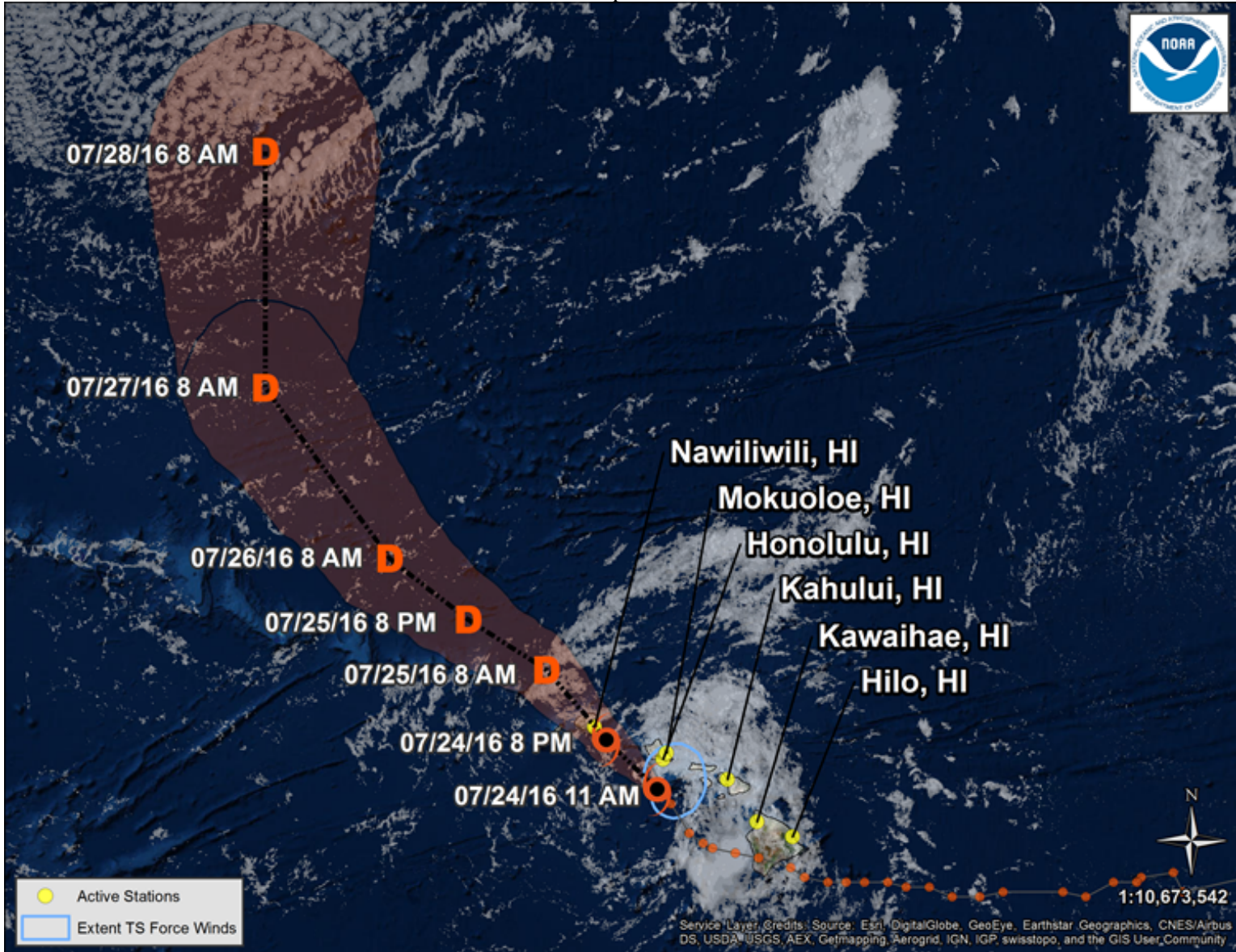




Tropical Storm DARBY QuickLook  
Posted: 12:00 HST 07/24/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/24/2016 12:00 HST, water levels across the Hawaiian Islands are slightly elevated but remain below 0.5 feet above normal tide levels. Winds are presently less than 10 knots at most stations across the region, with the exception of Mokuoloe, where winds range from 15-20 kts with slightly higher gusts. Barometric pressure has leveled off or is now rising from the island of Hawaii to Molokai but continues to slowly fall from Oahu 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 data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: ADM

-----  
SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN  
TROPICAL STORM DARBY ADVISORY NUMBER 53  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI  
1100 AM HST SUN JUL 24 2016

...DARBY STILL A TROPICAL STORM SOUTH OF OAHU...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

\* All islands in the state of Hawaii, except the Big Island.

