

JIMAR ANNUAL REPORT FOR FY 2012

P.I. NAME: Kevin Weng

NOAA OFFICE (*Of the primary technical contact*): NMFS Pacific Islands Fisheries Science Center

NOAA SPONSOR NAME: NMFS Pacific Islands Fisheries Science Center

PROJECT PROPOSAL TITLE: Pelagic Fisheries Research Program: Program Management

FUNDING AGENCY: NOAA

NOAA GOAL (*Check those that apply*):

- To protect, restore, and manage the use of coastal and ocean resources through ecosystem-based management
- To understand climate variability and change to enhance society's ability to plan and respond
- To serve society's needs for weather and water information
- To support the nation's commerce with information for safe, efficient, and environmentally sound transportation.
- Mission Support

PURPOSE OF THE PROJECT (*One paragraph*):

Manage the activities of the PFRP, solicit and implement new research proposal, and promote science-based management of fisheries for highly migratory fisheries in the western Pacific Ocean.

PROGRESS DURING FY 2012 (*One-two paragraphs*):

Include a comparison of the actual accomplishments to the objectives established for the period, along with reasons for the slippage if established objectives were not met

RFP: No RFP was issued during 2012 because the funding was reduced such that the PFRP had no funds available.

Multi-year projects: the PFRP was unable to fulfill its commitments to multi-year projects funded in prior cycles, due to inadequate funding.

International collaboration in research on pelagic fisheries.

The PFRP continues to support the ADMB Project, an international effort to ensure that the AD Model Builder software will be maintained in the future. (This software is used in over 200 fisheries management agencies for statistical modelling and assessment of fish population around the world; see <http://admb-project.org/>.)

In 2012 the PFRP brought in a new postdoctoral scholar to conduct research in collaboration with the ADMB community on subjects relating to the geolocation of marine animals.

PFRP program manager contributed to:

- Scientific and statistical committee, Western Pacific Regional Fishery Management Council, presentation titled “Deep 7 Bottomfish Tracking, Ni`ihau Pinnacles” (October 2012)
- Regional Ecosystem Advisory Panel, Western Pacific Regional Fishery Management Council, May 2012
- Pelagics Plan Team, Western Pacific Regional Fishery Management Council April 2012
- The Pelagic Fishery Research Program conducted an analysis for the Western Pacific Regional Fishery Management Council titled “Habitat usage, dependence, and movement patterns of five ubiquitous mesopredators in Palmyra Atoll”, lead by PhD student Gen Del Raye.

PFRP program manager serves on the steering committee of CLIOTOP – Climate Impacts on Top Predators, and in 2012 volunteered to be the co-chair of the committee. Program manager is assisting with the organization of the CLIOTOP symposium in Noumea, February 2013.

The PFRP, in collaboration with the Large Pelagics Research Center at the University of Massachusetts, initiated a web site to serve and support the use of geolocation tools for the scientific community.
<http://code.google.com/p/geolocation/>

PLANS FOR THE NEXT FISCAL YEAR (*One paragraph*):

The reduction in funding has made it impossible for the PFRP to fulfill its obligations to multi-year projects from prior years. In order to get the greatest benefit from the limited resources available, the steering committee decided to continue funding of three graduate student stipends for multiyear projects.

LIST OF PAPERS PUBLISHED IN REFERRED JOURNALS DURING FY 2012 OTHER PAPERS, TECHNICAL REPORTS, ETC. PUBLICATION COUNT

*complete excel attachment (*JIMAR publications request*)

See PFRP Publications List
<http://www.soest.hawaii.edu/PFRP/>

GRADUATES:

Names of students graduating with MS or PhD degrees during FY 2012; Titles of their Thesis or Dissertation

Comfort, Christina. MSc, Oceanography. Spatial And Trophic Ecology Of The Bluntnose Sixgill Shark: Environmental Drivers Of Behavior And Comparative Trophic Position In Two Distinct Habitats

AWARDS:

Name of JIMAR employees or project receiving award during the period, and Name of award

none

PERSONNEL *(on Subcontracts):*

For projects that awarded subcontracts in the fiscal year, please provide the number of supported postdocs and students from each subgrantee.

