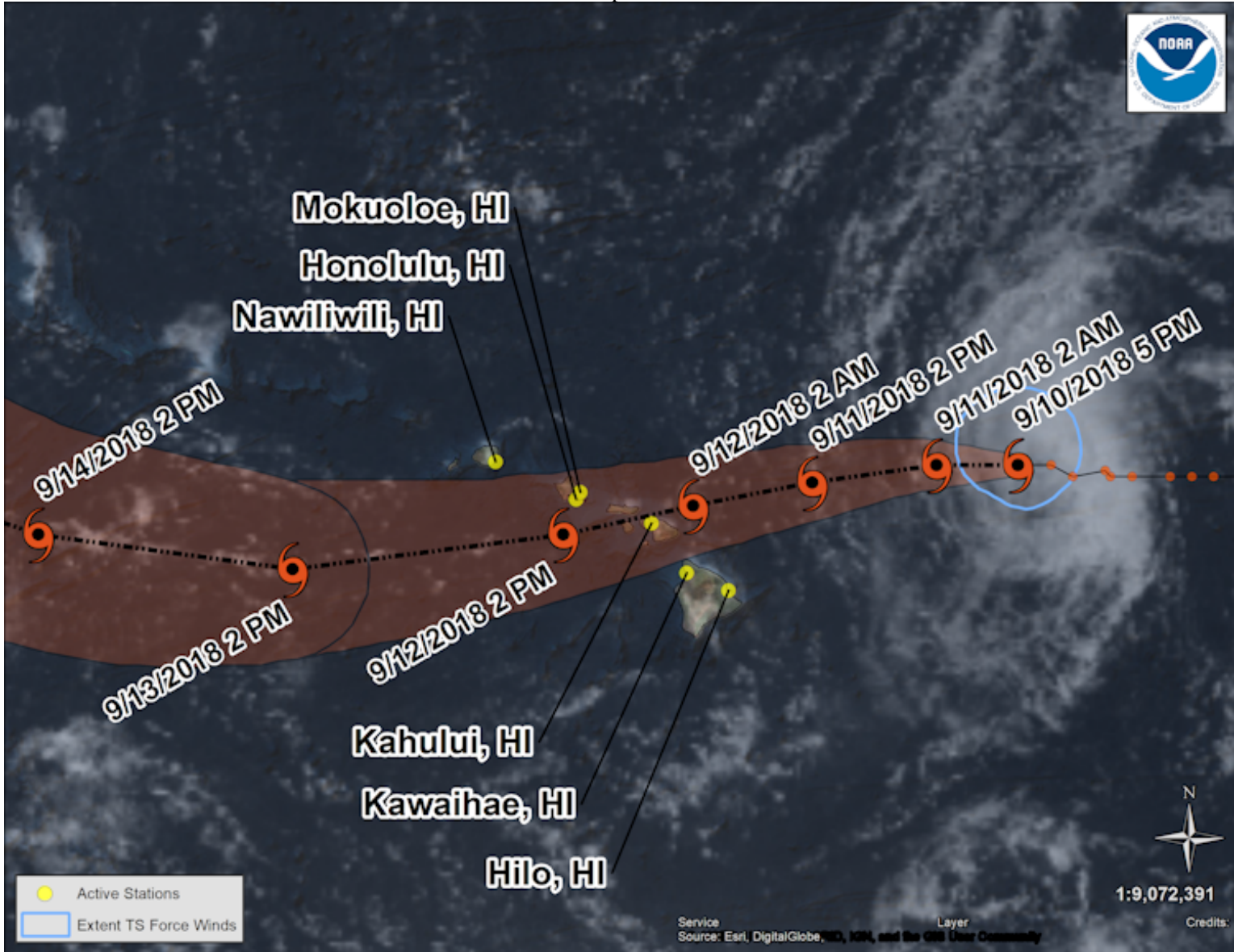




Tropical Storm Olivia QuickLook  
 Posted: 18:00 HST 09/10/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/10/2018 18:00 HST, water levels across the Hawaiian Islands are slightly elevated and range between 0.3 and 0.8 feet above normal tide levels. Winds remain 15 knots or less, with gusts to 20 knots, and barometric pressure is generally steady.

