

At-sea distributions of the *Thalassarche* and *Phoebetria* albatrosses of the Prince Edward Islands

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BM Dyer, L Upfold

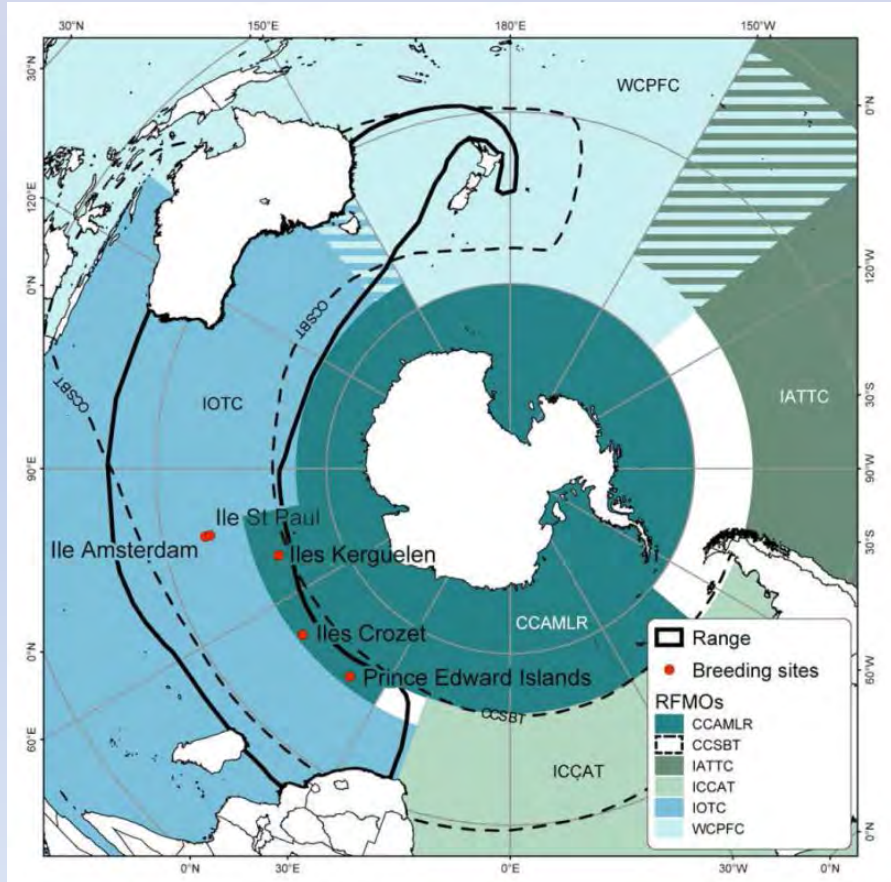


photo BirdLife International

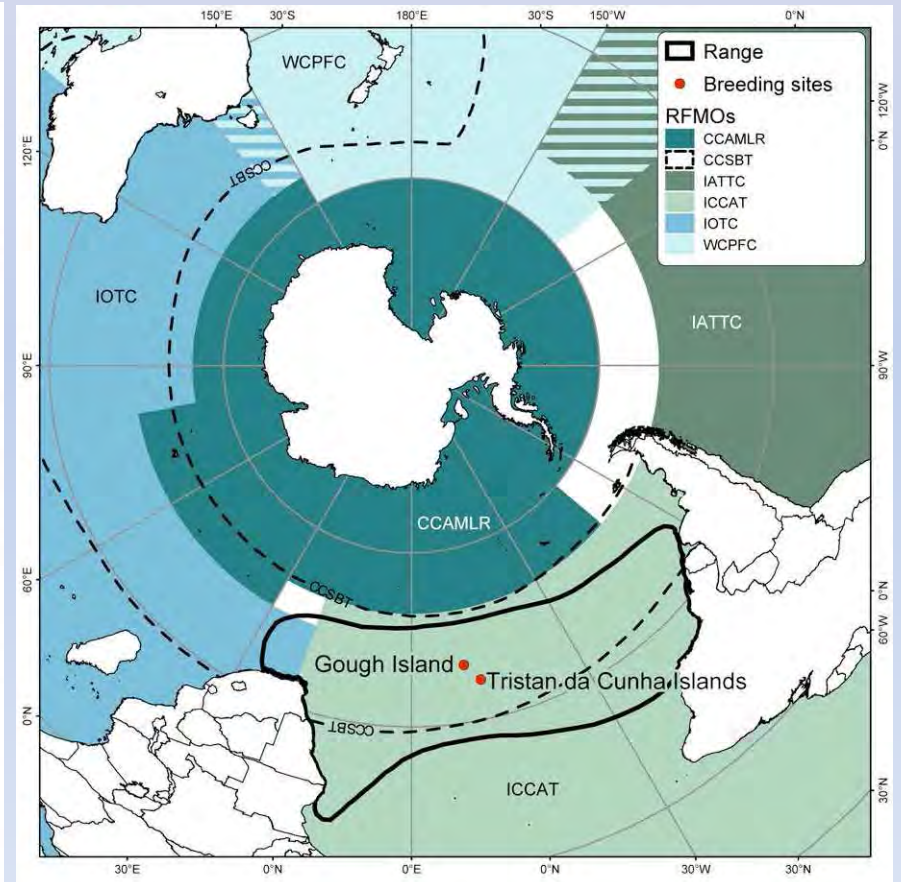


Breeding localities of Yellow-nosed Albatrosses

from Agreement on the Conservation of Albatrosses and Petrels (2009)



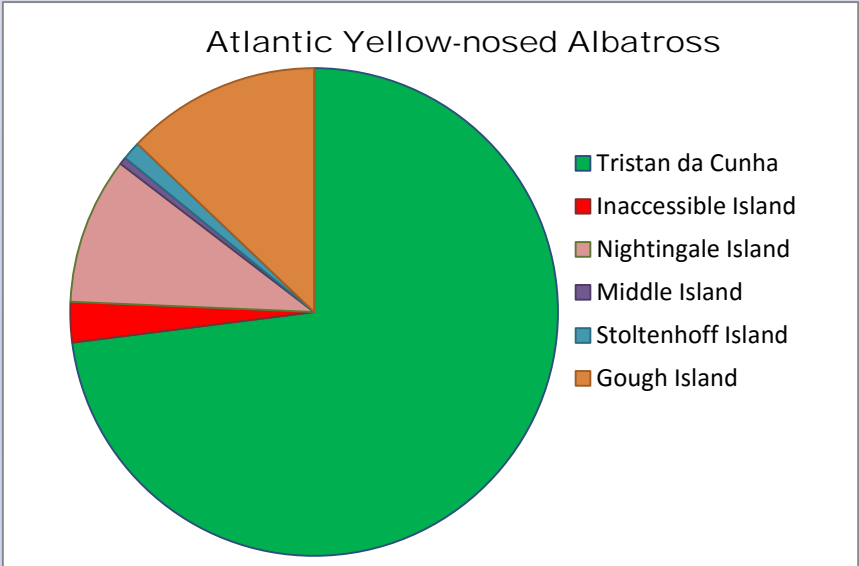
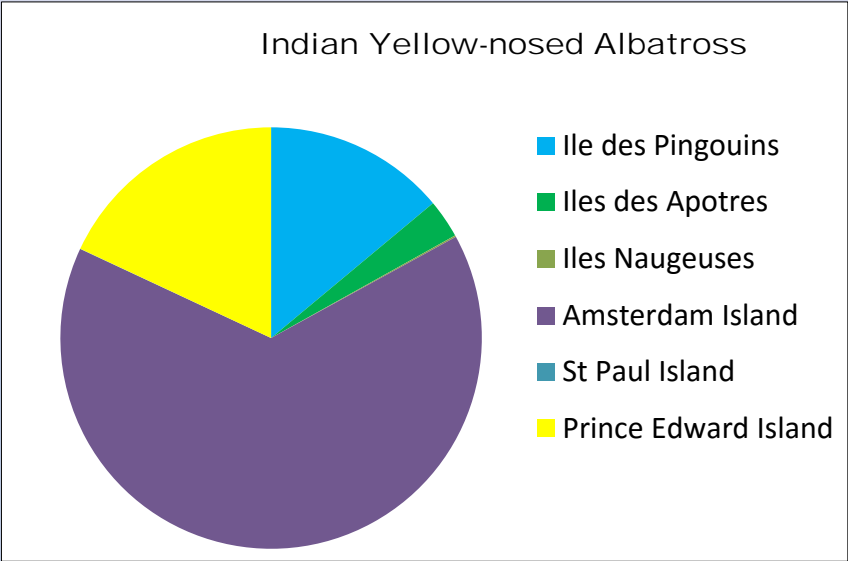
Indian Yellow-nosed Albatross
T. carteri



