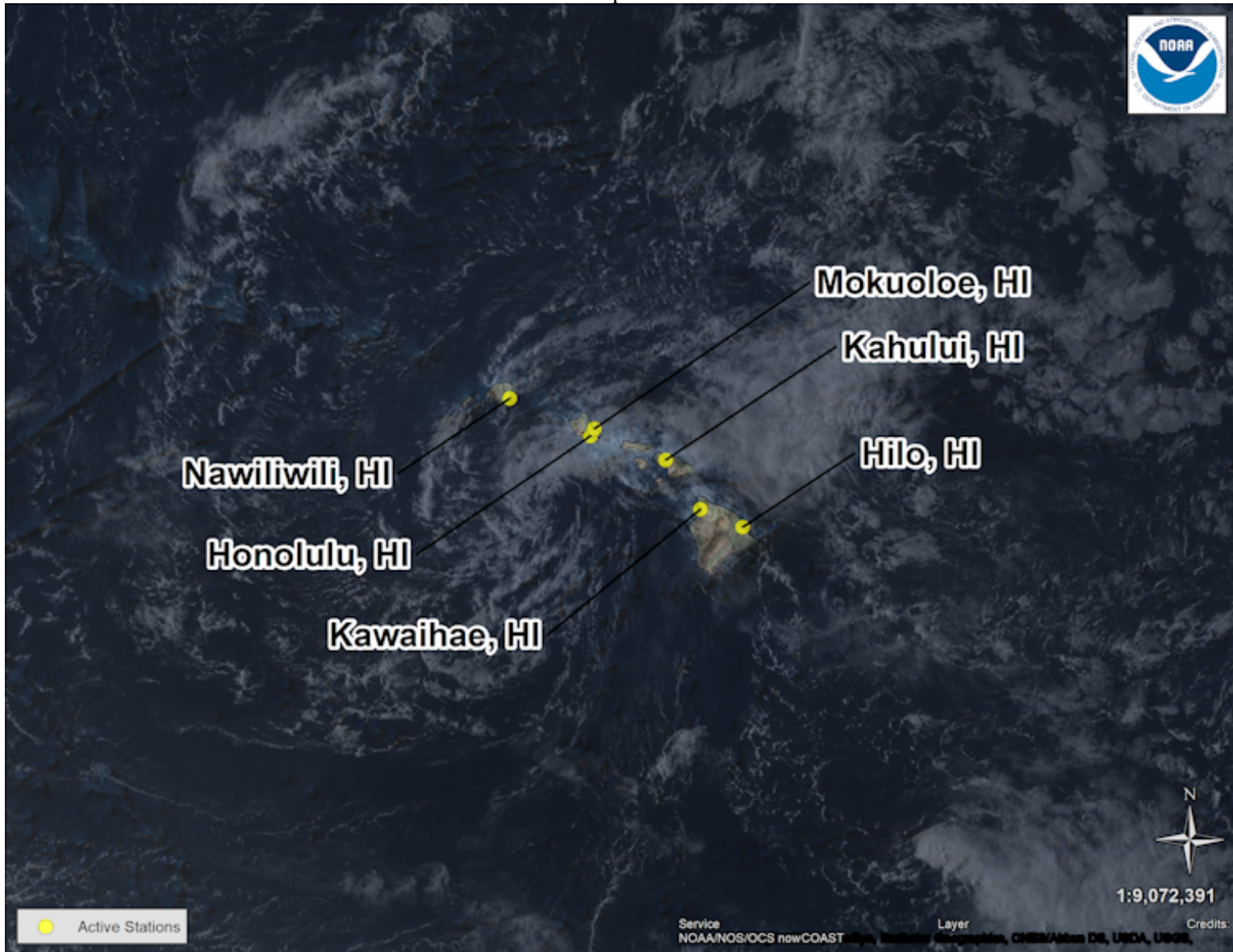




Tropical Storm Olivia QuickLook
Posted: 17:00 HST 09/12/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the Central Pacific Hurricane Center (CPHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 9/12/2018 17:00 HST, water levels across the Hawaiian Islands remain slightly elevated and range between 0.2 and 0.9 feet above normal tide levels. Winds are decreasing across the Hawaiian Islands and presently range between 5 to 15 knots with slightly higher gusts. Barometric pressure is slowly rising or remaining steady across the region as Olivia continues to move westward.