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: CMF

-----  
Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Olivia Advisory Number 42  
NWS Central Pacific Hurricane Center Honolulu HI EP172018  
500 PM HST Mon Sep 10 2018

...OLIVIA DRAWING CLOSER TO THE MAIN HAWAIIAN ISLANDS WHILE SLOWLY WEAKENING...

#### WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued for Oahu.

A Tropical Storm Watch has been issued for Kauai and Niihau.

#### SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- \* Oahu
- \* Maui County...including the islands of Maui, Molokai, Lanai, and Kahoolawe
- \* Hawaii County

A Tropical Storm Watch is in effect for...

- \* Kauai County...including the islands of Kauai and Niihau.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere in the warning area within 36 hours.

A Tropical Storm Watch means that tropical storm conditions are possible in the watch area within 48 hours.

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

#### DISCUSSION AND OUTLOOK

-----  
At 500 PM HST (0300 UTC), the center of Tropical Storm Olivia was located near latitude 21.9 North, longitude 149.7 West. Olivia is moving toward the west near 10 mph (17 km/h). A continued west to west-southwest motion is

expected for the next few days. On the forecast track, Olivia will be moving over the main Hawaiian Islands late Tuesday night into Wednesday.

Maximum sustained winds are near 70 mph (110 km/h) with higher gusts. Gradual weakening is forecast during the next 48 hours, but Olivia is expected to remain a tropical storm as it moves across the islands.

Tropical-storm-force winds extend outward up to 90 miles (150 km) from the center.

The estimated minimum central pressure is 991 mb (29.27 inches).

#### HAZARDS AFFECTING LAND

-----  
WIND: Tropical storm conditions are expected over Maui County and the Big Island starting late Tuesday or Tuesday night. Tropical storm conditions are expected over Oahu starting late Tuesday night or Wednesday morning. Tropical storm conditions are possible over Kauai County starting Wednesday afternoon.

RAINFALL: Olivia is expected to produce total rainfall accumulations of 10 to 15 inches. Isolated maximum amounts of 20 inches are possible, especially over windward sections of Maui County and the Big Island. This rainfall may produce life-threatening flash flooding.

SURF: Large swells generated by Olivia will spread from east to west across the Hawaiian Islands over the next couple of days. This will cause surf to build along exposed east facing shorelines as Olivia approaches. This surf may become damaging across parts of the state. See the High Surf Warning from National Weather Service Honolulu for more information.

#### NEXT ADVISORY

-----  
Next intermediate advisory at 800 PM HST.  
Next complete advisory at 1100 PM HST.

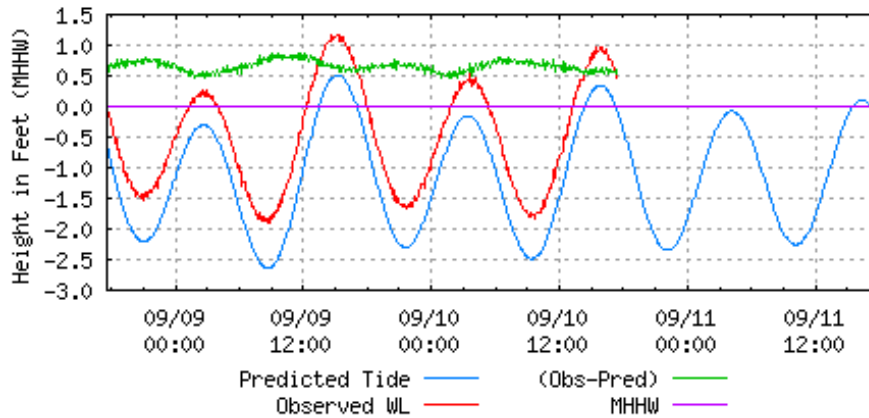
Forecaster R Ballard

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](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

