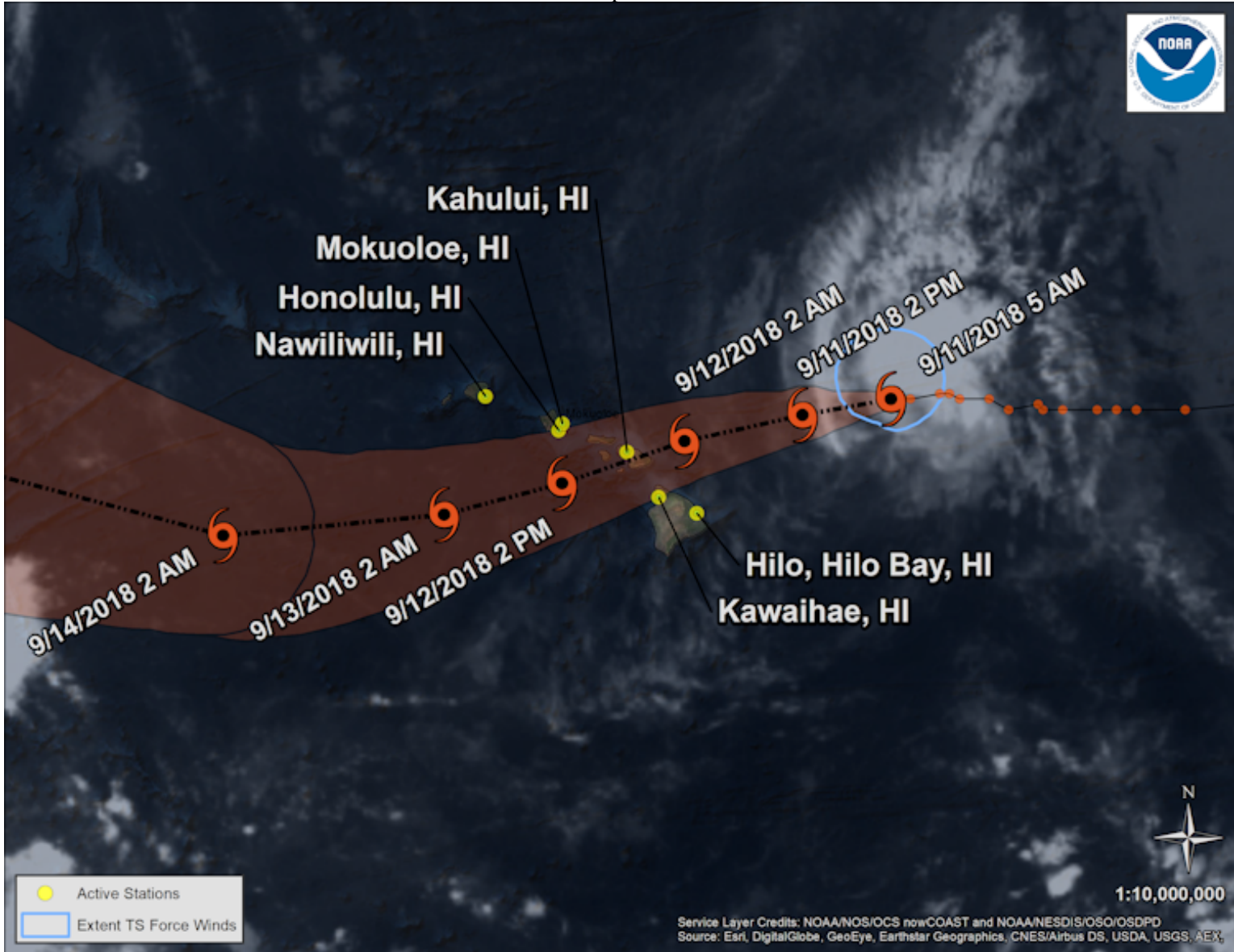




Tropical Storm Olivia QuickLook
Posted: 06:00 HST 09/11/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/11/2018 06:00 HST, water levels across the Hawaiian Islands continue to be slightly elevated and range between 0.2 and 0.9 feet above normal tide levels. Winds remain 10 knots or less, with gusts up to 20 knots at times, 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: CRD

Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Olivia Advisory Number 44
NWS Central Pacific Hurricane Center Honolulu HI
500 AM HST Tue Sep 11 2018

...OLIVIA WEAKENS A LITTLE MORE...