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 50
NWS Central Pacific Hurricane Center Honolulu HI EP172018
500 PM HST Wed Sep 12 2018

...WEAKENING OLIVIA MOVING AWAY FROM THE STATE TOWARD THE WEST-SOUTHWEST...

WATCHES AND WARNINGS

----- CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued for Oahu and Maui County...including the islands of Maui...Molokai...and Lanai.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

There are no coastal watches or warnings in effect.

Interests in the Northwest Hawaiian Islands should monitor the progress of Olivia.

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 20.1 North, longitude 159.0 West. Olivia is moving toward the west-southwest near 20 mph (31 km/h). This motion is expected to continue through tomorrow with a slight decrease in forward speed, followed by a turn toward the west on Friday.

Maximum sustained winds are near 40 mph (65 km/h) with higher gusts. Weakening is forecast during the next 48 hours, and Olivia is expected to become a post-tropical remnant low on Thursday night or Friday.

Tropical-storm-force winds extend outward up to 70 miles (110 km) from the center.

The estimated minimum central pressure is 1007 mb (29.74 inches).

HAZARDS AFFECTING LAND

RAINFALL: Areas of heavy rainfall will persist through Thursday night. Moisture associated with Olivia is expected to produce total rainfall accumulations of 5 to 10 inches in some areas, with isolated amounts of 15 inches, especially in higher terrain. This rainfall may produce life-threatening flash flooding. Nine inches of rain have already fallen over parts of Maui.

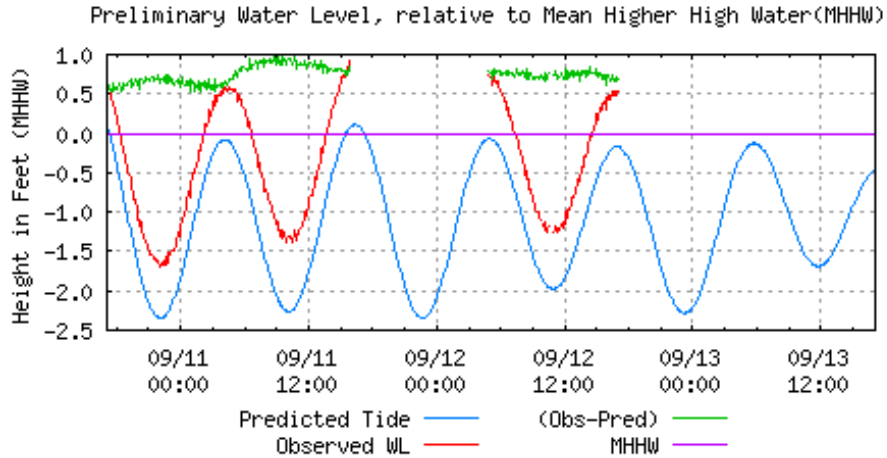
SURF: Large swells generated by Olivia will impact parts of the main Hawaiian Islands into tonight. This will result in dangerous surf along east facing shores.

Forecaster Wroe

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.

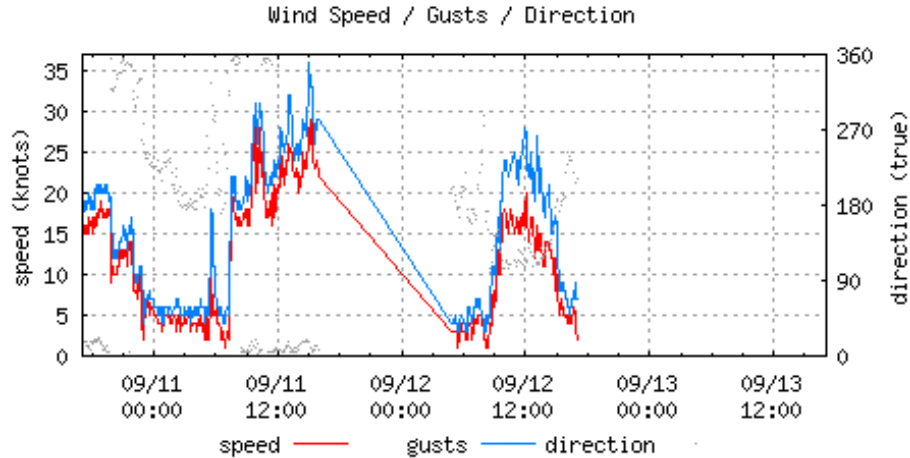
Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#),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