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

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



Last Observed Sample: 09/10/2018 17:24 (HST). Data relative to MHHW

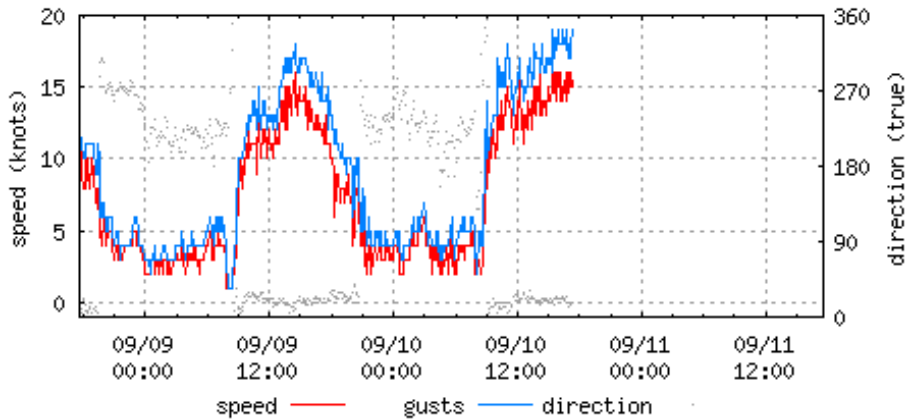
Observed: 0.47 ft. Predicted: -0.06 ft. Residual: 0.53 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 09/11/2018 04:09 (HST), -0.08 ft.

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

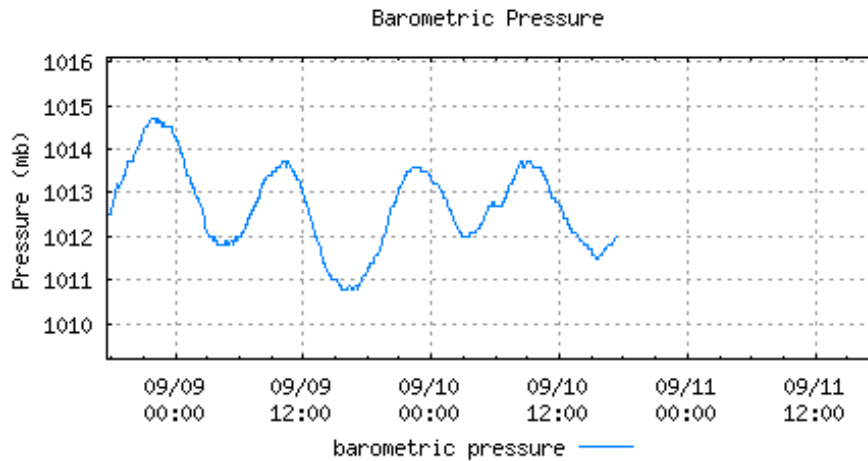
Wind Speed / Gusts / Direction



Last Observed Sample: 09/10/2018 17:24 (HST)

Wind Speed: 15 knots Gusts: 19 knots Direction: 18° T

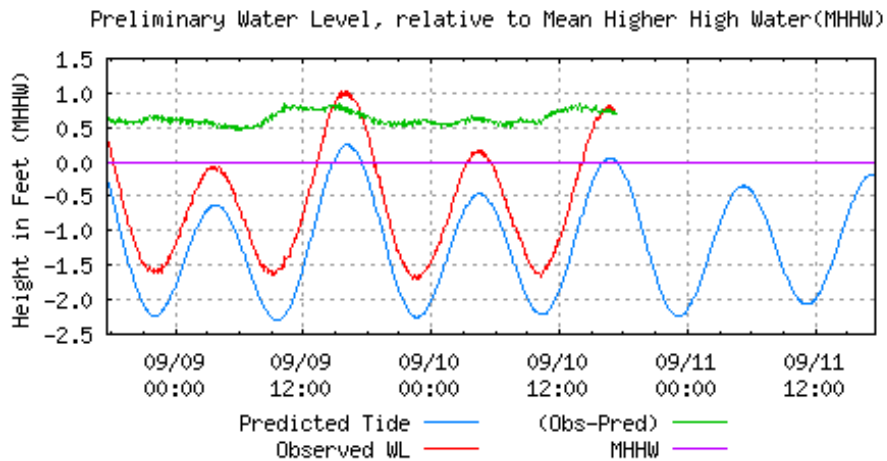
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/10/2018 17:24 (HST)

Barometric Pressure: 1012.0 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



