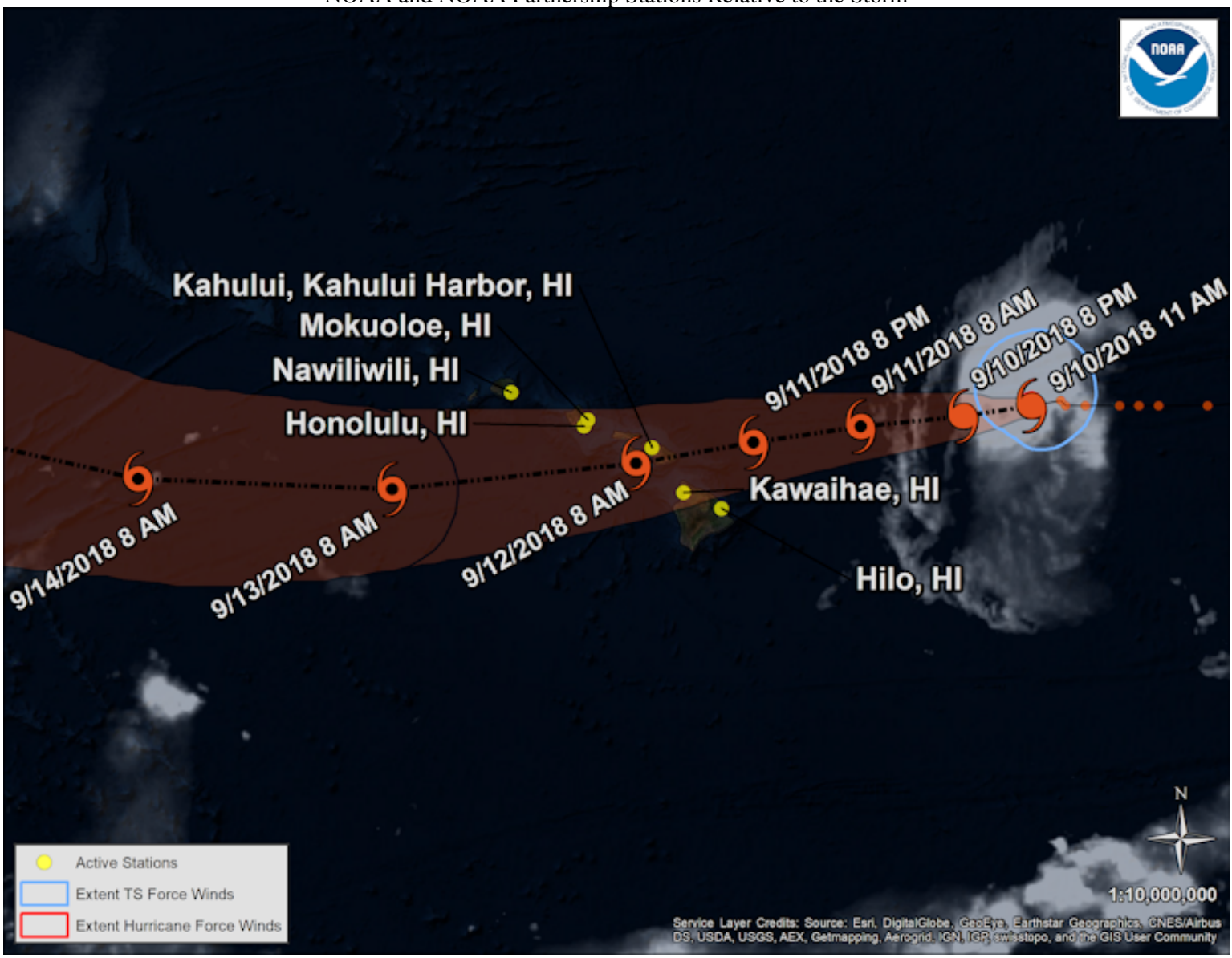
Hurricane Olivia QuickLook
Posted: 12:00 HST 09/10/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/10/2018 12:00 HST, water levels across the Hawaiian Islands are slightly elevated and range between 0.3 and 0.7 feet above normal tide levels. Winds remain 15 knots or less 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: PFF

Select Central Pacific Hurricane Center Advisory Information:

BULLETIN
Hurricane Olivia Advisory Number 41
NWS Central Pacific Hurricane Center Honolulu HI EP172018
1100 AM HST Mon Sep 10 2018

...AIR FORCE RESERVE HURRICANE HUNTERS FIND OLIVIA IS STILL A HURRICANE TO THE EAST OF HAWAII...

SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

LOCATION...21.7N 148.7W
ABOUT 435 MI...700 KM ENE OF HILO HAWAII
ABOUT 590 MI...950 KM E OF HONOLULU HAWAII
MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H
PRESENT MOVEMENT...W OR 270 DEGREES AT 9 MPH...15 KM/H
MINIMUM CENTRAL PRESSURE...986 MB...29.12 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* Maui County...including the islands of Maui, Molokai, Lanai, and Kahoolawe
* Hawaii County

A Tropical Storm Watch is in effect for...
* Oahu

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.

Interests on Kauai and Niihau should closely 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 1100 AM HST (2100 UTC), the center of Hurricane Olivia was located near latitude 21.7 North, longitude 148.7 West. Olivia is moving toward the west near 9 mph (15 km/h). A continued west to west-southwest motion is expected for the next few days. On the forecast track, the center of Olivia will be moving over the main Hawaiian Islands Tuesday night into Wednesday.

Air Force Reserve Hurricane Hunters recently found that Olivia is still a hurricane, with maximum sustained winds near 75 mph (120 km/h), with higher gusts. Little change in intensity is expected today, with gradual weakening expected afterward. Olivia is expected to approach the islands as a strong tropical storm.

Hurricane-force winds extend outward up to 15 miles (30 km) from the center and tropical-storm-force winds extend outward up to 105 miles (165 km).

The estimated minimum central pressure is 986 mb (29.12 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected somewhere within the warning area starting late Tuesday. Tropical storm conditions are possible within the watch area starting late Tuesday night or early Wednesday morning.

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 early this week. This will cause surf to build along exposed east facing shorelines as Olivia approaches. This surf may become damaging across parts of the state.

NEXT ADVISORY

Next intermediate advisory at 200 PM HST.
Next complete advisory at 500 PM HST.

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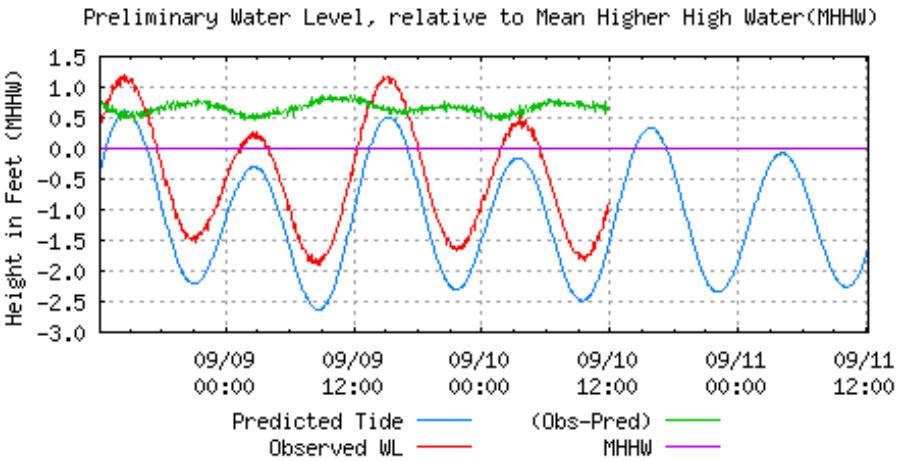
Forecaster R Ballard

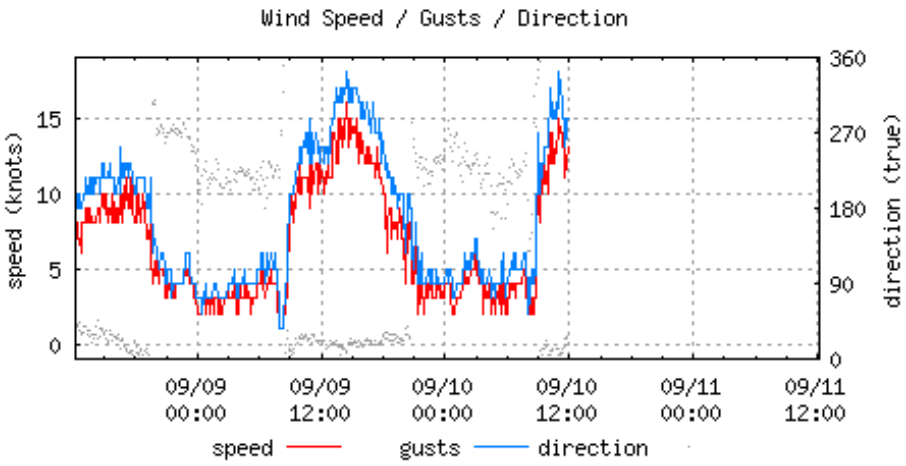
Jump to: Hilo, Hilo Bay, Kuhio Bay - Water Level, Hilo, Hilo Bay, Kuhio Bay - Winds, Hilo, Hilo Bay, Kuhio Bay - Barometric, Kawaihae - Water Level, Kawaihae - Winds, Kawaihae - Barometric, Kahului, Kahului Harbor - Water Level, Kahului, Kahului Harbor - Winds, Kahului, Kahului Harbor - Barometric, Mokuoloe - 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



