

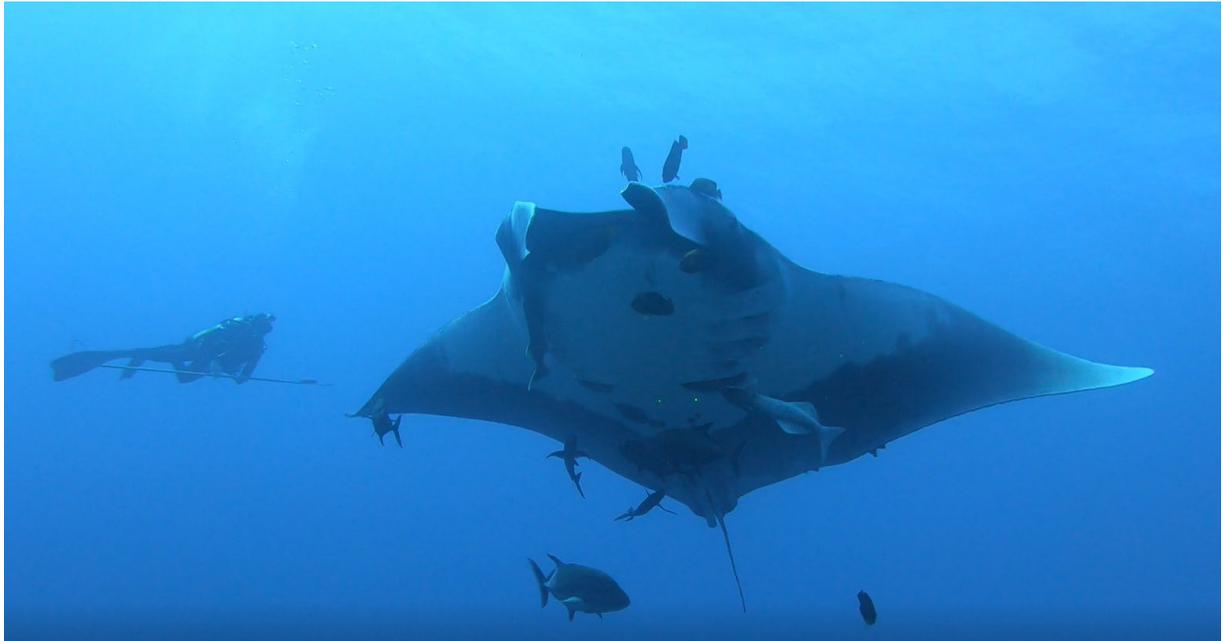
Project Update: May 2022

Field work for this project was conducted from February-March 2022 aboard the "Sharkwater" research vessel for a duration of 7 days. All four SPOT tags were assembled with tether and anchor and tested before deployment. Laser measurement of size and photo-ID collection was performed for each tagged individual oceanic manta ray. Each SPOT tag has the approximate duration of 4 months deployment which means that by the end of June 2022 we will have the whole dataset to start data analysis and processing.