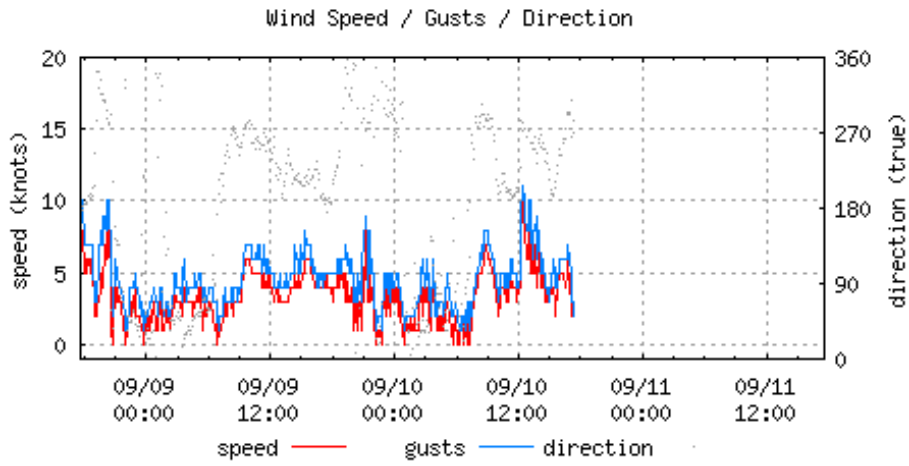
Last Observed Sample: 09/10/2018 17:24 (HST). Data relative to MHHW

Observed: 0.70 ft. Predicted: 0.00 ft. Residual: 0.70 ft.

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

Next High Tide: 09/11/2018 05:15 (HST), -0.35 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/10/2018 17:24 (HST)

Wind Speed: 2 knots Gusts: 2 knots Direction: 271° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

NOAA/NOS/CO-OPS

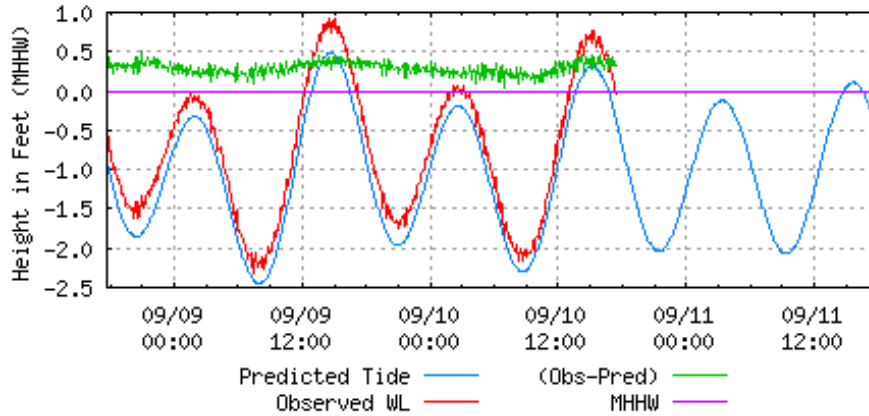
This data type is not currently available from this station.					
--	--	--	--	--	--

Last Observed Sample: 09/10/2018 17:24 (HST)

Barometric Pressure: 1010.2 mb

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

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



Last Observed Sample: 09/10/2018 17:24 (HST). Data relative to MHHW

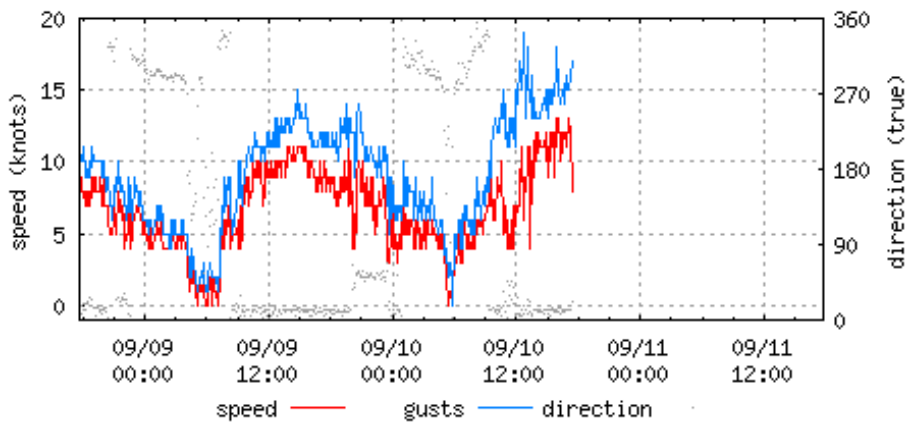
Observed: -0.04 ft. Predicted: -0.36 ft. Residual: 0.32 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 09/11/2018 03:21 (HST), -0.12 ft.

