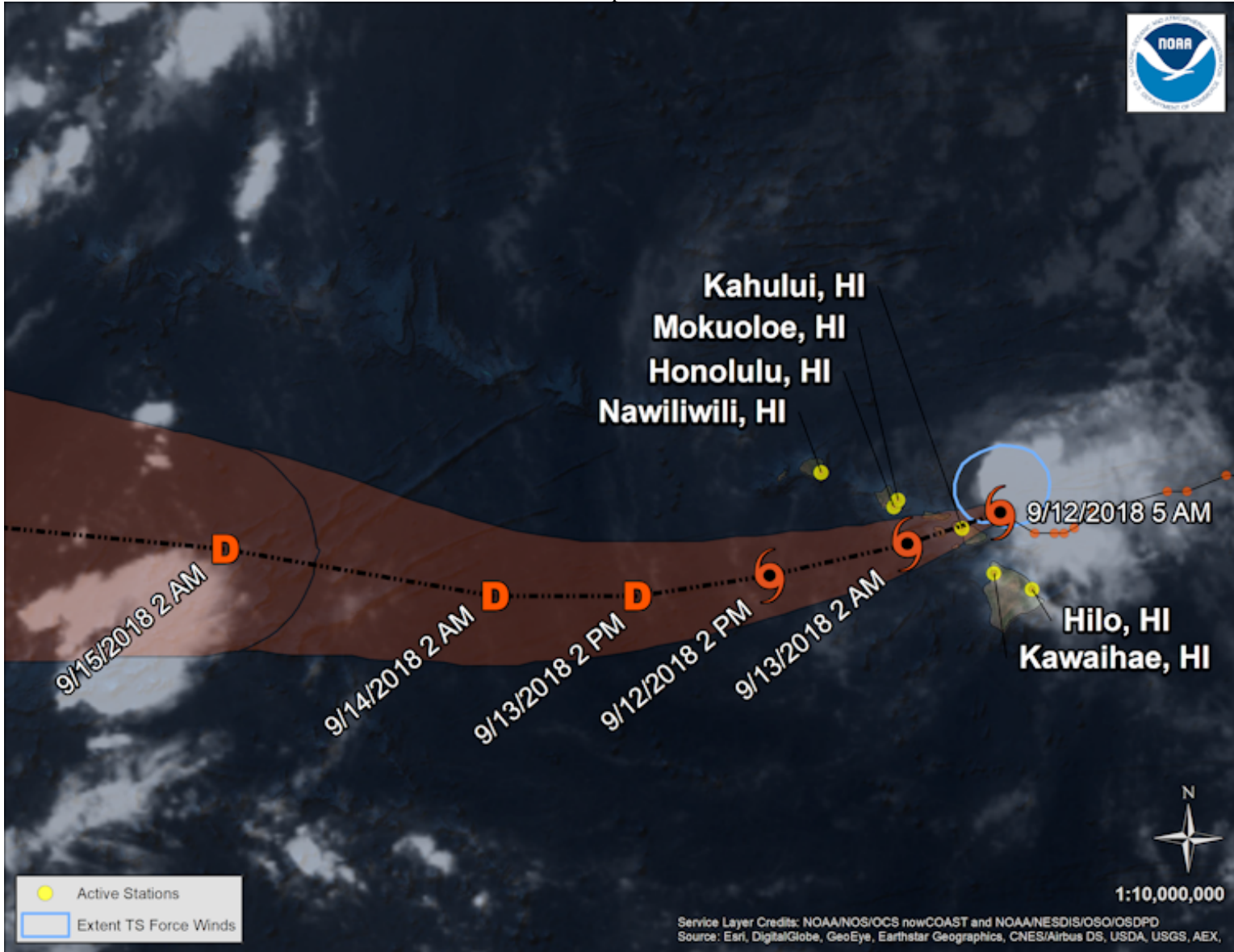




Tropical Storm Olivia QuickLook  
 Posted: 06:00 HST 09/12/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/12/2018 06:00 HST, water levels across the Hawaiian Islands remain slightly elevated and range between 0.3 and 0.8 feet above normal tide levels. Winds have begun to increase at Hilo, Kahului and Mokuoloe where winds are now measuring between 15 and 20 knots with slightly higher gusts to 25 knots. Barometric pressure is slowly falling at stations across Hawaii.

