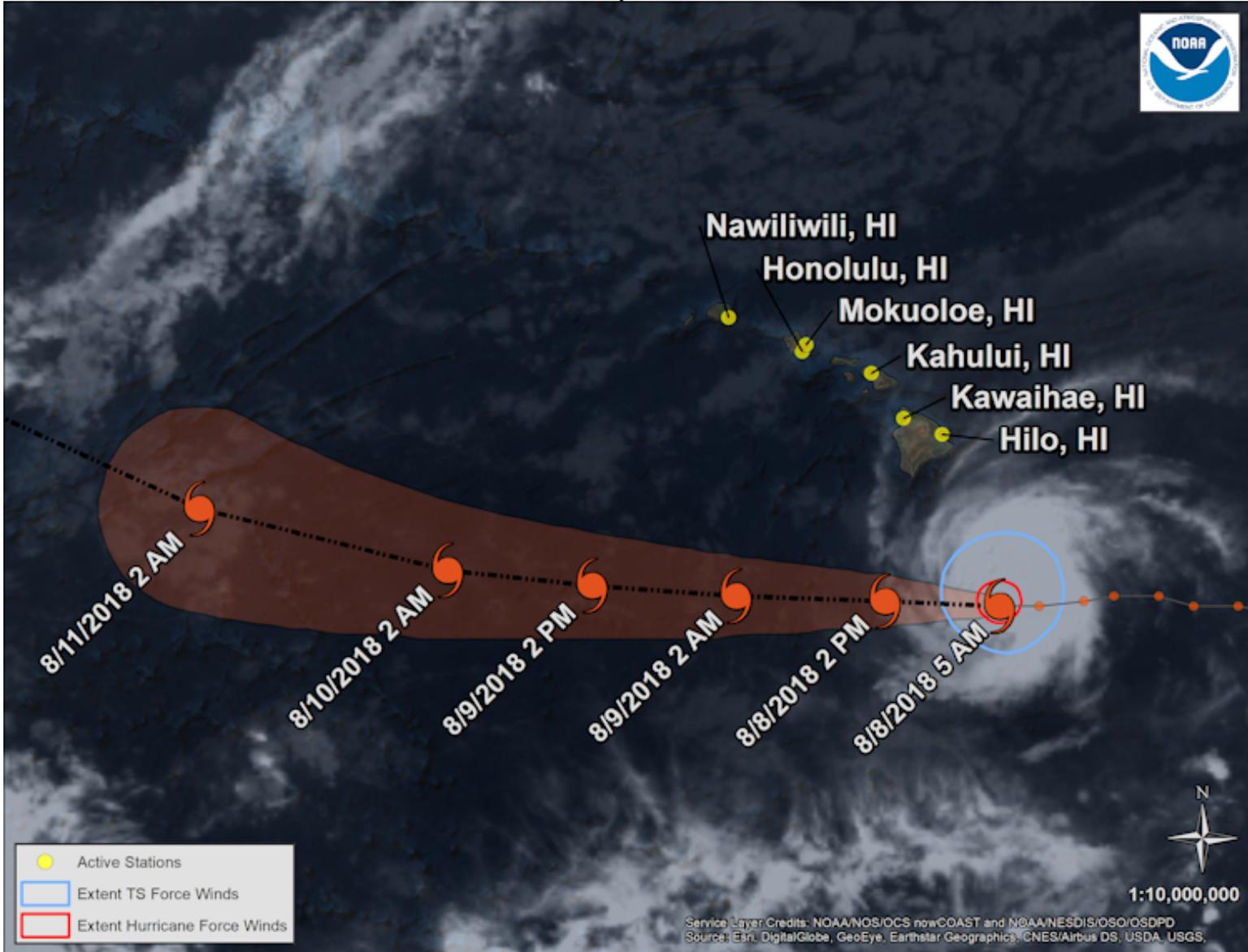




Hurricane Hector QuickLook  
Posted: 06:00 HST 08/08/2018

### NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 08/08/2018 06:00 HST, water levels across Hawaii are elevated 0.30 to 0.50 feet above predictions. Winds range between 5 to 10 knots with some gusts to 15 knots. Barometric pressure continues to fall across the 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 real-time and historical inundation information for select stations affected by this storm, please visit [Coastal Inundation Dashboard](#). For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website.