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

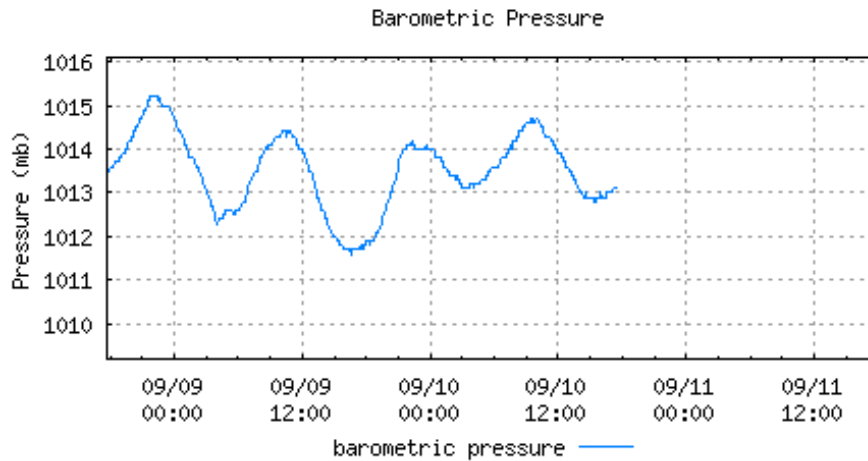
Wind Speed / Gusts / Direction



Last Observed Sample: 09/10/2018 17:24 (HST)

Wind Speed: 8 knots Gusts: 17 knots Direction: 21° T

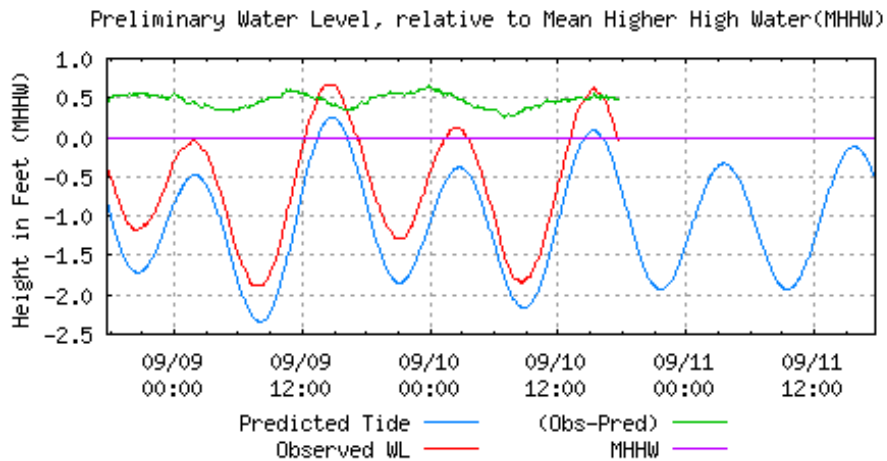
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/10/2018 17:24 (HST)

Barometric Pressure: 1013.1 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/10/2018 17:36 (HST). Data relative to MHHW

