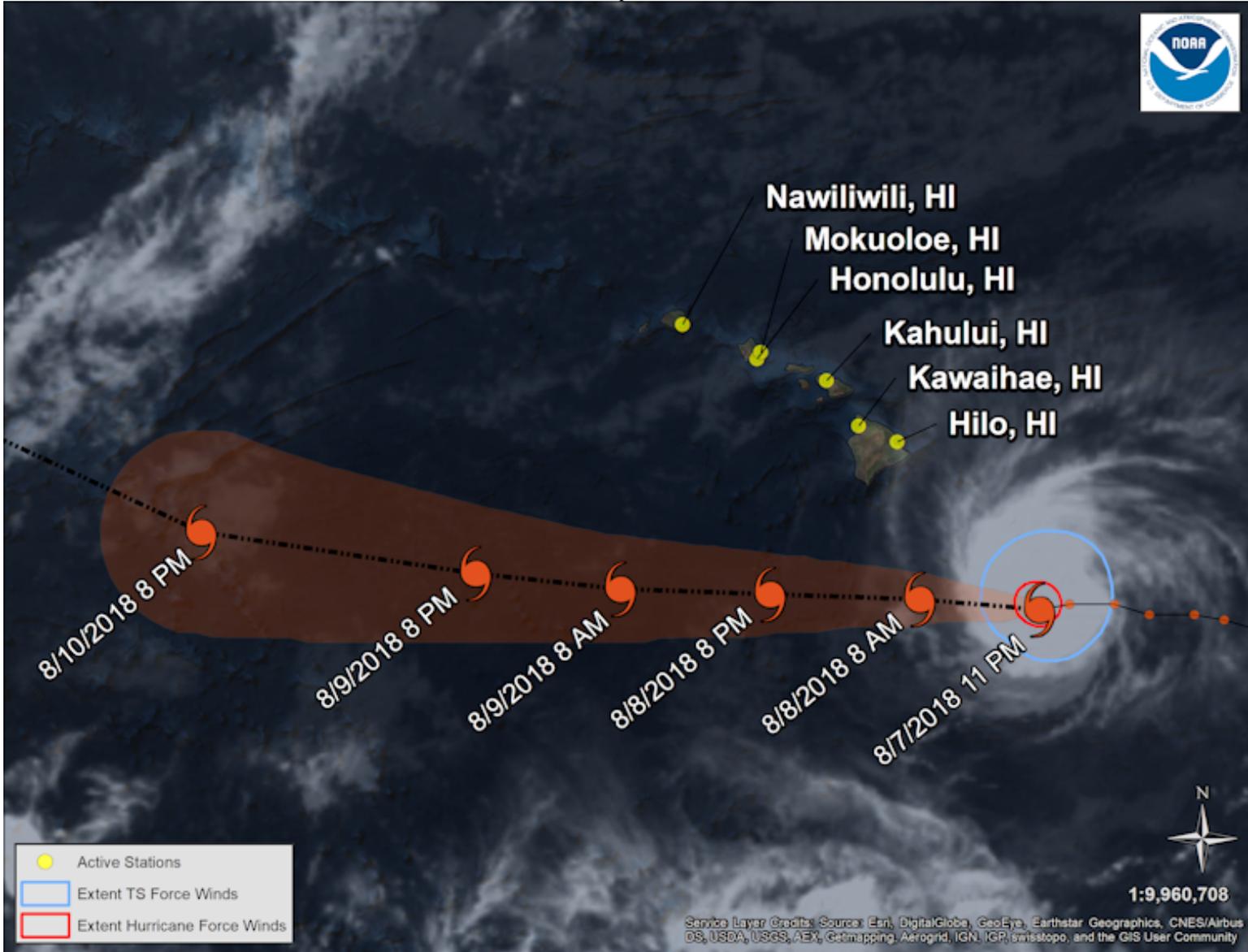




Hurricane Hector QuickLook  
 Posted: 00:00 HST 08/08/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/08/2018 00:00 HST, water levels across Hawaii are elevated .35 to .50 feet above predictions. Winds range between 10 to 15 knots with some gusts to 20 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: ADM

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

Hurricane Hector Advisory Number 32  
NWS Central Pacific Hurricane Center Honolulu HI  
1100 PM HST Tue Aug 07 2018

...POWERFUL HURRICANE HECTOR CONTINUING TO CHURN WESTWARD...  
...FAR NORTHERN FRINGES OF HECTOR ARE EXPECTED TO BRUSH THE BIG ISLAND ON WEDNESDAY...

