JIMAR ANNUAL REPORT FOR FY 2010

P.I./SPONSOR NAME: Laurent Dagorn, Kim Holland

NOAA OFFICE (Of the primary technical contract): NMFS, PIFSC

PROJECT PROPOSAL TITLE: Development of "Business Card" tags: Inter-individual data transfer

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): To develop and field test acoustic transceivers that will allow communication between tagged animals when they come within range during their normal movements in the open ocean

PROGRESS DURING FY 2010 Primary activities in 2010 consisted of continued analysis of data collected in the first phase of field testing and planning for second round of deployments. To this end, the PI's met with potential collaborators in Hawaii and in Azores to discuss experimental design.

PLANS FOR THE NEXT FISCAL YEAR (One paragraph): To deploy tags currently in hand and to meet with tag manufacturer to discuss potential avenues to push the technology forward.

LIST OF PAPERS PUBLISHED IN REFERRED JOURNALS DURING FY 2010, in the following format: (Author or authors with last name and initials, publication year: Article title. *Journal name*, volume, page range.) For example: Charney, J.G., and A. Eliassen, 1964: On the growth of the hurricane depression. *J. Atmos. Sci.*, 21, 68-75.

OTHER PAPERS, TECHNICAL REPORTS, ETC.: Presentation at 2010 Ocean Sciences Meeting, Portland, Oregon: Inter-Animal Telemetry Using "Business Card" Tags; First Results and Future Directions. K. Holland, L. Dagorn, C. Meyer

GRADUATES (Names of students graduating with MS or PhD degrees during FY 2010; Titles of their Thesis or Dissertation):

AWARDS (List awards given to JIMAR employees or to the project itself during the period):

PUBLICATION COUNT (Total count of publications for the reporting period and categorized by NOAA lead author and Institute (or subgrantee) lead author and whether it was peer-reviewed or non peer-reviewed (not including presentations):

	JI Lead Author	NOAA Lead Author	Other Lead Author
Peer Reviewed			
Non-Peer Reviewed			

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):

- Caption 1:

- Caption 2:

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