Atlantic Yellow-nosed Albatross
T. chlororhynchus

Contributions of breeding localities to overall populations of Yellow-nosed Albatrosses

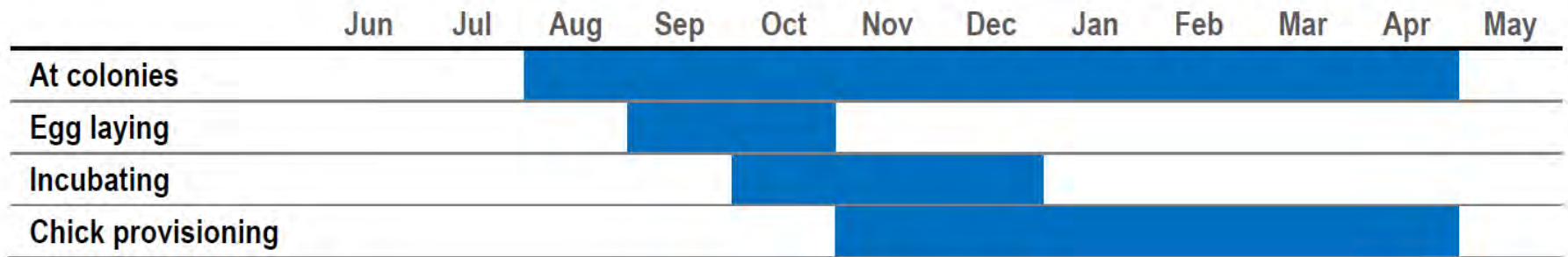
from information in Agreement on the Conservation of Albatrosses and Petrels (2009)



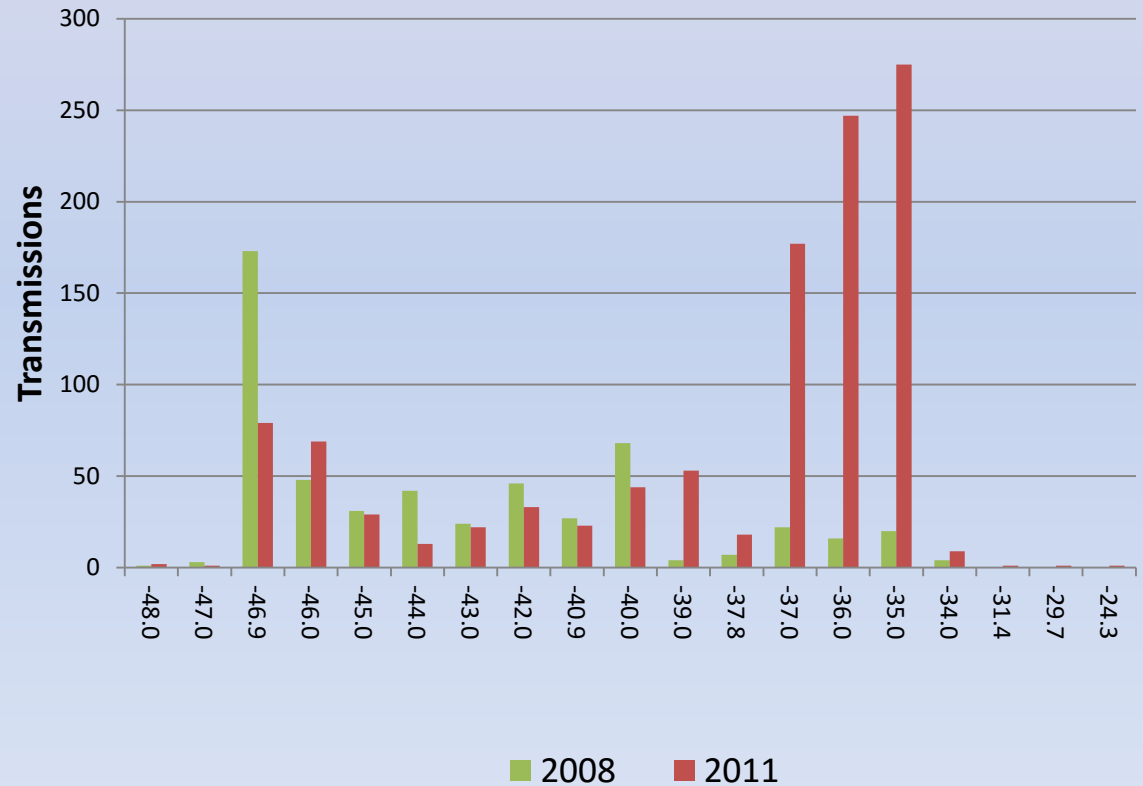
Breeding cycle of Indian Yellow-nosed Albatross