For more information or archived products and reports, please visit the [Storm QuickLook](#) Homepage.

Analyst: RCL

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Select [Central Pacific Hurricane Center](#) Advisory Information:

Hurricane Hector Advisory Number 33  
NWS Central Pacific Hurricane Center Honolulu HI  
500 AM HST Wed Aug 08 2018

...POWERFUL HURRICANE HECTOR CONTINUES TO CHURN WESTWARD  
SOUTH-SOUTHEAST OF THE BIG ISLAND...

SUMMARY OF 500 AM HST...1500 UTC...INFORMATION

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LOCATION...16.4N 153.9W  
ABOUT 240 MI...390 KM SSE OF HILO HAWAII  
ABOUT 425 MI...690 KM SE OF HONOLULU HAWAII  
MAXIMUM SUSTAINED WINDS...125 MPH...205 KM/H  
PRESENT MOVEMENT...W OR 270 DEGREES AT 16 MPH...26 KM/H  
MINIMUM CENTRAL PRESSURE...956 MB...28.23 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

\* Hawaii County

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area later today.

Interests on Johnston Island should monitor the progress of Hector.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

## DISCUSSION AND OUTLOOK

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At 500 AM HST (1500 UTC), the center of Hurricane Hector was located near latitude 16.4 North, longitude 153.9 West. Hector is moving toward the west near 16 mph (26 km/h), and this motion is expected to continue through Thursday night.

Maximum sustained winds are near 125 mph (205 km/h) with higher gusts. Hector is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some slight weakening is forecast during the next couple of days. However, Hector will likely remain a powerful hurricane through Thursday night.

Hurricane-force winds extend outward up to 35 miles (55 km) from the center and tropical-storm-force winds extend outward up to 105 miles (165 km).

The estimated minimum central pressure is 956 mb (28.23 inches).

## HAZARDS AFFECTING LAND

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SURF: Swells generated by Hector will likely produce large and dangerous surf along southeast and east facing shores of the Big Island today. Large surf is also expected along east facing shores of Maui.

WIND: Tropical storm conditions are expected across portions of the Big Island later today as the core of Hector passes to the south. The strongest winds are expected downslope from mountains, across elevated terrain, over headlands, and through gaps.

## NEXT ADVISORY

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Next intermediate advisory at 800 AM HST.  
Next complete advisory at 1100 AM HST.

Forecaster Houston

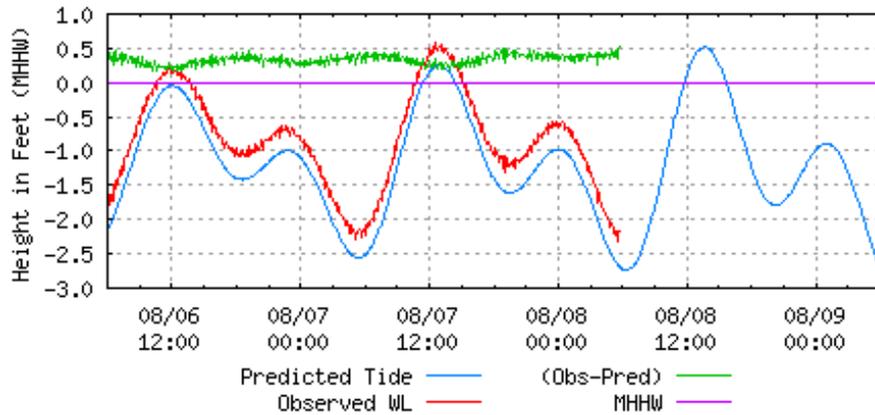
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