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:

BULLETIN

Tropical Storm Olivia Advisory Number 48  
NWS Central Pacific Hurricane Center Honolulu HI  
500 AM HST Wed Sep 12 2018

...OLIVIA MOVING WEST AND NEARING MAUI AND MOLOKAI...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning for Hawaii County is discontinued.

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

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

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

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, the center of Tropical Storm Olivia was located ABOUT 55 MI ENE OF KAHULUI HAWAII and ABOUT 140 MI E OF HONOLULU HAWAII. Olivia is moving toward the west near 12 mph, and this motion is expected to continue through this morning. A motion toward the west-southwest is expected later today, with an increase in forward speed. This general motion is then expected to continue the next couple of days.

Maximum sustained winds are near 45 mph with higher gusts. Some weakening is forecast during the next 48 hours.

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

The estimated minimum central pressure is 1005 mb.

#### HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected in Maui County today. Tropical storm conditions are expected to begin over Oahu later this morning. Remember that wind gusts can be much stronger near higher terrain, and in the upper floors of high-rise buildings. Winds can also be especially gusty through gaps between mountains and where winds blow downslope.

RAINFALL: Showers will continue to increase over the main Hawaiian Islands today. Olivia is expected to produce total rainfall accumulations of 5 to 10 inches in some areas, with isolated maximum amounts of 15 inches possible, especially in higher terrain. This rainfall may produce life-threatening flash flooding. Up to 6 inches of rain has already fallen over parts of Maui.

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

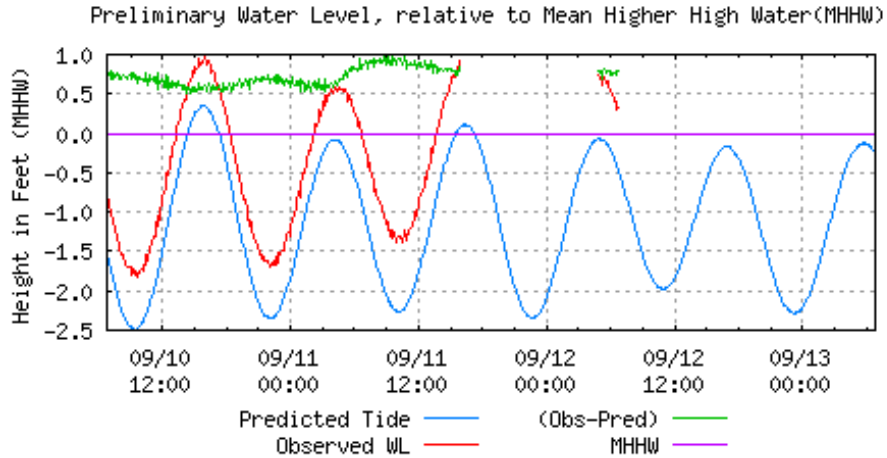
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Next intermediate advisory at 800 AM HST.  
Next complete advisory at 1100 AM HST.

\$\$  
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.

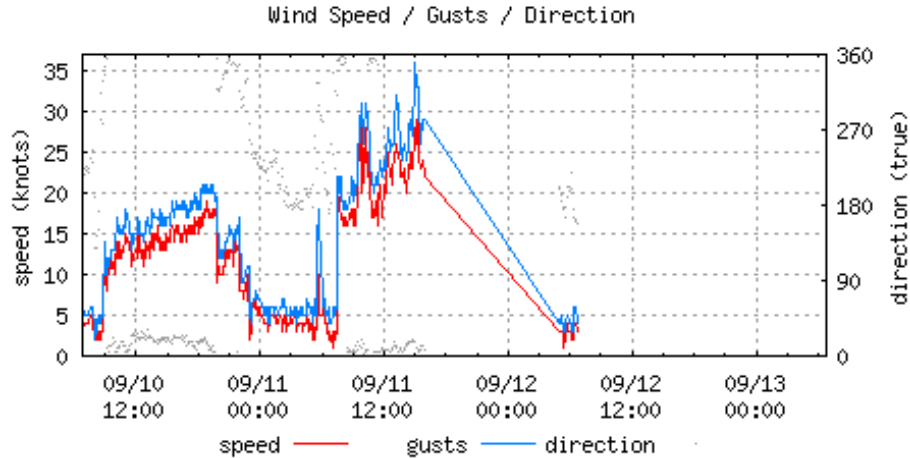
Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#),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



