PacIOOS Wave Buoy
Aunu’u, American Samoa

Mooring Location: 14° 15.90’ S, 170° 29.60’ W
Depth: 260 feet
www.pacioos.org/wavebuoy/aunuubuoy.php

The buoy is constantly in motion and can drift up to +/- 500 ft from its charted position due to the mooring configuration. The mooring line has sufficient slack to allow for various ocean conditions, including big wave events and strong currents.

**Buoy sensors are very sensitive.**

To keep the buoy operational, please
- do not tie to buoy and
- avoid fishing within 500 feet to minimize entanglement in the mooring line.

Wave buoy data are important to make well-informed and safe decisions!

Access real-time ocean data online:
www.pacioos.org/wavebuoy/aunuubuoy.php

The yellow buoy is 3ft in diameter and weighs 500lbs. It is equipped with a LED flash light antenna that emits a group of 5 yellow flashes every 20 seconds.

Contact Information: Mark Merrifield at the University of Hawai‘i, (808) 956-6161 or markm@soest.hawaii.edu.
Stay Informed!
The wave buoy measures wave height, wave direction, wave period and sea surface temperature.

**Data can be accessed at** [www.pacioos.org/wavebuoy/anuubuoy.php](http://www.pacioos.org/wavebuoy/anuubuoy.php)

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**Significant Wave Height** - The mean wave height of the largest 1/3 waves for a given 30 minute period.

**Dominant Wave Period** - Is the prevailing period with the maximum wave energy. It is measured as the time in seconds between one wave crest to the next wave crest.

**Average Wave Period** - Is the period of all waves during a 30 minute period.

**Direction** - Represents the location from which the wave approaches. 0 degrees represents the North.

Data streaming for the PacIOOS wave buoy is made possible through long-term partnerships between PacIOOS, the U.S. Army Corps of Engineers, and Coastal Data Information Program.