#### 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.

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 1100 PM HST, the center of Hurricane Hector was located ABOUT 290 MI SE OF HILO HAWAII and ABOUT 500 MI SE OF HONOLULU HAWAII. Hector is moving toward the west near 16 mph, and this same general motion is expected to continue through Thursday evening. On the latest forecast track, the center of Hector is expected to pass about 150 miles south of the Big Island during the day on Wednesday. Remember, the effects of a hurricane are far reaching and can extend well away from the center.

Maximum sustained winds are near 125 mph 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 and dangerous hurricane through Thursday.

Hurricane-force winds extend outward up to 40 miles from the center and tropical-storm-force winds extend outward up to 115 miles.

The estimated minimum central pressure is 956 mb.

#### HAZARDS AFFECTING LAND

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SURF: Swells generated by Hector are expected to reach southeast and east facing shores of the Big Island and eastern Maui tonight. Surf will likely become large and dangerous starting early Wednesday morning, and continue through late Wednesday.

WIND: Tropical storm conditions are expected across portions of the Big Island on Wednesday 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 200 AM HST.  
Next complete advisory at 500 AM HST.

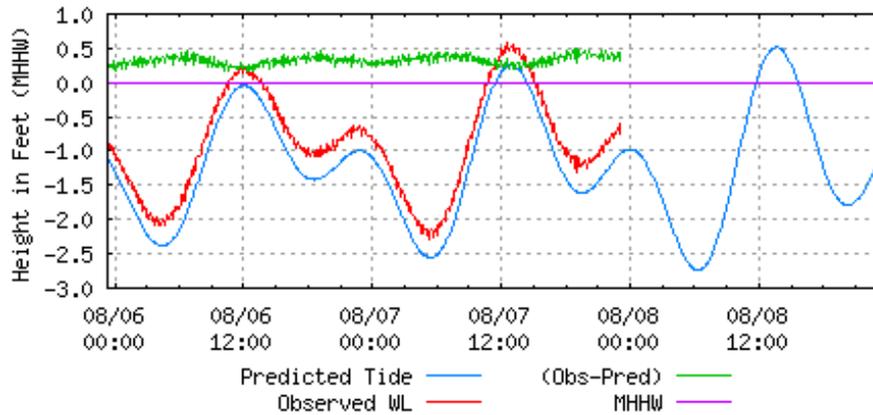
\$\$  
Forecaster Houston

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: 08/07/2018 23:06 (HST). Data relative to MHHW

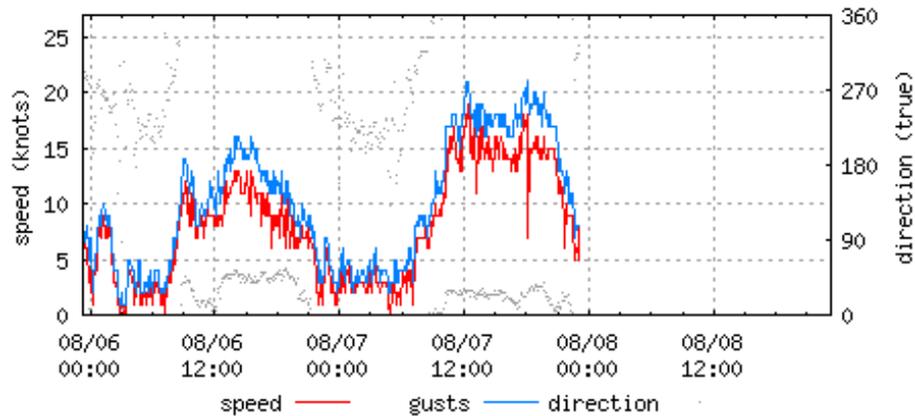
Observed: -0.61 ft. Predicted: -1.04 ft. Residual: 0.43 ft.