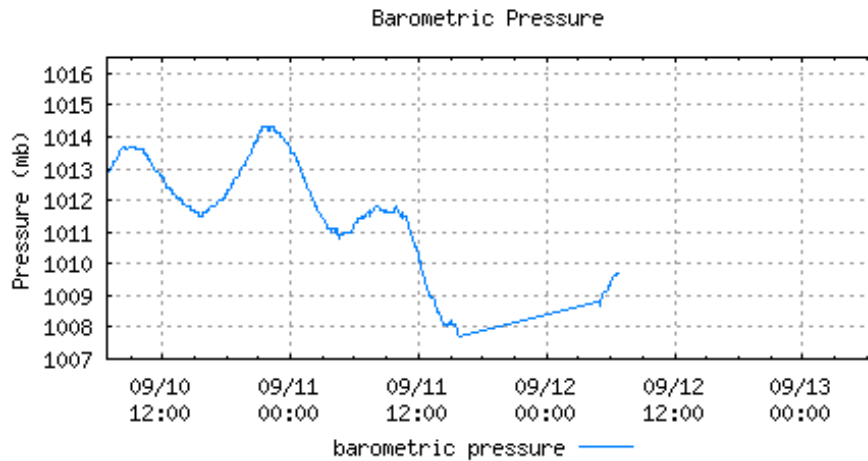
Last Observed Sample: 09/12/2018 06:42 (HST). Data relative to MHHW  
**Observed: 0.32 ft. Predicted: -0.47 ft. Residual: 0.79 ft.**  
Historical Maximum Water Level: Jul 24 2017, 1.54 ft.  
Next High Tide: 09/12/2018 16:53 (HST), -0.17 ft.

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



Last Observed Sample: 09/12/2018 06:42 (HST)  
**Wind Speed: 3 knots Gusts: 4 knots Direction: 157° T**

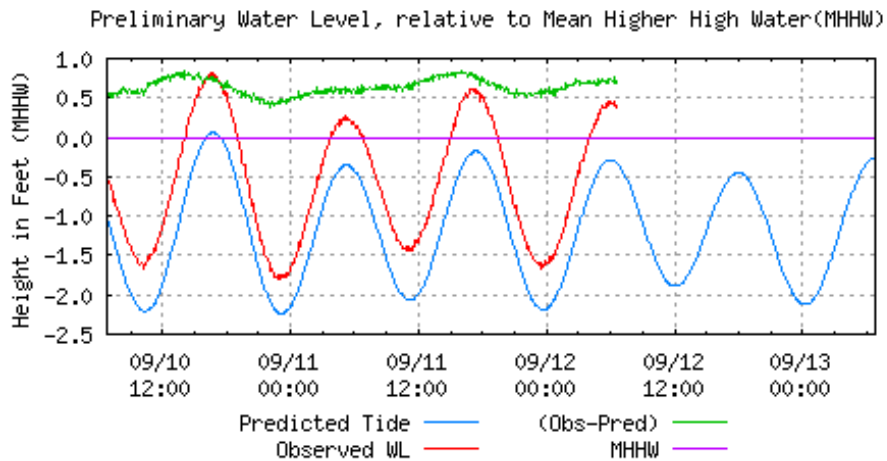
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/12/2018 06:42 (HST)

Barometric Pressure: 1009.7 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