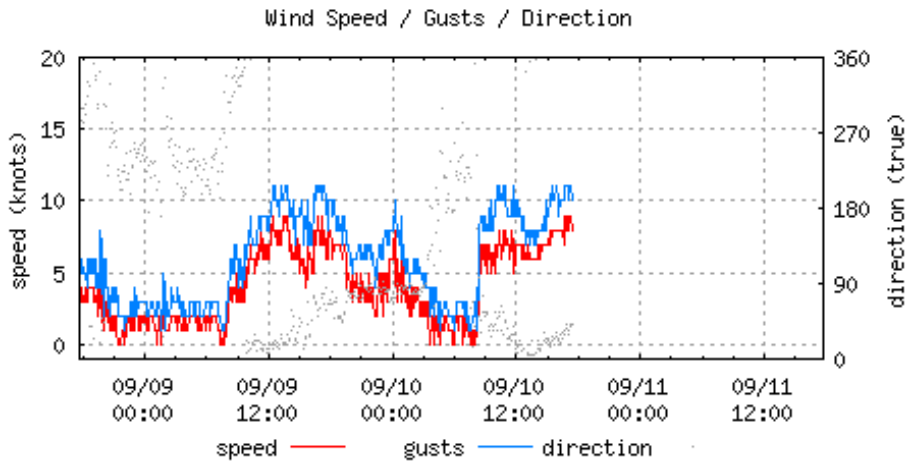
Observed: -0.05 ft. Predicted: -0.53 ft. Residual: 0.48 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 09/11/2018 03:31 (HST), -0.33 ft.



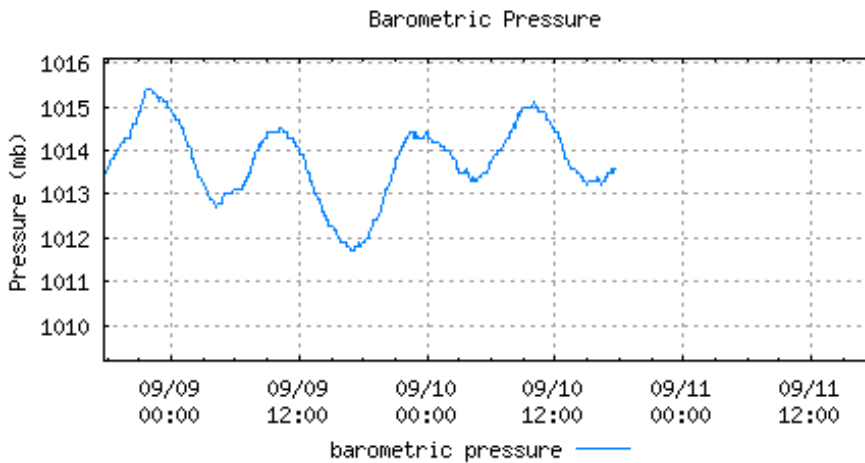
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/10/2018 17:36 (HST)

Wind Speed: 8 knots Gusts: 10 knots Direction: 42° T

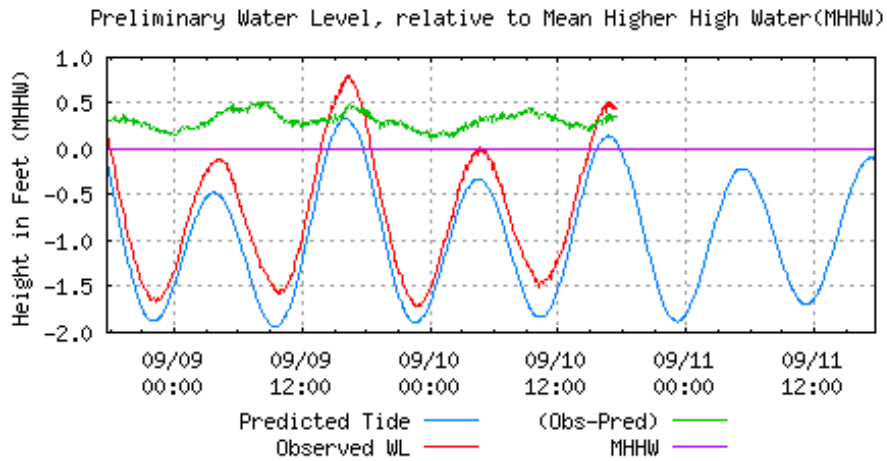
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/10/2018 17:36 (HST)

