



**Distribution of albatrosses
in the IATTC Convention
Area: results from the
Global Procellariiform
Tracking Database**

BirdLife International

THE BIRDLIFE INTERNATIONAL PARTNERSHIP



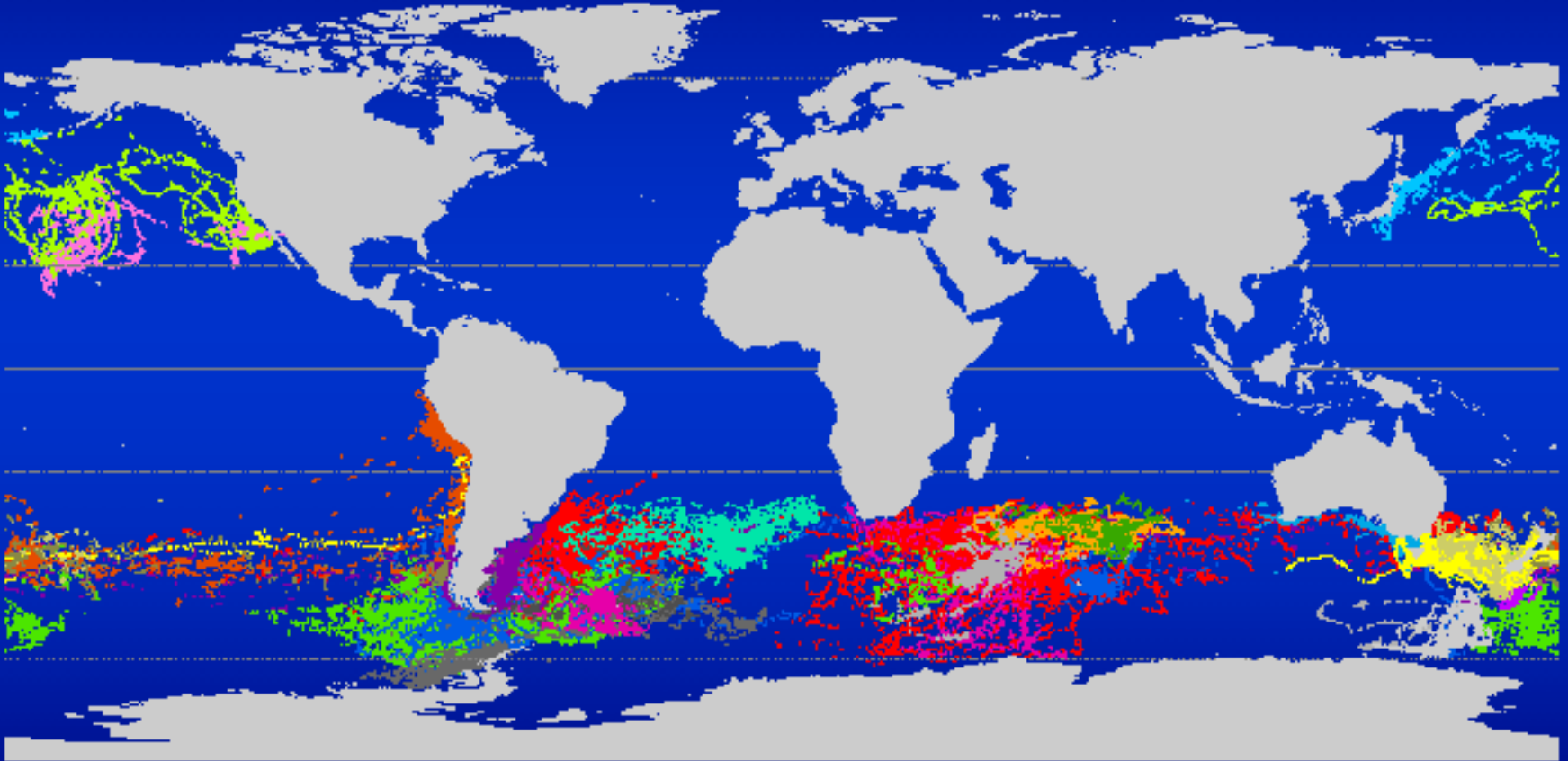


BirdLife International

**Global Seabird
Programme**

S A V I N G S E A S F O R S E A B I R D S

Global Procellariiform Tracking Database



Albatross and petrel satellite tracking locations in the database in 2004

Data contributors

PTT Data Contributors:

Wandering, Blackbrowed, Sooty Albatross and Whitechinned Petrel (Crozet and Kerguelen Islands), Blackbrowed, Greyheaded and Southern Royal Albatross (Campbell Island), Lightmantled Albatross (Crozet Islands, Macquarie Island), Indian Yellow-nosed and Amsterdam Albatross (Amsterdam Island):

Henri Weimerskirch, Centre d'Etudes Biologiques de Chizé, (CNRS UPR 1934), France
Support from Institut Paul-Emile Victor (IPEV - programme 109)

Blackbrowed, Greyheaded and Wandering Albatross, Southern and Northern Giant Petrel and Whitechinned Petrel (South Georgia):

John Croxall, Richard Phillips, Jacob Gonzalez-Solis & Andy Wood, British Antarctic Survey, Natural Environment Research Council

Blackbrowed and Greyheaded Albatross (Chile):

Graham Robertson, Australian Antarctic Division
Javier Arata, Instituto de Ecología y Evolución, Universidad Austral de Chile
Instituto Antartico Chileno

Blackfooted and Laysan Albatross (Hawaii):

Yann Tremblay¹, Scott A. Shaffer¹, Jill Awkerman², Dan P. Costa¹ & Dave J. Anderson²

¹Department of Ecology and Evolutionary Biology, University of California Santa Cruz

²Department of Biology, Wake Forest University
Support from Tagging of Pacific Pelagics (TOPP) and U.S. Fish & Wildlife Service, Honolulu

Laysan Albatross (Mexico):

Bill Henry, Don A. Croll & Scott A. Shaffer
Dept. of Ecology and Evolutionary Biology, University of California Santa Cruz
Support from Island Conservation Ecology Group (ICEG) and Tagging of Pacific Pelagics (TOPP)

Shy Albatross (Tasmania), Greyheaded, Blackbrowed and Lightmantled Albatross (Macquarie Island):

Nigel Brothers, April Hedd, Rosemary Gales & Aleks Terauds, Department of Primary Industries, Water and Environment (DPIWE), Tasmania

Blackbrowed Albatross (Falklands):

Nic Huin, Falklands Conservation

Chatham Albatross (New Zealand)

D.G. Nicholls, M.D. Murray & C.J.R. Robertson.
Support from WWF, Ian Potter Foundation, Chisholm Institute, La Trobe University, Department of Conservation, David Bell, Hans Rook

Chatham Albatross (New Zealand)

C.J.R. Robertson, Department of Conservation New Zealand, D.G. Nicholls and M.D. Murray.
Support from Department of Conservation – Conservation Services Program, David Bell

Northern Royal Albatross (New Zealand):

C.J.R. Robertson, D.G. Nicholls & M.D. Murray.
Support from Ian Potter Foundation, WWF Australia, Department of Conservation, David and Mike Bell, Isobel Burns, Sandra McGrouther