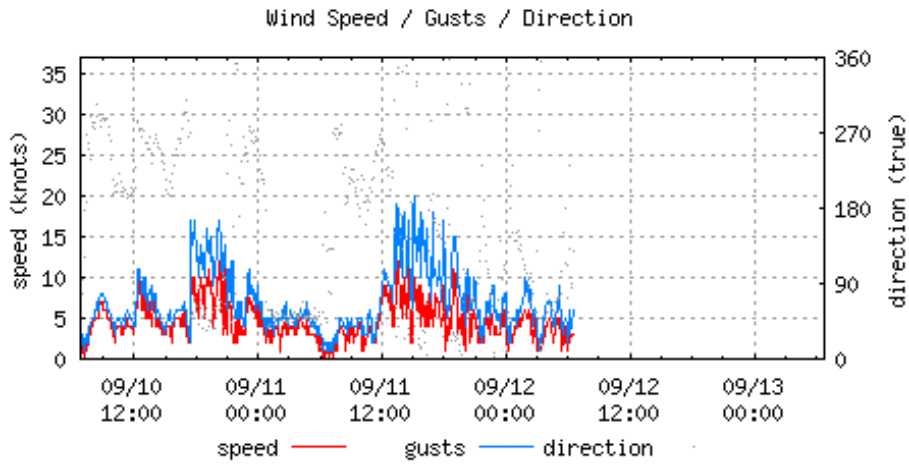
Last Observed Sample: 09/12/2018 06:30 (HST). Data relative to MHHW

Observed: 0.38 ft. Predicted: -0.32 ft. Residual: 0.70 ft.

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

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

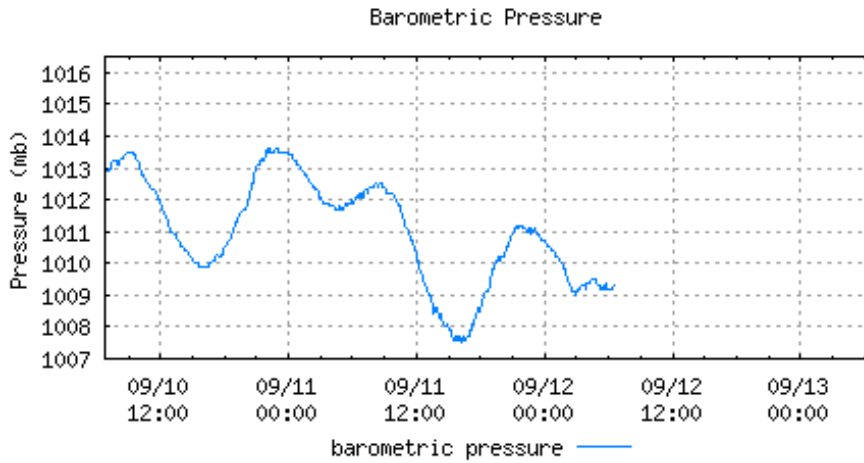
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/12/2018 06:30 (HST)

Wind Speed: 3 knots Gusts: 6 knots Direction: 130° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

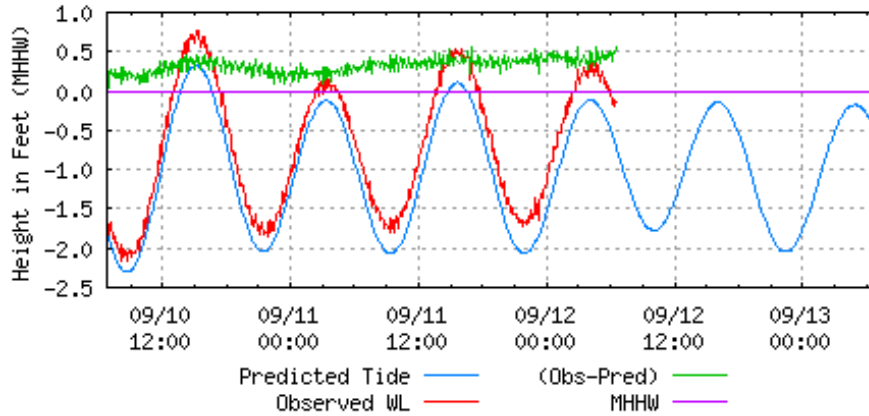


Last Observed Sample: 09/12/2018 06:30 (HST)

Barometric Pressure: 1009.3 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 06:30 (HST). Data relative to MHHW

