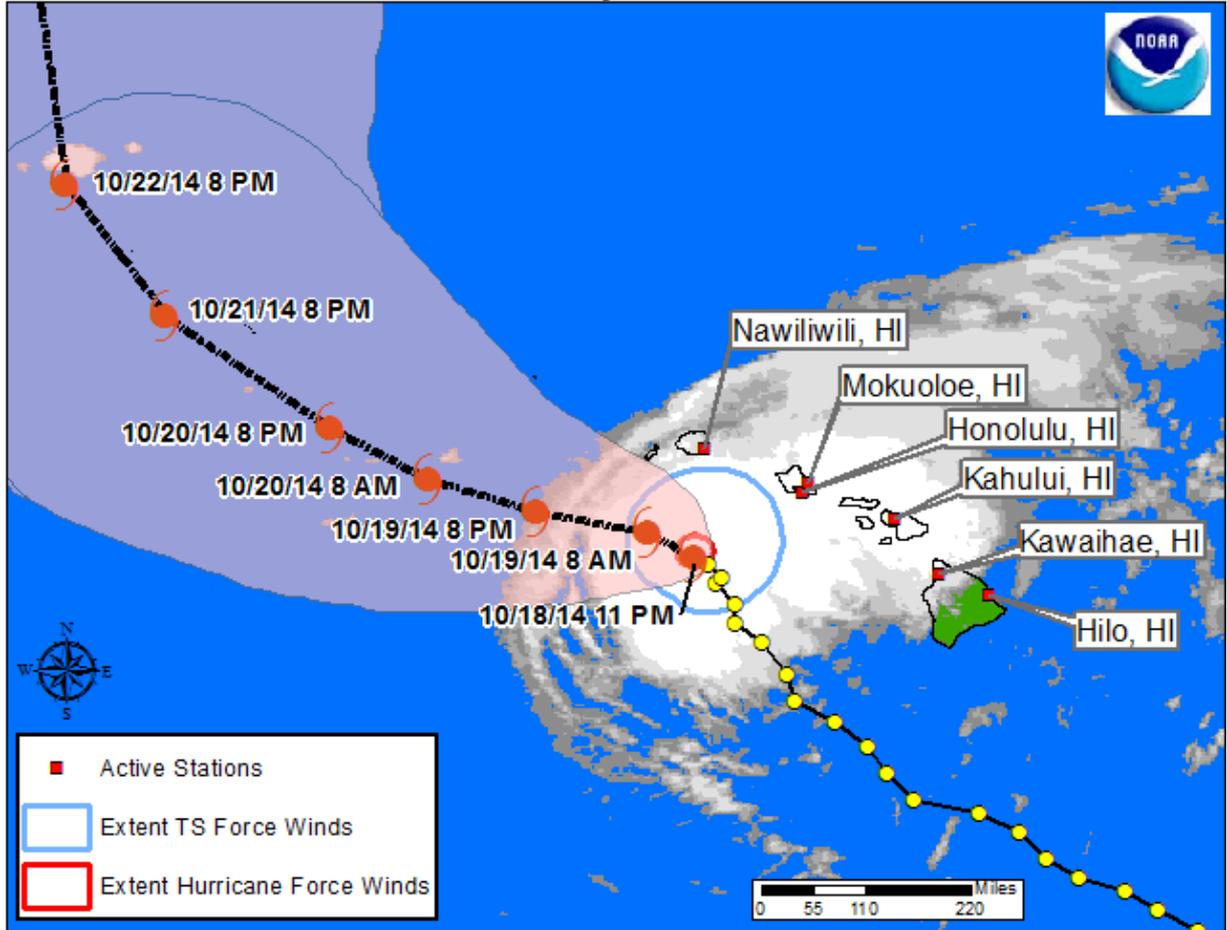




Hurricane ANA QuickLook
Posted: 00:00 HST 10/19/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/19/2014 00:00 HST, water levels at Nawiliwili and across the other main Hawaiian Islands are slightly elevated and range between 0.2 and 0.6 feet above predicted tide levels. While there are no winds available on Kauai, winds are generally weak from Oahu eastward with some gusts reaching 15-20 knots. Barometric pressure is slowly rising across the Hawaiian Islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: PFF