SUMMARY OF 500 AM HST INFORMATION

LOCATION...21.9N 151.1W
ABOUT 355 MI..ENE OF KAHULUI HAWAII
ABOUT 440 MI.. E OF HONOLULU HAWAII
MAXIMUM SUSTAINED WINDS...65 MPH
PRESENT MOVEMENT...W OR 270 DEGREES AT 10 MPH
MINIMUM CENTRAL PRESSURE...999 MB...29.50 INCHES

WATCHES AND WARNINGS

----- CHANGES WITH THIS ADVISORY:

None.

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 AM HST, the center of Tropical Storm Olivia was located near latitude 21.9 North, longitude 151.1 West. Olivia is moving toward the west near 10 mph. A turn to the west-southwest is expected later today, with a slight increase in forward speed. This general motion will then continue for the next couple of days. On the forecast track, the center of Olivia will be moving over portions of the main Hawaiian Islands late tonight into Wednesday.

Maximum sustained winds are near 65 mph with higher gusts. Gradual weakening is forecast during the next 48 hours, but Olivia is expected to remain a tropical storm as it moves over the islands.

Tropical-storm-force winds extend outward up to 90 miles from the center.

The estimated minimum central pressure is 999 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected over Maui County and the Big Island starting this evening. Tropical storm conditions are expected over Oahu starting Wednesday morning. Tropical storm conditions are possible over Kauai County starting Wednesday afternoon or evening.

RAINFALL: Olivia is expected to produce total rainfall accumulations of 10 to 15 inches, with isolated maximum amounts of 20 inches possible, especially in higher terrain. This rainfall may produce life-threatening flash flooding.

SURF: Large swells generated by Olivia will impact the main Hawaiian Islands over the next couple of days. This will result in dangerously high and potentially damaging surf, mainly along exposed east facing shores.

NEXT ADVISORY

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

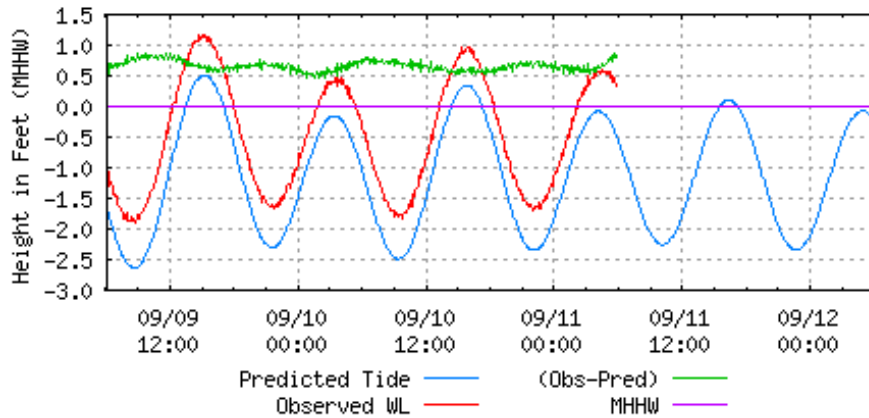
Forecaster Birchard

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: 09/11/2018 05:48 (HST). Data relative to MHHW

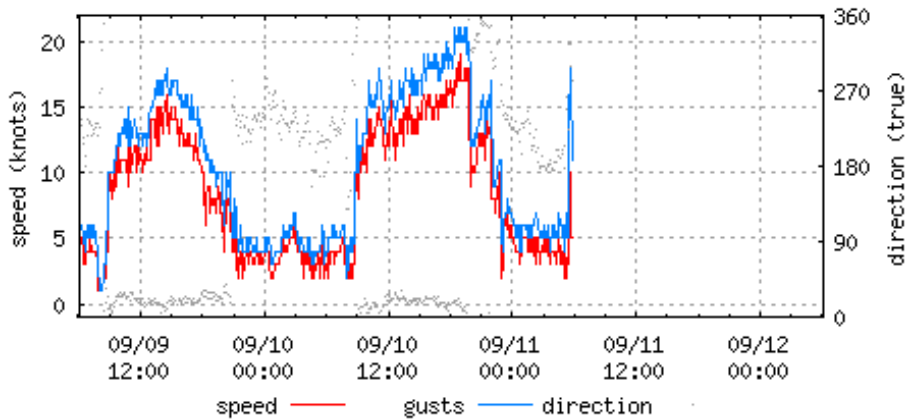
Observed: 0.34 ft. Predicted: -0.46 ft. Residual: 0.80 ft.