Deployment of trackers in: Dec 2008

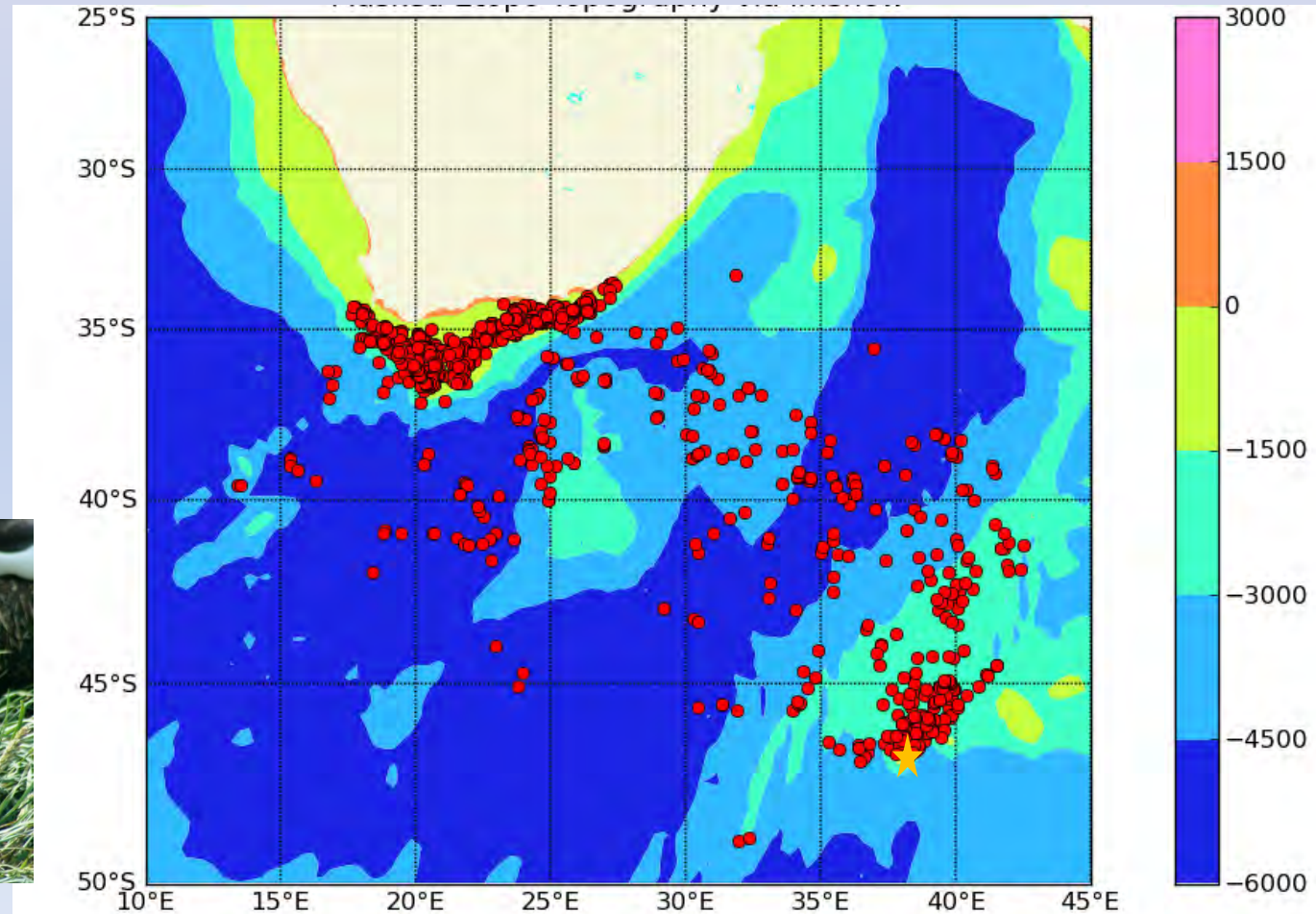
March 2011

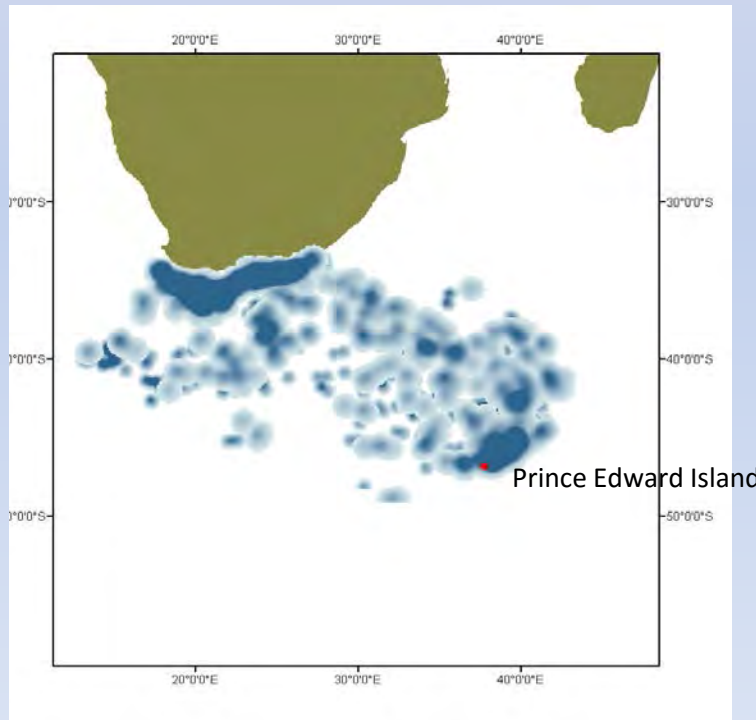
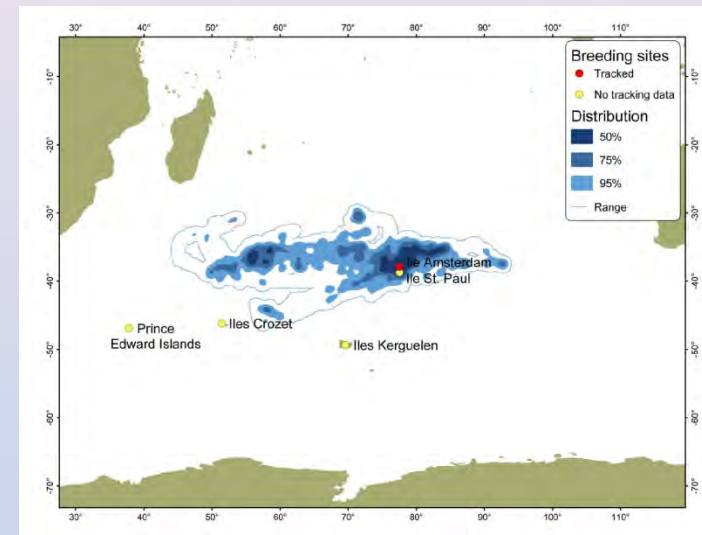
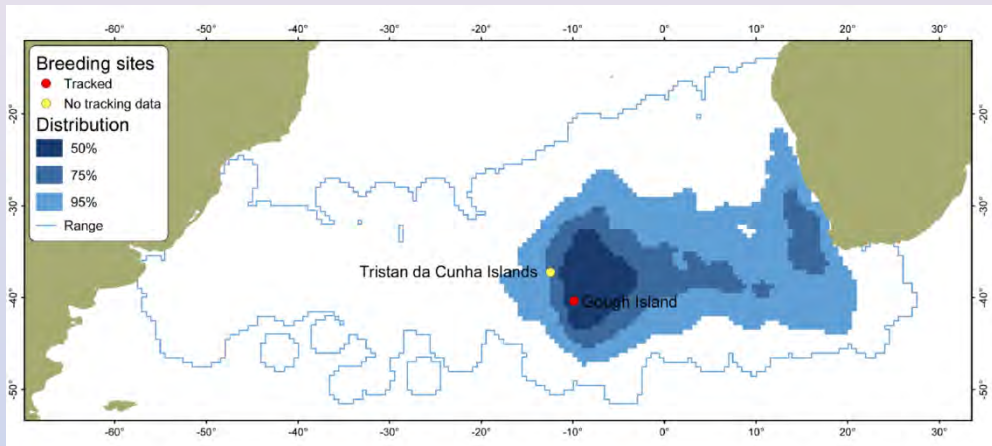


Latitudinal distributions of transmissions for deployments in 2008 (December) and 2011 (March)



Distribution of Indian Yellow-nosed Albatrosses in relation to bathymetry



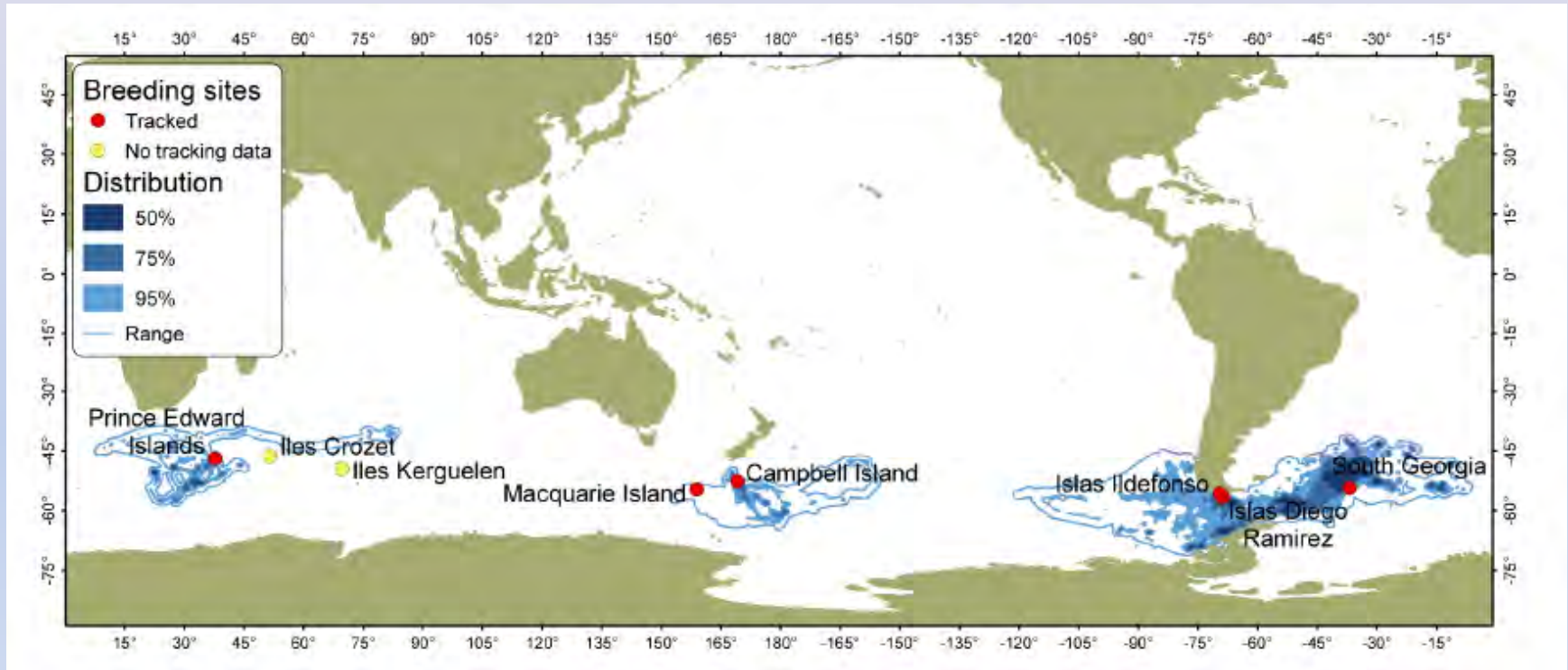


Distributions of Yellow-nosed Albatrosses suggest partitioning of feeding grounds during breeding (information for Gough and Amsterdam islands from Agreement on the Conservation of Albatrosses and Petrels 2009)