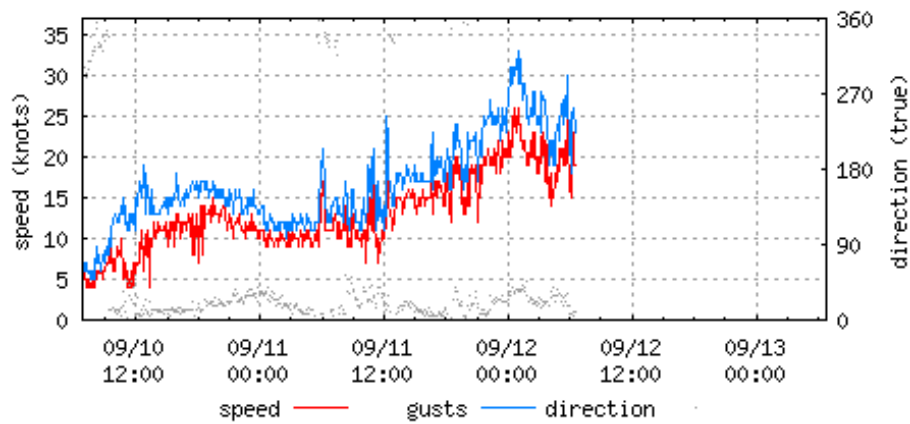
Observed: -0.15 ft. Predicted: -0.71 ft. Residual: 0.56 ft.

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

Next High Tide: 09/12/2018 16:03 (HST), -0.14 ft.

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

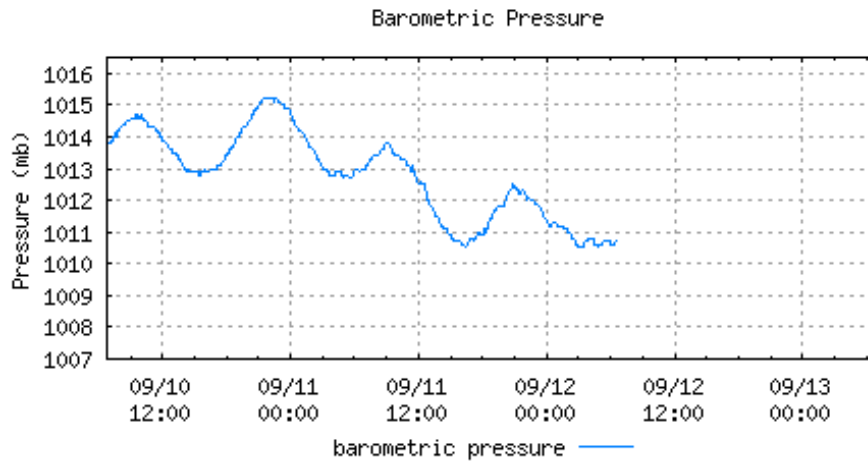
Wind Speed / Gusts / Direction



Last Observed Sample: 09/12/2018 06:30 (HST)

Wind Speed: 19 knots Gusts: 23 knots Direction: 10° T

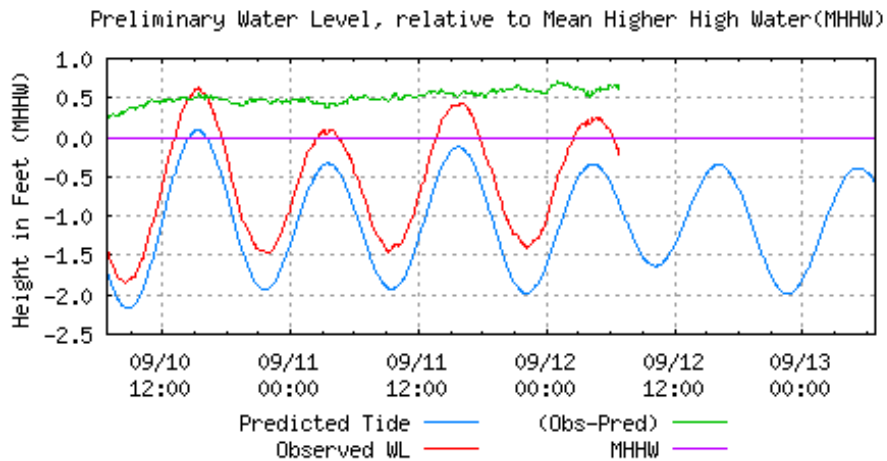
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/12/2018 06:30 (HST)

Barometric Pressure: 1010.7 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 06:48 (HST). Data relative to MHHW