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

Next High Tide: 08/08/2018 00:00 (HST), -0.98 ft.

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

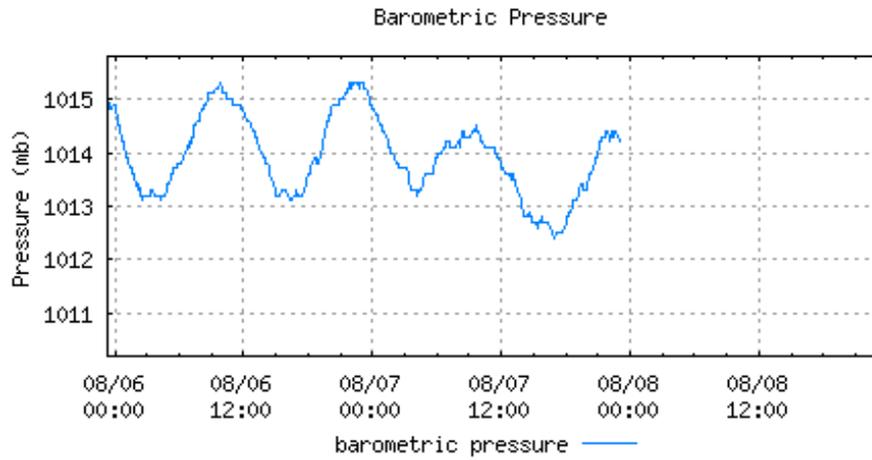
Wind Speed / Gusts / Direction



Last Observed Sample: 08/07/2018 23:06 (HST)

Wind Speed: 8 knots Gusts: 8 knots Direction: 314° T

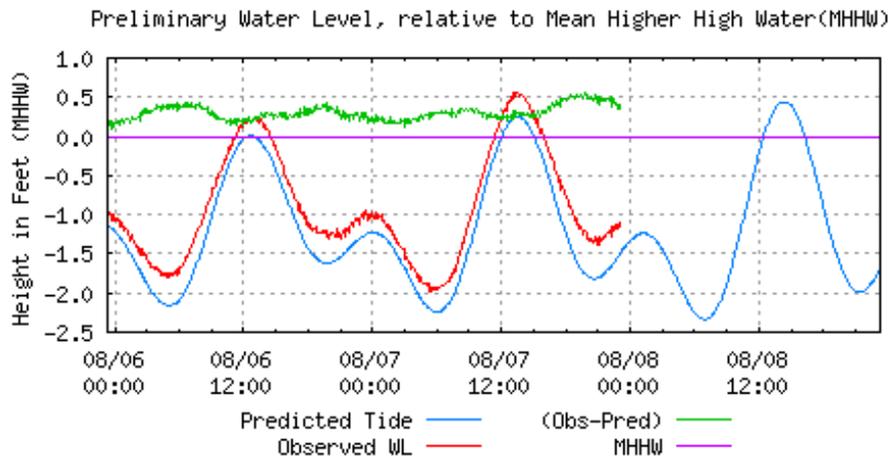
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/07/2018 23:06 (HST)

Barometric Pressure: 1014.2 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/07/2018 23:06 (HST). Data relative to MHHW