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

Next High Tide: 09/11/2018 16:22 (HST), 0.11 ft.

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

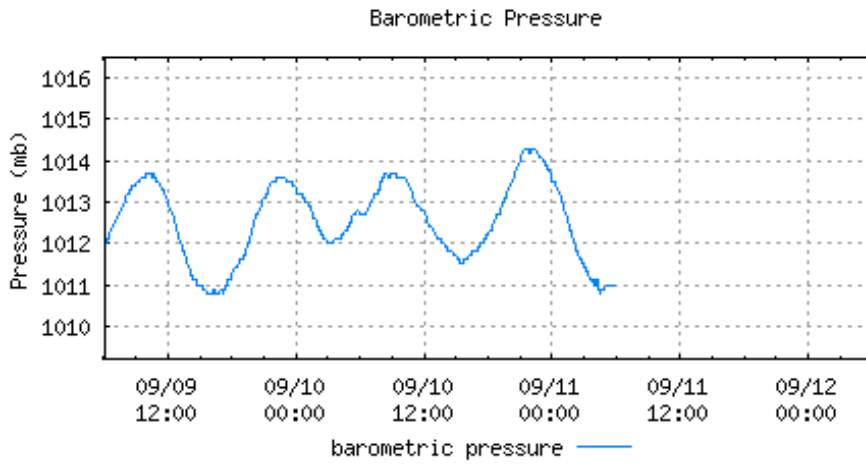
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2018 05:48 (HST)

Wind Speed: 5 knots Gusts: 11 knots Direction: 281° T

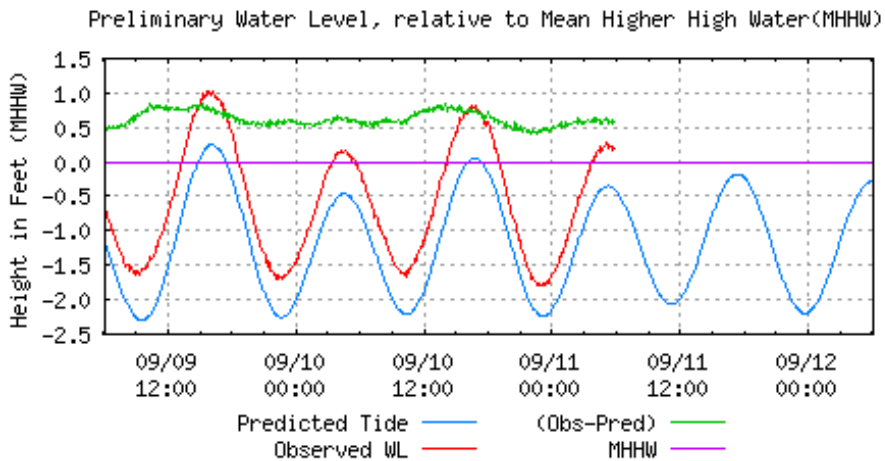
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/11/2018 05:48 (HST)

Barometric Pressure: 1011.0 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/11/2018 05:48 (HST). Data relative to MHHW

