

Appendix 1: Supplementary Information — Results of albatross-biologging movement literature review

Results of a literature search of published research articles selected with the ‘ISI Web of Knowledge’ (Thomson Reuters) search engine with the search criteria: “Topic = (albatross AND (biologging OR biollogger OR telemetry OR satellite OR GPS OR GLS OR geolocator)). The results were narrowed to include peer-reviewed journal articles (i.e. not books or reports) where bird-borne biologging tools were used to produce positional data for individuals. This yielded a total of 117 papers published between 1990 and 2015 (search completed on 31 December 2015).

1. JOUVENTIN, P. & WEIMERSKIRCH, H. 1990. Satellite tracking of wandering albatrosses. *Nature* 343: 746–748.
2. SALAMOLARD, M. & WEIMERSKIRCH, H. 1993. Relationship between foraging effort and energy requirement throughout the breeding season in the Wandering Albatross. *Functional Ecology* 7: 643–652.
3. WEIMERSKIRCH, H., SALAMOLARD, M., SARRAZIN, F. & JOUVENTIN, P. 1993. Foraging strategy of Wandering Albatrosses through the breeding season: a study using satellite telemetry. *The Auk* 110: 325–342.
4. WEIMERSKIRCH, H. & ROBERTSON, G. 1994. Satellite tracking of light-mantled sooty albatrosses. *Polar Biology* 14: 123–126.
5. PRINCE, P.A., WOOD, A.G., BARTON, T. & CROXALL, J.P. 1994. Satellite tracking of wandering albatrosses (*Diomedea exulans*) in the South Atlantic. *Antarctic Science* 4: 31–36.

6. WEIMERSKIRCH, H., DONCASTER, C.P. & CUENOT-CHAILLET, F. 1994. Pelagic seabirds and the marine environment: foraging patterns of wandering to prey albatrosses in relation to prey availability and distribution. *Proceedings of the Royal Society B: Biological Sciences* 255: 91–97.
7. ROBERTSON, G., MOORS, P., BUTCHER, E. & HILDEBRANDT, M. 1995. Satellite tracking of the Wandering Albatross *Diomedea exulans* around Australia and in the Indian Ocean. *Journal of Zoology* 95: 223–230.
8. WALKER, K., ELLIOTT, G., NICHOLLS, D., MURRAY, D. & DILKS, P. 1995. Satellite tracking of wandering albatross (*Diomedea exulans*) from the Auckland Islands: preliminary results. *Notornis* 42: 127–137.
9. ARNOULD, J.P., BRIGGS, D.R., CROXALL, J.P., PRINCE, P.A. & WOOD, A.G. 1996. The foraging behaviour and energetics of wandering albatrosses brooding chicks. *Antarctic Science* 8: 229–236.
10. SAGAR, P.M. & WEIMERSKIRCH, H. 1996. Satellite tracking of Southern Buller's Albatrosses from the Snares, New Zealand. *The Condor* 98: 649–652.
11. VEIT, R.R. & PRINCE, P.A. 1997. Individual and population level dispersal of Black-browed Albatrosses *Diomedea melanophris* and Grey-headed Albatrosses *D. chrysostoma* in response to Antarctic krill. *Ardea* 85: 129–134.
12. WEIMERSKIRCH, H., MOUGEY, T. & HINDERMEYER, X. 1997. Foraging and provisioning strategies of black-browed albatrosses in relation to the requirements of the chick: natural variation and experimental study. *Behavioural Ecology* 8: 635–643.