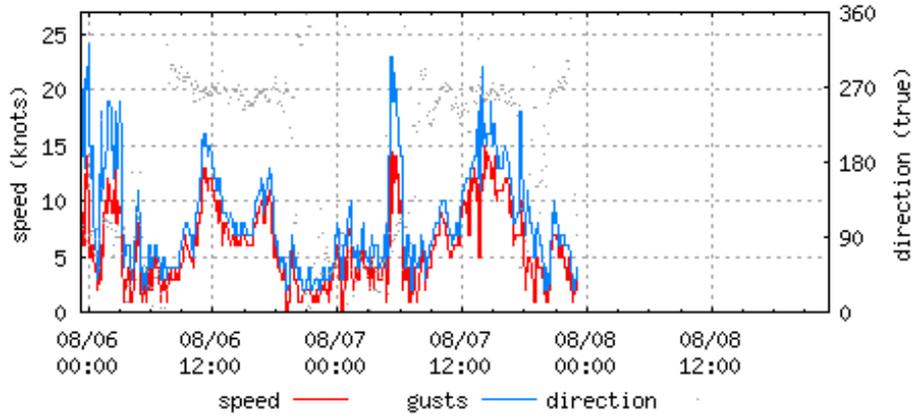
Observed: -1.14 ft. Predicted: -1.49 ft. Residual: 0.35 ft.

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

Next High Tide: 08/08/2018 01:15 (HST), -1.24 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

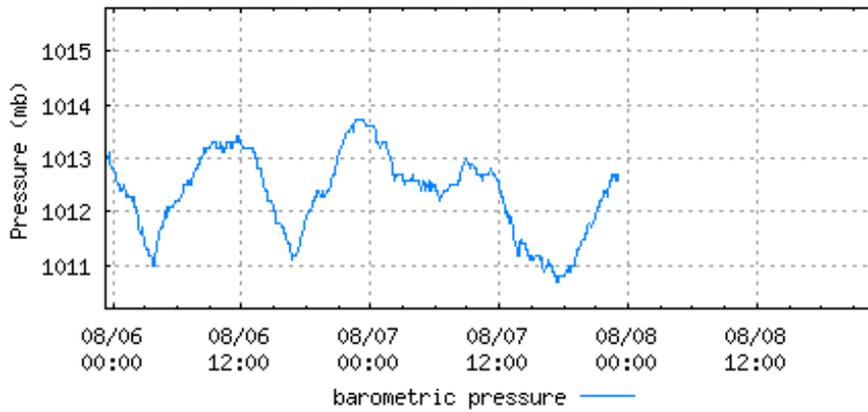


Last Observed Sample: 08/07/2018 23:06 (HST)

Wind Speed: 2 knots Gusts: 3 knots Direction: 92° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Barometric Pressure

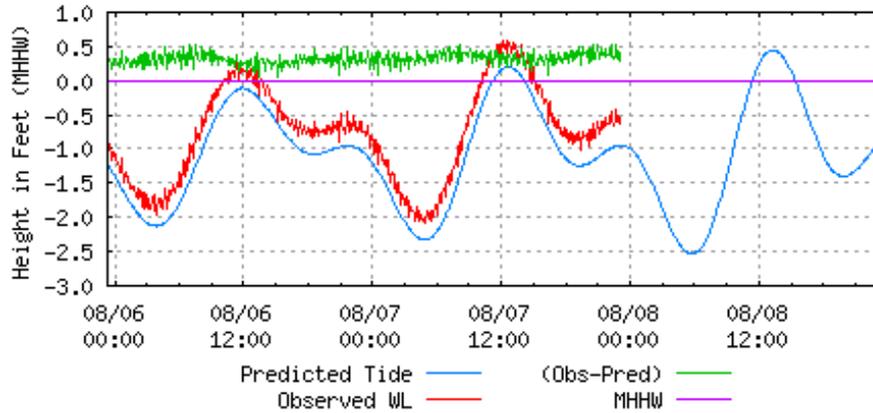


Last Observed Sample: 08/07/2018 23:06 (HST)