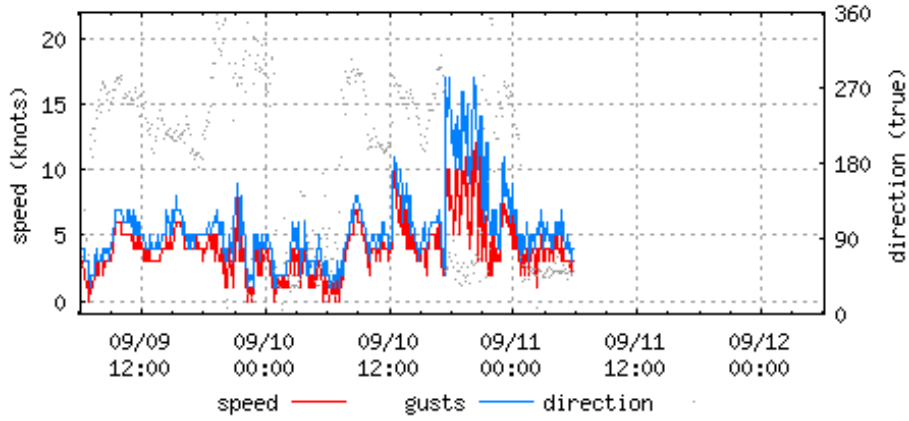
Observed: 0.20 ft. Predicted: -0.39 ft. Residual: 0.59 ft.

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

Next High Tide: 09/11/2018 17:22 (HST), -0.18 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

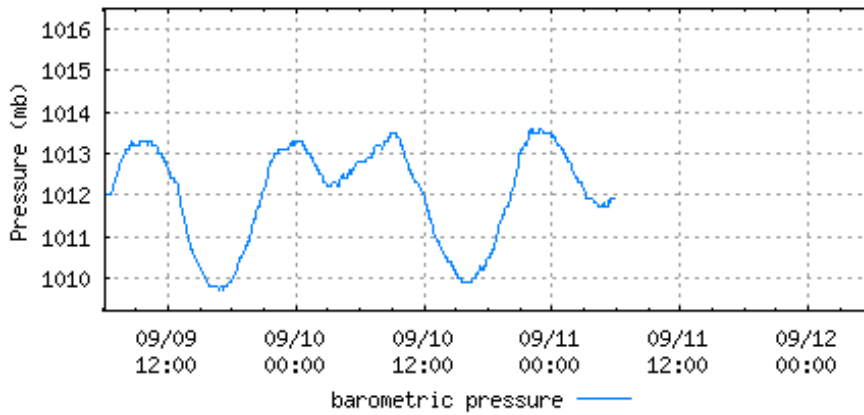


Last Observed Sample: 09/11/2018 05:48 (HST)

Wind Speed: 3 knots Gusts: 4 knots Direction: 52° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Barometric Pressure

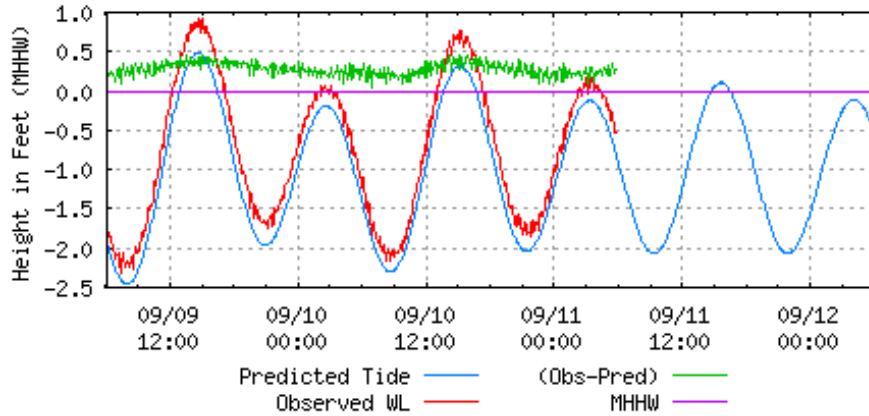


Last Observed Sample: 09/11/2018 05:48 (HST)