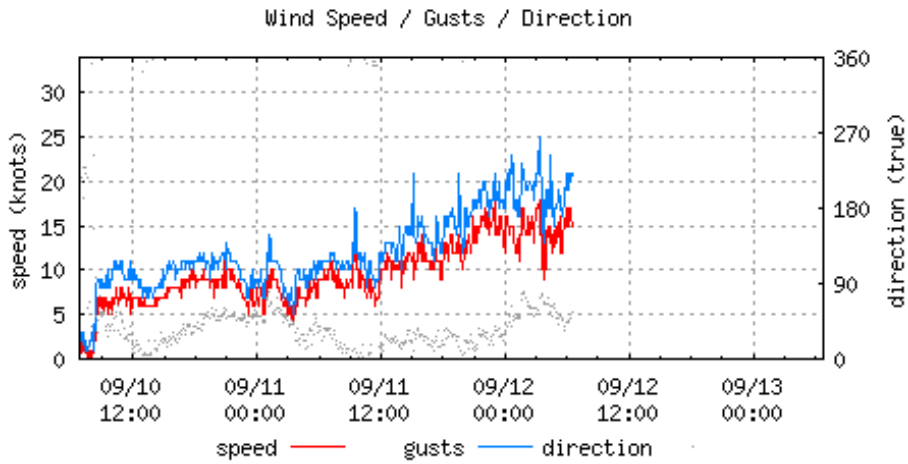
Observed: -0.22 ft. Predicted: -0.84 ft. Residual: 0.62 ft.

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

Next High Tide: 09/12/2018 16:08 (HST), -0.35 ft.



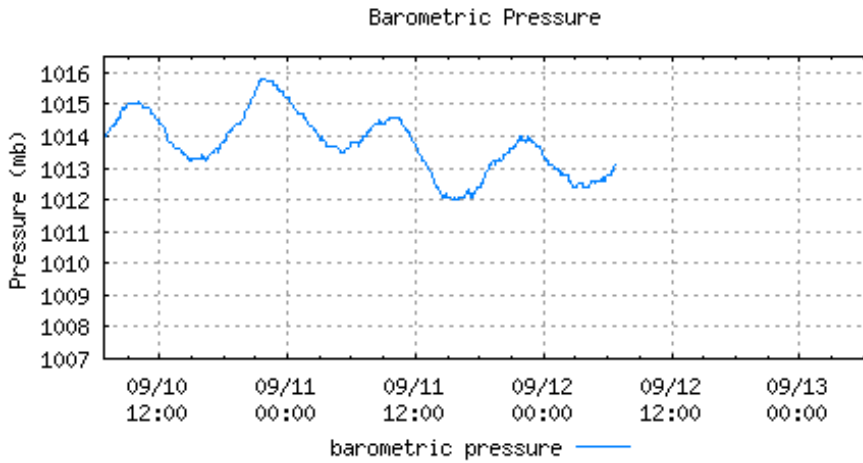
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 06:48 (HST)

Wind Speed: 15 knots Gusts: 21 knots Direction: 55° T

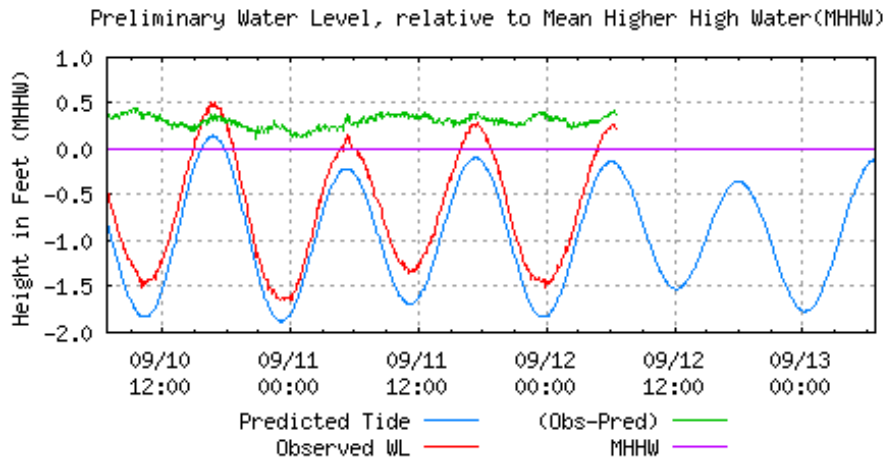
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 06:48 (HST)