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ANA ADVISORY NUMBER 23

NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP022014

1100 PM HST SAT OCT 18 2014

...ANA CONTINUES MOVING SLOWLY TOWARD THE NORTHWEST...HURRICANE WATCH ISSUED FOR PORTIONS OF THE NORTHWEST HAWAIIAN ISLANDS...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

A HURRICANE WATCH HAS BEEN ISSUED FOR PORTIONS OF THE PAPA HANAUMOKUAKEA MARINE NATIONAL MONUMENT...FROM NIHOA TO FRENCH FRIGATE SHOALS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

* PORTIONS OF THE PAPA HANAUMOKUAKEA MARINE NATIONAL MONUMENT...FROM NIHOA TO FRENCH FRIGATE SHOALS.

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* OAHU

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY THE NATIONAL WEATHER SERVICE OFFICE IN HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM HST...0900 UTC...THE CENTER OF HURRICANE ANA WAS LOCATED NEAR LATITUDE 20.3 NORTH...LONGITUDE 159.5 WEST OR ABOUT 120 MI S OF LIHUE HAWAII AND ABOUT 125 MI WSW OF HONOLULU HAWAII. ANA IS MOVING TOWARD THE NORTHWEST NEAR 6 MPH...9 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE OVERNIGHT. A TURN TOWARD THE WEST-NORTHWEST IS EXPECTED ON SUNDAY...FOLLOWED BY A GRADUAL TURN BACK TOWARD THE NORTHWEST ON MONDAY. ON THIS FORECAST TRACK...THE CENTER OF ANA WILL PASS ABOUT 105 MILES SOUTHWEST OF KAUAI EARLY SUNDAY MORNING...75 MILES SOUTH OF NIIHAU SUNDAY MORNING...ABOUT 135 MILES SOUTH OF NIHOA SUNDAY NIGHT...AND ABOUT 85 MILES SOUTHWEST OF NECKER ISLAND MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH...130 KM/H...WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS...AND ANA MAY WEAKEN TO A TROPICAL STORM OVER THE NEXT COUPLE OF DAYS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES...35 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES...165 KM.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 989 MB...29.21 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED OVER KAUAI COUNTY TONIGHT AND SUNDAY...MAINLY NEAR NIIHAU AND WATERS TO THE SOUTH. TROPICAL STORM CONDITIONS ARE POSSIBLE OVER OAHU TONIGHT. TROPICAL STORM CONDITIONS ARE POSSIBLE OVER NIHOA LATER SUNDAY...AND HURRICANE CONDITIONS ARE POSSIBLE OVER NECKER ISLAND...TERN ISLAND...AND FRENCH FRIGATE SHOALS ON MONDAY.

SURF...LARGE SWELLS PRODUCED BY ANA WILL CONTINUE TO IMPACT MOST OF THE MAIN HAWAIIAN ISLANDS THROUGH SUNDAY. SURF PRODUCED BY THESE SWELLS COULD POTENTIALLY BE DAMAGING ALONG EXPOSED SOUTHERN AND SOUTHEASTERN SHORELINES AND WILL PERSIST ALONG MOST ISLANDS THROUGH SUNDAY.

RAINFALL...BANDS OF HEAVY RAINFALL ASSOCIATED WITH ANA WILL MOVE OVER THE MAIN HAWAIIAN ISLANDS THROUGH TONIGHT AND WILL REMAIN OVER THE WESTERN HALF OF THE ISLAND CHAIN ON SUNDAY.