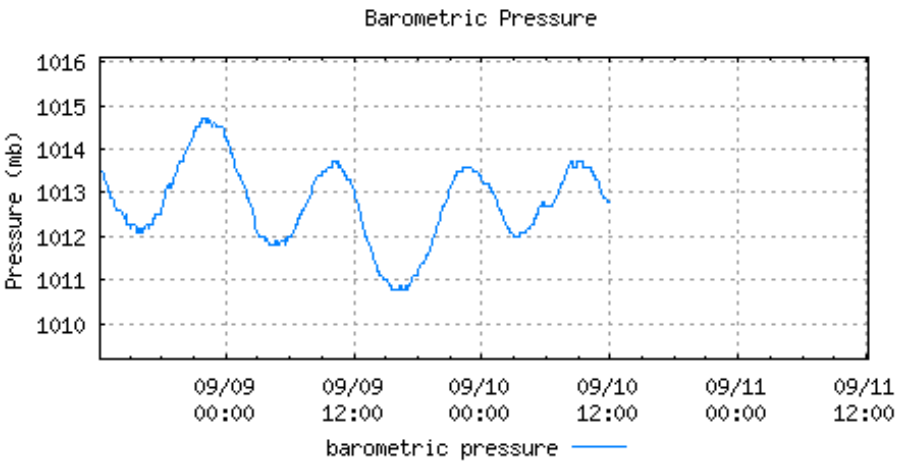
Last Observed Sample: 09/10/2018 12:00 (HST). Data relative to MHHW
Observed: -0.82 ft. Predicted: -1.50 ft. Residual: 0.68 ft.
Historical Maximum Water Level: Jul 24 2017, 1.54 ft.
Next High Tide: 09/10/2018 15:49 (HST), 0.34 ft.

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



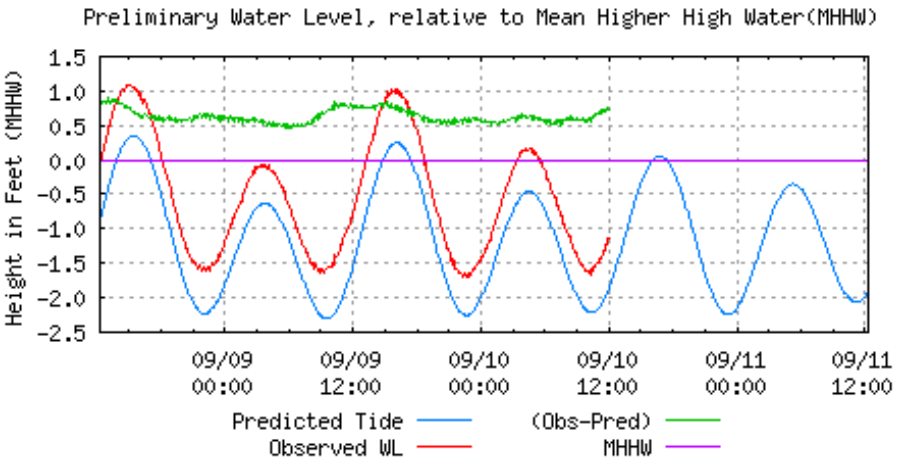
Last Observed Sample: 09/10/2018 12:00 (HST)
Wind Speed: 13 knots Gusts: 15 knots Direction: 24° T

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



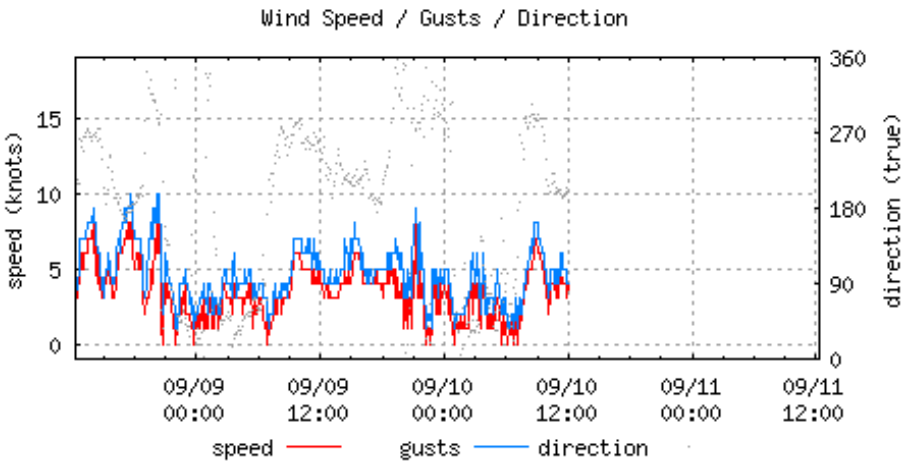
Last Observed Sample: 09/10/2018 12:00 (HST)
Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