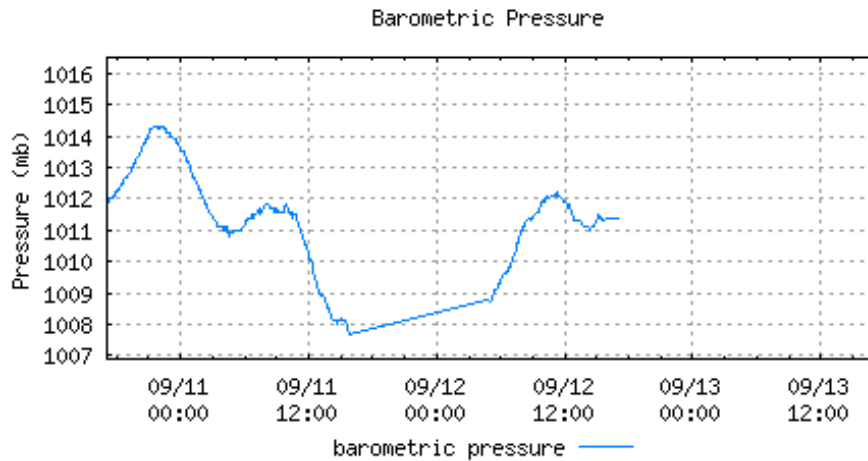
Last Observed Sample: 09/12/2018 17:06 (HST). Data relative to MHHW
Observed: 0.48 ft. Predicted: -0.18 ft. Residual: 0.66 ft.
 Historical Maximum Water Level: Jul 24 2017, 1.54 ft.
 Next High Tide: 09/13/2018 05:45 (HST), -0.12 ft.

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



Last Observed Sample: 09/12/2018 17:06 (HST)
Wind Speed: 3 knots Gusts: 5 knots Direction: 220° T

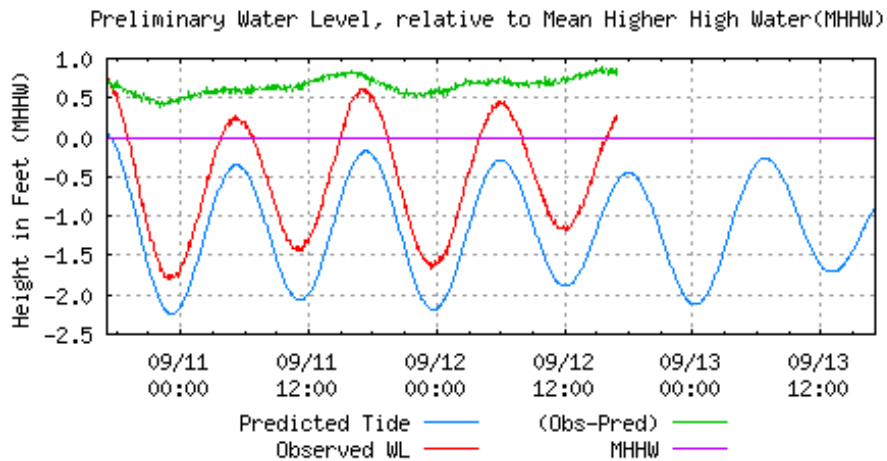
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/12/2018 17:06 (HST)

Barometric Pressure: 1011.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/12/2018 17:06 (HST). Data relative to MHHW