FORECASTER R BALLARD/BIRCHARD

Hurricane ANA QuickLook, POSTED 00:00 HST 10/19/2014

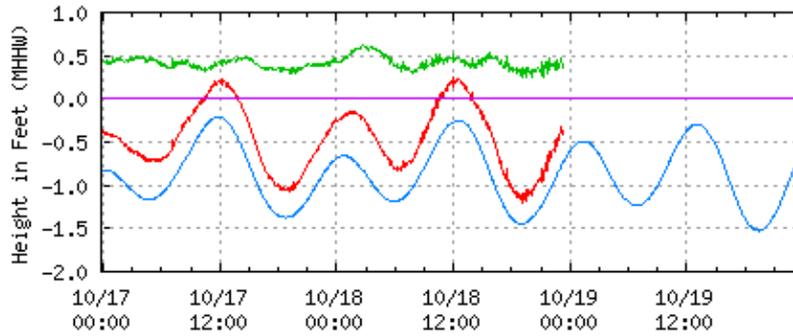
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Nawiliwili - Water Level](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#)

Hurricane ANA QuickLook, POSTED 00:00 HST 10/19/2014

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

Last Observed Sample: 10/18/2014 23:12 (HST). Data relative to MHHW

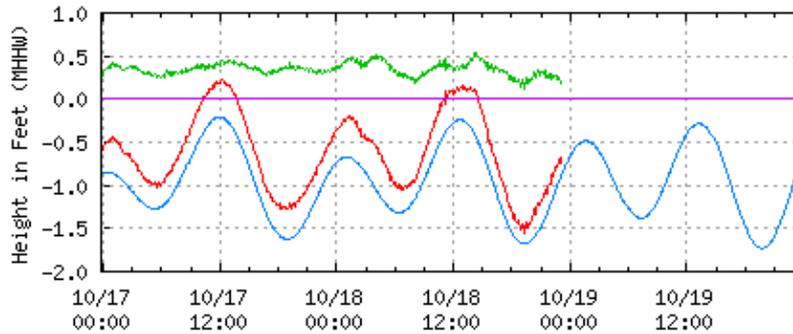
Observed: -0.40 ft. Predicted: -0.75 ft. Residual: 0.35 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 10/19/2014 01:23 (HST), -0.49 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

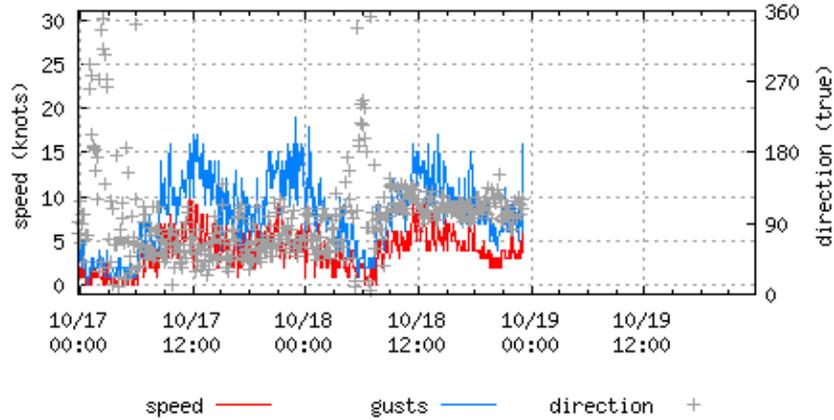
Last Observed Sample: 10/18/2014 23:06 (HST). Data relative to MHHW

Observed: -0.68 ft. Predicted: -0.89 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