Wandering and Greyheaded Albatross (Marion Island):

Deon Nel & Peter Ryan, Percy FitzPatrick Institute, University of Cape Town, South Africa

Blackfooted Albatross (USA):

David Hyrenbach, Scripps Institution of Oceanography, University of California San Diego, USA

Antipodean and Gibson's Albatross (New Zealand)

D.G. Nicholls, M.D. Murray & E.C. Butcher.
Support from Kath Walker, Graeme Elliott, WWF Australia

Antipodean and Gibson's Albatross (New Zealand)

D.G. Nicholls, M.D. Murray, E.C. Butcher, Kath Walker
Graeme Elliott & Department of Conservation New Zealand.
Support from Peter Dilks, Andy Cox, Southland Conservancy, Department of Conservation New Zealand

Wandering Albatross (Australia):

D.G. Nicholls, M.D. Murray & E.C. Butcher.
Support from La Trobe University, Australian Research Council, Ian Potter Foundation, W V West Estate, WWF Australia, Chisholm Institute, Dandenong, SOSSA, Dick Smith Foundation, Environment Australia

Tristan Albatross (Gough):

Richard Cuthbert, Royal Society for the Protection of Birds, UK;
Percy FitzPatrick Institute, University of Cape Town, South Africa

Short-tailed Albatross (Japan):

Rob Suryan, Hatfield Marine Science Center, Oregon State University
Greg Balogh, U.S. Fish & Wildlife Service
Kiyooki Ozaki and Fumio Sato, Yamashina Institute for Ornithology; Shiho Kanie, Nature Conservation Bureau, Ministry of Environment, Japan

Southern Giant Petrel (Antarctic Peninsula):

Donna Patterson & William Fraser, Polar Oceans Research Group, USA

Southern Giant Petrel (Argentina):

Flavio Quintana, Centro Nacional Patagonico, Argentina

Buller's Albatross (New Zealand):

Jean-Claude Stahl, Museum of New Zealand Te Papa Tongarewa
Paul Sagar, National Institute of Water and Atmospheric Research

Westland Petrel:

Amanda Freeman, K-K Wilson, Lincoln University; J.A. Bartle, Museum of New Zealand; D.G. Nicholls.

Waved Albatross (Galapagos Is):

Dave Anderson, Jill Awkerman, Wake Forest University, USA.

Short-tailed Shearwater (Australia):

Nicholoas .Klomp, M.Schultz, Charles Stuart University, Australia; D.G. Nicholls

GLS Data Contributors:

Blackbrowed Albatross (Chile):

John Croxall, Janet Silk, British Antarctic Survey
Javier Arata, Universidad Austral de Chile

Blackbrowed Albatross (Falklands):

Nic Huin, Falklands Conservation
John Croxall, British Antarctic Survey

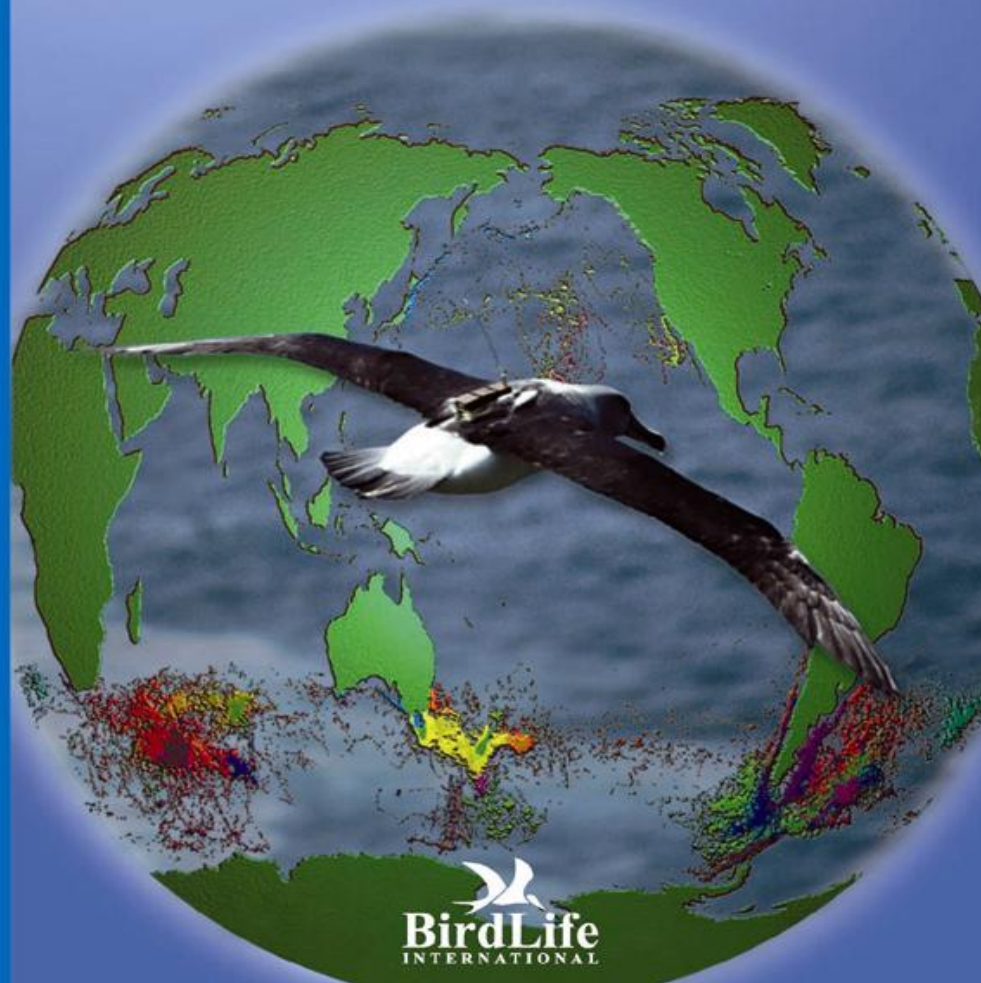
Blackbrowed and Greyheaded Albatross (South Georgia)

John Croxall, Richard Phillips, Janet Silk & Dirk Briggs
British Antarctic Survey

TRACKING OCEAN WANDERERS

The global distribution of albatrosses and petrels

Results from the Global Procellariiform Tracking Workshop,
1–5 September, 2003, Gordon's Bay, South Africa