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



NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI

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



Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW

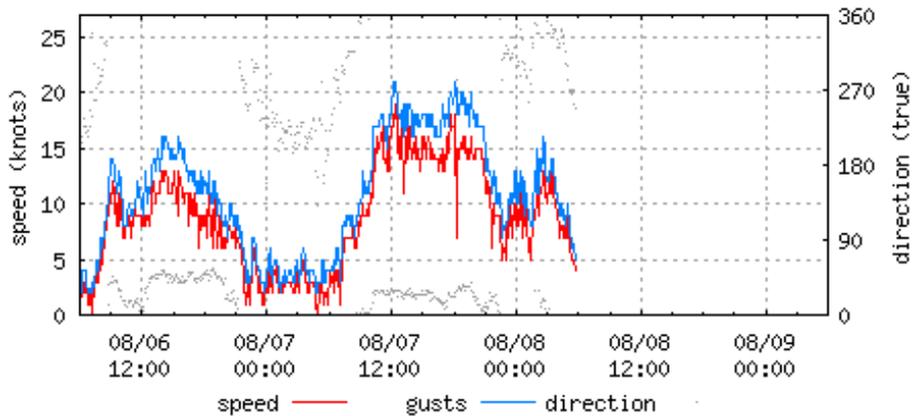
Observed: -2.17 ft. Predicted: -2.69 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Jul 24 2017, 7.86 ft.

Next High Tide: 08/08/2018 13:40 (HST), 0.51 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI

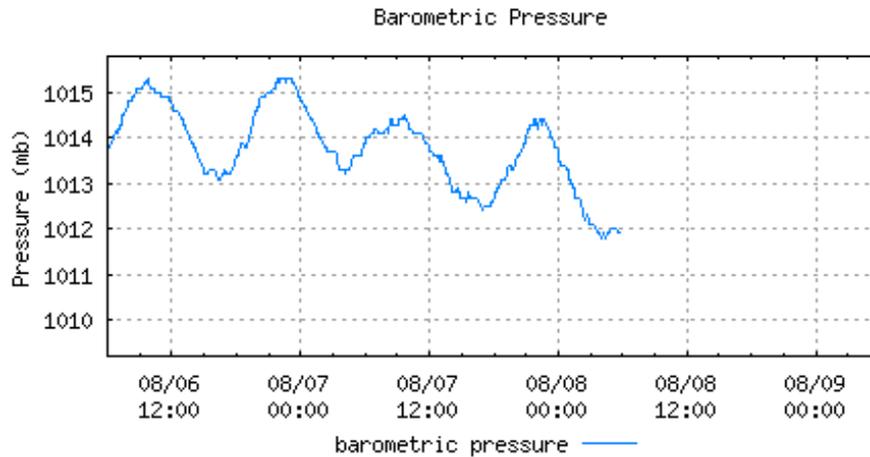
Wind Speed / Gusts / Direction



Last Observed Sample: 08/08/2018 05:42 (HST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 247° T

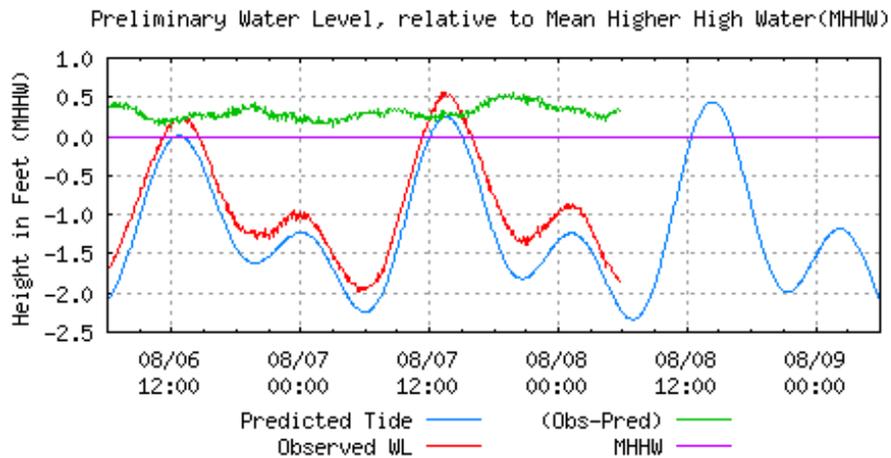
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/08/2018 05:42 (HST)

Barometric Pressure: 1011.9 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