Barometric Pressure: 1012.6 mb

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

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



Last Observed Sample: 08/07/2018 23:06 (HST). Data relative to MHHW

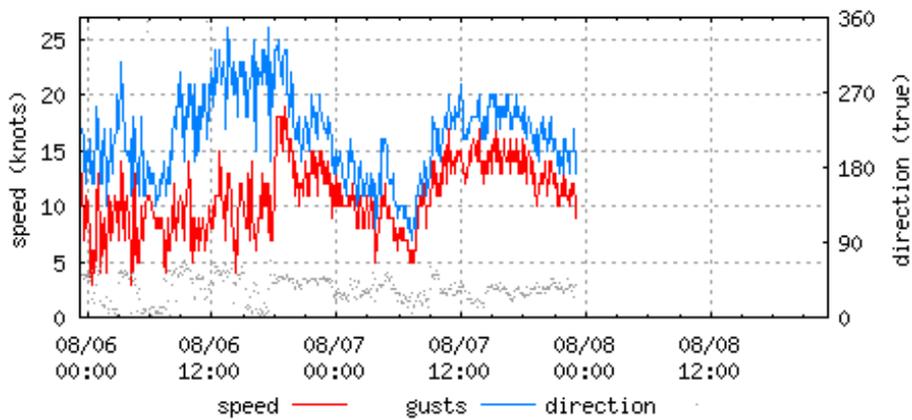
Observed: -0.64 ft. Predicted: -0.94 ft. Residual: 0.30 ft.

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

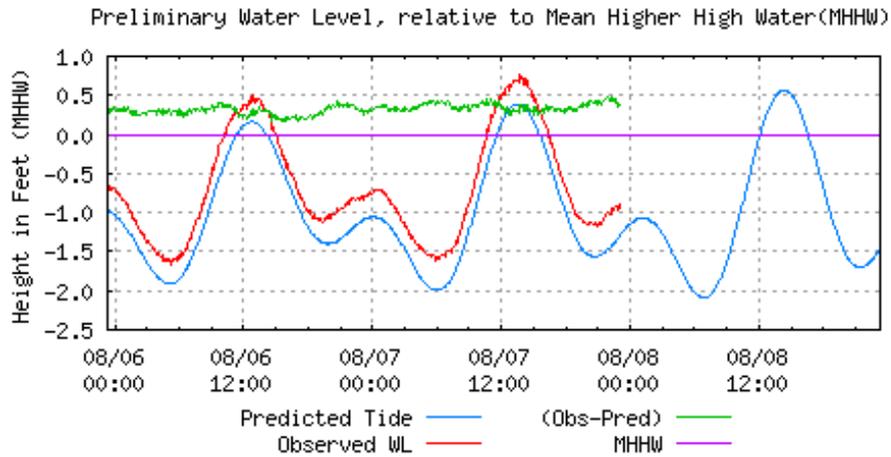
Wind Speed / Gusts / Direction



Last Observed Sample: 08/07/2018 23:06 (HST)

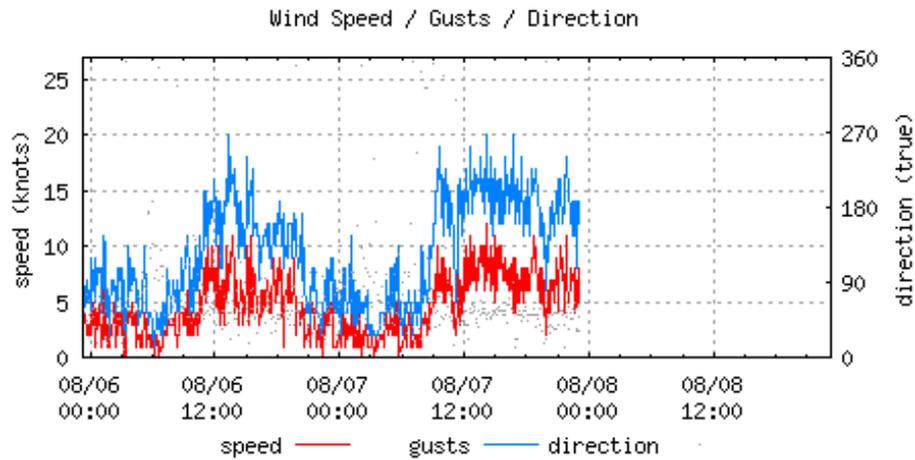
Wind Speed: 9 knots Gusts: 14 knots Direction: 40° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