A Tropical Storm Watch is in effect for...

\* Papahānaumokuākea Marine National Monument...from Nihoa Island to French Frigate Shoals.

A Tropical Storm Warning means that tropical storm conditions are imminent or already occurring. In this case, Tropical Storm conditions are expected over Maui County and Oahu today through tonight, and over Kauai late tonight and Monday.

A Tropical Storm Watch means that Tropical Storm conditions are possible within the watch area...generally within 36 to 48 hours.

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

DISCUSSION AND 48-HOUR OUTLOOK

-----  
At 1100 AM HST (2100 UTC), the center of Tropical Storm Darby was located ABOUT 40 MI S OF HONOLULU HAWAII and ABOUT 125 MI SE OF LIHUE HAWAII. Darby is moving toward the northwest near 9 mph (15 km/h) and this motion is expected to continue over the next 48 hours.

Maximum sustained winds are near 40 mph with higher gusts based on aircraft reconnaissance data. Some weakening is expected with Darby forecast to become a tropical depression tonight or Monday.

Tropical-storm-force winds extend outward up to 80 miles from the center.

The estimated minimum central pressure is 1010 mb.

#### HAZARDS AFFECTING LAND

-----  
WIND: Tropical Storm force winds are expected over parts of Maui County and Oahu through tonight, and over Kauai late tonight and Monday.

SURF: Swells generated by Darby are impacting the Hawaiian Islands, and will continue through tonight before diminishing on Monday.

RAINFALL: Storm total rainfall of 6 to 10 inches, with isolated amounts of up to 15 inches. These rains could produce life-threatening flash floods and landslides.

#### NEXT ADVISORY

-----  
Next intermediate advisory at 200 PM HST.

Next complete advisory at 500 PM HST.

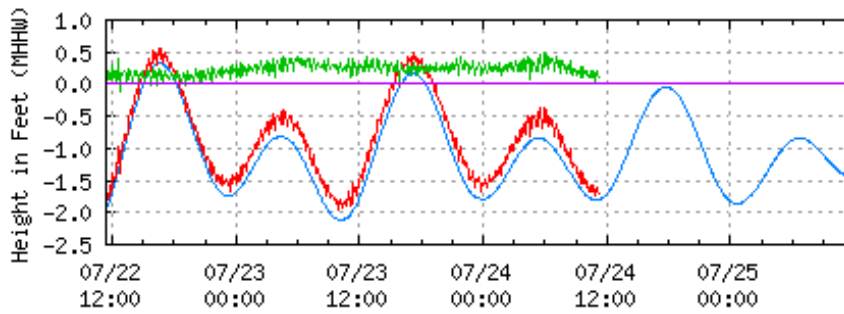
\$\$

Forecaster Kodama

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

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
 Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide ——— blue ———  
 Observed WL ——— red ———  
 (Obs-Pred) ——— green ———  
 MHHW ——— purple ———

Last Observed Sample: 07/24/2016 11:12 (HST). Data relative to MHHW

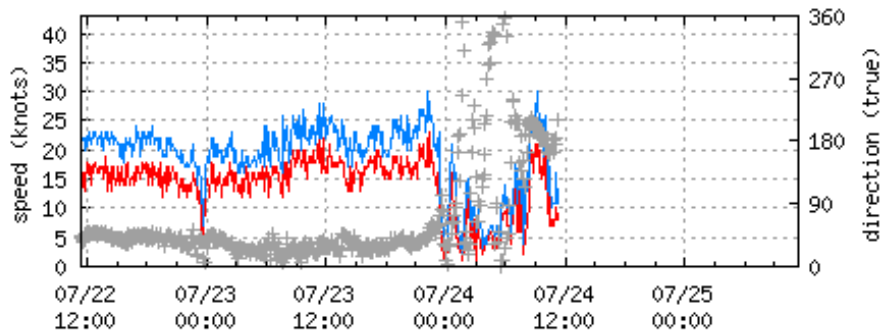
Observed: -1.70 ft. Predicted: -1.80 ft. Residual: 0.10 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 07/24/2016 17:45 (HST), -0.05 ft.