Breeding & Non-breeding data

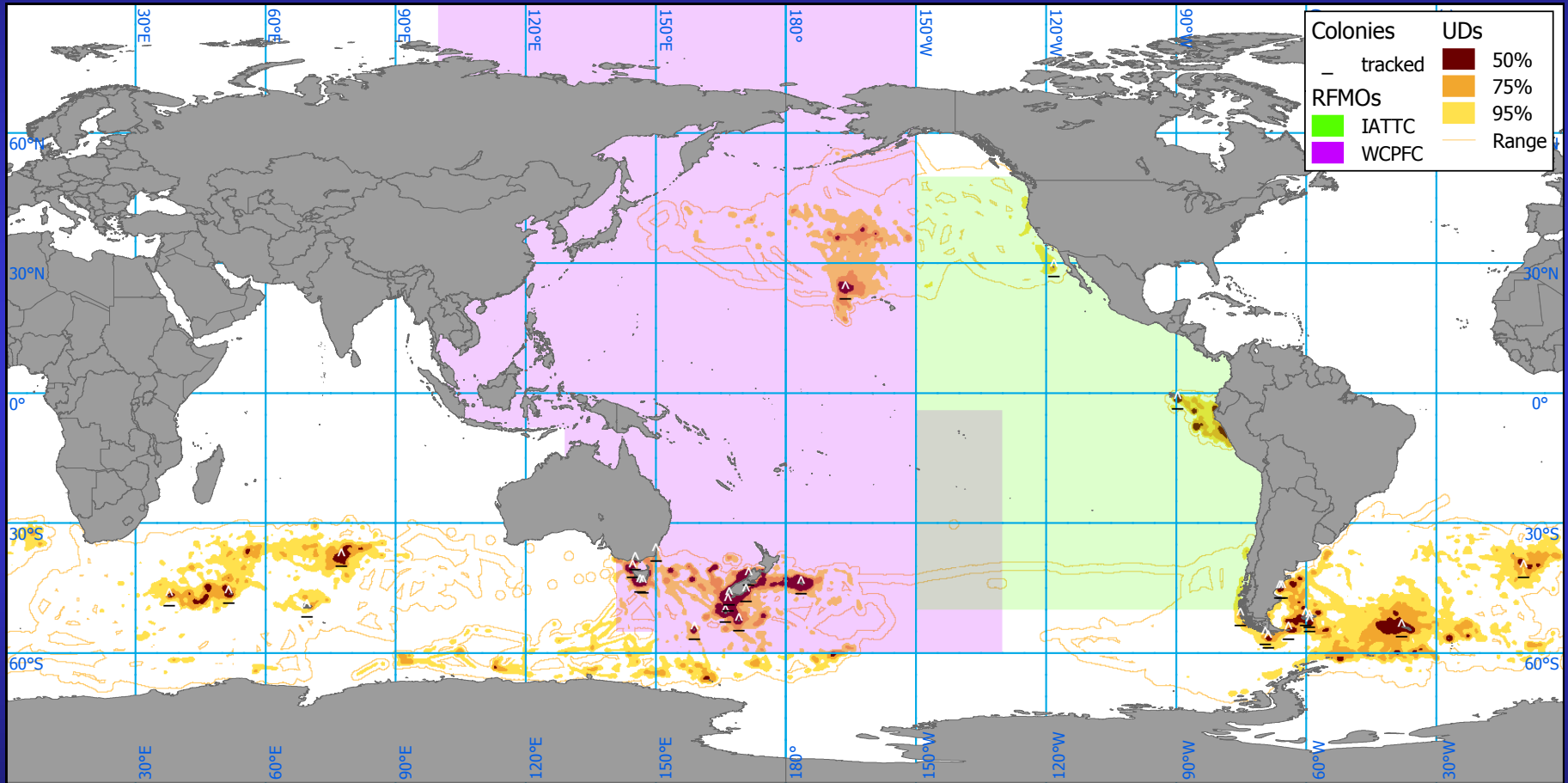
BREEDING

- Central-place foragers (esp. when chicks are young)
- Lasts 6-12 months per year

NON-BREEDING

- Less tied to breeding sites
- Variety of types of non-breeding
(Non-breeding season, juveniles, non-breeders)
- All year
- Fewer non-breeding data

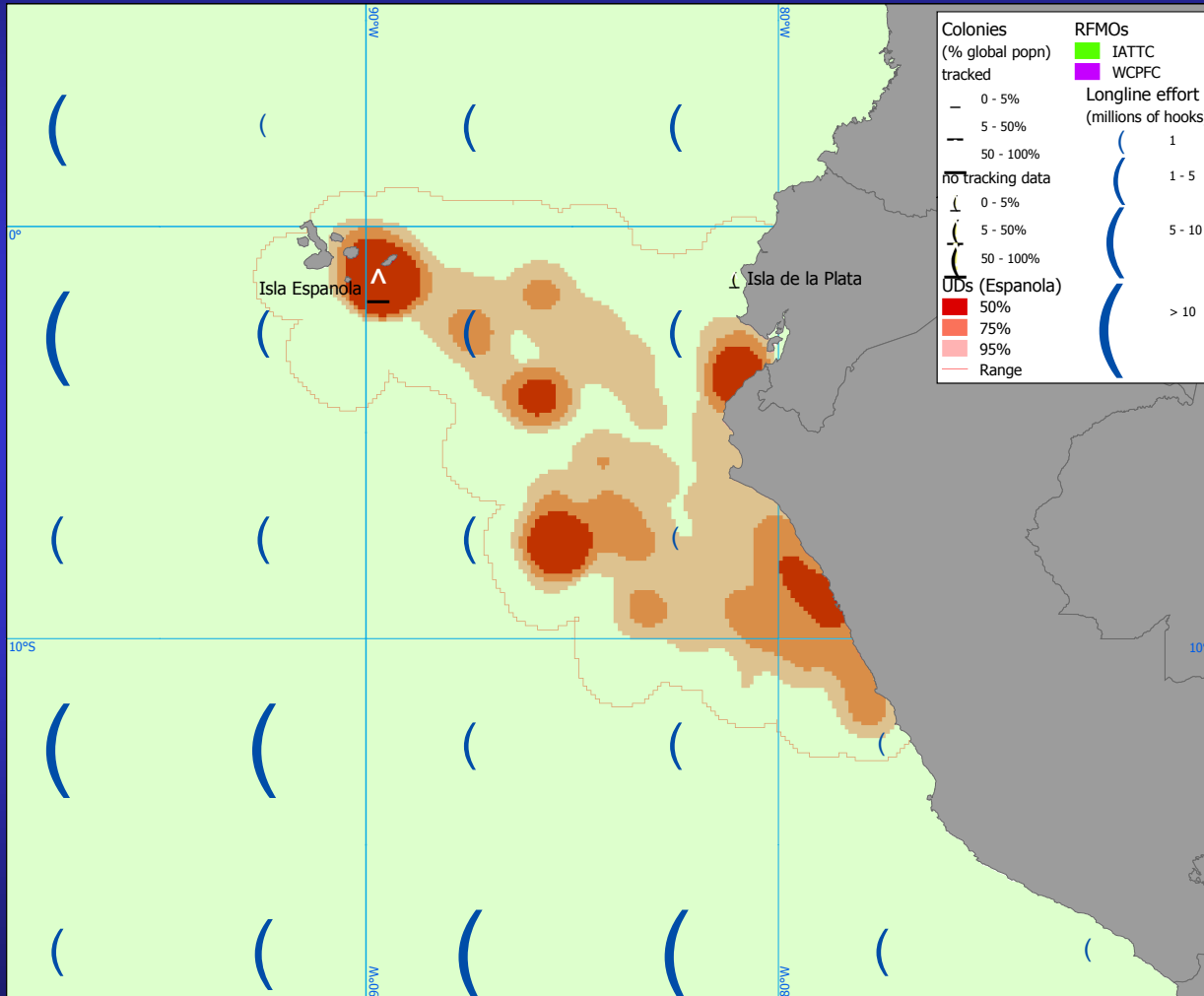
Breeding distribution of albatrosses and petrels