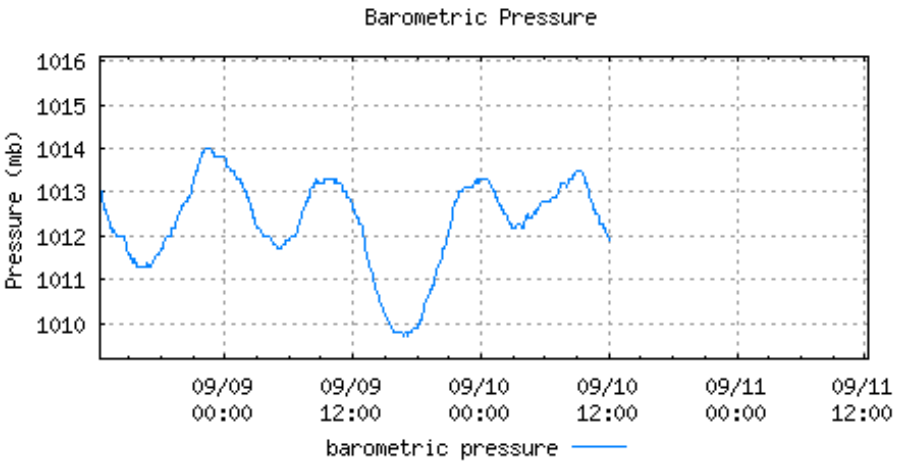
Last Observed Sample: 09/10/2018 12:00 (HST). Data relative to MHHW
Observed: -1.15 ft. Predicted: -1.87 ft. Residual: 0.72 ft.
Historical Maximum Water Level: Dec 15 2016, 1.33 ft.
Next High Tide: 09/10/2018 16:46 (HST), 0.06 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



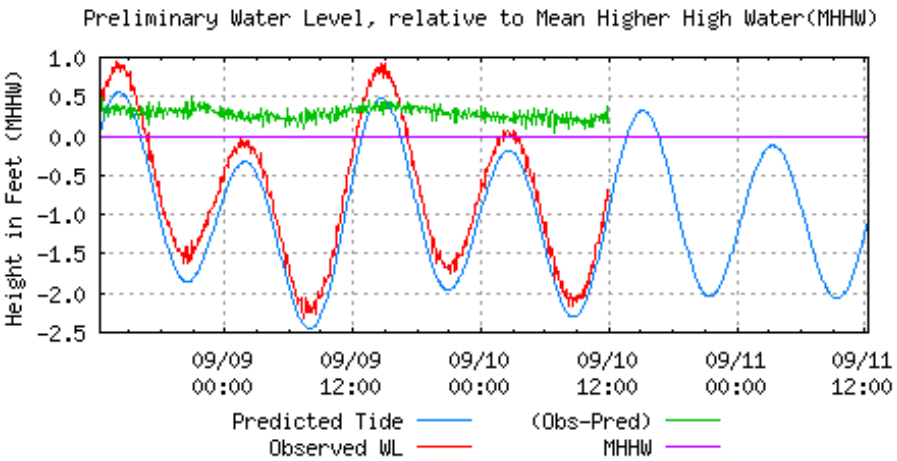
Last Observed Sample: 09/10/2018 12:00 (HST)
Wind Speed: 4 knots Gusts: 4 knots Direction: 201° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