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

Wind Speed / Gusts / Direction

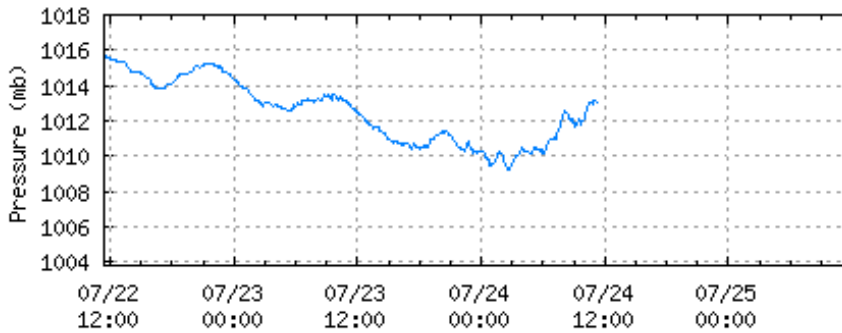


speed ——— red ——— gusts ——— blue ——— direction +

Last Observed Sample: 07/24/2016 11:12 (HST)

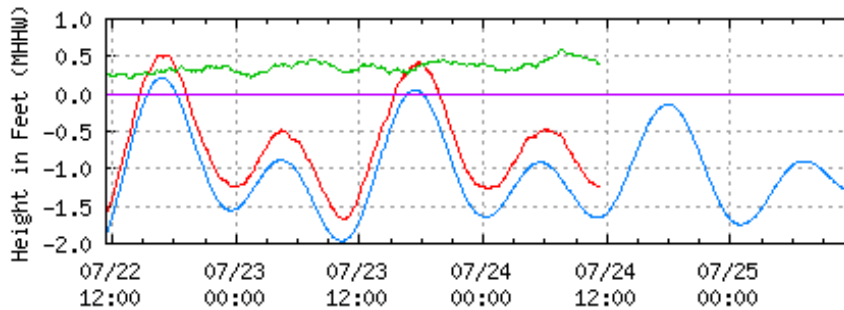
Wind Speed: 8 knots Gusts: 11 knots Direction: 211° T

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



barometric pressure —  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Barometric Pressure: 1013.0 mb

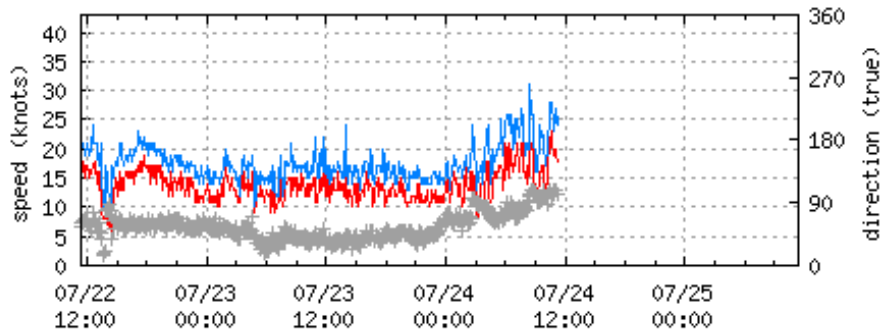
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

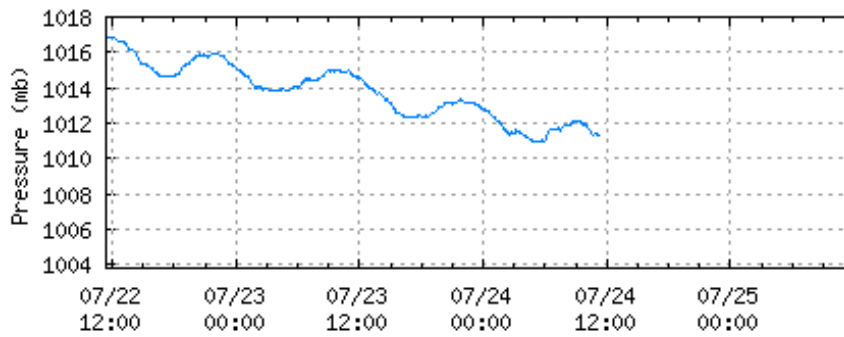
Last Observed Sample: 07/24/2016 11:12 (HST). Data relative to MHHW  
Observed: -1.25 ft. Predicted: -1.66 ft. Residual: 0.41 ft.  
Historical Maximum Water Level: Jan 8 1974, 1.46 ft.  
Next High Tide: 07/24/2016 17:56 (HST), -0.14 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Wind Speed / Gusts / Direction