Grey-headed Albatross *T. chrystoma*

at-sea distributions of breeders

(from Agreement on the Conservation of Albatrosses and Petrels (2009))

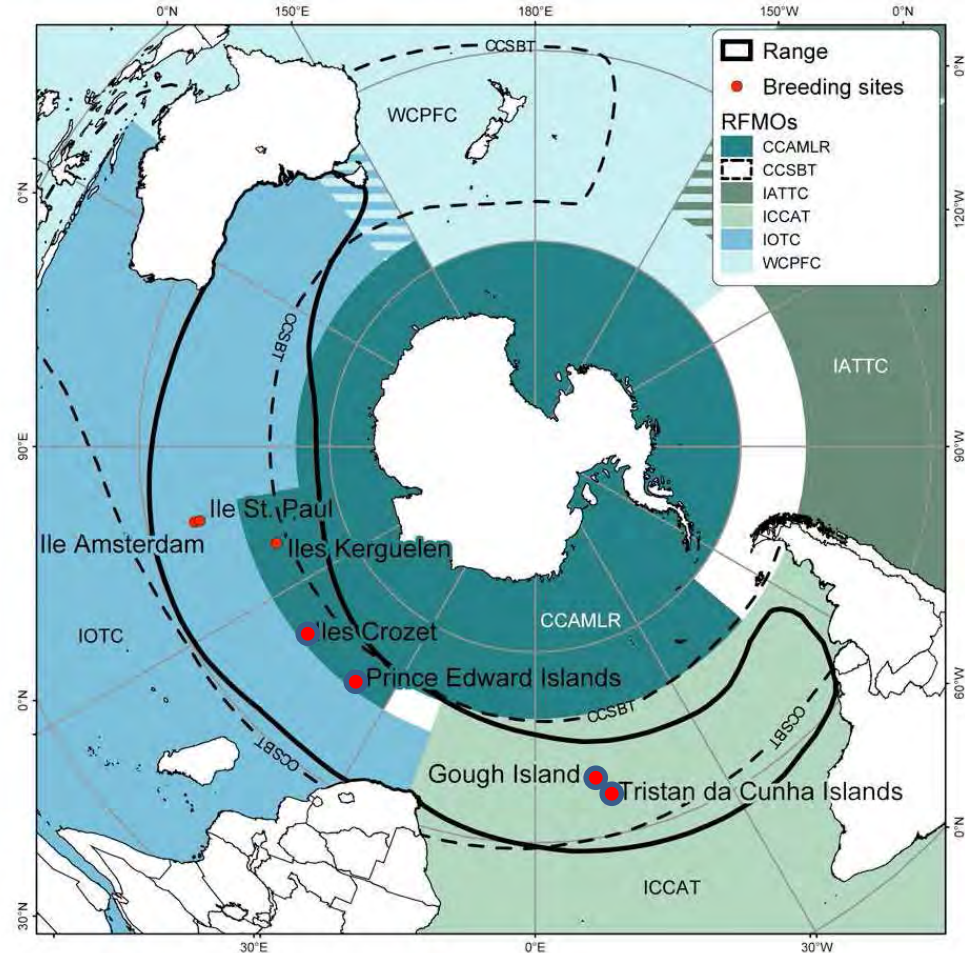


For Marion Island from Nel et al. (2001).
Marion birds feed south of Indian Yellow-nosed Albatrosses from Prince Edward Island

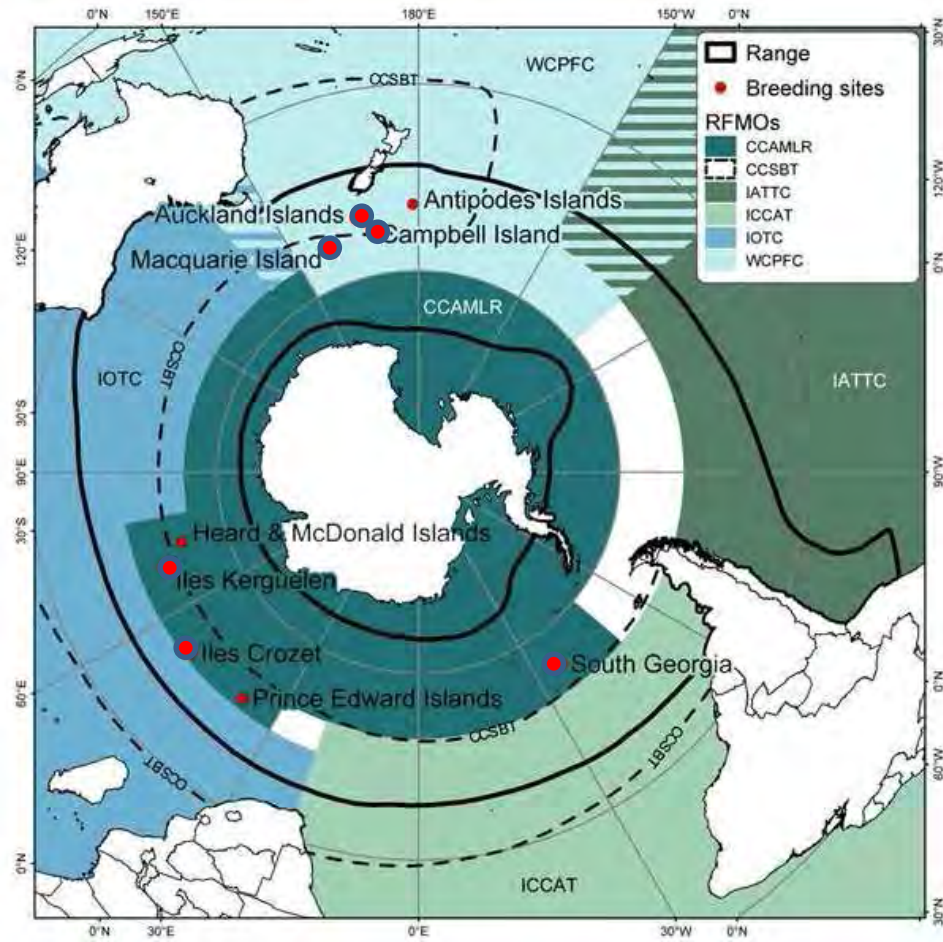


Breeding localities of *Phoebetria* albatrosses

Right: Sooty Albatross *P. fusca*



Left: Light-mantled Albatross *P. palpebrata*



from Agreement on the Conservation of Albatrosses (2009)

Numbers at localities

(north to south) updated from Tickell (2000)
using Agreement on the Conservation of
Albatrosses and Petrels (2009) and Ryan et al.
(2009)



Island group	Degrees S	Sooty Albatross (pairs)	Light-mantled Albatross (pairs)
Tristan da Cunha Islands	37	3188	
Ile Amsterdam	38	474	
Ile St Paul	39	13	
Gough Island	40	5000	
Ile Crozet	46	2095	2298
Prince Edward Islands	47	2800	800
Iles Kerguelen	49	4	4000
Antipodes Islands	50		250
Auckland Islands	51		5000
Campbell Island	53		1600
Heard Island	53		350
South Georgia	54		5000
Macquarie Island	55		1281
Total		13573	20579



Seasonal distribution of transmissions

With thanks to:

BirdLife International. 2010. The Global Procellariiform Tracking Database.