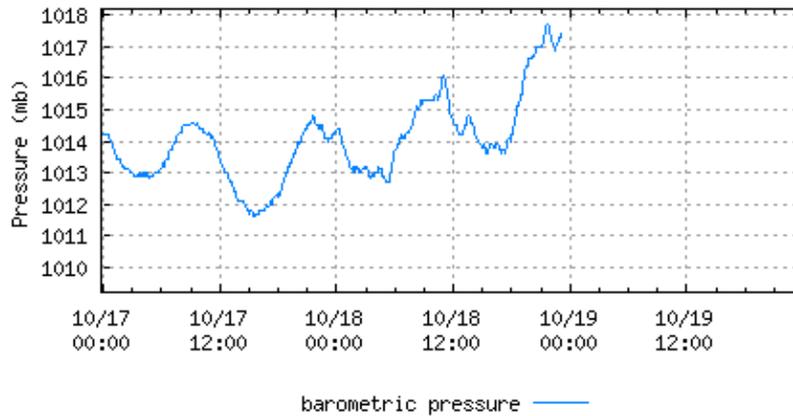
Next High Tide: 10/19/2014 01:37 (HST), -0.48 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI
Wind Speed / Gusts / Direction

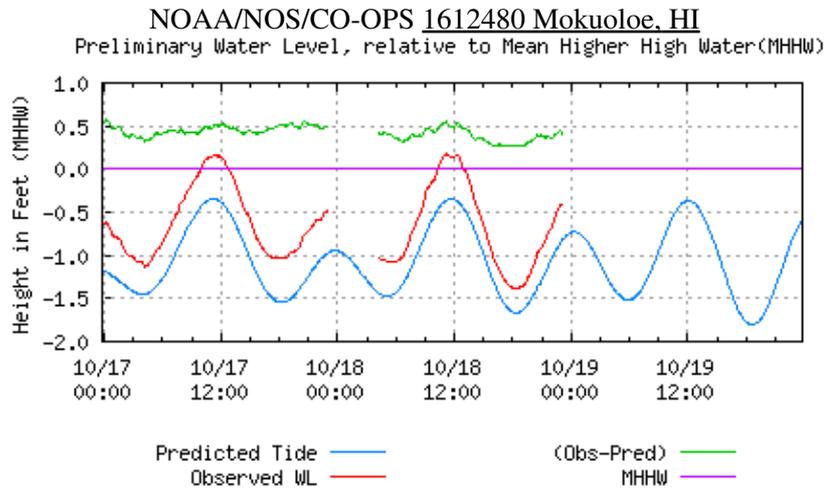


speed — gusts — direction +
Last Observed Sample: 10/18/2014 23:06 (HST)
Wind Speed: 7 knots Gusts: 16 knots Direction: 109° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI
Barometric Pressure



Last Observed Sample: 10/18/2014 23:06 (HST)
Barometric Pressure: 1017.3 mb

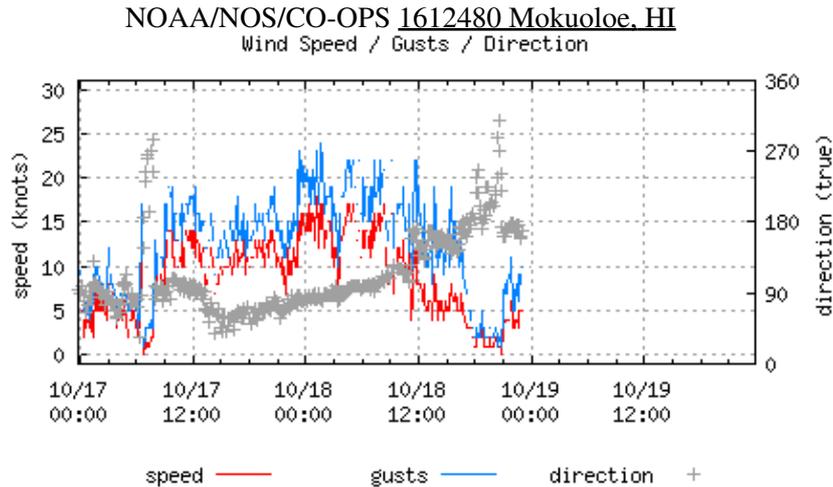


Last Observed Sample: 10/18/2014 23:06 (HST). Data relative to MHHW

Observed: -0.41 ft. Predicted: -0.82 ft. Residual: 0.41 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