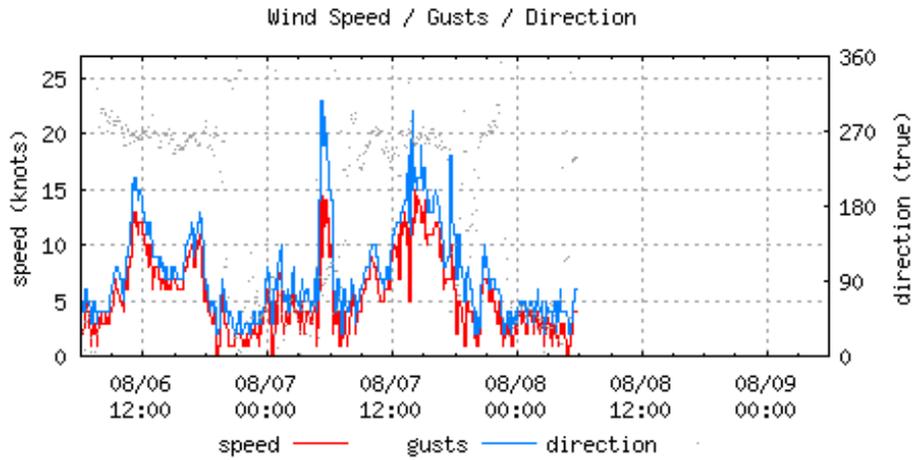
Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW

Observed: -1.86 ft. Predicted: -2.19 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/08/2018 14:21 (HST), 0.44 ft.

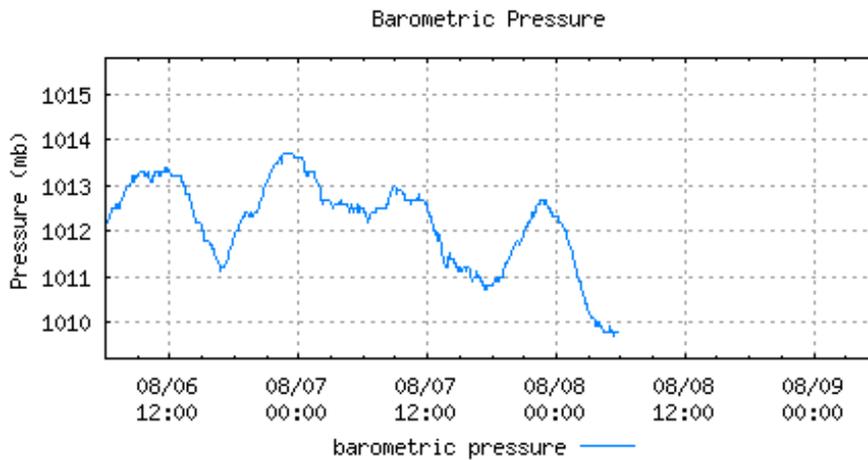
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/08/2018 05:42 (HST)

Wind Speed: 4 knots Gusts: 6 knots Direction: 238° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

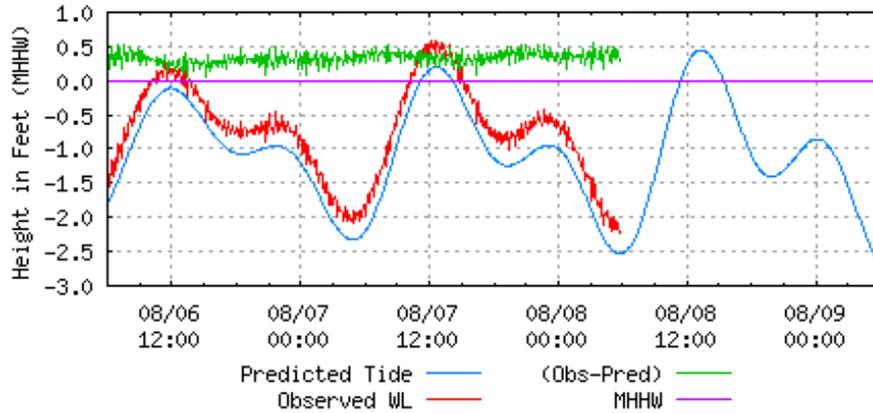


Last Observed Sample: 08/08/2018 05:42 (HST)