Barometric Pressure: 1011.9 mb

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

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



Last Observed Sample: 09/11/2018 05:48 (HST). Data relative to MHHW

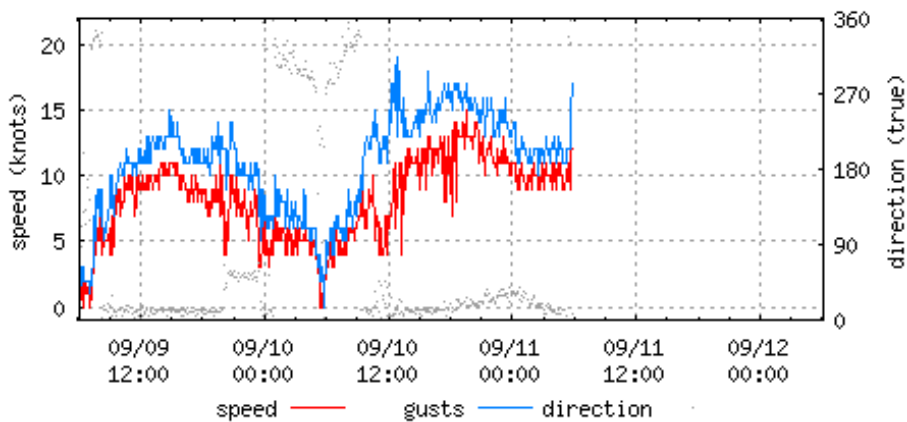
Observed: -0.53 ft. Predicted: -0.81 ft. Residual: 0.28 ft.

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

Next High Tide: 09/11/2018 15:37 (HST), 0.11 ft.

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

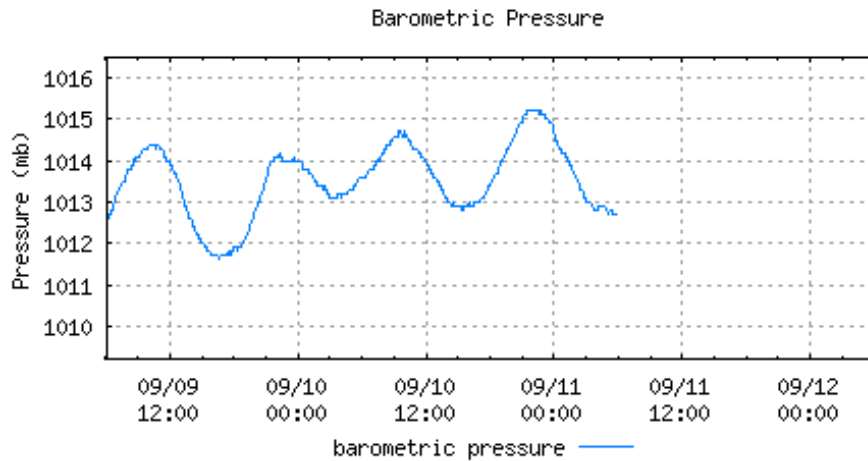
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2018 05:48 (HST)

Wind Speed: 12 knots Gusts: 17 knots Direction: 8° T

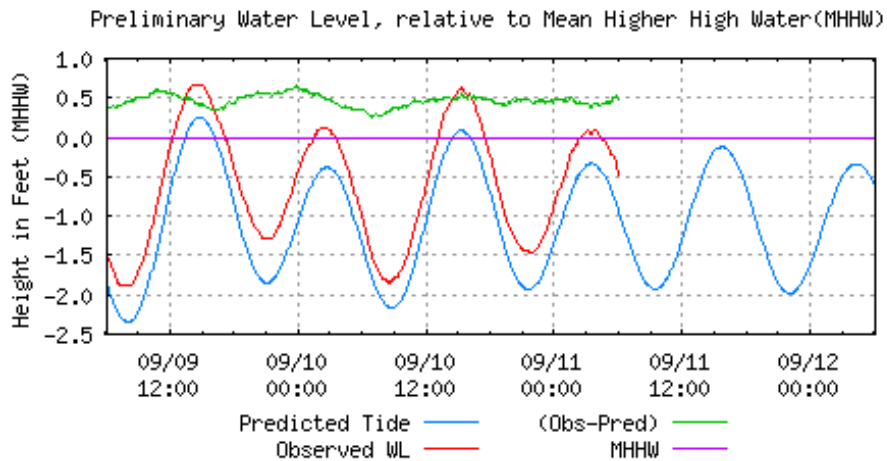
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/11/2018 05:48 (HST)

Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/11/2018 06:06 (HST). Data relative to MHHW