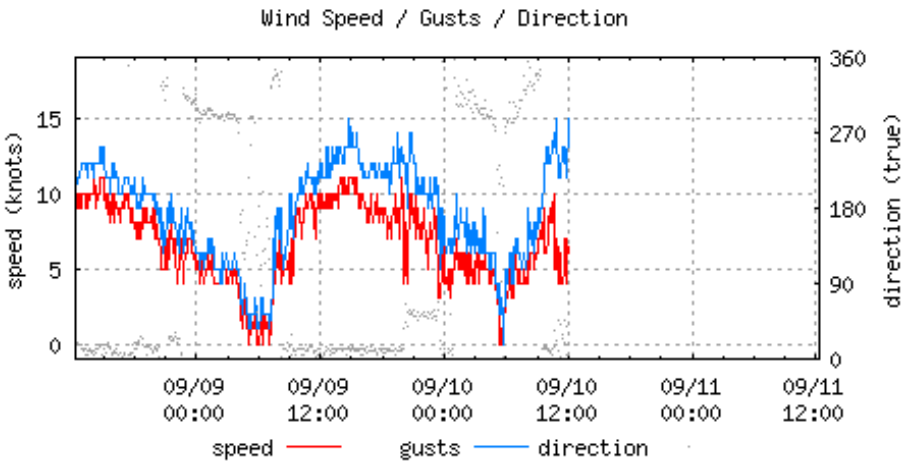
Last Observed Sample: 09/10/2018 12:00 (HST)
Barometric Pressure: 1011.9 mb

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



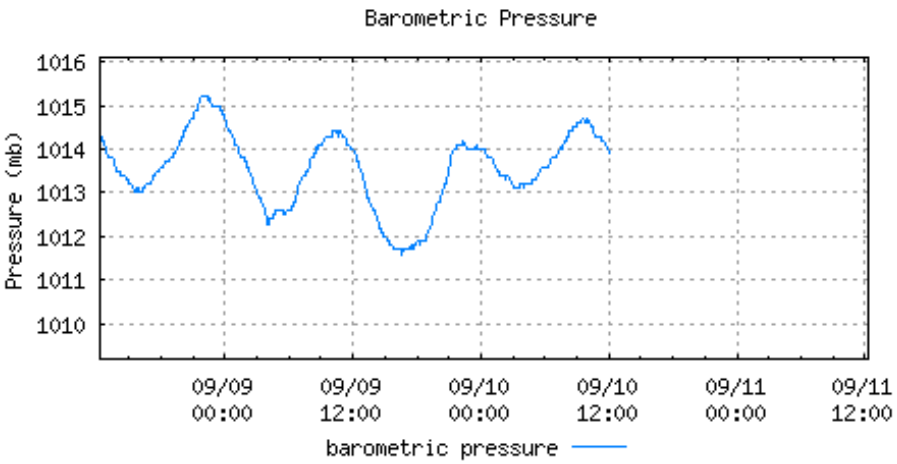
Last Observed Sample: 09/10/2018 12:00 (HST). Data relative to MHHW
Observed: -0.77 ft. Predicted: -0.94 ft. Residual: 0.17 ft.
Historical Maximum Water Level: Aug 21 2017, 1.33 ft.
Next High Tide: 09/10/2018 15:09 (HST), 0.32 ft.

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



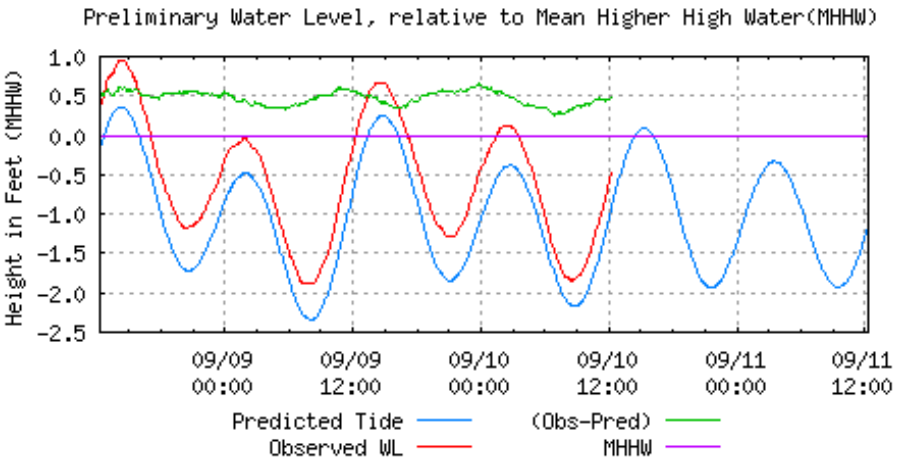
Last Observed Sample: 09/10/2018 12:00 (HST)
Wind Speed: 6 knots Gusts: 15 knots Direction: 4° T