www.seabirdtracking.org

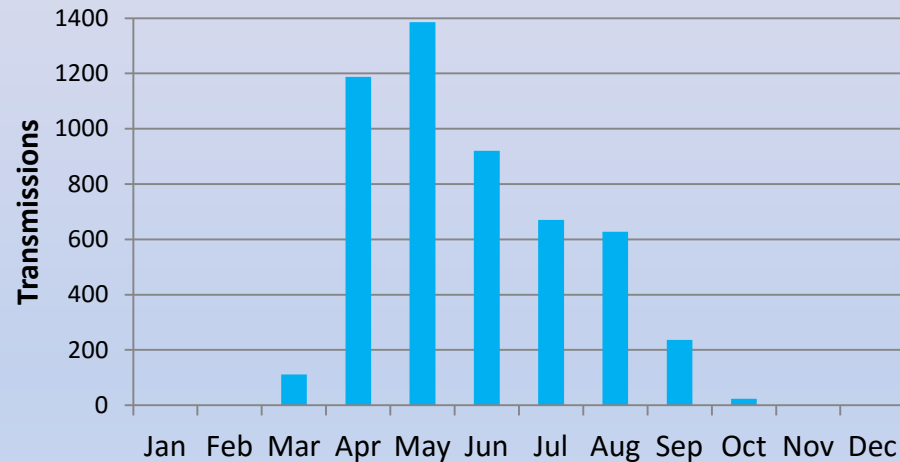
David and Lucille Packard Foundation

	N	Mean duration per bird (days)	Mean number transmissions per bird
Sooty Albatross	11	114 ± 45	474 ± 224
Light-mantled Albatross	9	132 ± 73	846 ± 612

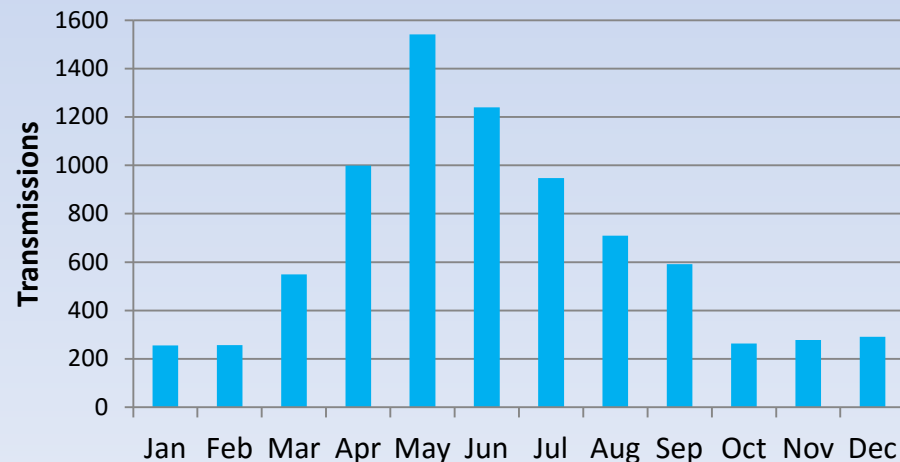


BM Dyer

Sooty Albatross



Light-mantled Albatross

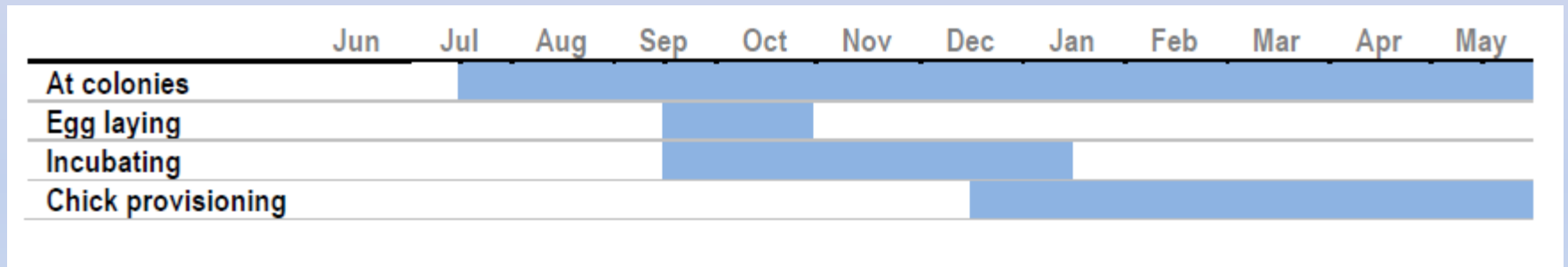


Sooty and Light-mantled Albatrosses

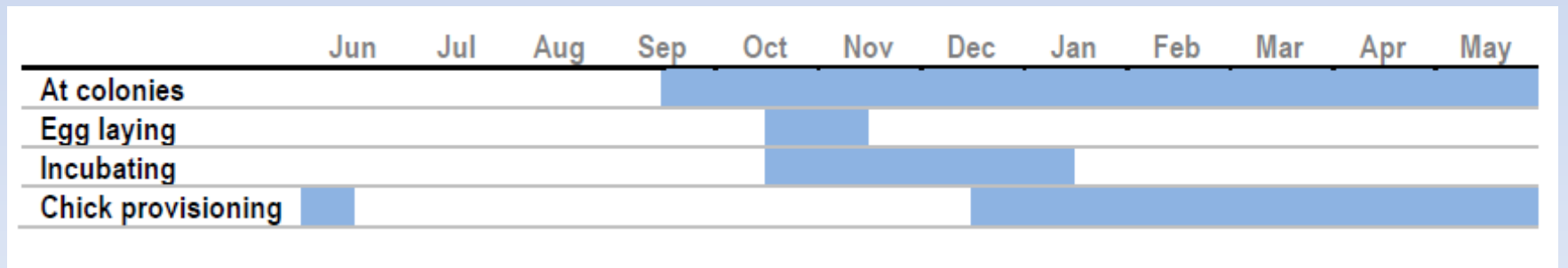
Breeding cycles

From Agreement on the Conservation of Albatrosses and Petrels (2009)