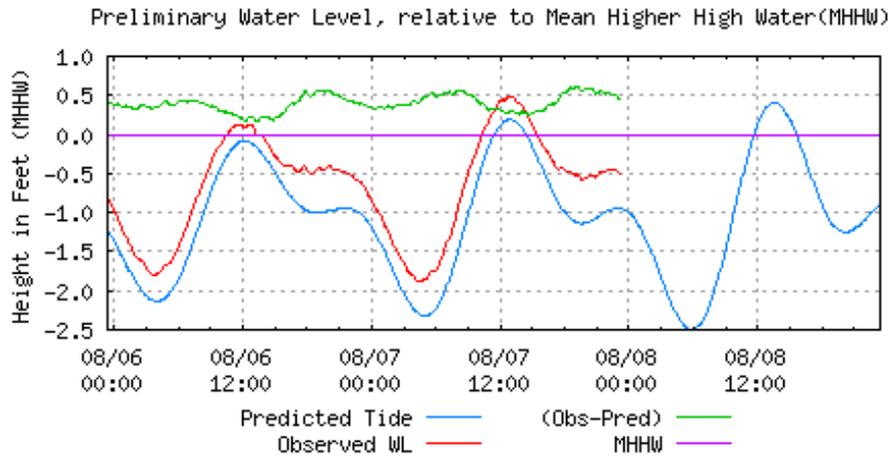
Last Observed Sample: 08/07/2018 23:06 (HST). Data relative to MHHW  
**Observed: -0.90 ft. Predicted: -1.28 ft. Residual: 0.38 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 7.18 ft.  
 Next High Tide: 08/08/2018 01:11 (HST), -1.07 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



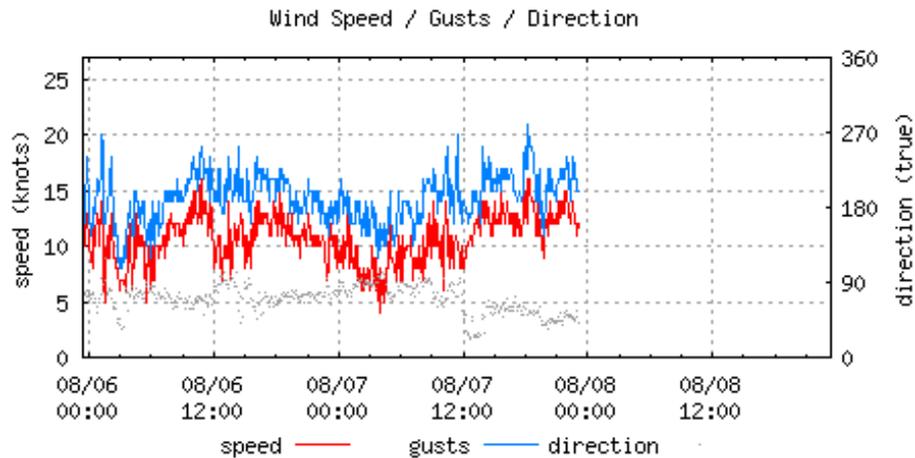
Last Observed Sample: 08/07/2018 23:06 (HST)  
**Wind Speed: 8 knots Gusts: 12 knots Direction: 49° T**