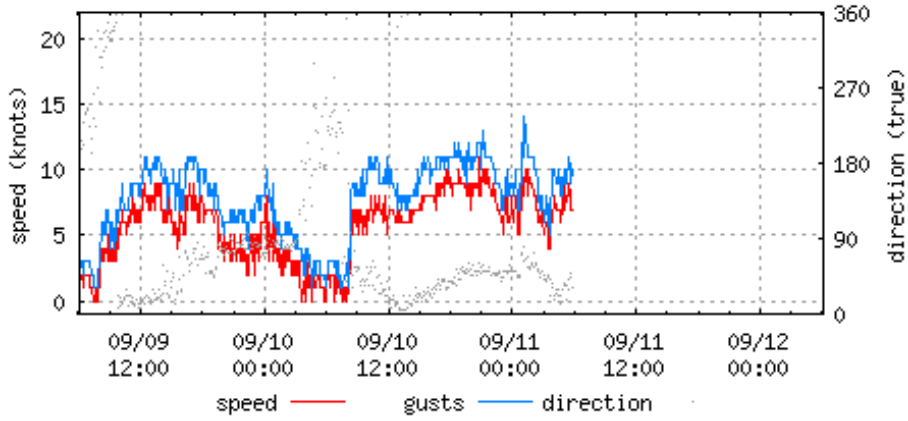
Observed: -0.49 ft. Predicted: -0.96 ft. Residual: 0.47 ft.

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

Next High Tide: 09/11/2018 15:44 (HST), -0.12 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Wind Speed / Gusts / Direction

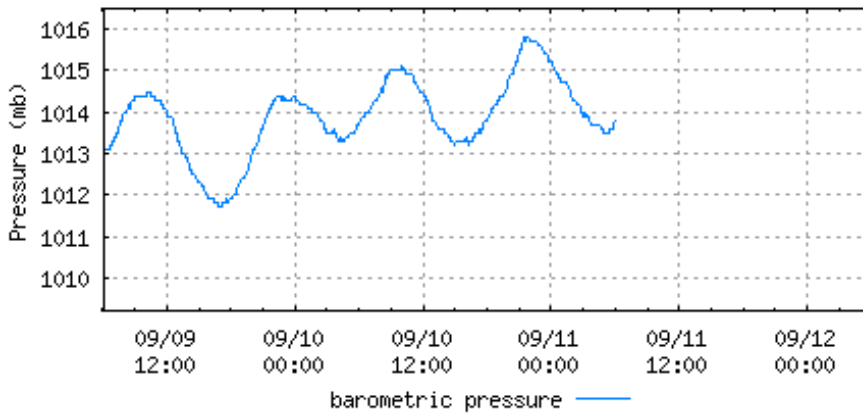


Last Observed Sample: 09/11/2018 06:06 (HST)

Wind Speed: 7 knots Gusts: 10 knots Direction: 32° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

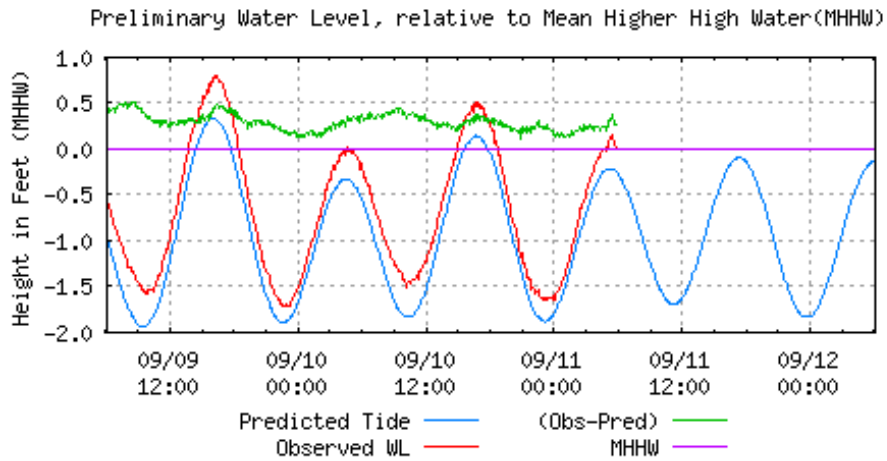
Barometric Pressure



Last Observed Sample: 09/11/2018 06:06 (HST)