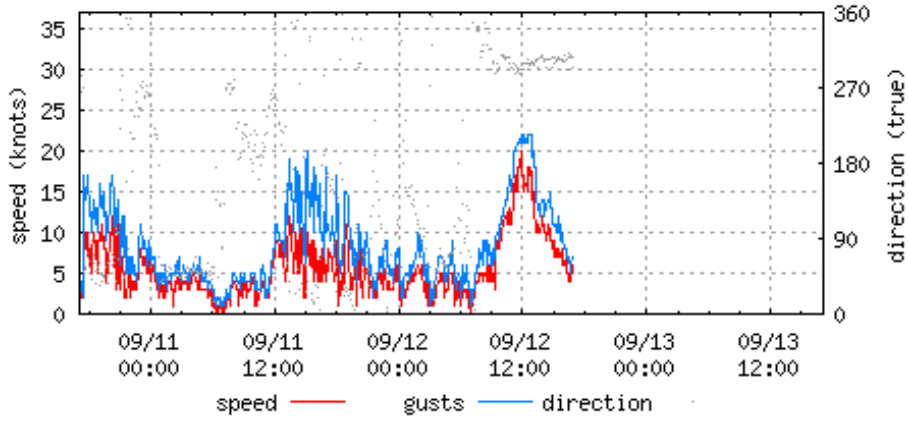
Observed: 0.31 ft. Predicted: -0.53 ft. Residual: 0.84 ft.

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

Next High Tide: 09/12/2018 17:58 (HST), -0.45 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

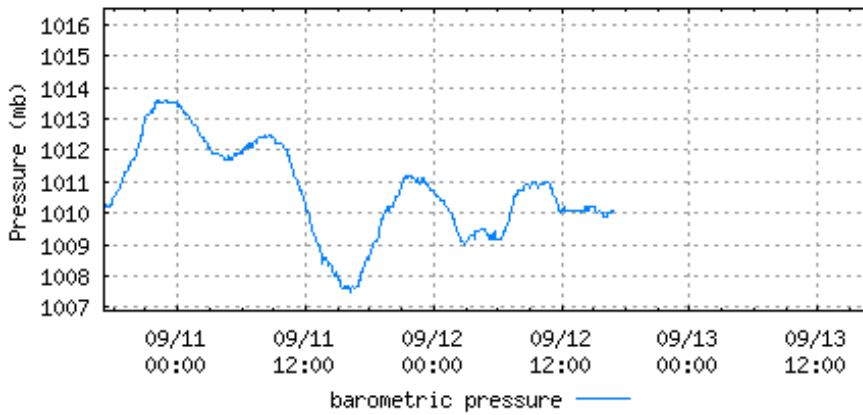


Last Observed Sample: 09/12/2018 17:06 (HST)

Wind Speed: 4 knots Gusts: 7 knots Direction: 308° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Barometric Pressure

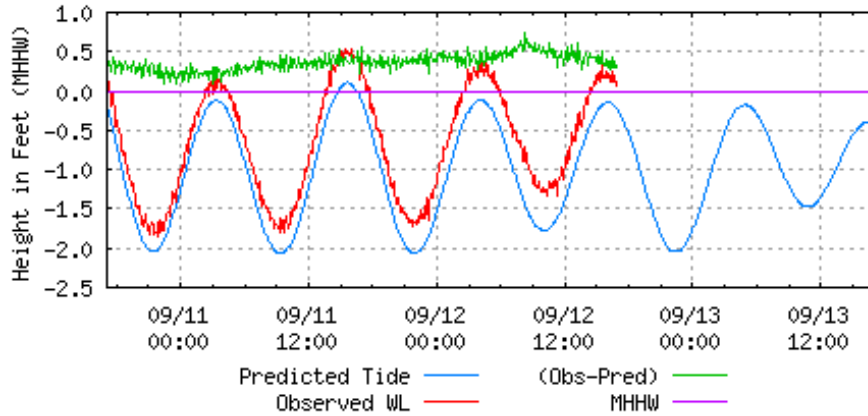


Last Observed Sample: 09/12/2018 17:06 (HST)

