



**Mooring Location:** 7° 5.01' N , 171° 23.51' E

**Depth:** 300 ftm

[www.pacioos.org/wavebuoy/kalobuoy.php](http://www.pacioos.org/wavebuoy/kalobuoy.php)

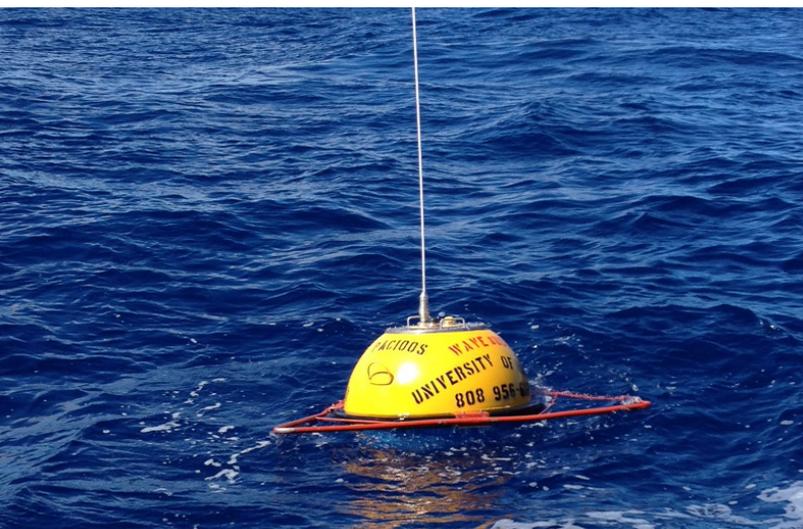
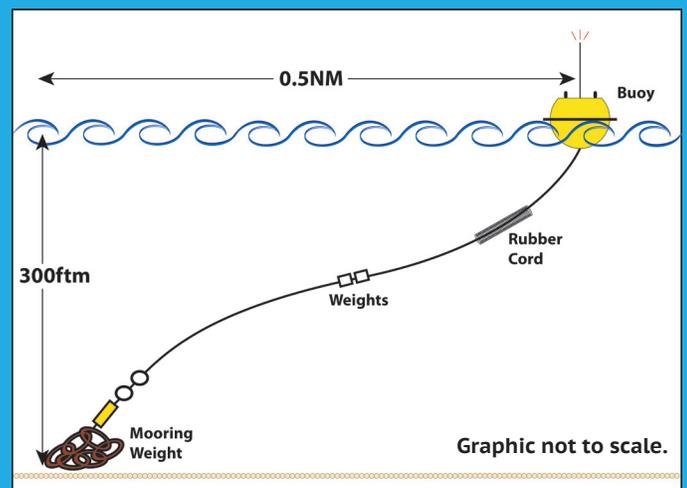
The PacIOOS wave buoy off Majuro was named by College of the Marshall Islands' students after the "Kalo" bird that only flies near land.

**To avoid collision & entanglement,  
stay 1NM offshore!**

The buoy is constantly in motion and can drift up to +/- 0.5NM 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.

**To keep the buoy operational:**

- Stay 1NM off Delap Point to avoid collision with the buoy
- Do not tie to the buoy and avoid fishing near the buoy to avoid entanglement



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

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:** Please send an email to [info@pacioos.org](mailto:info@pacioos.org) or call us at (808) 956-8784.

### Stay Informed!

The wave buoy measures **wave height**, **wave direction**, **wave period** and **sea surface temperature**.

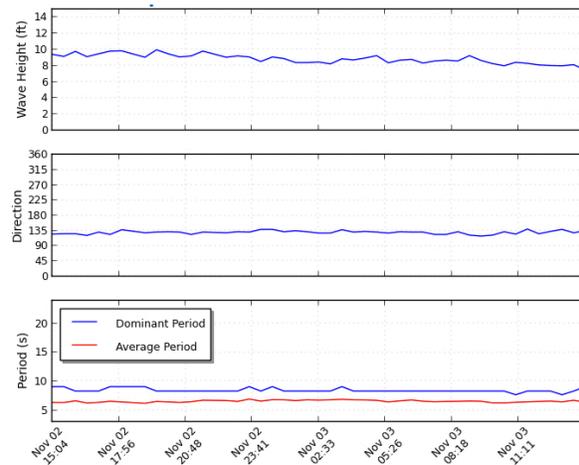
Data can be accessed at [www.pacioos.org/wavebuoy/kalobuoy.php](http://www.pacioos.org/wavebuoy/kalobuoy.php)