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



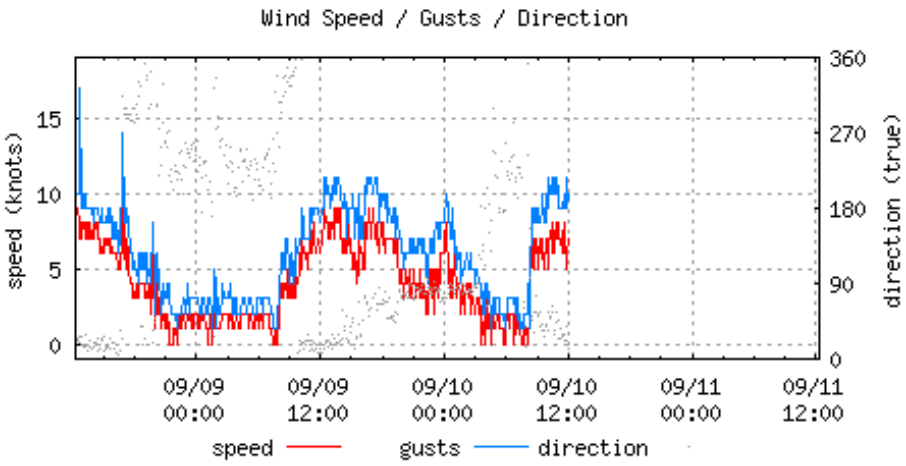
Last Observed Sample: 09/10/2018 12:00 (HST)
Barometric Pressure: 1013.9 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



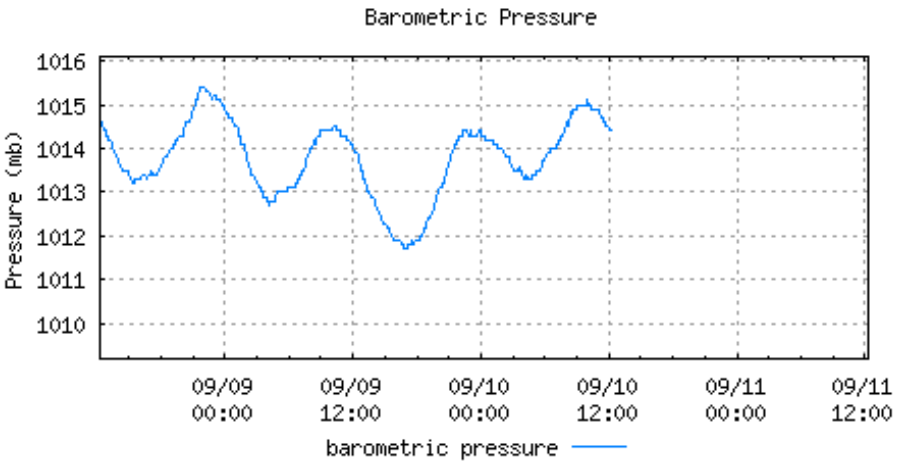
Last Observed Sample: 09/10/2018 12:12 (HST). Data relative to MHHW
Observed: -0.49 ft. Predicted: -0.96 ft. Residual: 0.47 ft.
Historical Maximum Water Level: Aug 21 2017, 1.47 ft.
Next High Tide: 09/10/2018 15:17 (HST), 0.08 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



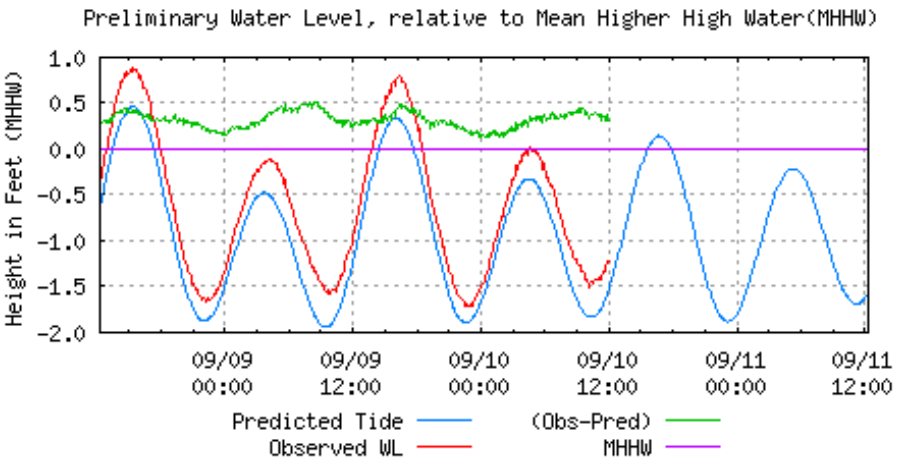
Last Observed Sample: 09/10/2018 12:12 (HST)
Wind Speed: 7 knots Gusts: 10 knots Direction: 11° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