Barometric Pressure: 1010.1 mb

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

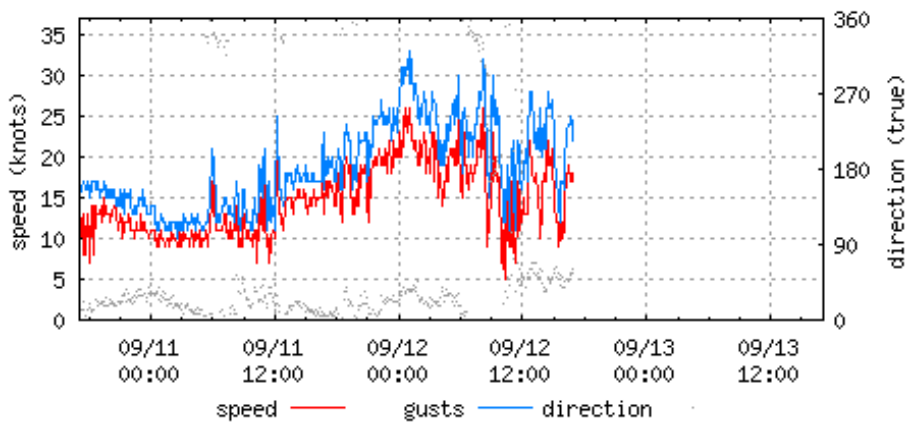
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/12/2018 16:54 (HST). Data relative to MHHW
Observed: 0.07 ft. Predicted: -0.23 ft. Residual: 0.30 ft.
Historical Maximum Water Level: Aug 21 2017, 1.33 ft.
Next High Tide: 09/13/2018 04:53 (HST), -0.17 ft.

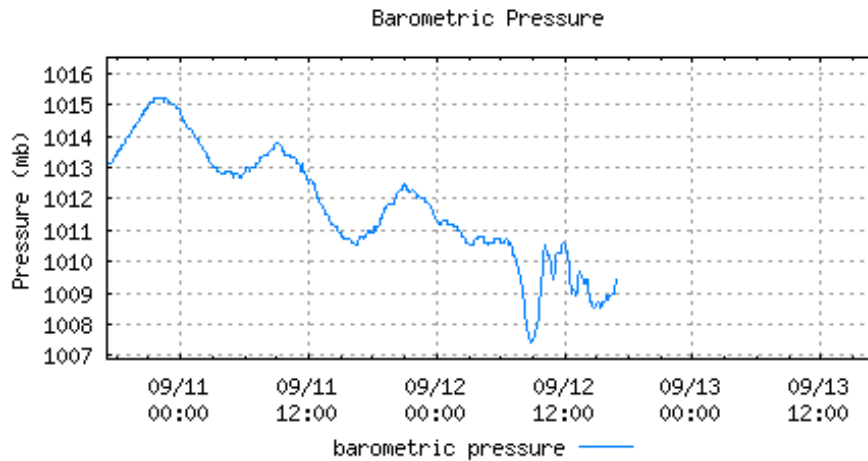
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction



Last Observed Sample: 09/12/2018 16:54 (HST)
Wind Speed: 17 knots Gusts: 22 knots Direction: 62° T

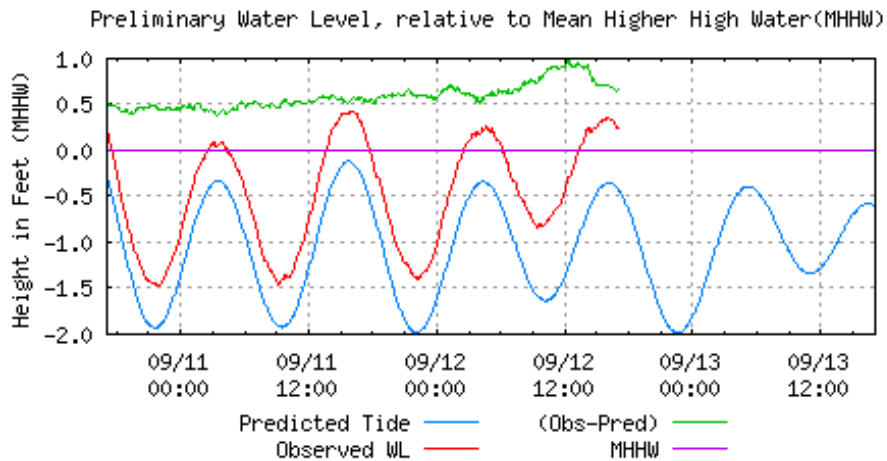
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/12/2018 16:54 (HST)

Barometric Pressure: 1009.4 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