13. WEIMERSKIRCH, H., CHEREL, Y., CUENOT-CHAILLET, F. & RIDOUX, V. 1997. Alternative foraging strategies and resource allocation by male and female wandering albatross. *Ecology* 78: 2051–2063.
14. WEIMERSKIRCH, H., WILSON, R.P. & LYS, P. 1997. Activity pattern of foraging in the wandering albatross: a marine predator with two modes of prey searching. *Marine Ecology Progress Series* 151: 245–251.
15. BROTHERS, N., GALES, R., HEDD, A. & ROBERTSON, G. 1998. Foraging movements of the Shy Albatross *Diomedea cauta* breeding in Australia; implications for interactions with longline fisheries. *Ibis* 140: 446–457.
16. ÅKESSON, S. & ALERSTAM, T. 1998. Oceanic navigation: are there any feasible geomagnetic bi-coordinate combinations for albatrosses? *Journal of Avian Biology* 29: 618–625.
17. TUCK, G.N., POLACHECK, T., CROXALL, J.P., WEIMERSKIRCH, H., PRINCE, P.A. & WOTHERSPOON, S.J. 1999. The potential of archival tags to provide long-term movement and behaviour data for seabirds: first results from Wandering Albatross *Diomedea exulans* of South Georgia and the Crozet Islands. *Emu* 99: 60–68.
18. WAUGH, S.M., WEIMERSKIRCH, H., CHEREL, Y., SHANKAR, U., PRINCE, P.A. & SAGAR, P.M. 1999. Exploitation of the marine environment by two sympatric albatrosses in the Pacific Southern Ocean. *Marine Ecology Progress Series* 177: 243–254.
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20. NICHOLLS, D.G., MURRAY, M.D., BUTCHER, E. & MOORS, P.J. 2000. Time spent in exclusive economic zones of Southern Oceans by non-breeding Wandering Albatrosses (*Diomedea* spp.): implications for national responsibilities for conservation. *Emu* 100: 318–323.
21. NEL, D.C., NEL, J.L., RYAN, P.G., KLAGES, N.T.W., WILSON, R.P. & ROBERTSON, G. 2000. Foraging ecology of grey-headed mollymawks at Marion Island, southern Indian Ocean, in relation to longline fishing activity. *Biological Conservation* 96: 219–231.
22. STAHL, J.C. & SAGAR, P.M. 2000. Foraging strategies and migration of southern Buller's albatrosses breeding on the Solander Is., New Zealand. *Journal of the Royal Society of New Zealand* 30: 319–334.
23. WOOD, A.G., NAEF-DAENZER, N.B., PRINCE, P.A. & CROXALL, J.P. 2000. Quantifying habitat use in satellite-tracked pelagic seabirds: application of kernel estimation to albatross locations. *Journal of Avian Biology* 31: 278–286.
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25. CHEREL, Y., WEIMERSKIRCH, H., TROUVÉ, C. & BOST, C. 2000. Food and feeding ecology of the neritic-slope forager black-browed albatross and its relationships with commercial fisheries in Kerguelen waters. *Marine Ecology Progress Series* 207: 183–199.
26. FERNÁNDEZ, P. & ANDERSON, D.J. 2000. Nocturnal and diurnal foraging activity of Hawaiian albatrosses detected with a new immersion monitor. *The Condor* 102: 577–584.
27. HYRENBACH, K.D. & DOTSON, R.C. 2001. Post-breeding movements of a male black-footed albatross (*Phoebastria nigripes*). *Marine Ornithology* 29: 7–10.

28. SHAFFER, S.A., COSTA, D.P. & WEIMERSKIRCH, H. 2001. Behavioural factors affecting foraging effort of breeding wandering albatrosses. *Journal of Animal Ecology* 70: 864–874.
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36. MURRAY, M.D., NICHOLLS, D.G., BUTCHER, E. & MOORS, P.J. 2003. How Wandering Albatrosses use weather systems to fly long distances. 2. The contributions of Antarctic LOWs to travel westwards across the Indian Ocean. *Emu* 103: 59–65.
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40. SHAFFER, S.A., COSTA, D.P. & WEIMERSKIRCH, H. 2003. Foraging effort in relation to the constraints of reproduction in free-ranging albatrosses. *Functional Ecology* 17: 66–74.
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46. CUTHBERT, R., HILTON, G., RYAN, P. & TUCK, G.N. 2005. At-sea distribution of breeding Tristan albatrosses *Diomedea dabbenena* and potential interactions with pelagic longline fishing in the South Atlantic Ocean. *Biological Conservation* 121: 345–355.
47. NICHOLLS, D.G., ROBERTSON, C.J.R. & NAEF-DAENZER, B. 2005. Evaluating distribution modelling using kernel functions for northern royal albatrosses (*Diomedea sanfordi*) at sea off South America. *Notornis* 52: 223–235.
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incidental mortality in fisheries. *Aquatic Conservation: Marine and Freshwater Ecosystems* 18: 309–320.

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