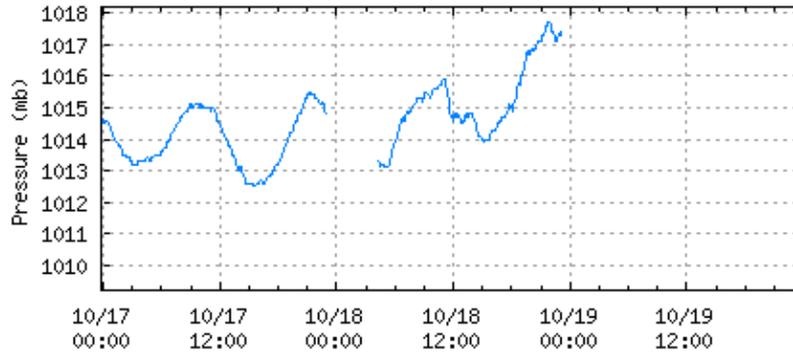
Next High Tide: 10/19/2014 00:20 (HST), -0.73 ft.



Last Observed Sample: 10/18/2014 23:06 (HST)

Wind Speed: 5 knots Gusts: 10 knots Direction: 169° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI
Barometric Pressure

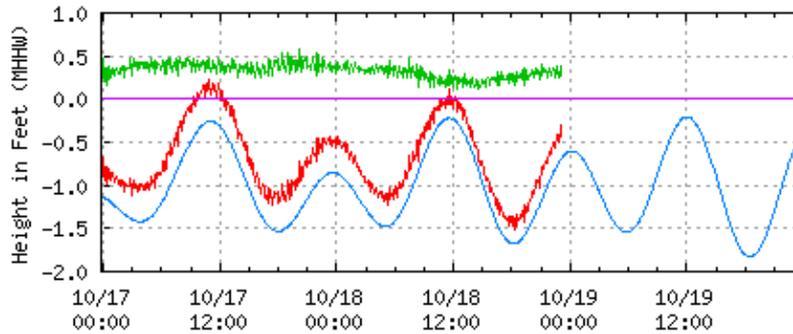


barometric pressure —

Last Observed Sample: 10/18/2014 23:06 (HST)

Barometric Pressure: 1017.3 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

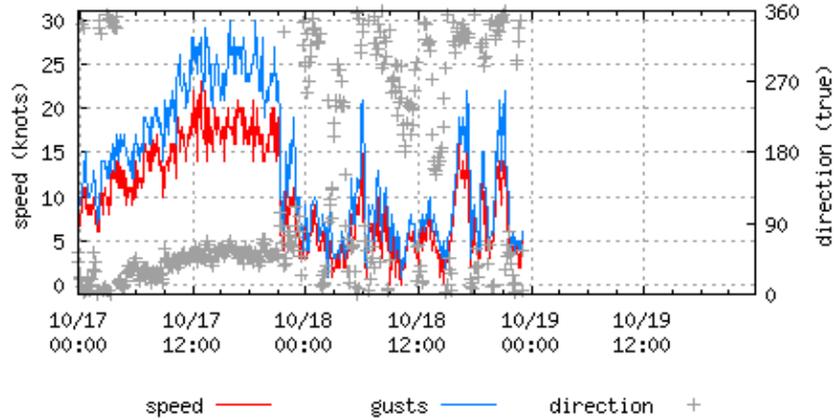
Last Observed Sample: 10/18/2014 23:06 (HST). Data relative to MHHW

Observed: -0.31 ft. Predicted: -0.69 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