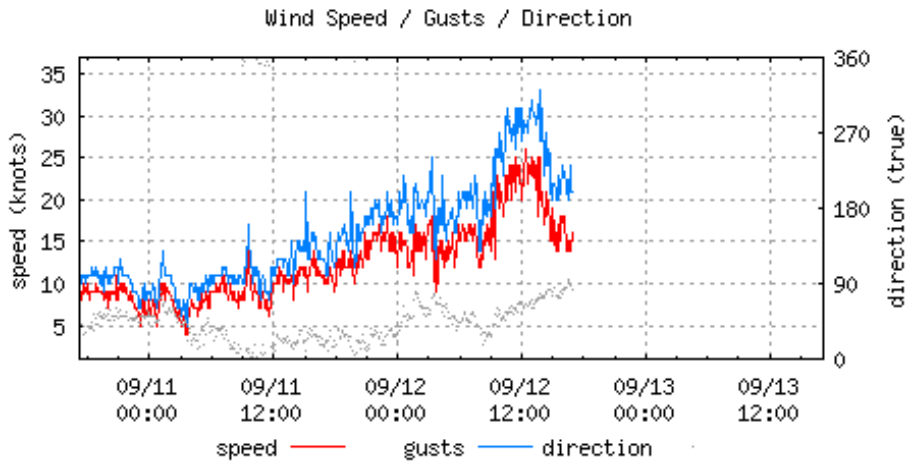
Last Observed Sample: 09/12/2018 17:06 (HST). Data relative to MHHW

Observed: 0.23 ft. Predicted: -0.44 ft. Residual: 0.67 ft.

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

Next High Tide: 09/13/2018 05:14 (HST), -0.39 ft.

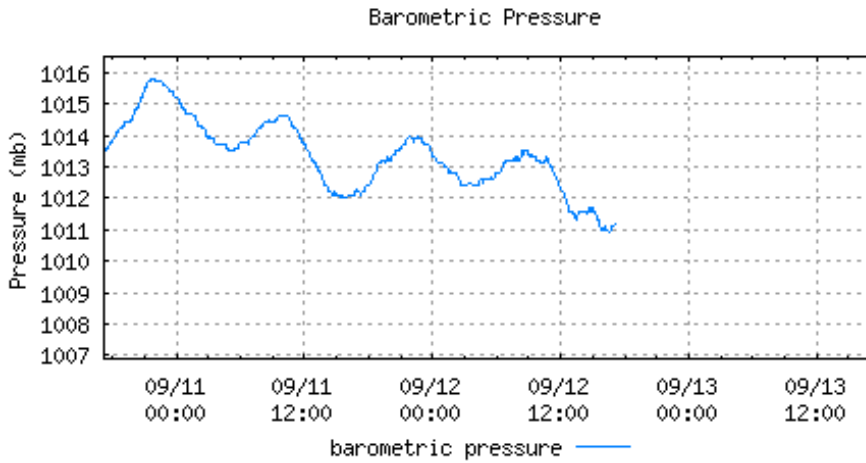
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 17:06 (HST)

Wind Speed: 16 knots Gusts: 21 knots Direction: 82° T

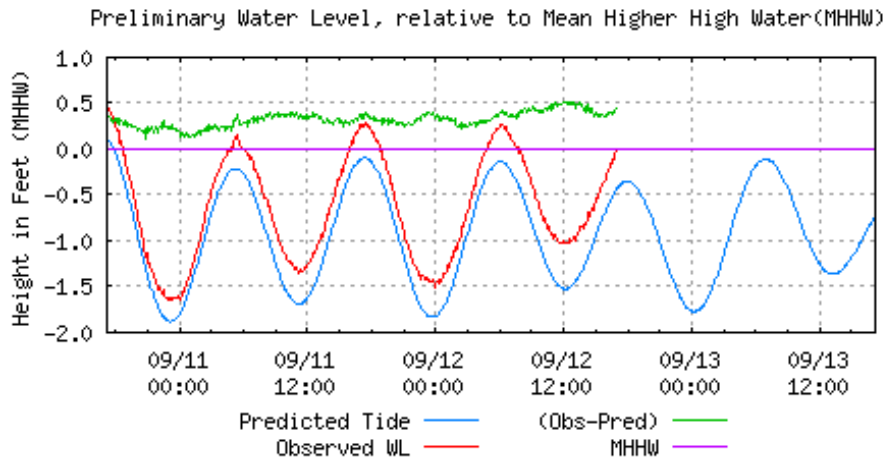
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 17:06 (HST)