BREEDING DISTRIBUTION



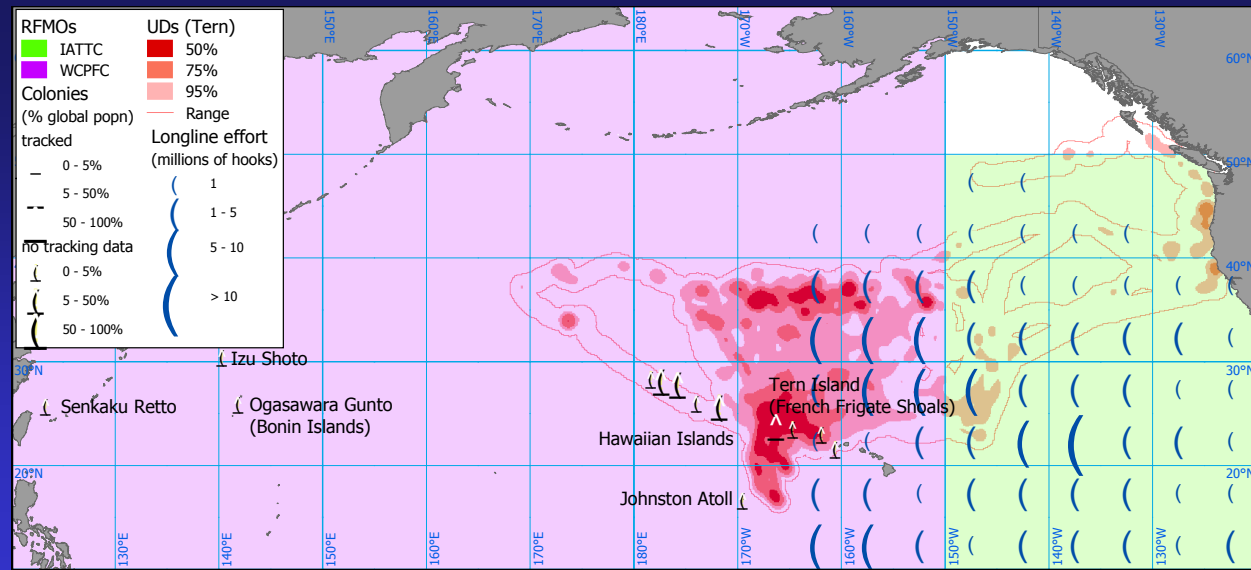
BREEDING: Waved Albatross



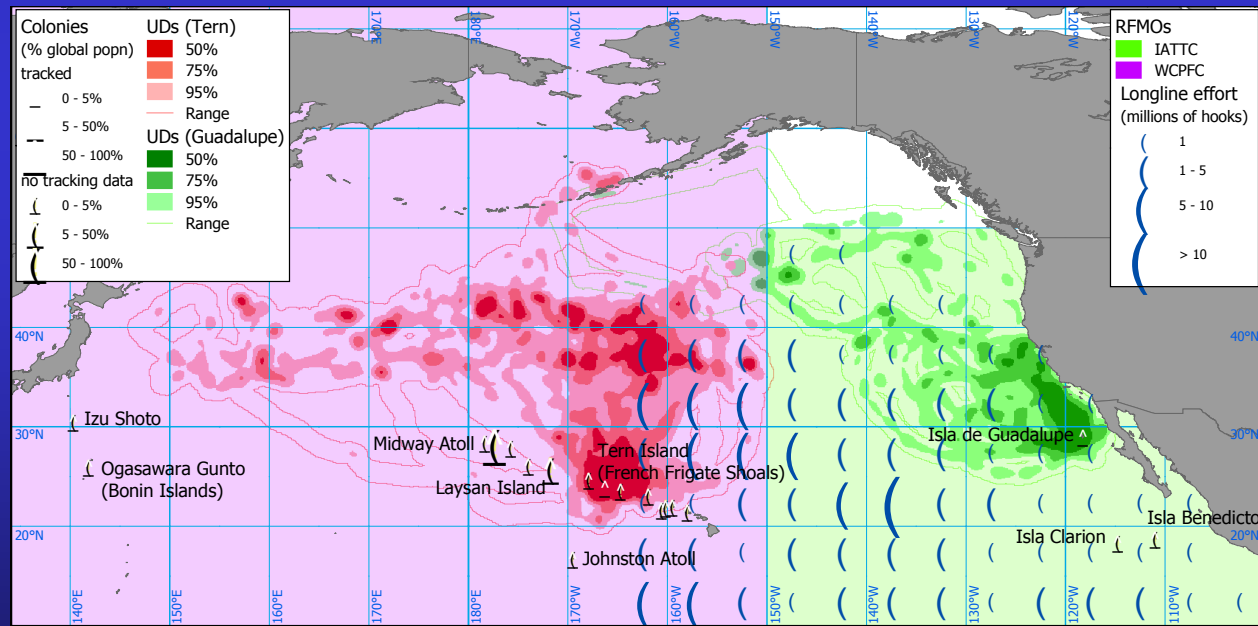
Data from Dave Anderson, Jill Awkerman, Wake Forest University

BREEDING:

Black-footed Albatross (6%)



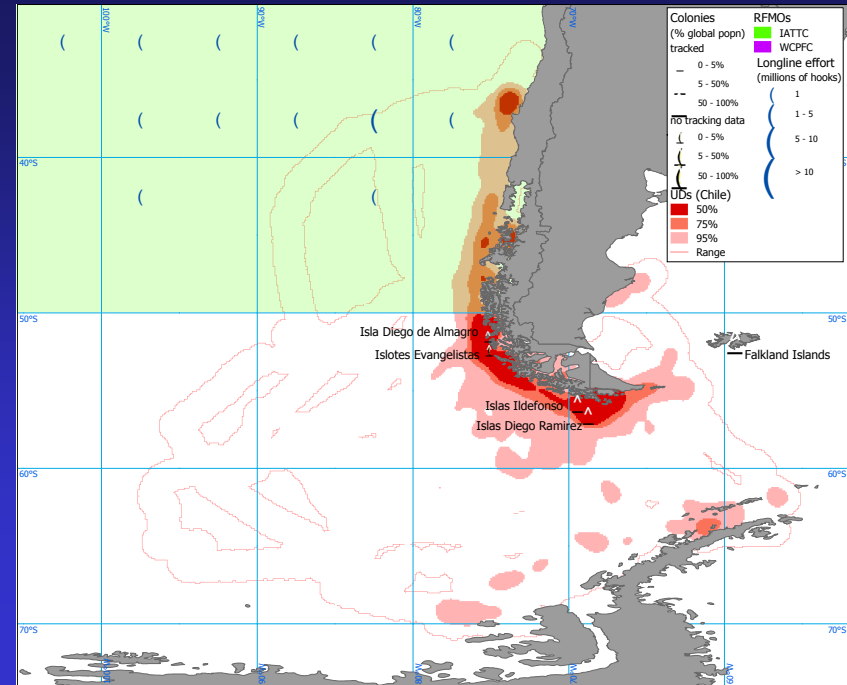
Laysan Albatross 95% of Isla de Guadalupe pop. (1% overall)