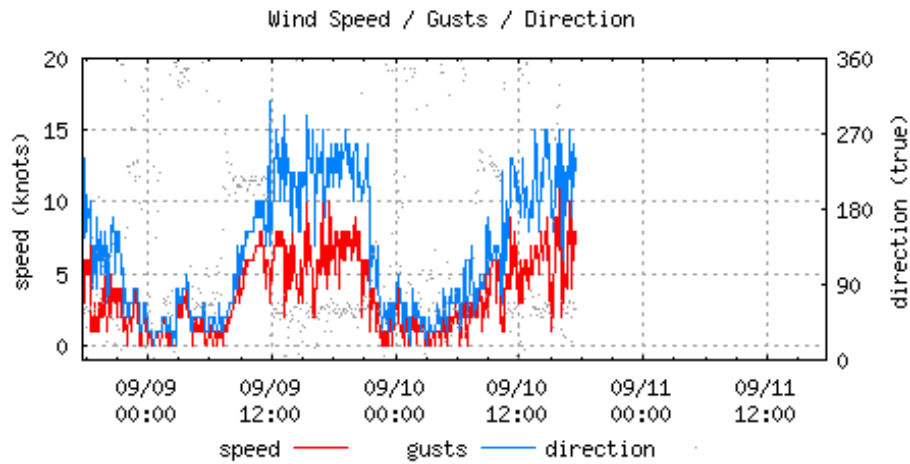
Barometric Pressure: 1013.6 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



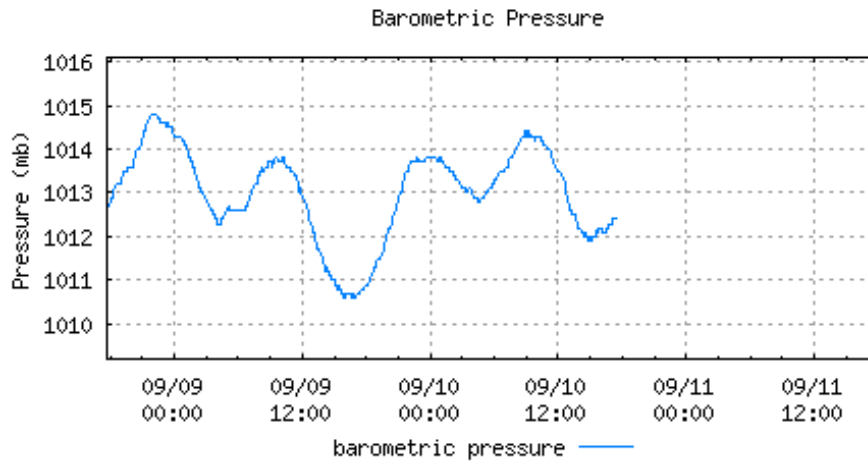
Last Observed Sample: 09/10/2018 17:24 (HST). Data relative to MHHW  
**Observed: 0.44 ft. Predicted: 0.09 ft. Residual: 0.35 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.  
 Next High Tide: 09/11/2018 05:15 (HST), -0.21 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/10/2018 17:24 (HST)  
**Wind Speed: 8 knots Gusts: 13 knots Direction: 61° T**

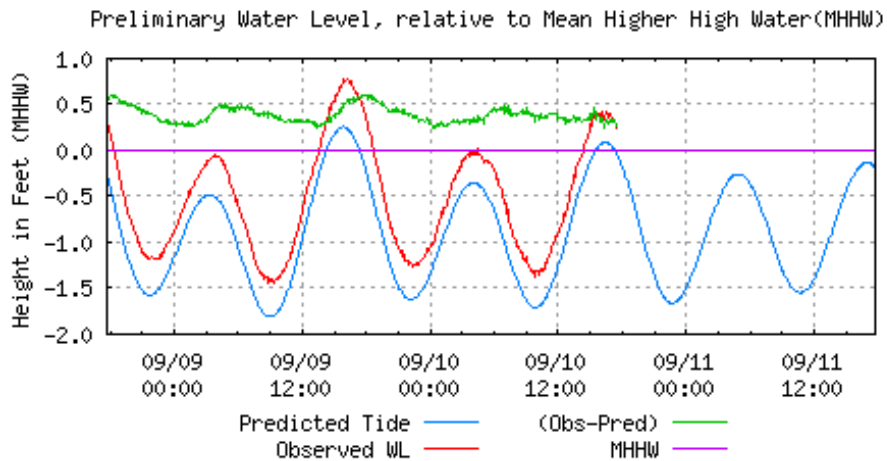
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/10/2018 17:24 (HST)