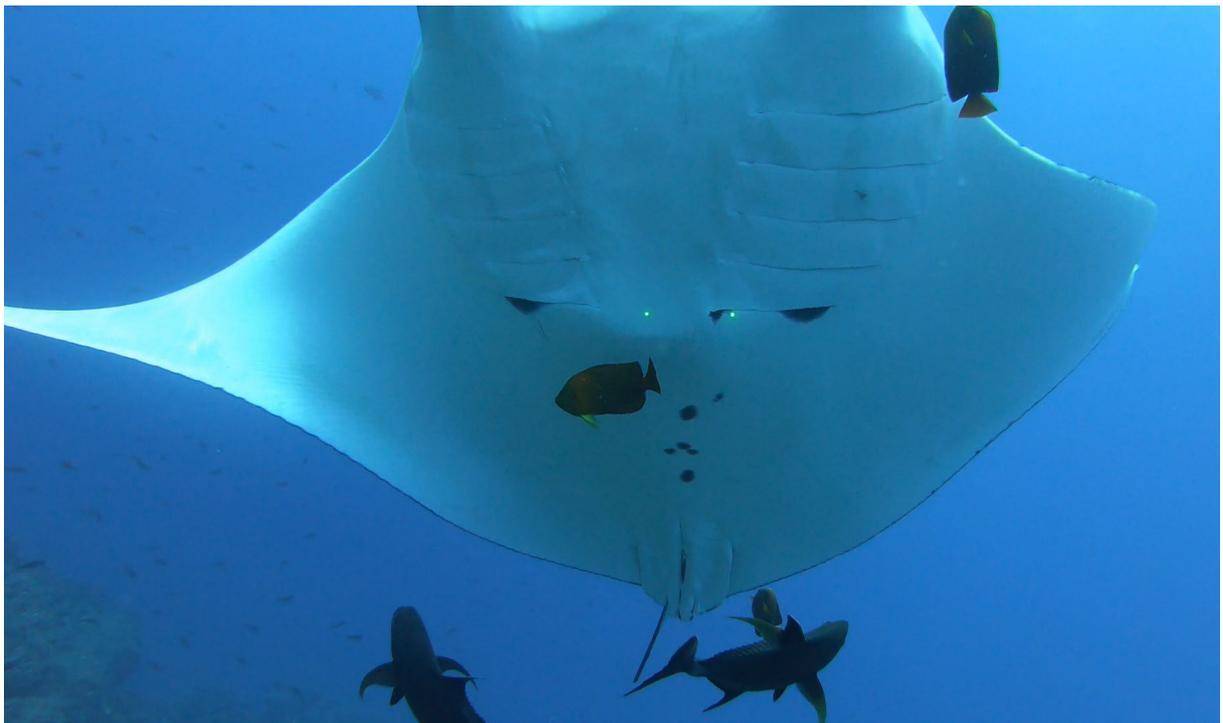
Below are some pictures of the fieldwork



SPOT Tags with tether and anchor



Laser measurement and tagging. Teamwork is required to measure size, collect photo-ID and tag each individual manta.



Laser measurement. Green dots on ventral area are of known distance and serve as reference for measuring the total wingspan.