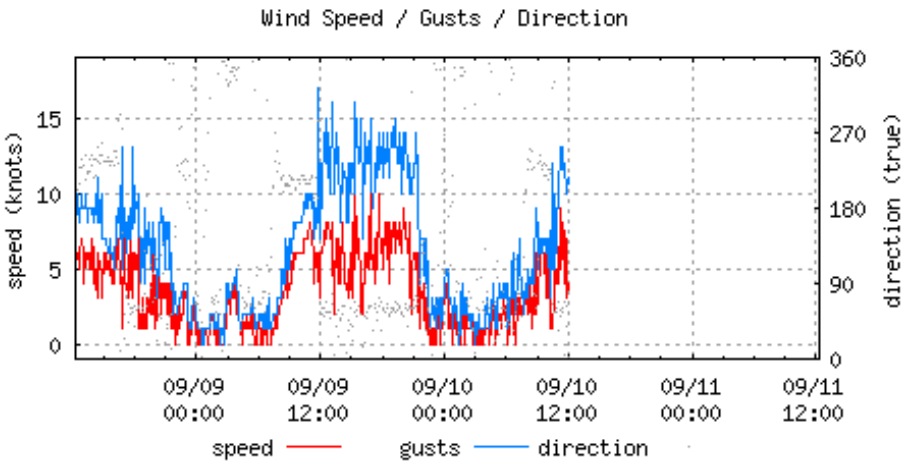
Last Observed Sample: 09/10/2018 12:12 (HST)
Barometric Pressure: 1014.4 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



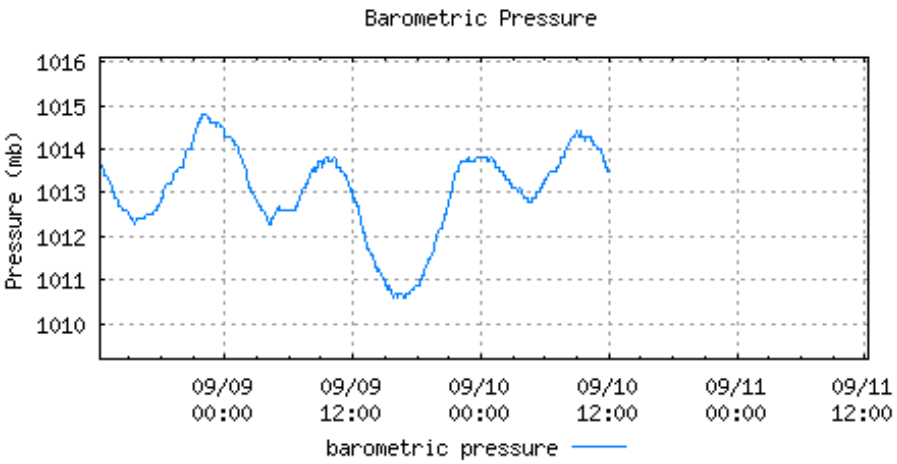
Last Observed Sample: 09/10/2018 12:00 (HST). Data relative to MHHW
Observed: -1.22 ft. Predicted: -1.52 ft. Residual: 0.30 ft.
Historical Maximum Water Level: Sep 11 1992, 1.47 ft.
Next High Tide: 09/10/2018 16:43 (HST), 0.14 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



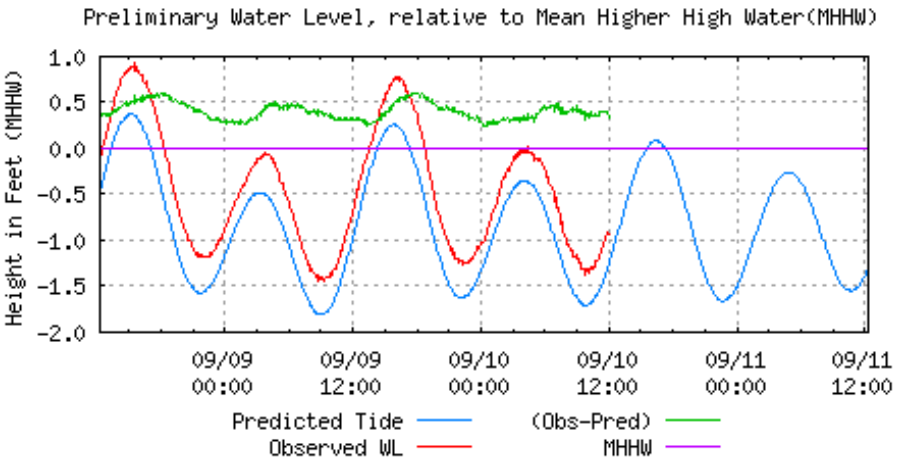
Last Observed Sample: 09/10/2018 12:00 (HST)
Wind Speed: 4 knots Gusts: 11 knots Direction: 3° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