Barometric Pressure: 1012.4 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



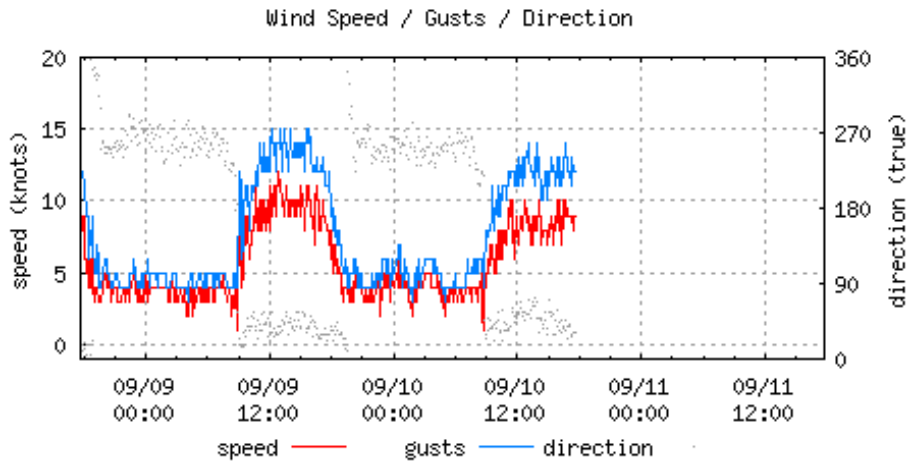
Last Observed Sample: 09/10/2018 17:36 (HST). Data relative to MHHW

Observed: 0.25 ft. Predicted: -0.02 ft. Residual: 0.27 ft.

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

Next High Tide: 09/11/2018 04:52 (HST), -0.26 ft.

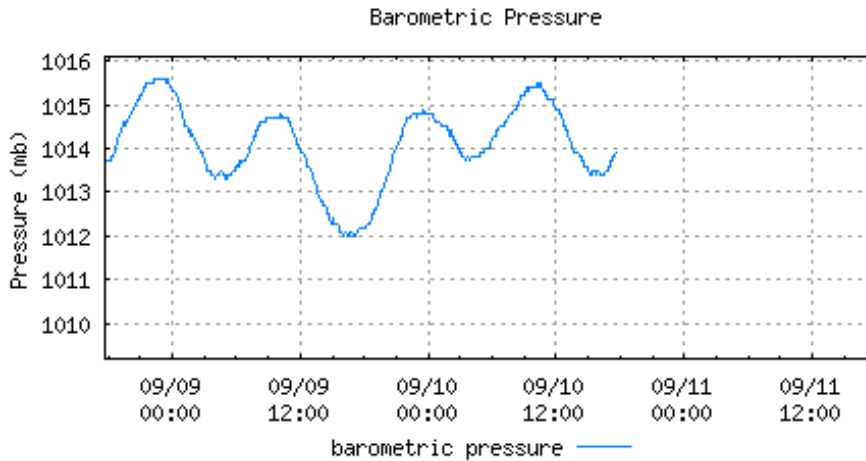
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/10/2018 17:36 (HST)

Wind Speed: 9 knots Gusts: 12 knots Direction: 32° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/10/2018 17:36 (HST)

Barometric Pressure: 1013.9 mb

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	09/10/2018 17:24 (HST)	0.47 ft	-0.06 ft	0.53 ft	0.96 ft
1617433	Kawaihae, HI	09/10/2018 17:24 (HST)	0.70 ft	0.00 ft	0.70 ft	0.83 ft
1615680	Kahului, Kahului Harbor, HI	09/10/2018 17:24 (HST)	-0.04 ft	-0.36 ft	0.32 ft	0.78 ft
1612480	Mokuoloe, HI	09/10/2018 17:36 (HST)	-0.05 ft	-0.53 ft	0.48 ft	0.63 ft
1612340	Honolulu, HI	09/10/2018 17:24 (HST)	0.44 ft	0.09 ft	0.35 ft	0.53 ft
1611400	Nawiliwili, HI	09/10/2018 17:36 (HST)	0.25 ft	-0.02 ft	0.27 ft	0.58 ft

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