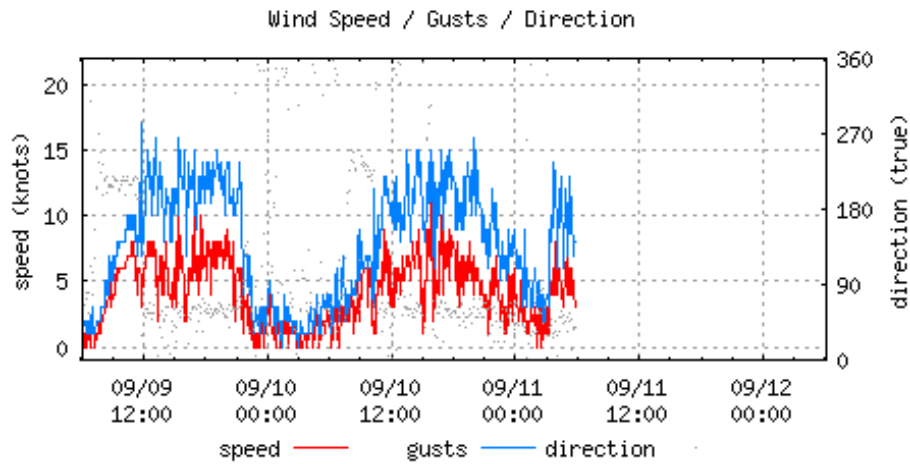
Barometric Pressure: 1013.8 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



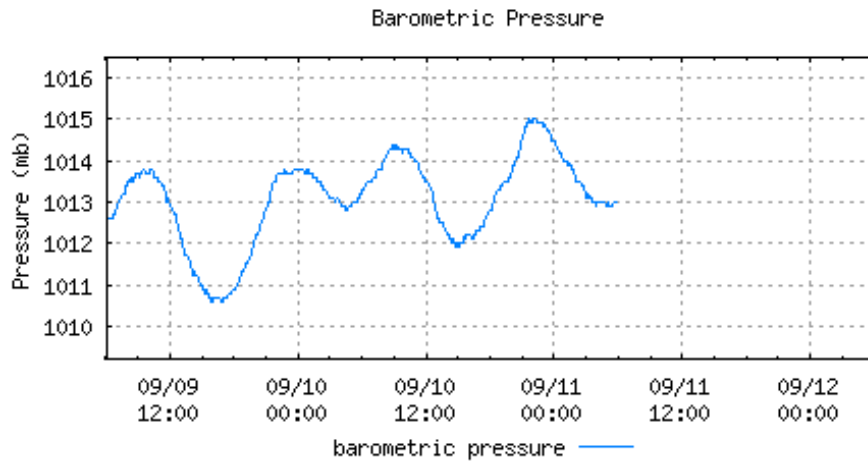
Last Observed Sample: 09/11/2018 05:48 (HST). Data relative to MHHW
Observed: 0.02 ft. Predicted: -0.24 ft. Residual: 0.26 ft.
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.
 Next High Tide: 09/11/2018 17:21 (HST), -0.09 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/11/2018 05:48 (HST)
Wind Speed: 3 knots Gusts: 8 knots Direction: 38° T

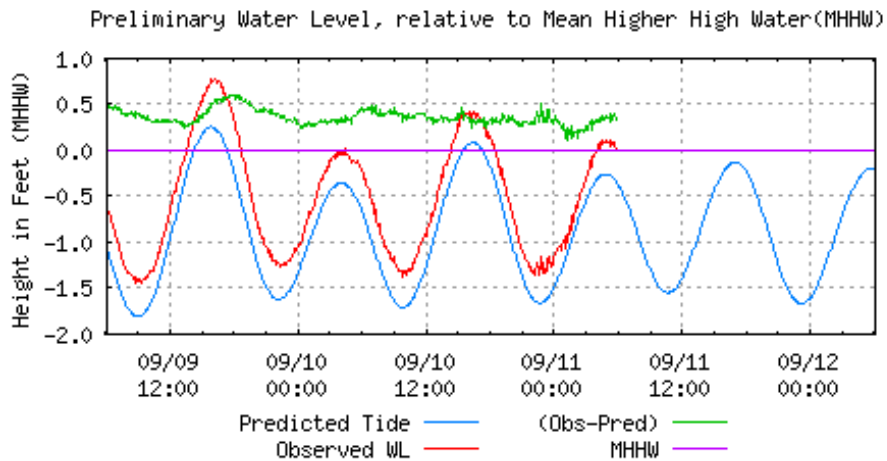
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/11/2018 05:48 (HST)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/11/2018 06:06 (HST). Data relative to MHHW