Barometric Pressure: 1009.8 mb

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

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



Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW

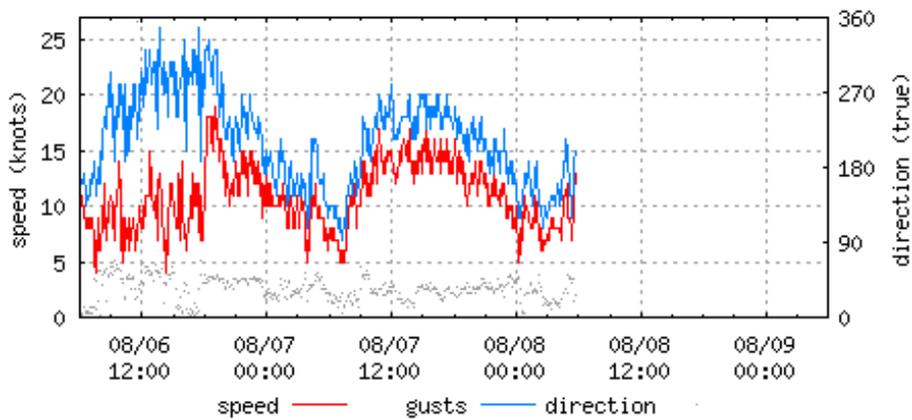
Observed: -2.24 ft. Predicted: -2.53 ft. Residual: 0.29 ft.

Historical Maximum Water Level: Aug 21 2017, 6.00 ft.

Next High Tide: 08/08/2018 13:19 (HST), 0.45 ft.

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

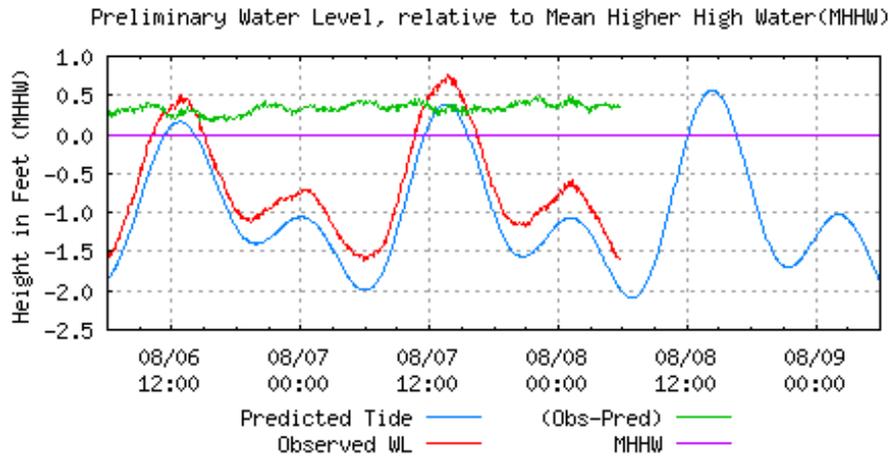
Wind Speed / Gusts / Direction



Last Observed Sample: 08/08/2018 05:42 (HST)

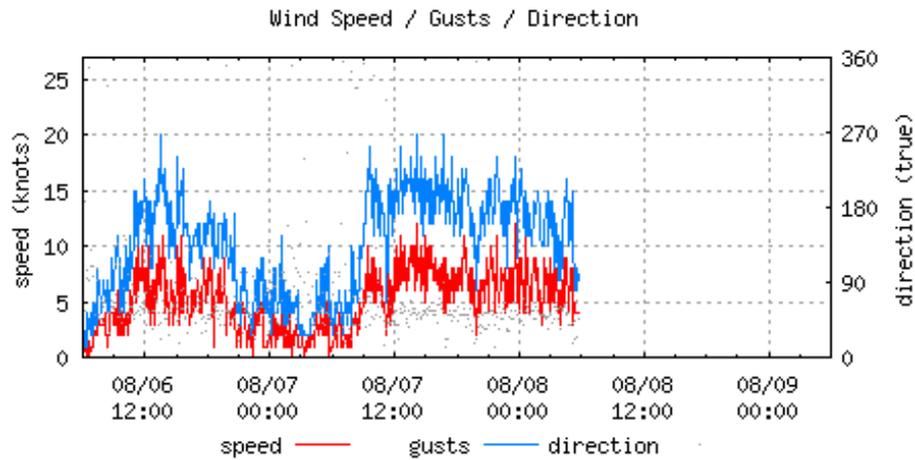
Wind Speed: 13 knots Gusts: 15 knots Direction: 27° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