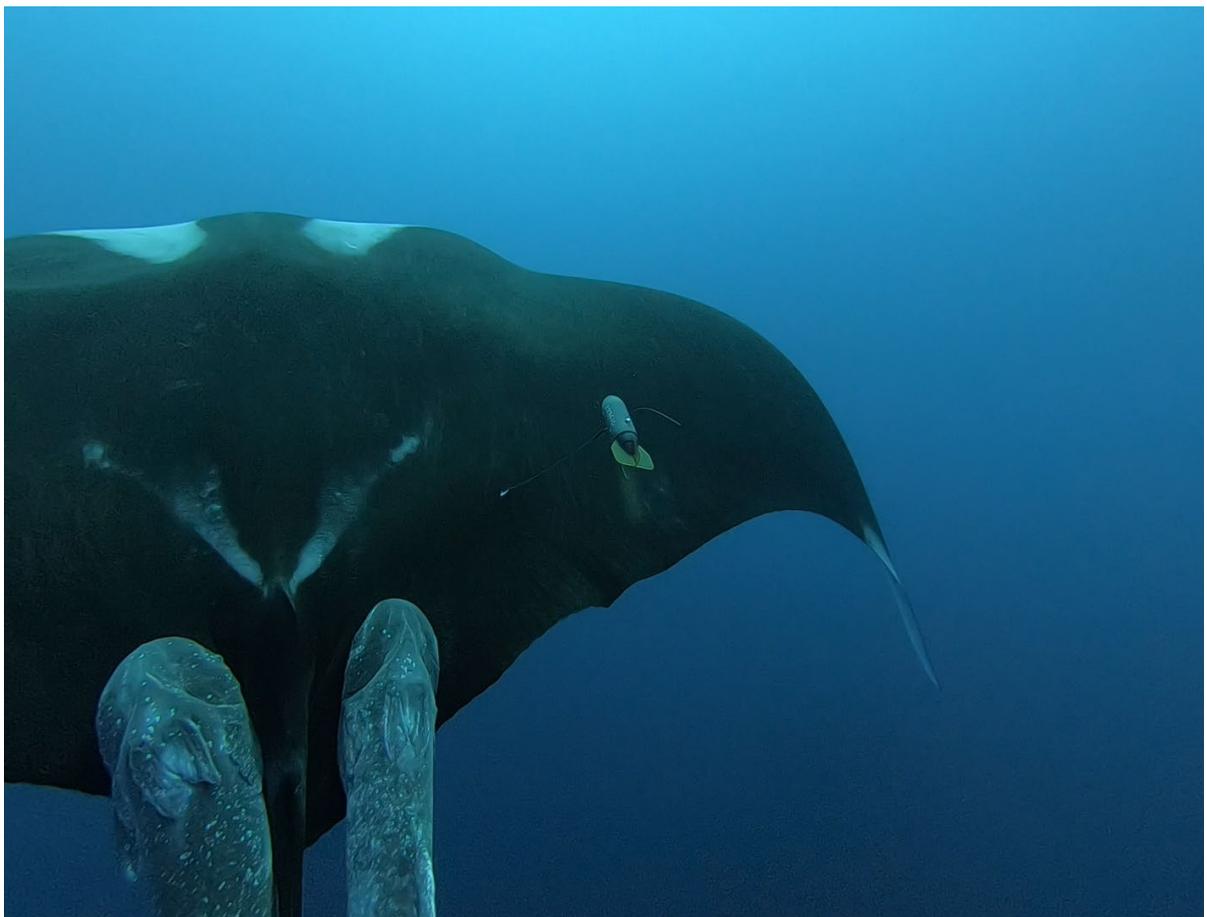
Tagging process



Tagging process



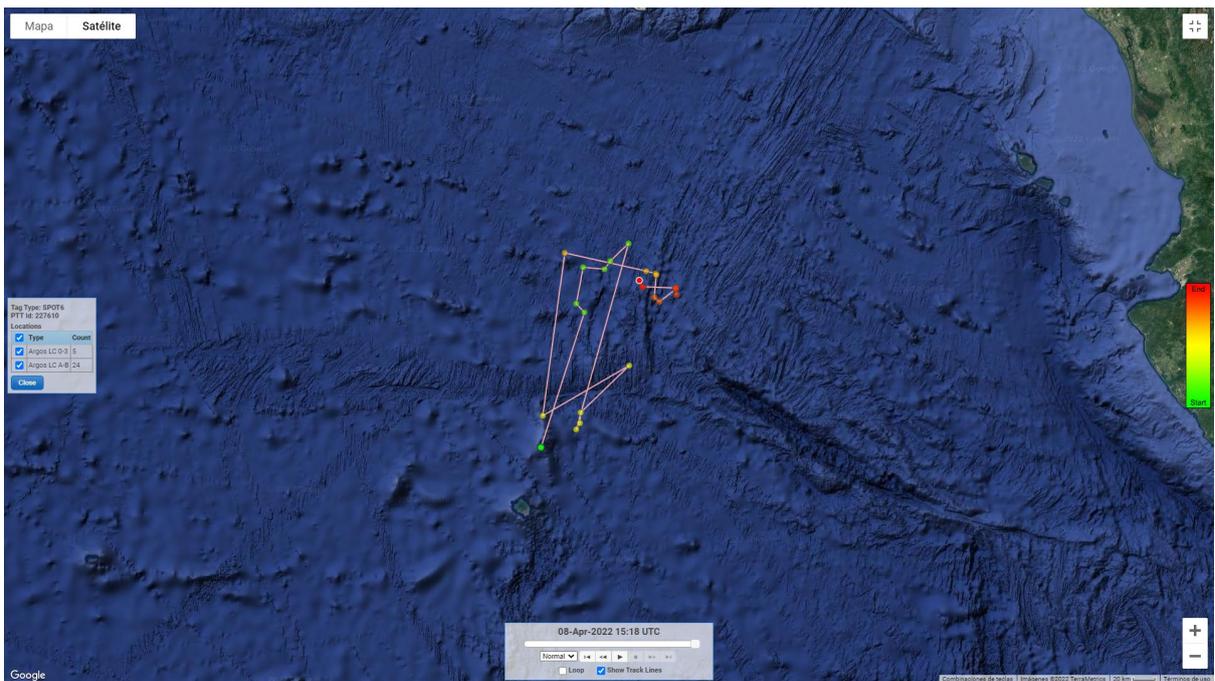
Tag successfully deployed on oceanic manta ray



Close up of tag on oceanic manta ray



Close up of tag on oceanic manta ray



Raw data example of approximately 1 month tracking for one oceanic manta ray in Revillagigedo National Park. Tracking starts at green colour point and ends at red colour point.