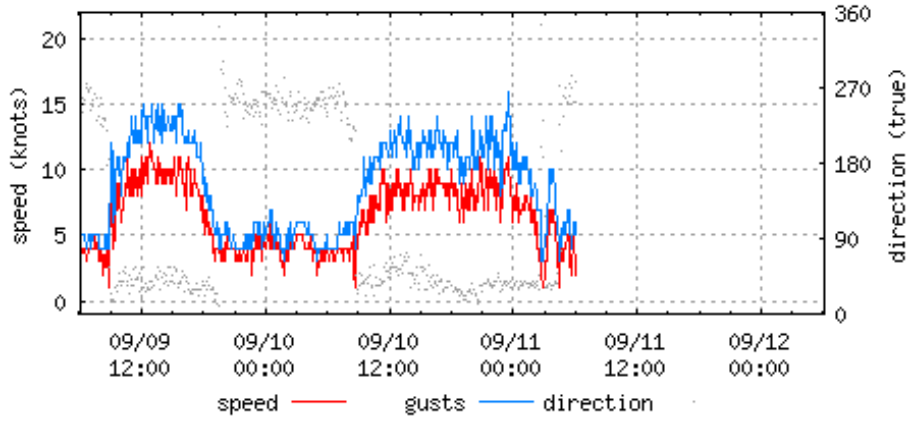
Observed: 0.01 ft. Predicted: -0.33 ft. Residual: 0.34 ft.

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

Next High Tide: 09/11/2018 16:58 (HST), -0.13 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Wind Speed / Gusts / Direction

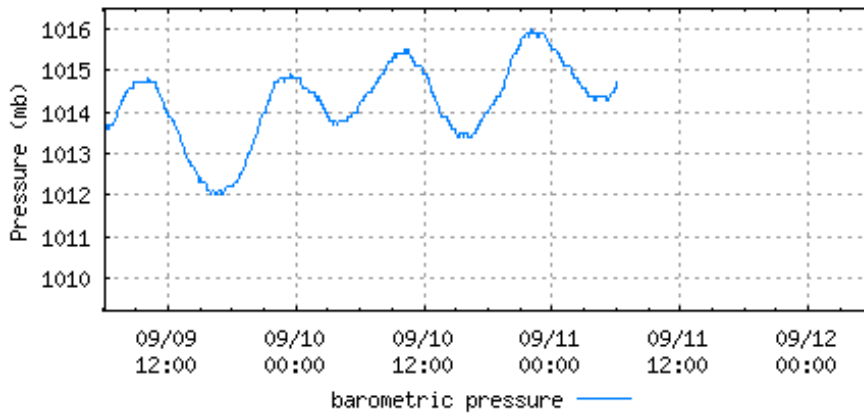


Last Observed Sample: 09/11/2018 06:06 (HST)

Wind Speed: 3 knots Gusts: 6 knots Direction: 278° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Barometric Pressure



Last Observed Sample: 09/11/2018 06:06 (HST)

Barometric Pressure: 1014.7 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	09/11/2018 05:48 (HST)	0.34 ft	-0.46 ft	0.80 ft	0.96 ft
1617433	Kawaihae, HI	09/11/2018 05:48 (HST)	0.20 ft	-0.39 ft	0.59 ft	0.83 ft
1615680	Kahului, Kahului Harbor, HI	09/11/2018 05:48 (HST)	-0.53 ft	-0.81 ft	0.28 ft	0.78 ft
1612480	Mokuoloe, HI	09/11/2018 06:06 (HST)	-0.49 ft	-0.96 ft	0.47 ft	0.63 ft
1612340	Honolulu, HI	09/11/2018 05:48 (HST)	0.02 ft	-0.24 ft	0.26 ft	0.51 ft
1611400	Nawiliwili, HI	09/11/2018 06:06 (HST)	0.01 ft	-0.33 ft	0.34 ft	0.44 ft

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