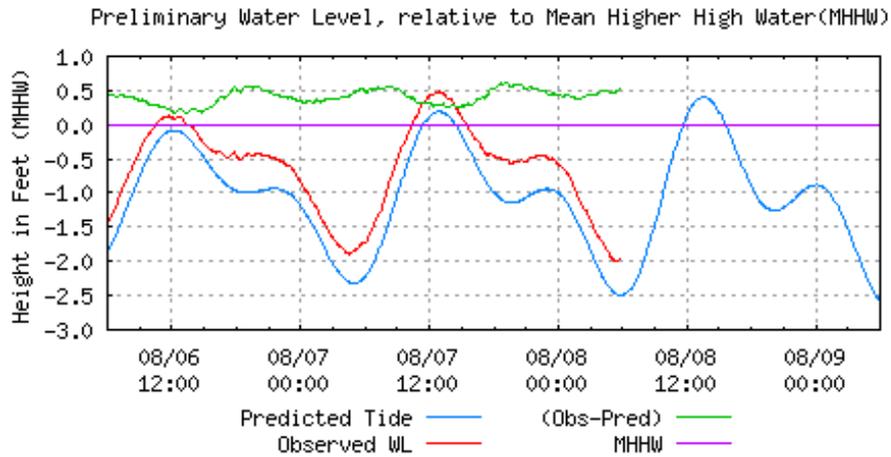
Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW  
**Observed: -1.60 ft. Predicted: -1.96 ft. Residual: 0.36 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 7.18 ft.  
 Next High Tide: 08/08/2018 14:20 (HST), 0.56 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



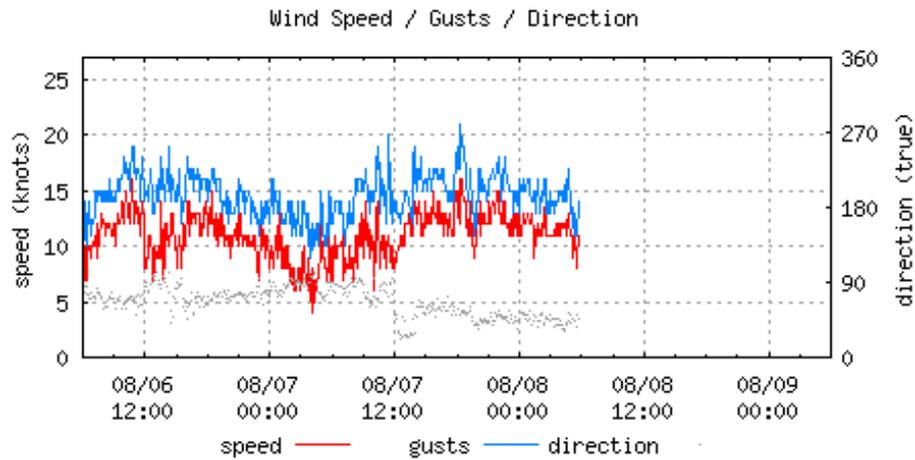
Last Observed Sample: 08/08/2018 05:42 (HST)  
**Wind Speed: 4 knots Gusts: 7 knots Direction: 46° T**