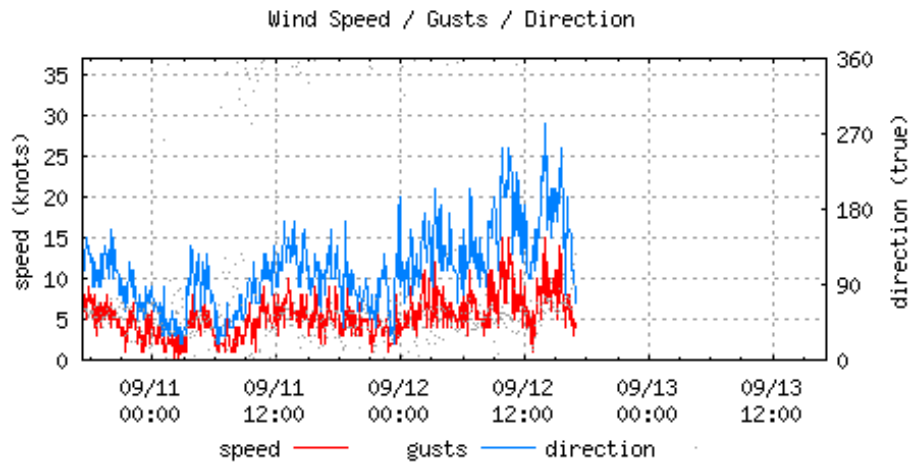
Barometric Pressure: 1011.2 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 16:54 (HST). Data relative to MHHW
Observed: -0.01 ft. Predicted: -0.45 ft. Residual: 0.44 ft.
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.
 Next High Tide: 09/12/2018 17:59 (HST), -0.35 ft.

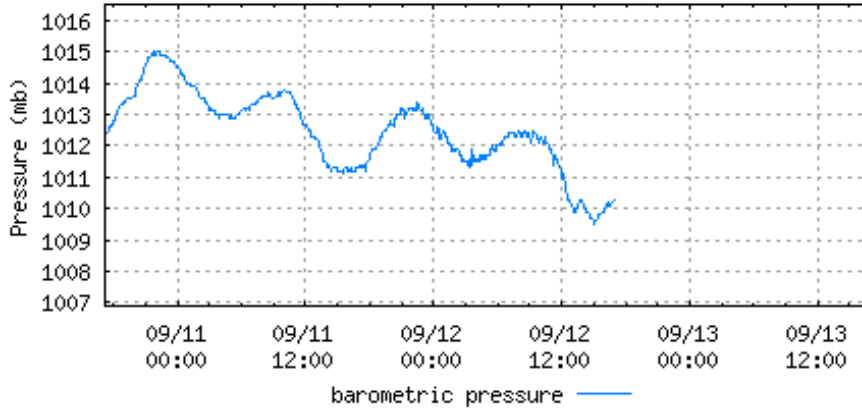
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 16:54 (HST)
Wind Speed: 4 knots Gusts: 7 knots Direction: 126° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure

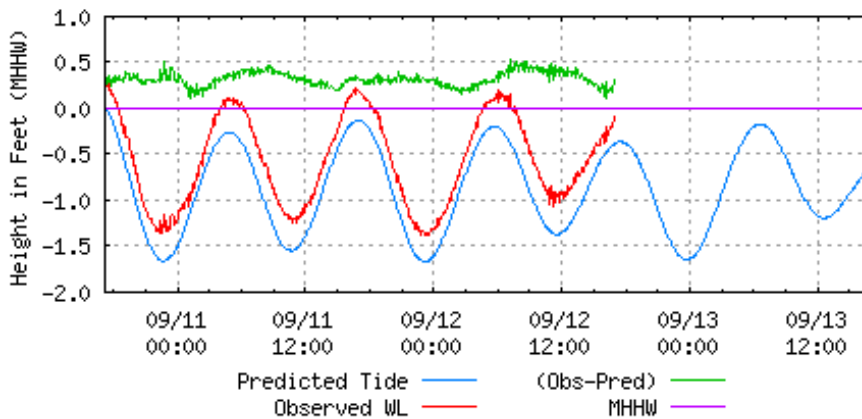


Last Observed Sample: 09/12/2018 16:54 (HST)