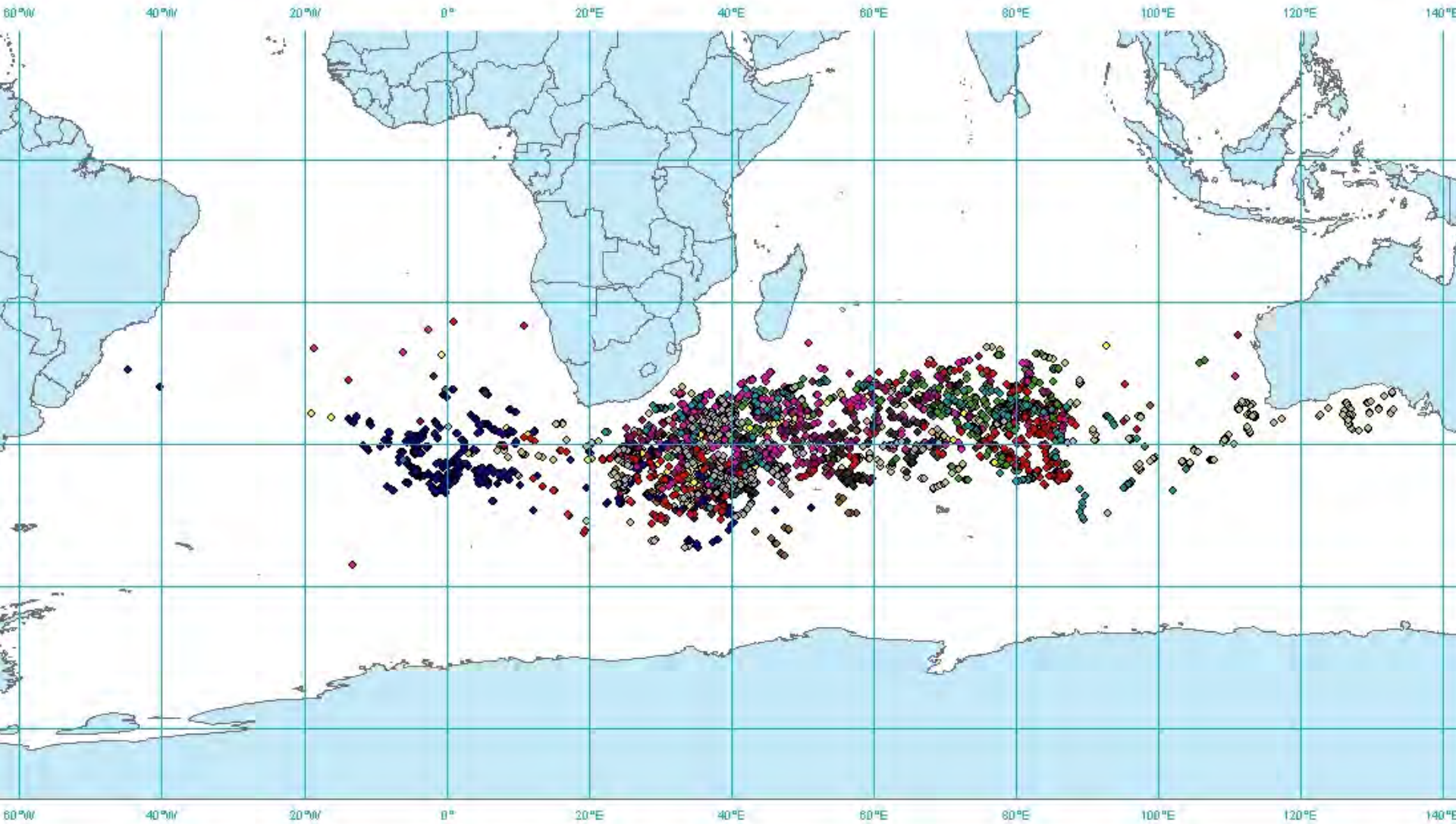
Sooty Albatross



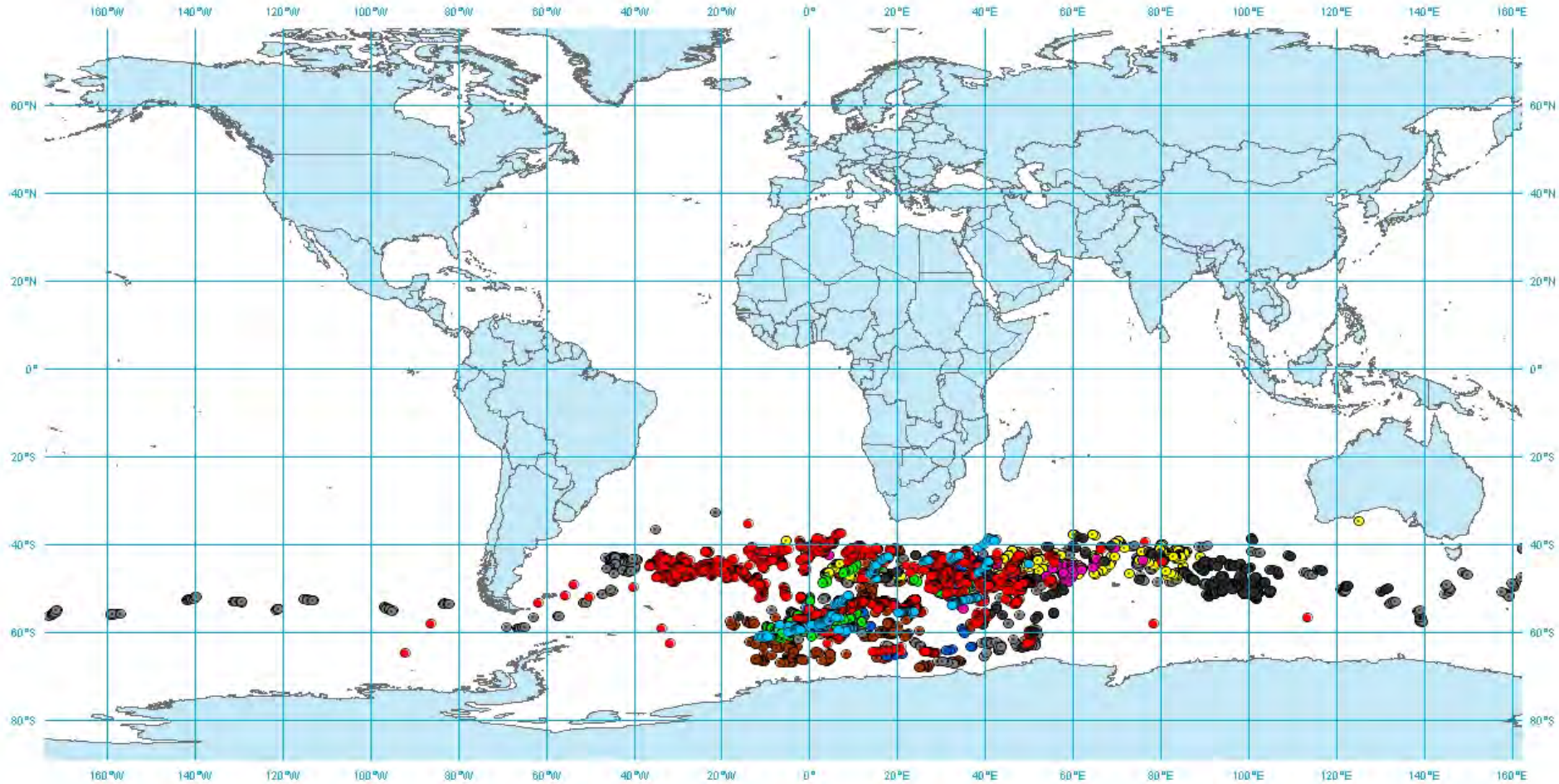
Light-mantled Albatross



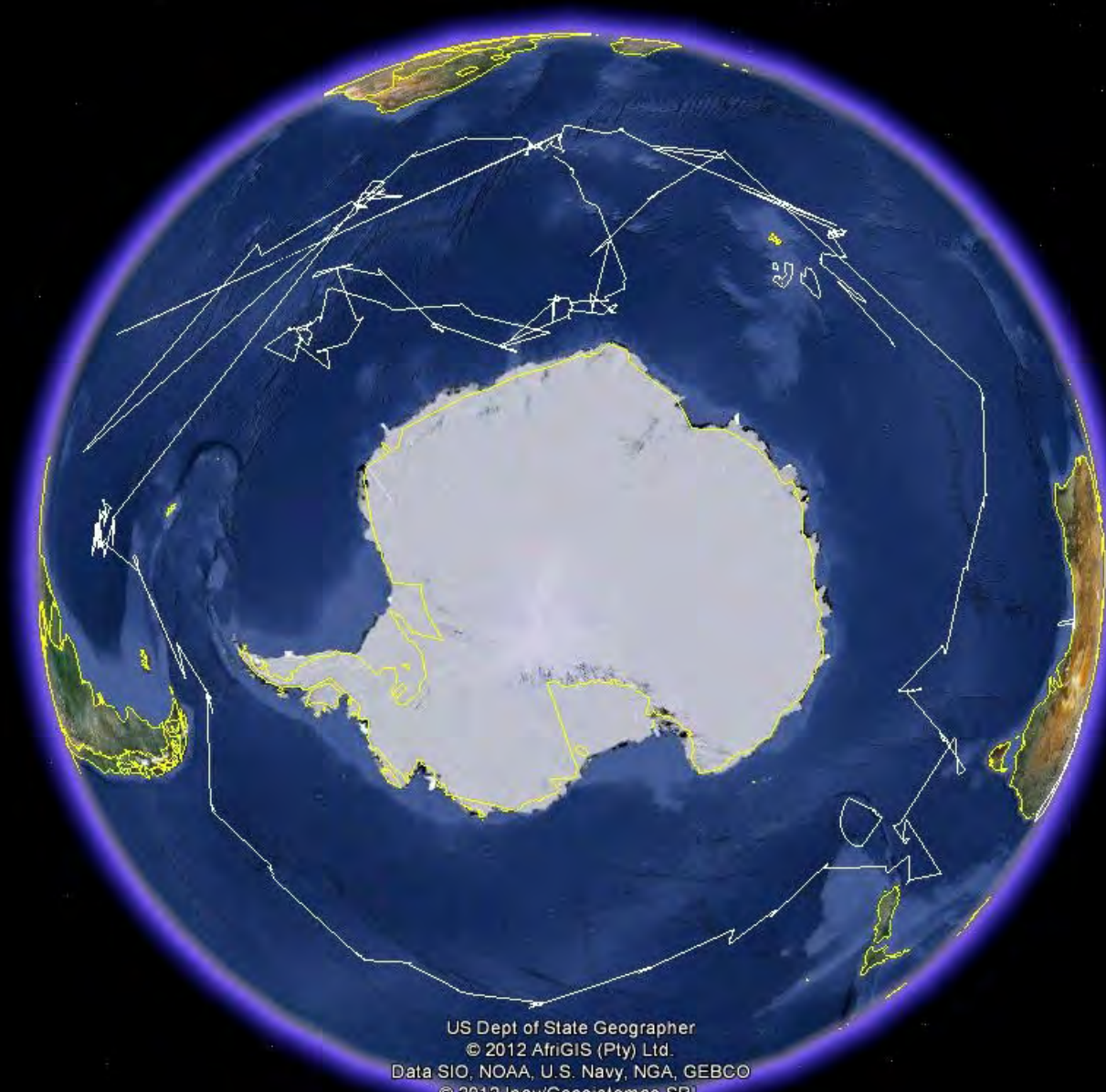
Sooty Albatross



Light-mantled Albatross



Light-mantled Albatross 98026 circumnavigation of Antarctica



US Dept of State Geographer
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO