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



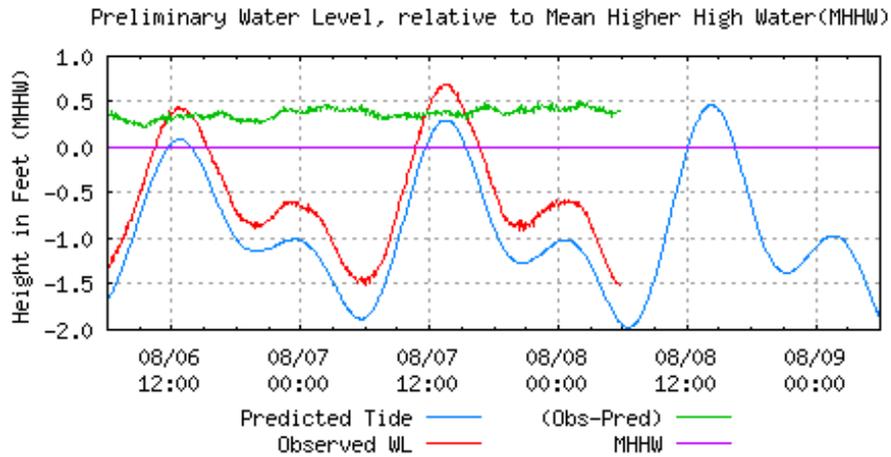
Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW  
**Observed: -1.97 ft. Predicted: -2.50 ft. Residual: 0.53 ft.**  
 Historical Maximum Water Level: Aug 21 2017, 6.51 ft.  
 Next High Tide: 08/08/2018 13:33 (HST), 0.40 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



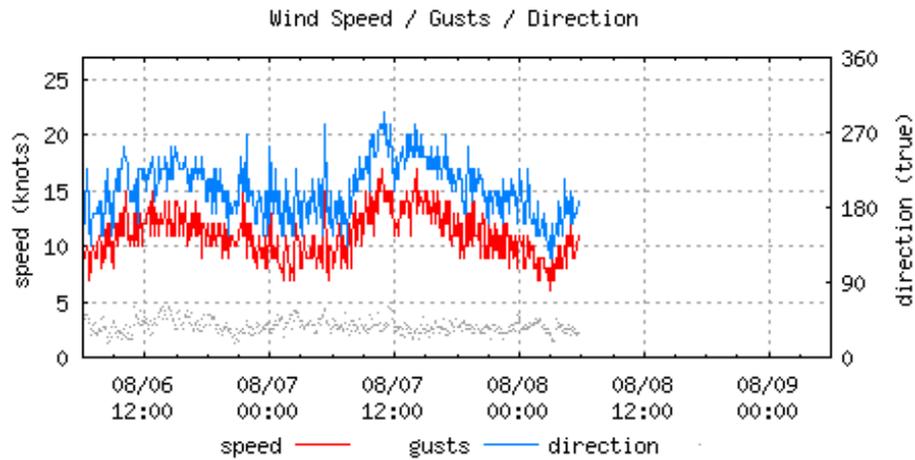
Last Observed Sample: 08/08/2018 05:42 (HST)  
**Wind Speed: 11 knots Gusts: 14 knots Direction: 45° T**

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/08/2018 05:42 (HST). Data relative to MHHW  
**Observed: -1.51 ft. Predicted: -1.91 ft. Residual: 0.40 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 7.27 ft.  
 Next High Tide: 08/08/2018 14:16 (HST), 0.47 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/08/2018 05:42 (HST)  
**Wind Speed: 11 knots Gusts: 14 knots Direction: 30° T**

Latest Water Level Observations on MHHW

<b>Station ID</b>	<b>Station Name</b>	<b>Date/Time</b>	<b>Observed Water Level</b>	<b>Predicted Tide</b>	<b>Residual Water Level</b>	<b>24 Hour Maximum Storm Tide</b>
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/08/2018 05:42 (HST)	-2.17 ft	-2.69 ft	0.52 ft	0.59 ft
1617433	Kawaihae, HI	08/08/2018 05:42 (HST)	-1.86 ft	-2.19 ft	0.33 ft	0.57 ft
1615680	Kahului, Kahului Harbor, HI	08/08/2018 05:42 (HST)	-2.24 ft	-2.53 ft	0.29 ft	0.59 ft
1612340	Honolulu, HI	08/08/2018 05:42 (HST)	-1.60 ft	-1.96 ft	0.36 ft	0.76 ft
1612480	Mokuoloe, HI	08/08/2018 05:42 (HST)	-1.97 ft	-2.50 ft	0.53 ft	0.49 ft
1611400	Nawiliwili, HI	08/08/2018 05:42 (HST)	-1.51 ft	-1.91 ft	0.40 ft	0.70 ft

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