IMAGES AND CAPTIONS:

*We will also be including images for the annual report. Please send two of your best high-resolution, color images (photo, graphic, schematic) as a **JPEG or TIFF (300 dpi)** with a caption for each image. If you do not have an electronic version of the image, a hardcopy version may be dropped off at the JIMAR office located in the Marine Sciences Building, Room 312*



geolocation

PFRP and LPRC geolocation packages for archival tagged marine animals

Search projects

Project Home | Downloads | Wiki | Issues | Source

Summary | People

Project Information

Recommend this on Google

Starred by 0 users

[Project feeds](#)

Code license

[New BSD License](#)

Labels

tracking, geolocation, Cpp, R, ADModelBuilder, tags, marine, pelagics

Members

[fishfollower](#), [wsgodd](#), [dolphintim](#), [inancheta](#), [dtdrumfish](#), [sibert@hawaii.edu](#), [johnrsibert](#), [2 committers](#)

Your role

Committer

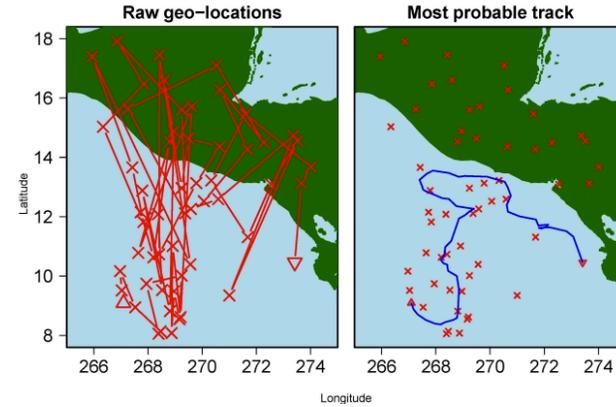
Links

External links

[PFRP](#), [LPRC](#), [ADMB](#), [Tagbase](#)

Electronic Tagging Geolocation Packages Repository

This site provides a collection of statistical models to estimate position errors, movement model parameters, and most probable positions from tracking data. This project is a joint effort from Pelagic Fisheries Research Program (PFRP) of Joint Institute for Marine & Atmospheric Research, University of Hawaii at Manoa and Large Pelagics Research Center (LPRC) of University of Massachusetts, Amherst.



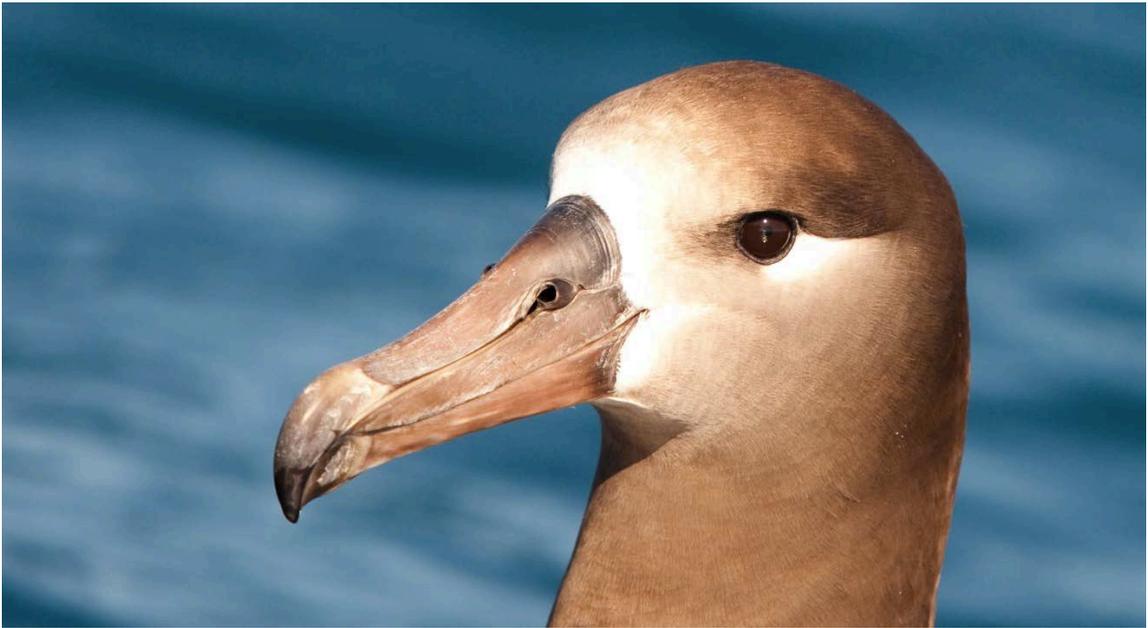
Geolocation tools page, <http://code.google.com/p/geolocation/>



Fishery researchers at work



A shearwater walks on water



A blackfooted albatross waits for a meal



Albatrosses fight over food



humpbacked whale

ACRONYMS:

Please provide the complete descriptions for any acronyms used in any areas of the report. For example: UH (University of Hawaii)