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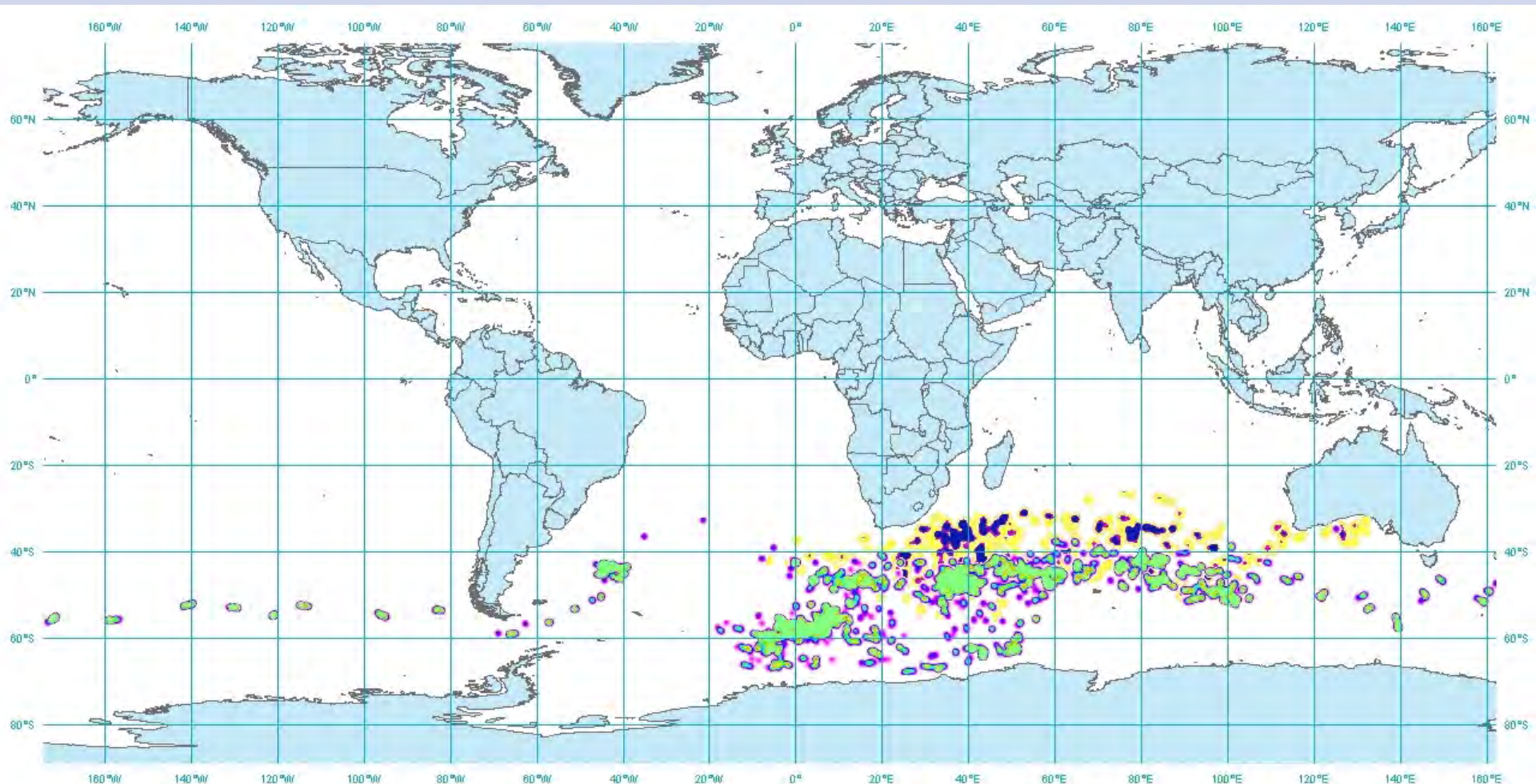
84° 26.973' S 68° 15.667' E elev 1700 m

Google earth

Eye alt 15198.02 km

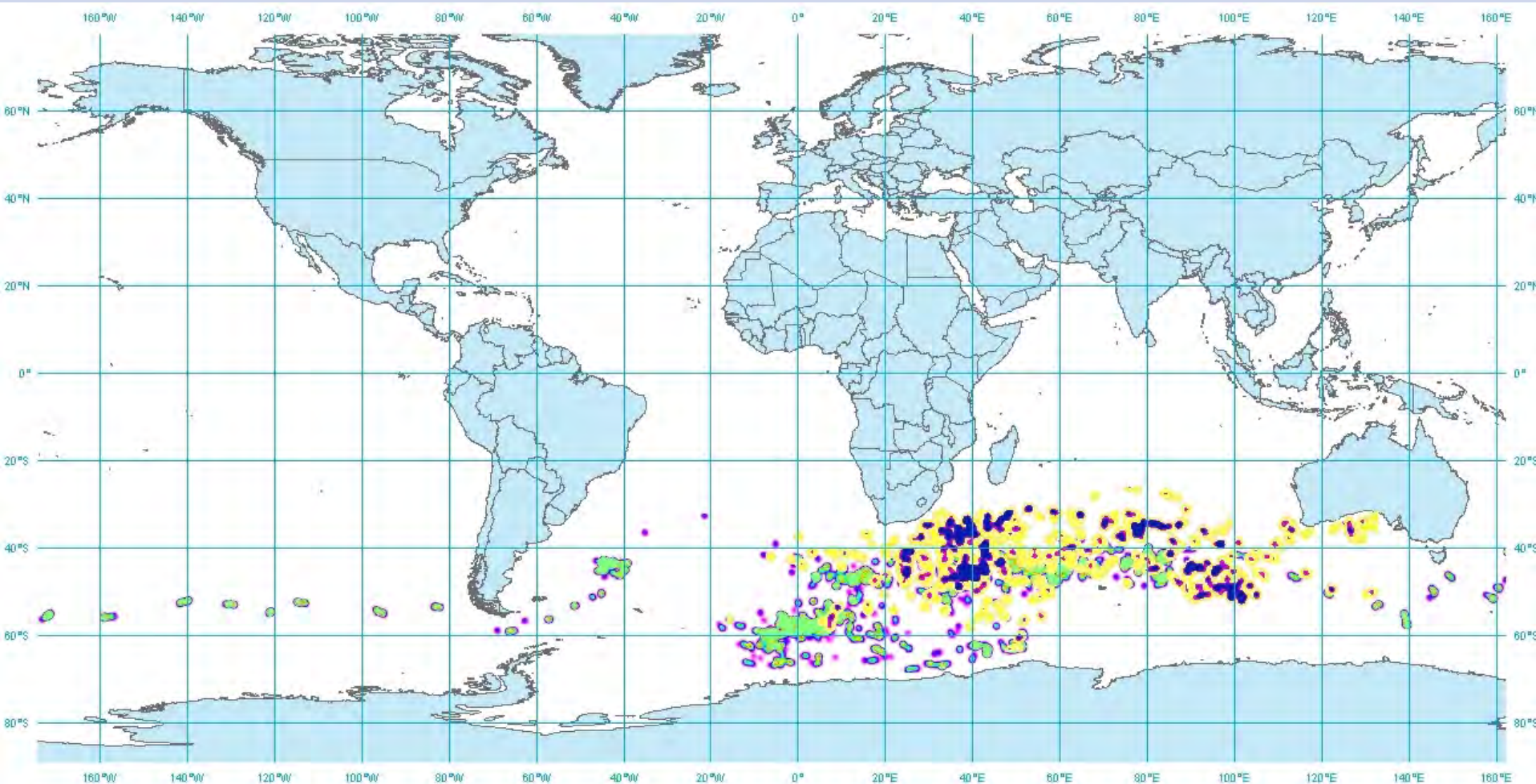
Sooty and Light-mantled Albatrosses from Prince Edward Islands

kernel densities of probabilities Sooty Albatross yellow to blue; Light-mantled Albatross purple to green