### Table Format

Source: CDIP

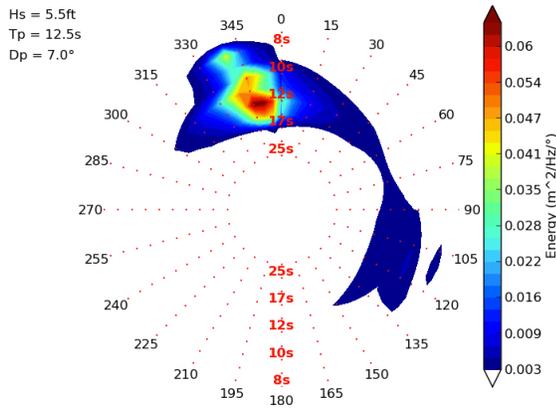
Time/Date Samoa ST(UTC-11)	Sig. Wave Height (ft)	Direction (deg)	Dominant Period (s)	Average Period (s)	Sea Surface Temp (F)
14:04, Mon Nov 03 2014	7.48	135.0	9.09	6.4	82.8
13:34, Mon Nov 03 2014	8.13	129.0	8.33	6.73	82.8
13:04, Mon Nov 03 2014	8.0	139.0	7.69	6.47	82.8
12:34, Mon Nov 03 2014	8.04	133.0	8.33	6.59	82.8
12:04, Mon Nov 03 2014	8.1	126.0	8.33	6.54	82.8
11:34, Mon Nov 03 2014	8.3	140.0	8.33	6.47	82.8
11:04, Mon Nov 03 2014	8.43	125.0	7.69	6.39	82.8
10:34, Mon Nov 03 2014	8.0	132.0	8.33	6.29	82.8
10:04, Mon Nov 03 2014	8.27	122.0	8.33	6.3	82.8
09:34, Mon Nov 03 2014	8.66	119.0	8.33	6.57	82.8
09:04, Mon Nov 03 2014	9.25	122.0	8.33	6.6	82.8
08:34, Mon Nov 03 2014	8.59	132.0	8.33	6.56	82.8
08:04, Mon Nov 03 2014	8.69	124.0	8.33	6.54	82.8
07:34, Mon Nov 03 2014	8.59	124.0	8.33	6.49	82.8
07:04, Mon Nov 03 2014	8.33	131.0	8.33	6.57	82.8
06:34, Mon Nov 03 2014	8.79	131.0	8.33	6.79	82.8
06:04, Mon Nov 03 2014	8.69	132.0	8.33	6.63	82.8
05:34, Mon Nov 03 2014	8.36	128.0	8.33	6.46	82.8
05:04, Mon Nov 03 2014	9.25	131.0	8.33	6.72	82.8

### Graph

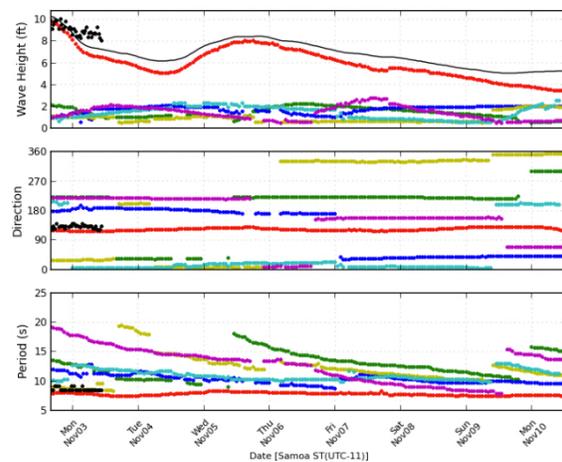


Sample Figures

### Directional Spectrum



### Wave Watch III Forecast



**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.