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



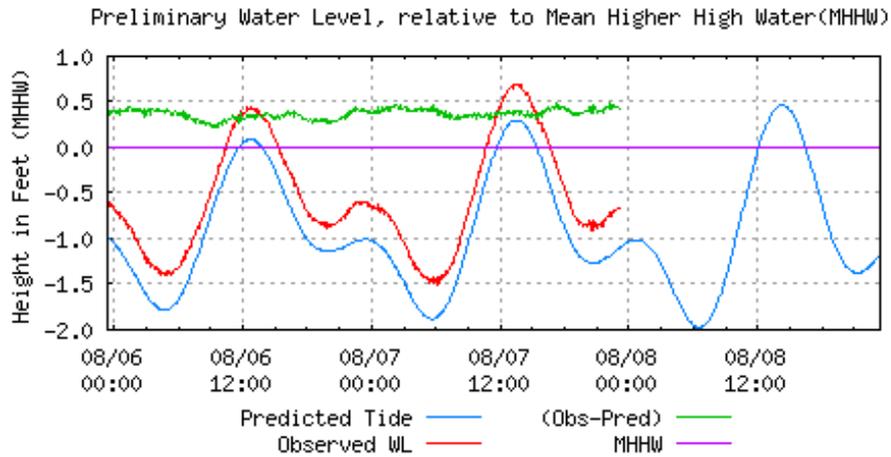
Last Observed Sample: 08/07/2018 23:06 (HST). Data relative to MHHW  
**Observed: -0.50 ft. Predicted: -0.95 ft. Residual: 0.45 ft.**  
 Historical Maximum Water Level: Aug 21 2017, 6.51 ft.  
 Next High Tide: 08/08/2018 13:33 (HST), 0.40 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



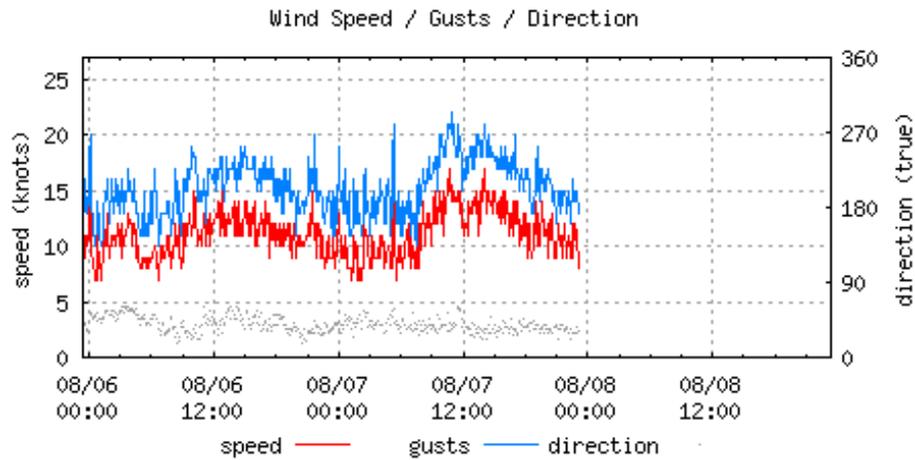
Last Observed Sample: 08/07/2018 23:06 (HST)  
**Wind Speed: 12 knots Gusts: 15 knots Direction: 42° T**

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/07/2018 23:06 (HST). Data relative to MHHW  
**Observed: -0.67 ft. Predicted: -1.10 ft. Residual: 0.43 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 7.27 ft.  
 Next High Tide: 08/08/2018 00:41 (HST), -1.02 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/07/2018 23:06 (HST)  
**Wind Speed: 8 knots Gusts: 13 knots Direction: 31° 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	08/07/2018 23:06 (HST)	-0.61 ft	-1.04 ft	0.43 ft	0.59 ft
1617433	Kawaihae, HI	08/07/2018 23:06 (HST)	-1.14 ft	-1.49 ft	0.35 ft	0.57 ft
1615680	Kahului, Kahului Harbor, HI	08/07/2018 23:06 (HST)	-0.64 ft	-0.94 ft	0.30 ft	0.59 ft
1612340	Honolulu, HI	08/07/2018 23:06 (HST)	-0.90 ft	-1.28 ft	0.38 ft	0.76 ft
1612480	Mokuoloe, HI	08/07/2018 23:06 (HST)	-0.50 ft	-0.95 ft	0.45 ft	0.49 ft
1611400	Nawiliwili, HI	08/07/2018 23:06 (HST)	-0.67 ft	-1.10 ft	0.43 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