Sooty and Light-mantled Albatrosses from Prince Edward Islands

kernel densities of probabilities Sooty Albatross yellow to blue; Light-mantled Albatross purple to green



Distribution of effort in the Taiwanese tuna longline fleets, 2002–2008

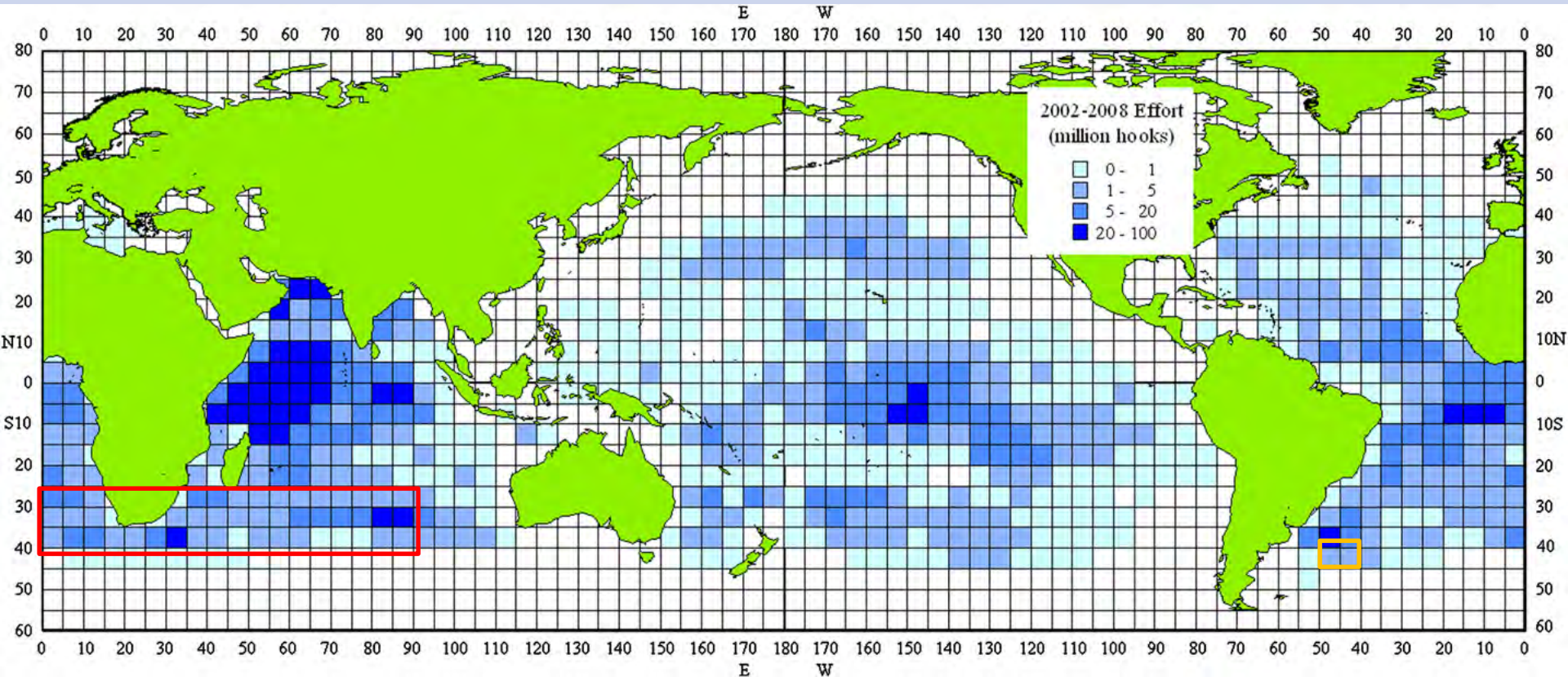
from Huang (2011)



overlap of distribution of adult Light-mantled Albatross



overlap of distribution of adult Sooty Albatross

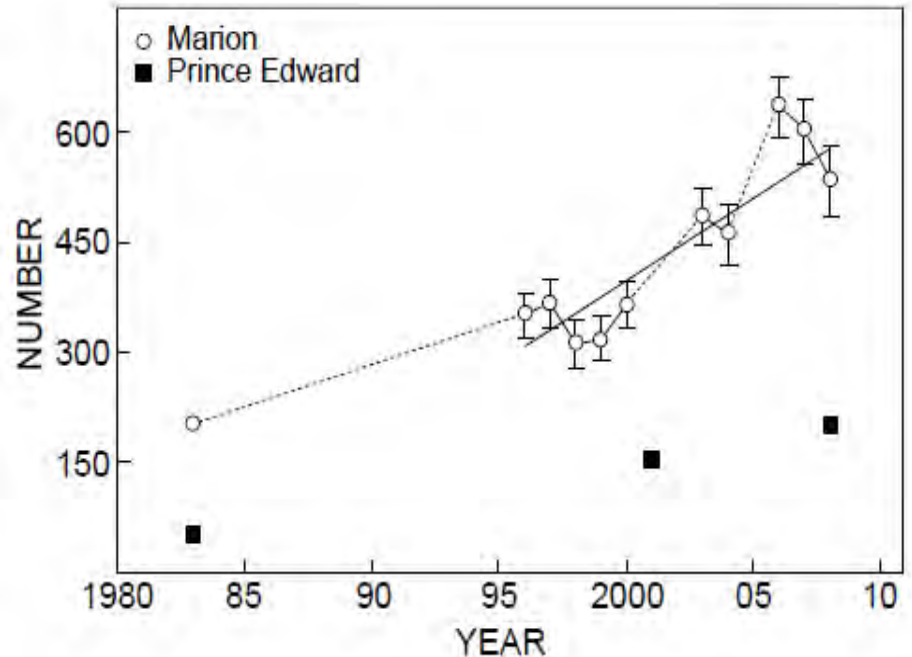
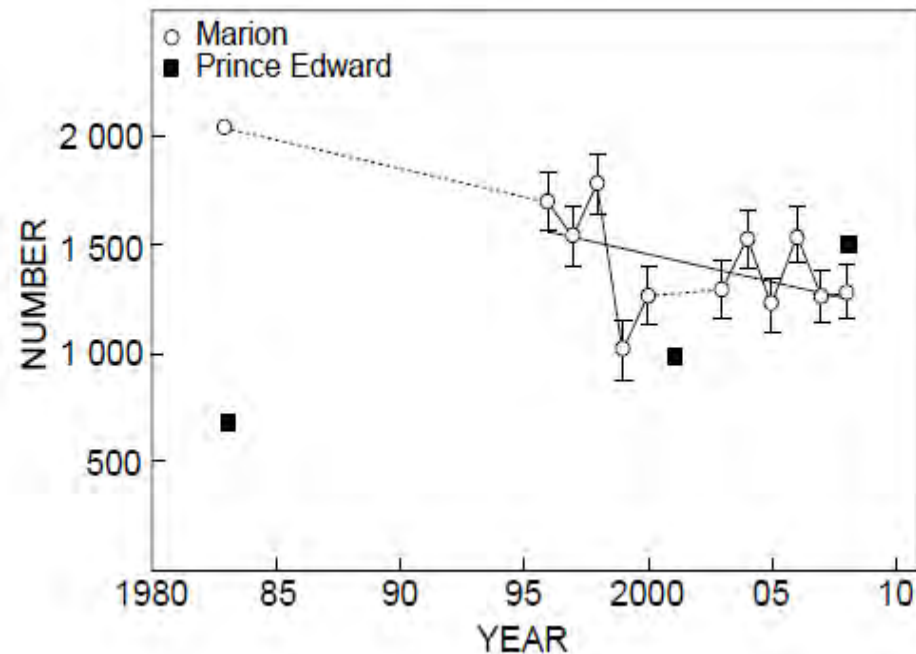


Trends in populations at Marion Island

Ryan et al. (2009)

Sooty Albatross
Marion: - 2% p.a. since 1996

Light-mantled Albatross
Marion: + 6% p.a. since 1996



Thank you



BM Dyer