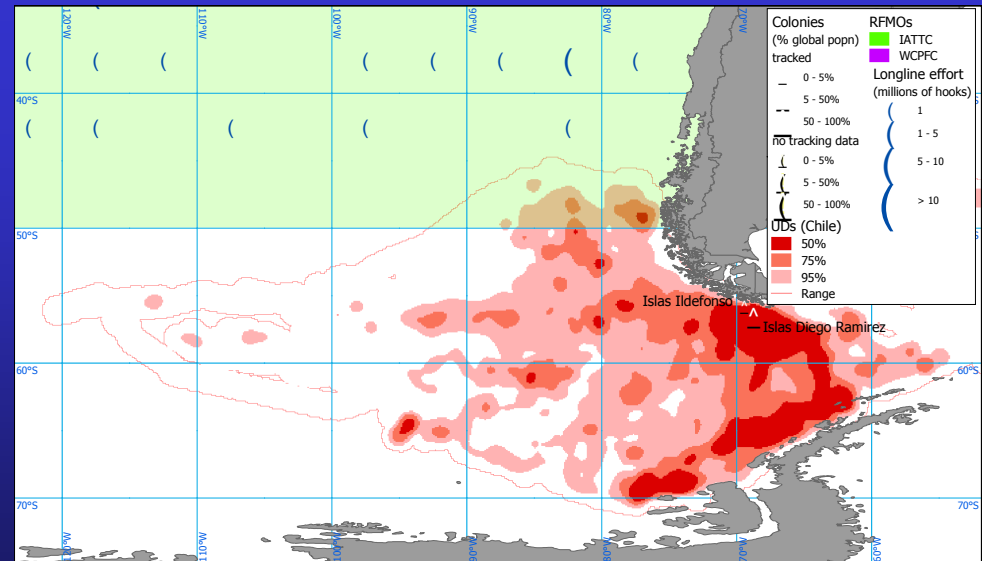
Data from: Tagging of Pacific Pelagics; David Hyrenbach, Scripps; Scott Shaffer, Dan Costa, Yann Tremblay, Bill Henry, Don Croll, UC Santa Cruz; Dave Anderson, Jill Awkerman, WFU.

BREEDING:

**Black-browed
Albatross, Chile
(19%)**



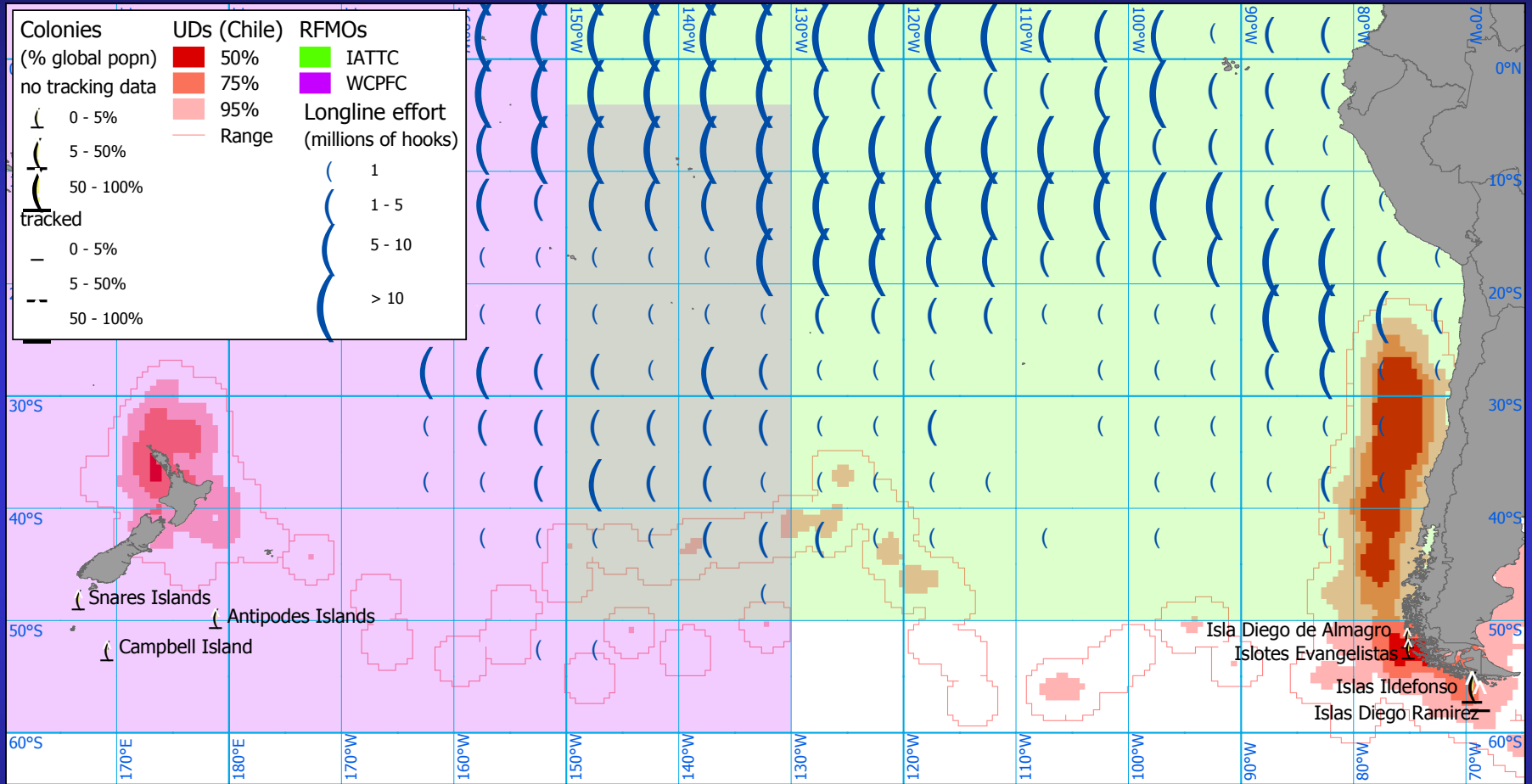
**Grey-headed
Albatross, Chile
(3%)**



NON-BREEDING DISTRIBUTION



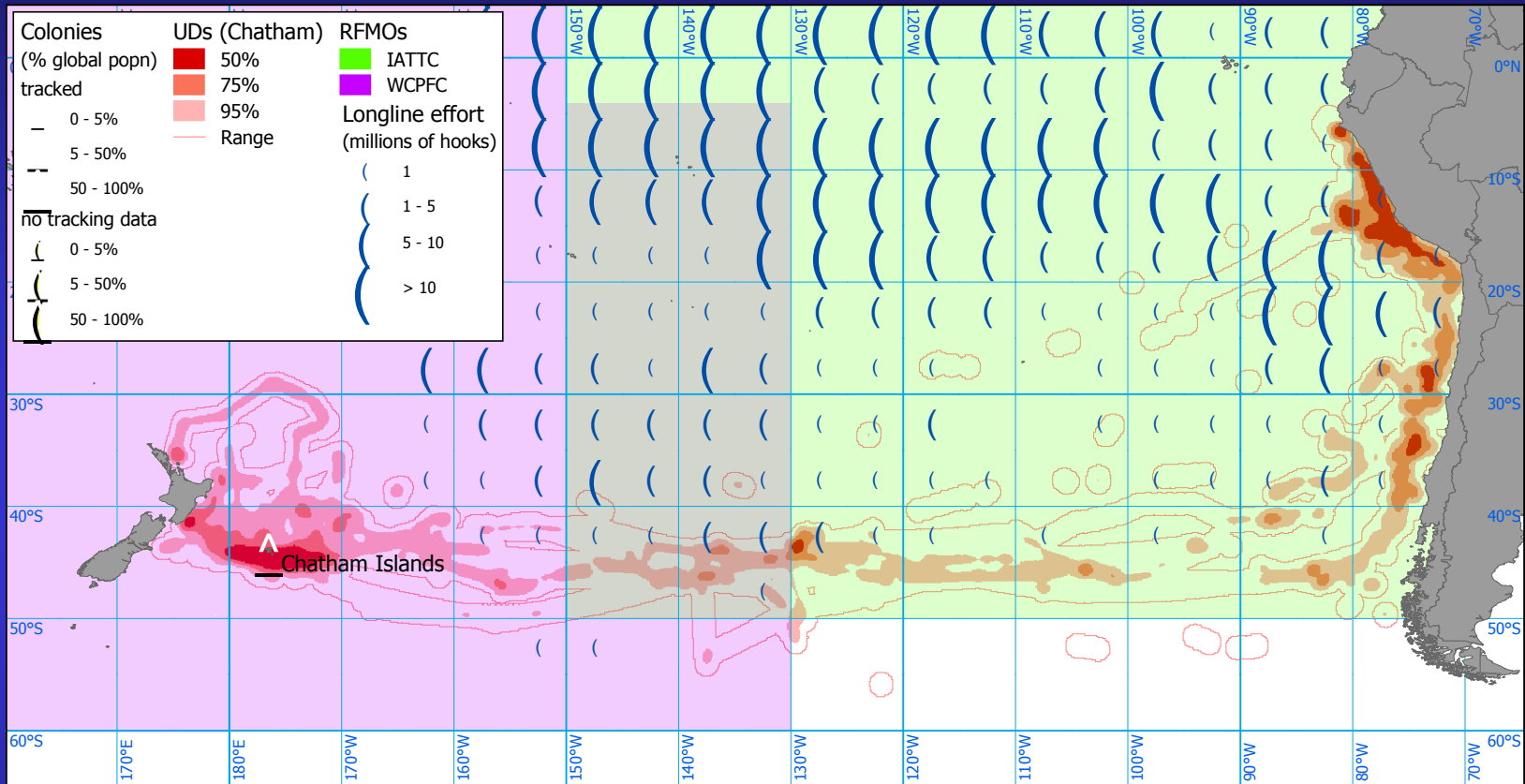
NON-BREEDING:



Black-browed Albatross, Chile (65%)

Data from John Croxall, Janet Silk, British Antarctic Survey & Javier Arata, Universidad Austral de Chile

NON-BREEDING:



Chatham Albatross (54%)

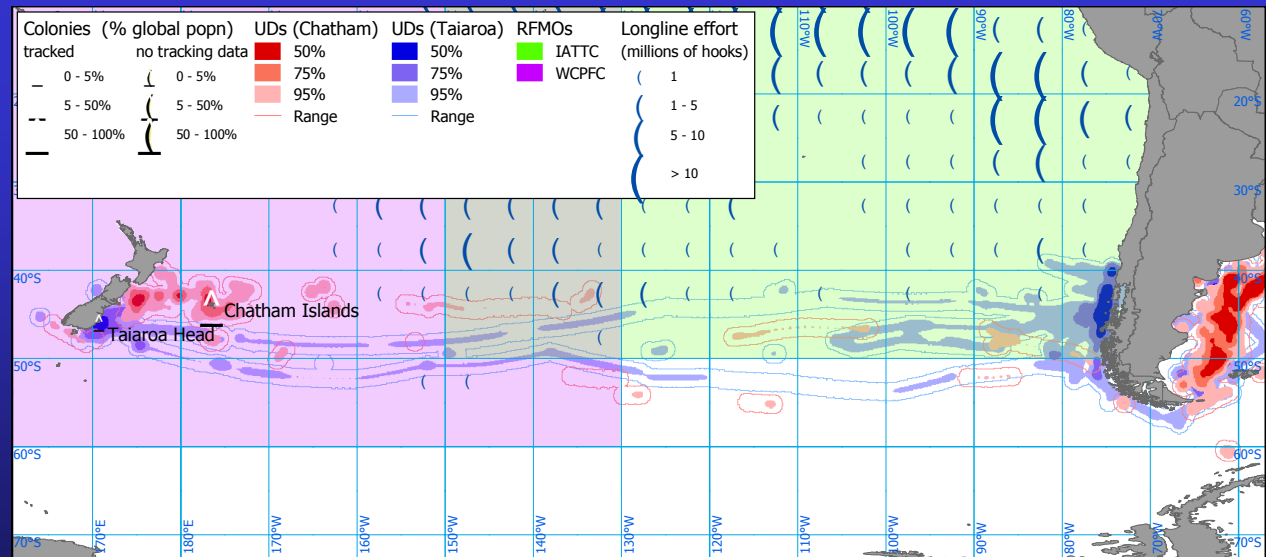
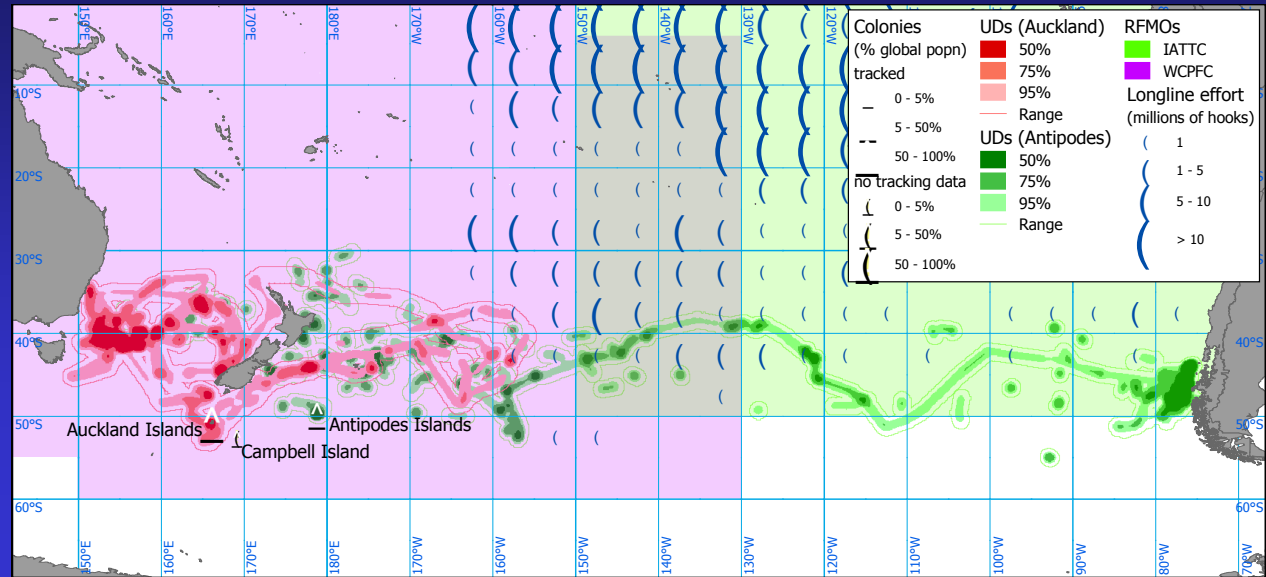
75% non-breeding distribution in EEZs