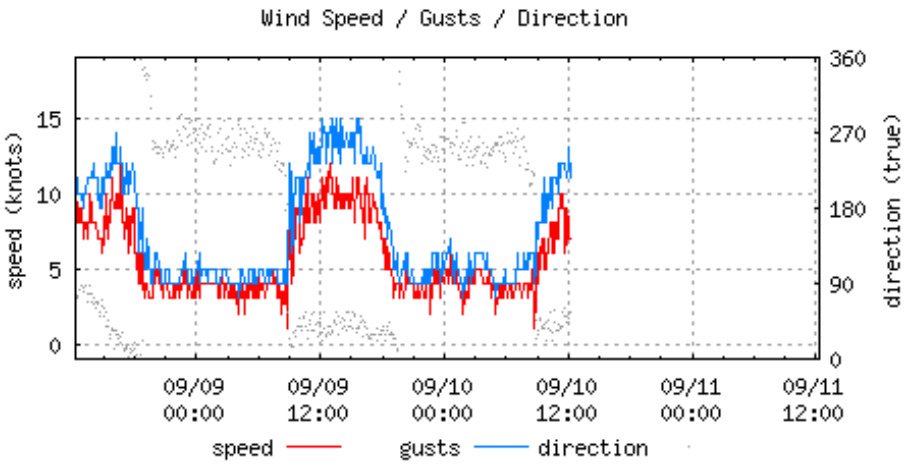
Last Observed Sample: 09/10/2018 12:00 (HST)
Barometric Pressure: 1013.5 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



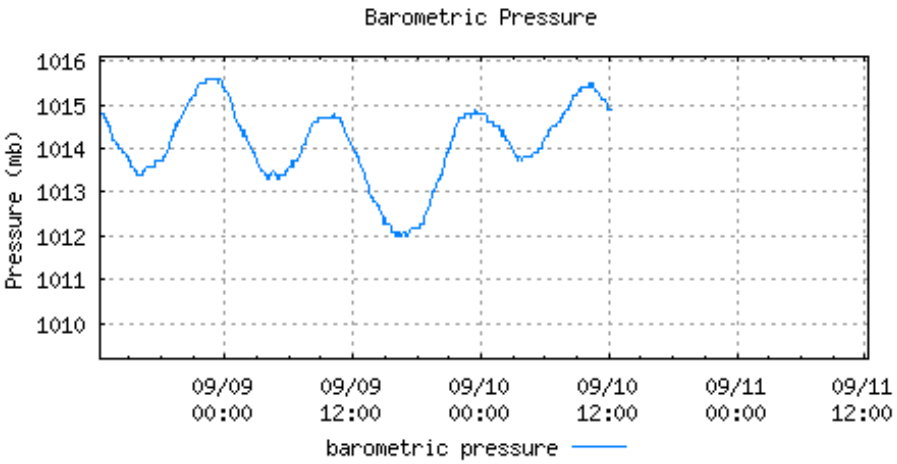
Last Observed Sample: 09/10/2018 12:12 (HST). Data relative to MHHW
Observed: -0.93 ft. Predicted: -1.26 ft. Residual: 0.33 ft.
Historical Maximum Water Level: Sep 11 1992, 3.15 ft.
Next High Tide: 09/10/2018 16:24 (HST), 0.08 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/10/2018 12:12 (HST)
Wind Speed: 7 knots Gusts: 11 knots Direction: 57° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/10/2018 12:12 (HST)
Barometric Pressure: 1014.9 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	09/10/2018 12:00 (HST)	-0.82 ft	-1.50 ft	0.68 ft	1.18 ft
1617433	Kawaihae, HI	09/10/2018 12:00 (HST)	-1.15 ft	-1.87 ft	0.72 ft	1.03 ft
1615680	Kahului, Kahului Harbor, HI	09/10/2018 12:00 (HST)	-0.77 ft	-0.94 ft	0.17 ft	0.92 ft
1612480	Mokuoloe, HI	09/10/2018 12:12 (HST)	-0.49 ft	-0.96 ft	0.47 ft	0.67 ft
1612340	Honolulu, HI	09/10/2018 12:00 (HST)	-1.22 ft	-1.52 ft	0.30 ft	0.81 ft
1611400	Nawiliwili, HI	09/10/2018 12:12 (HST)	-0.93 ft	-1.26 ft	0.33 ft	0.78 ft

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