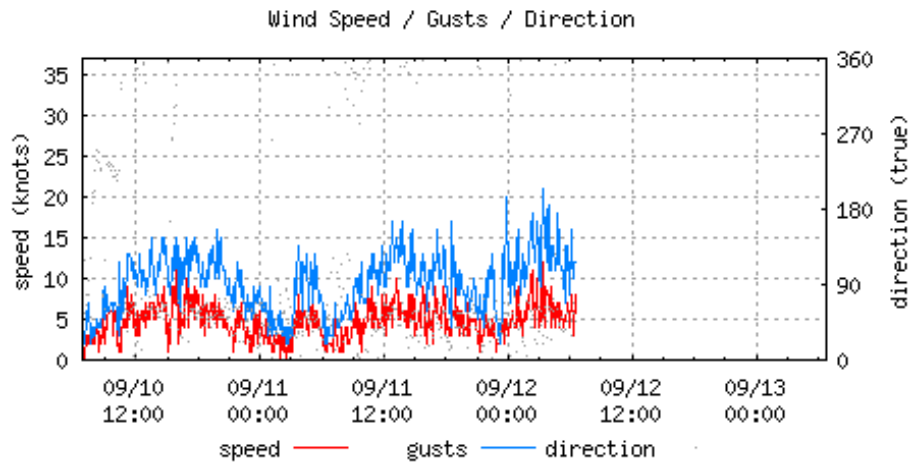
Barometric Pressure: 1013.1 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 06:30 (HST). Data relative to MHHW  
**Observed: 0.22 ft. Predicted: -0.16 ft. Residual: 0.38 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.  
 Next High Tide: 09/12/2018 17:59 (HST), -0.35 ft.

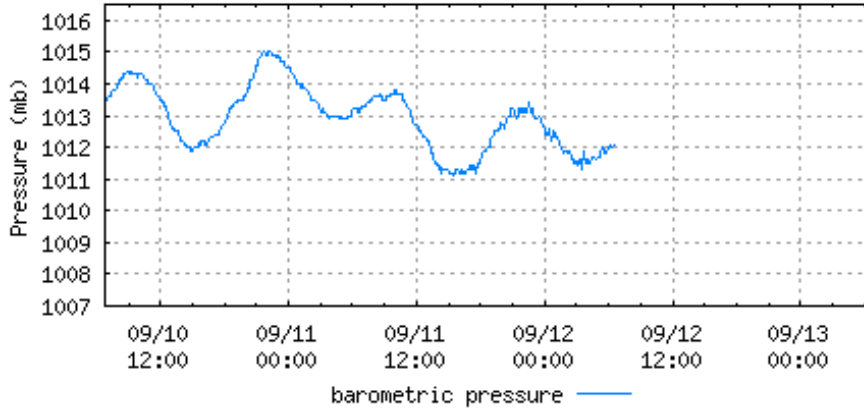
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 06:30 (HST)  
**Wind Speed: 8 knots Gusts: 12 knots Direction: 47° T**

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure

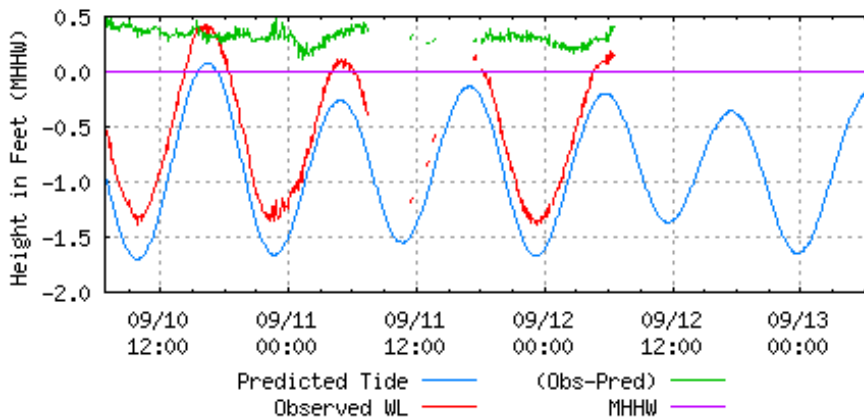


Last Observed Sample: 09/12/2018 06:30 (HST)