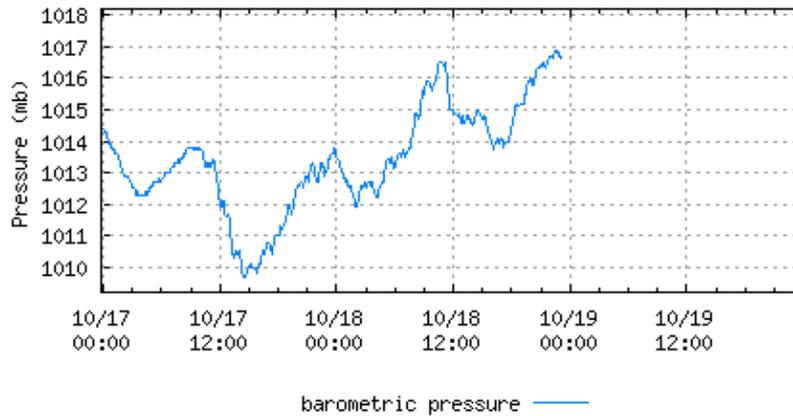
Next High Tide: 10/19/2014 00:11 (HST), -0.60 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Wind Speed / Gusts / Direction

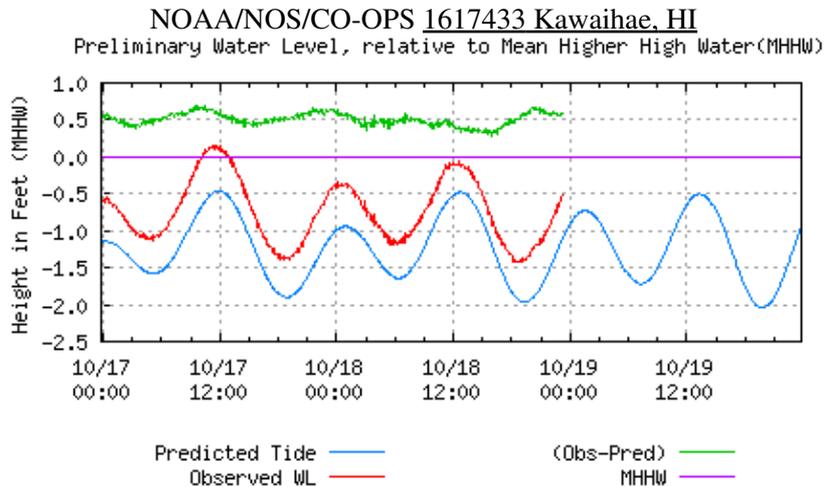


speed — gusts — direction +
Last Observed Sample: 10/18/2014 23:06 (HST)
Wind Speed: 5 knots Gusts: 6 knots Direction: 56° T

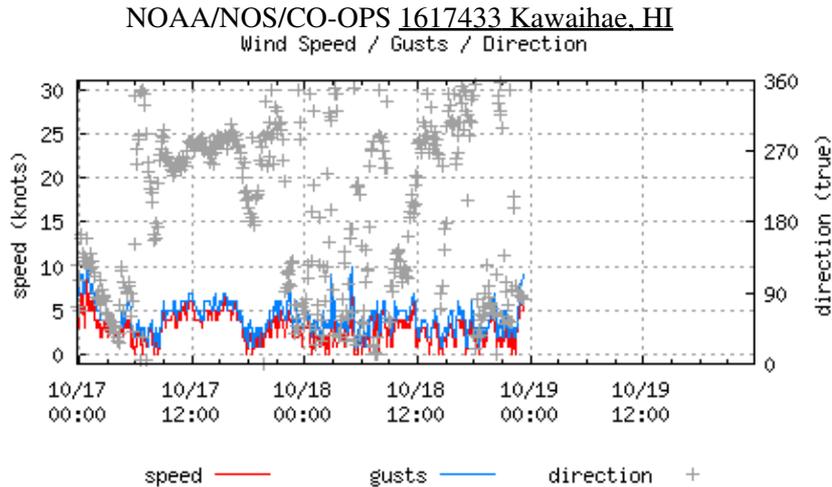
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Barometric Pressure



