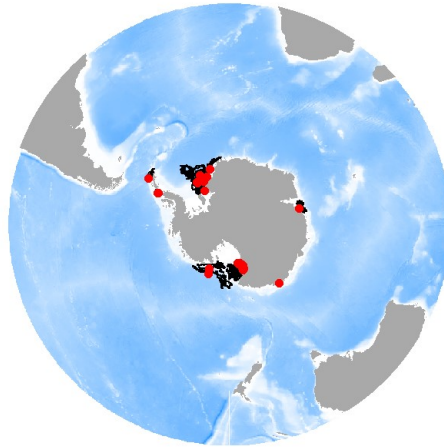
Southern elephant seal



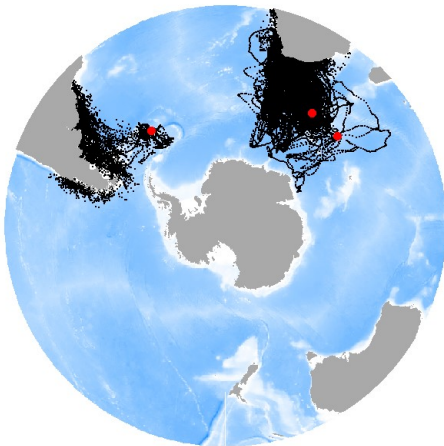
Wandering albatross



Weddell seal



White-chinned petrel



**Supplementary Figure S1:** Filtered location data (black) and tag deployment locations (red) for each species. Maps are Lambert Azimuthal projections extending from 90° S to 20° S.