Barometric Pressure: 1010.3 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

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



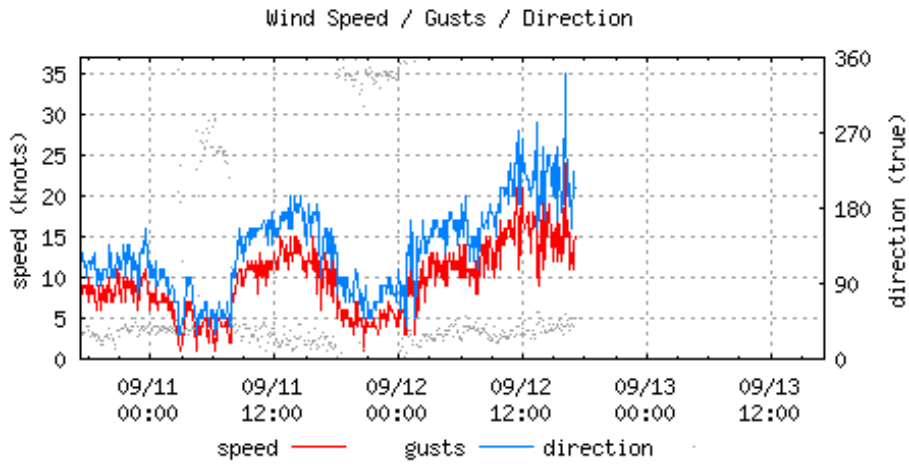
Last Observed Sample: 09/12/2018 17:06 (HST). Data relative to MHHW

Observed: -0.08 ft. Predicted: -0.39 ft. Residual: 0.31 ft.

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

Next High Tide: 09/12/2018 17:30 (HST), -0.36 ft.

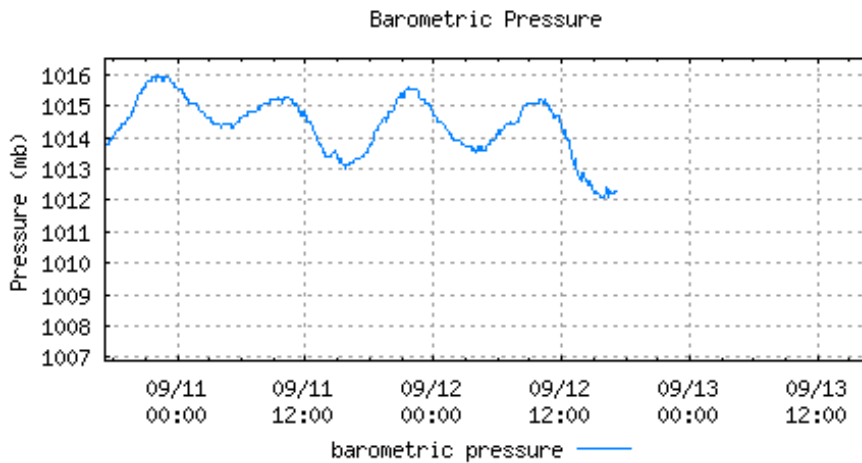
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/12/2018 17:06 (HST)

Wind Speed: 15 knots Gusts: 21 knots Direction: 48° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/12/2018 17:06 (HST)

Barometric Pressure: 1012.3 mb

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
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	09/12/2018 17:06 (HST)	0.48 ft	-0.18 ft	0.66 ft	0.91 ft
1617433	Kawaihae, HI	09/12/2018 17:06 (HST)	0.31 ft	-0.53 ft	0.84 ft	0.61 ft
1615680	Kahului, Kahului Harbor, HI	09/12/2018 16:54 (HST)	0.07 ft	-0.23 ft	0.30 ft	0.46 ft
1612480	Mokuoloe, HI	09/12/2018 17:06 (HST)	0.23 ft	-0.44 ft	0.67 ft	0.36 ft
1612340	Honolulu, HI	09/12/2018 16:54 (HST)	-0.01 ft	-0.45 ft	0.44 ft	0.30 ft
1611400	Nawiliwili, HI	09/12/2018 17:06 (HST)	-0.08 ft	-0.39 ft	0.31 ft	0.21 ft

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