Read Me

**array2\_receiver\_coords.csv**

Contains the receiver number, deployment date, Latitude, Longitude of all of the acoustic receivers.

**detect.period.csv**

Contains the number of detections, the number of hours over the survey period, and subsequently the number of detections per hour for the day, twilight, and night periods for each receiver.

**filtdata.csv**

This .csv file contains the acoustic telemetry data for a subset of individuals used to create figure 3.

**fish\_transmitter.csv**

This .csv file contains the Tag ID, tagged species, total length, fork length, standard length, capture date, tag date, and release date.

**moves\_rec\_period.csv**

Contains the total movements between receivers per period. The “from” column contains the initial receiver and the “to” column corresponds to the second receiver. “un\_sum” represents the unique transitions that occurred between these two receivers. “n\_h” represents the number of unique transitions per hour for each period.

**Occ.glm.dat.csv**

Contains the output table from the GLM comparing occupancy areas for each individual within each species.

**PCAdat.csv**

This .csv file contains all the data required to re-run the Principle Component Analysis. It contains the data for each individual over each time period (day, twilight, and night).

**Map Folder**

The map folder contains .kml files that were traced on Google Earth Pro of the visible reefs, islands, and seagrass areas around Lizard Island. Also published and further detail in <https://doi.org/10.1007/s00338-023-02384-6> .

Lizard main.kml

Lizard reef.kml

Lizard seagrass.kml

map\_plot.R