Barometric Pressure: 1012.1 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

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



Last Observed Sample: 09/12/2018 06:48 (HST). Data relative to MHHW

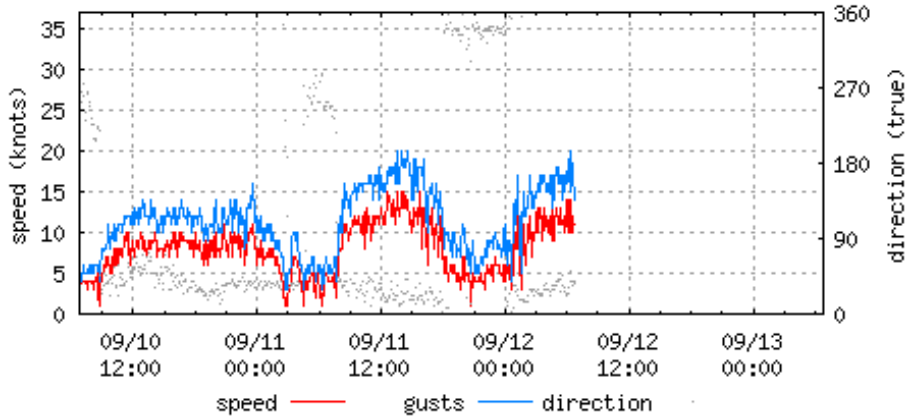
Observed: 0.15 ft. Predicted: -0.25 ft. Residual: 0.40 ft.

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

Wind Speed / Gusts / Direction

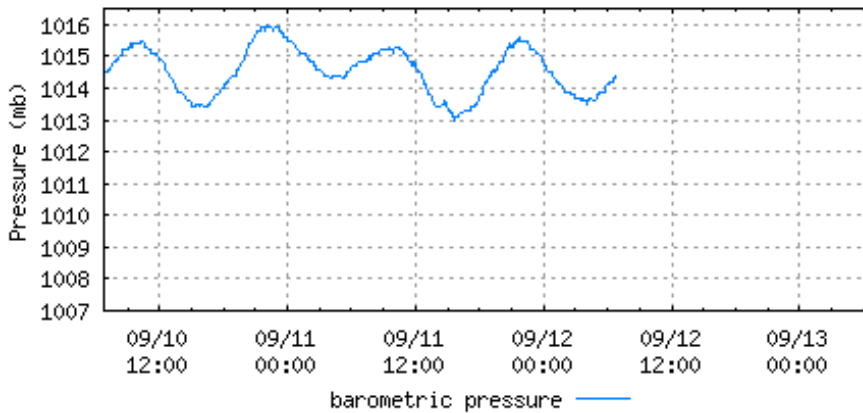


Last Observed Sample: 09/12/2018 06:48 (HST)

Wind Speed: 11 knots Gusts: 14 knots Direction: 36° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Barometric Pressure



Last Observed Sample: 09/12/2018 06:48 (HST)

Barometric Pressure: 1014.4 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	09/12/2018 06:42 (HST)	0.32 ft	-0.47 ft	0.79 ft	0.91 ft
1617433	Kawaihae, HI	09/12/2018 06:30 (HST)	0.38 ft	-0.32 ft	0.70 ft	0.61 ft
1615680	Kahului, Kahului Harbor, HI	09/12/2018 06:30 (HST)	-0.15 ft	-0.71 ft	0.56 ft	0.54 ft
1612480	Mokuoloe, HI	09/12/2018 06:48 (HST)	-0.22 ft	-0.84 ft	0.62 ft	0.43 ft
1612340	Honolulu, HI	09/12/2018 06:30 (HST)	0.22 ft	-0.16 ft	0.38 ft	0.30 ft
1611400	Nawiliwili, HI	09/12/2018 06:48 (HST)	0.15 ft	-0.25 ft	0.40 ft	0.19 ft

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