Last Observed Sample: 10/18/2014 23:06 (HST)
Barometric Pressure: 1016.7 mb

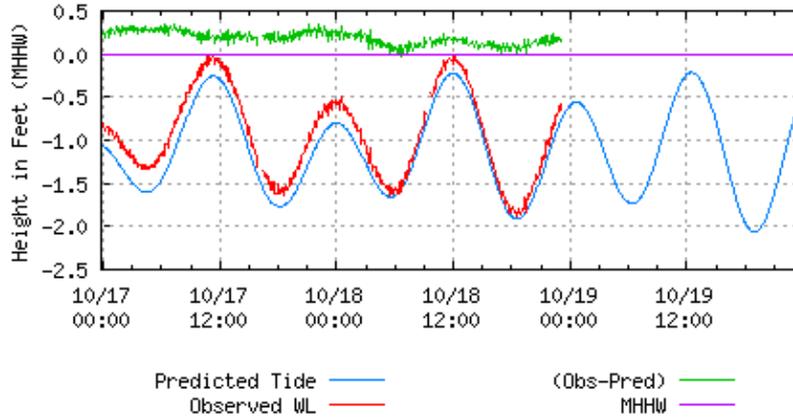


Last Observed Sample: 10/18/2014 23:12 (HST). Data relative to MHHW
Observed: -0.52 ft. Predicted: -1.11 ft. Residual: 0.59 ft.
 Historical Maximum Water Level: Dec 13 2008, 1.22 ft.
 Next High Tide: 10/19/2014 01:34 (HST), -0.73 ft.



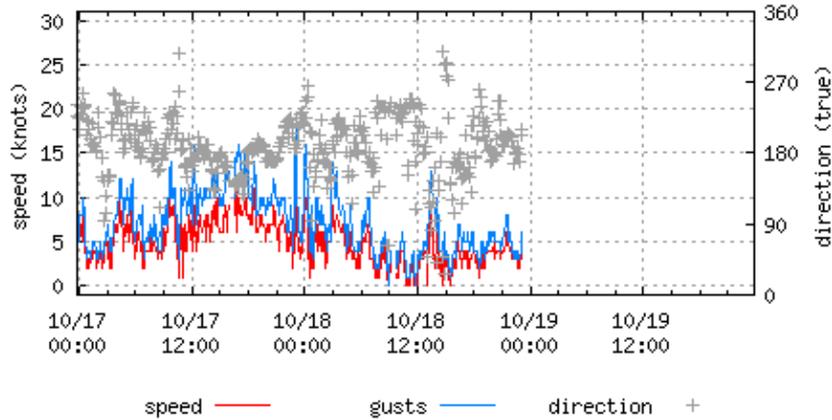
Last Observed Sample: 10/18/2014 23:12 (HST)
Wind Speed: 5 knots Gusts: 9 knots Direction: 82° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/18/2014 23:06 (HST). Data relative to MHHW
Observed: -0.58 ft. Predicted: -0.76 ft. Residual: 0.18 ft.
 Historical Maximum Water Level: Jan 20 1981, 1.37 ft.
 Next High Tide: 10/19/2014 00:39 (HST), -0.56 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/18/2014 23:06 (HST)
Wind Speed: 4 knots Gusts: 6 knots Direction: 211° T

Hurricane ANA QuickLook, POSTED 00:00 HST 10/19/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1611400	Nawiliwili, HI	10/18/2014 23:12 (HST)	-0.40 ft	-0.75 ft	0.35 ft	0.24 ft
1612340	Honolulu, HI	10/18/2014 23:06 (HST)	-0.68 ft	-0.89 ft	0.21 ft	0.16 ft
1612480	Mokuoloe, HI	10/18/2014 23:06 (HST)	-0.41 ft	-0.82 ft	0.41 ft	0.18 ft
1615680	Kahului, Kahului Harbor, HI	10/18/2014 23:06 (HST)	-0.31 ft	-0.69 ft	0.38 ft	0.11 ft
1617433	Kawaihae, HI	10/18/2014 23:12 (HST)	-0.52 ft	-1.11 ft	0.59 ft	-0.06 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	10/18/2014 23:06 (HST)	-0.58 ft	-0.76 ft	0.18 ft	-0.03 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce