

**PacIOOS updates since the 2019/2020 Audit
July 2020**

Certification Requirement: All near-shore buoy and water quality sensor data archived with NCEI.

PacIOOS Update: PacIOOS has employed a method of producing data packages via ERDDAP, and these are now periodically downloaded by NCEI for archive. This processed is used for the NSS, WQB and weather station data. Once the in-house Data Turbine upgrade is completed at the end of Summer 2020, we will put the old water quality buoy data and the remaining sensor data into the ERDDAP folder for NCEI to pull.

Certification Requirement: Send all animal telemetry data to the U.S. IOOS Animal Telemetry Network Data Assembly Center (ATN DAC) for archiving when it receives notification from the U.S. IOOS Office that the DAC is ready to accept archival data.

PacIOOS Update: The team has established an account at the ATN DAC to facilitate importation of historical shark tracks and ocean profiles. Movement patterns of Tiger Sharks, Hammerhead and Galapagos Sharks around Hawaii are now being archived on the ATN DAC as are ocean thermal profiles obtained during some of these tracks. The team has also provided the necessary meta-data that must accompany animal-borne sensor oceanographic profile data before it can be ingested into the ATN DAC.

Additional PacIOOS Update:

PacIOOS worked with the Program Office in a pilot study to send data to the GTS (Global Telemetry System) via ERDDAP. The initial tests with real-time water quality and weather data were successful, and the process will now be repeated at other Regional Associations.

PacIOOS has made efforts to expand biological data services. A half-time person has been working with local stakeholders at the Pacific Islands Fisheries Science Center (NOAA/PIFSC) to get all their reef fish data into proper Darwin-Core. These and other data from University of Guam have been added to the OBIS repository.