No data for Salvin's or Buller's Albatross

NON-BREEDING:

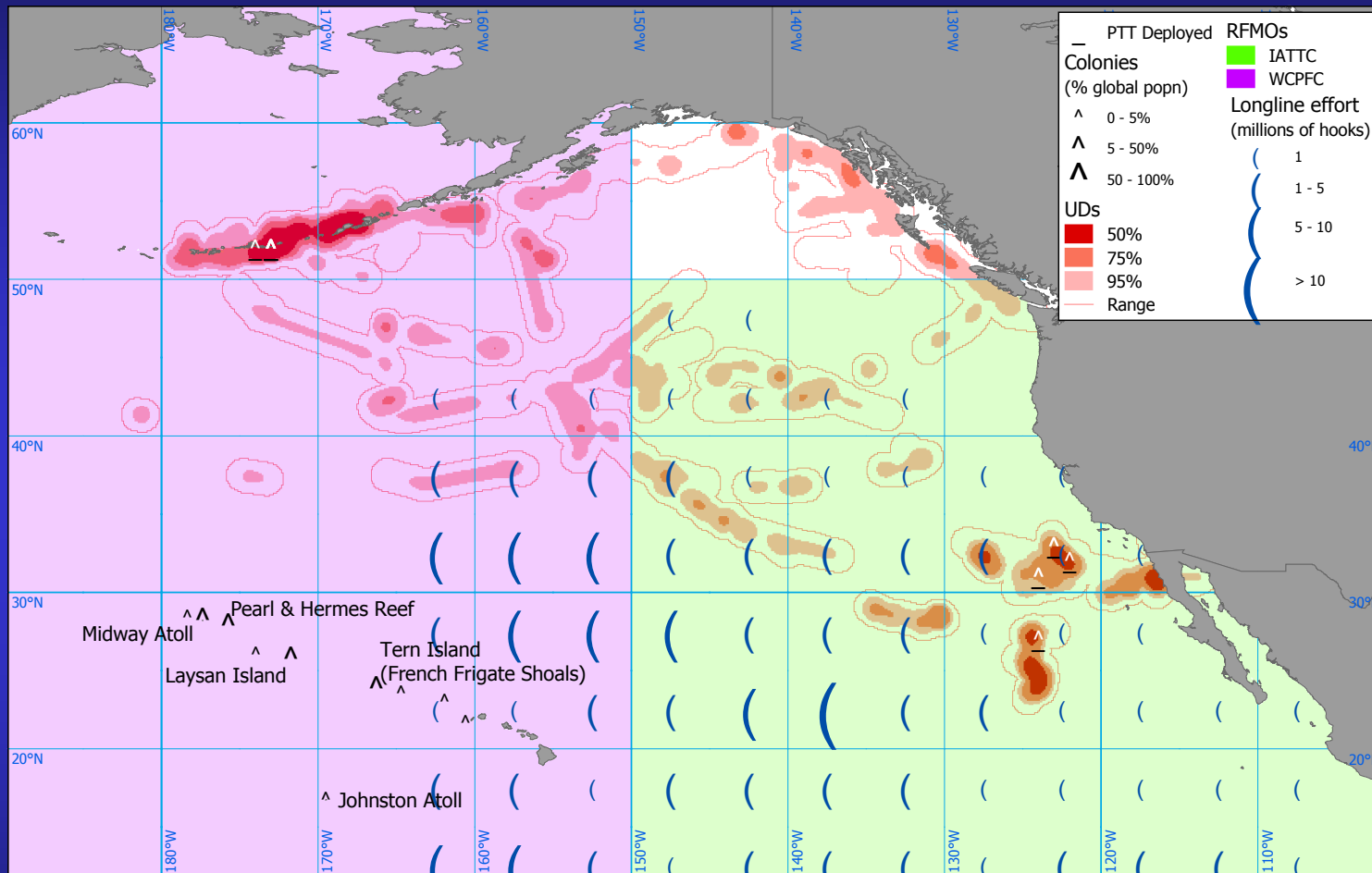
Antipodean Albatross (60%)

**Northern Royal Albatross (3% overall)
56% Tairaroa head pop.**



Data from C. Robertson, D. Nicholls, M.D. Murray, E.C. Butcher

NON-BREEDING:

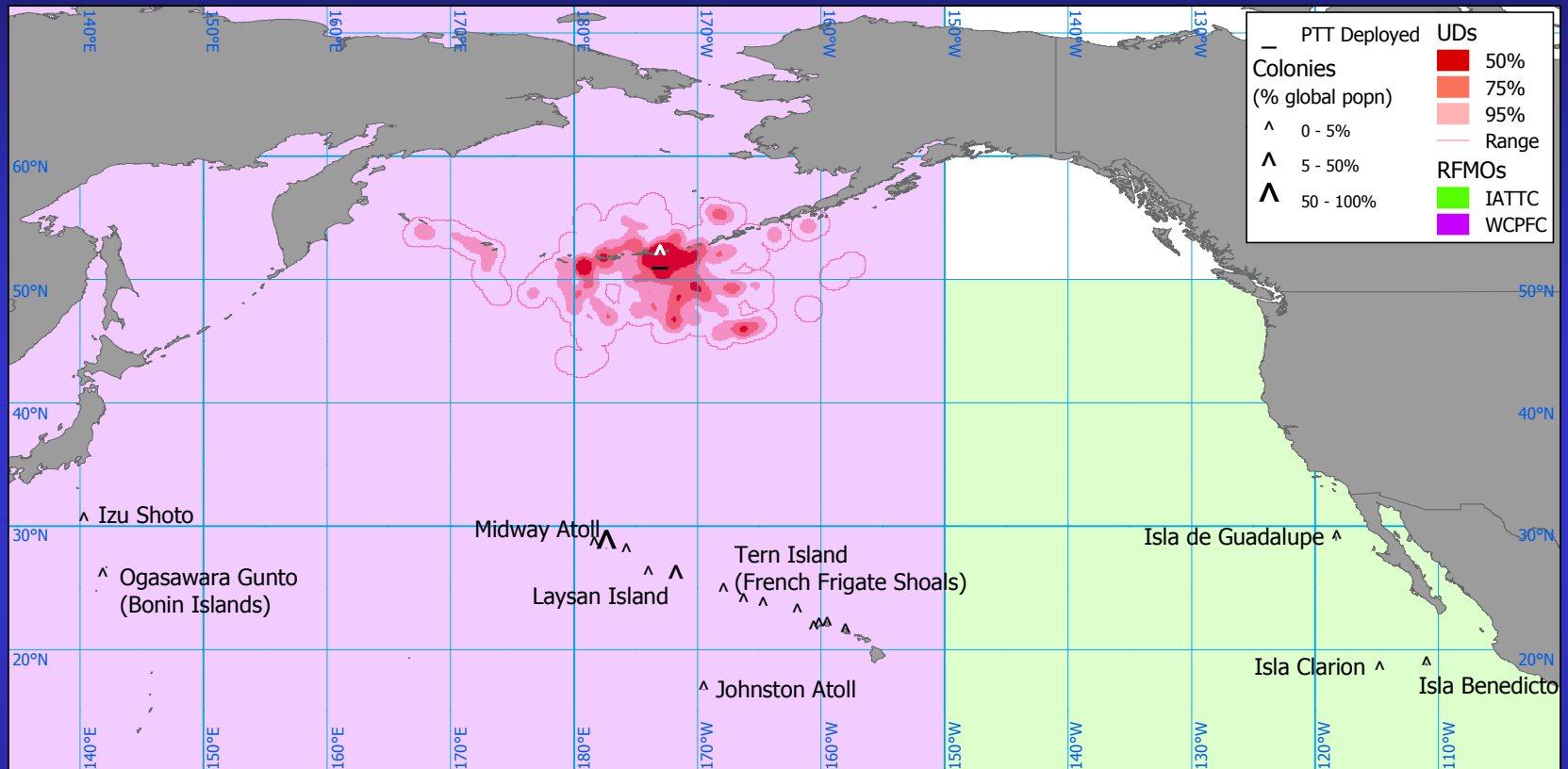


Black-footed Albatross (36%)

Black-footed Albatross tagged at sea.

Rob Suryan, Hatfield Marine Science Center. David Hyrenbach, Scripps, Ronald Dotson, NMFS.

NON-BREEDING:

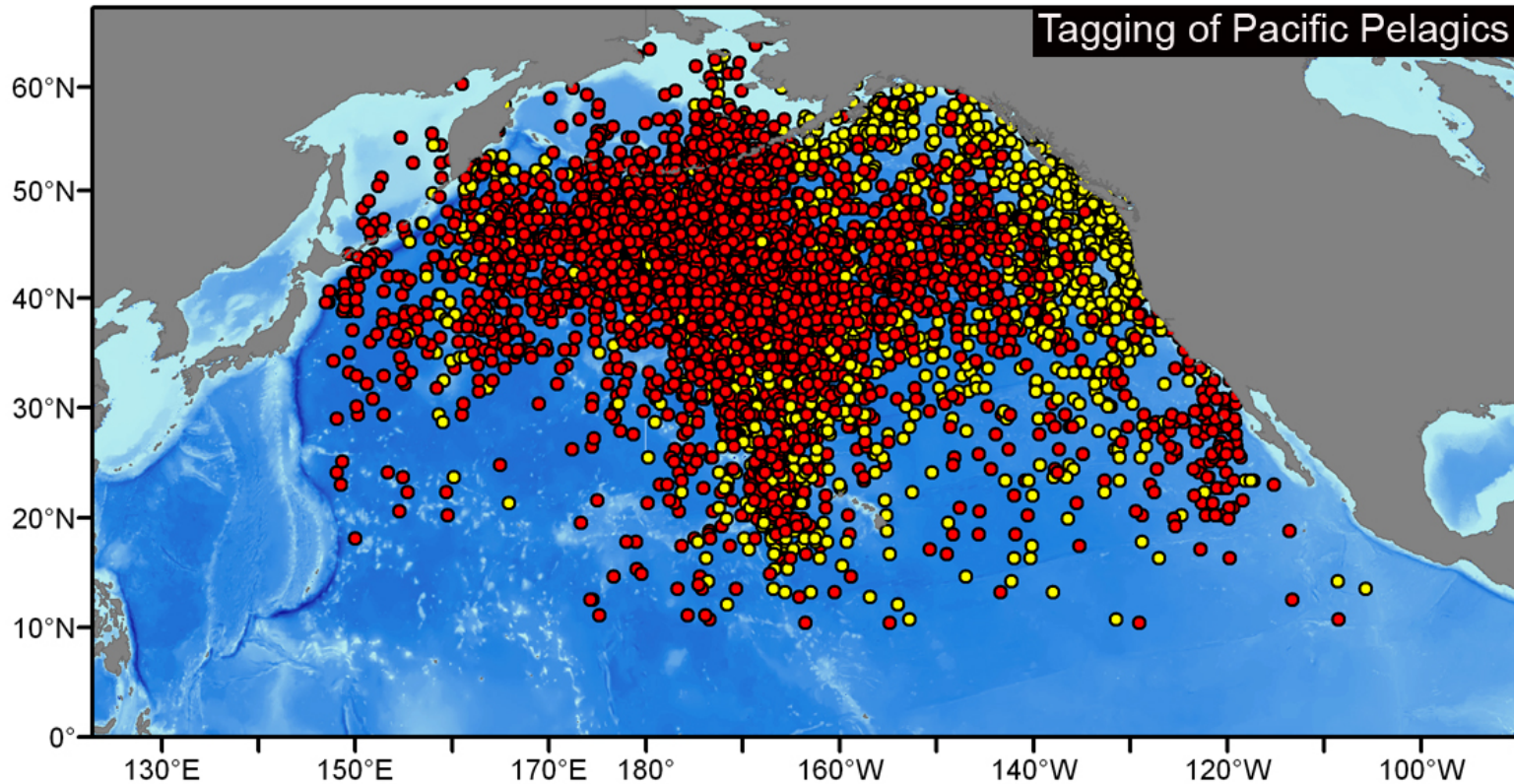


Laysan Albatross (?%)

Laysan Albatross tagged at sea

Rob Suryan, Hatfield Marine Science Center, Oregon State University

Post-breeding distribution of Laysan (red) & Black-footed (yellow) Albatross tracked from Hawaii (Scott Shaffer, TOPP, In Press)



Summary of tracking data

SOUTH PACIFIC

- Waved Albatross
- Black-browed Albatross (Chile) esp. non-breeding
- Non-breeders from New Zealand (Chatham, Salvin's and Buller's above 40°S)
- Concentrated in EEZs but migrate across high seas

NORTH PACIFIC

- Important for Black-footed Albatross esp. non-breeders (also Laysan Albatross)
- Extensive use of high seas areas (mostly above 20°N)

RFMO Seabird Assessments:

IATTC	Seabird Resolution '05	Seabird Assessment
ICCAT	Seabird Resolution '02	Seabird Assessment
IOTC	Seabird Resolution '05	Seabird Assessment
WCPFC	Seabird Resolution '05	Mortality estimates
CCSBT	Seabird Resolution '97	?



**A few
questions...**

- **What next?**
- **Coordination with
other RFMOs?**