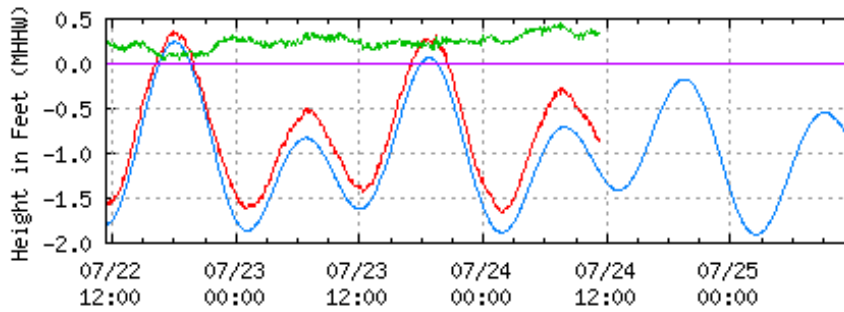
speed — gusts — direction +  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Wind Speed: 18 knots Gusts: 24 knots Direction: 102° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Barometric Pressure: 1011.3 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— blue ———  
 Observed WL ——— red ———  
 (Obs-Pred) ——— green ———  
 MHHW ——— purple ———

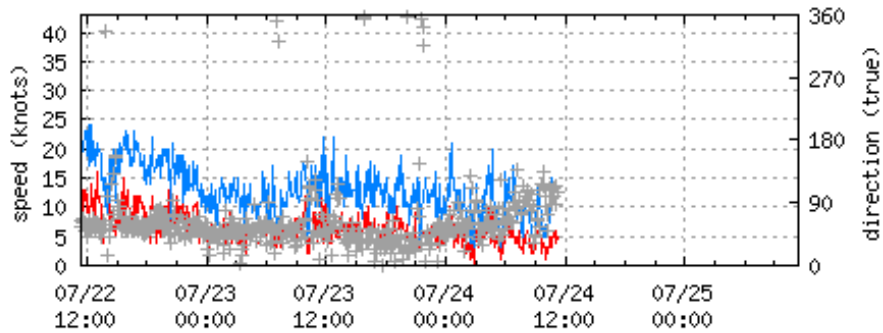
Last Observed Sample: 07/24/2016 11:12 (HST). Data relative to MHHW

Observed: -0.86 ft. Predicted: -1.19 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

Next High Tide: 07/24/2016 19:30 (HST), -0.17 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
 Wind Speed / Gusts / Direction

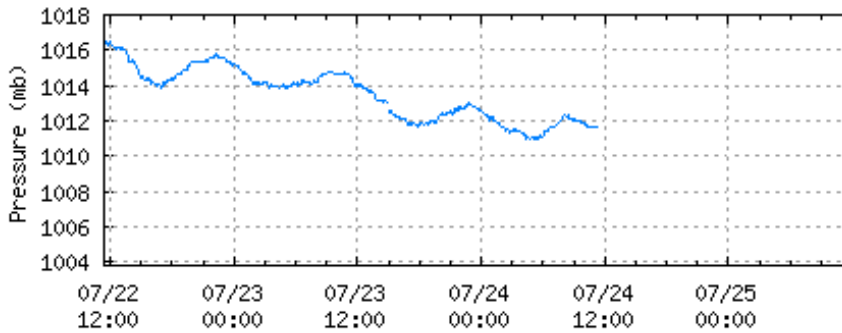


speed ——— red ——— gusts ——— blue ——— direction +

Last Observed Sample: 07/24/2016 11:12 (HST)

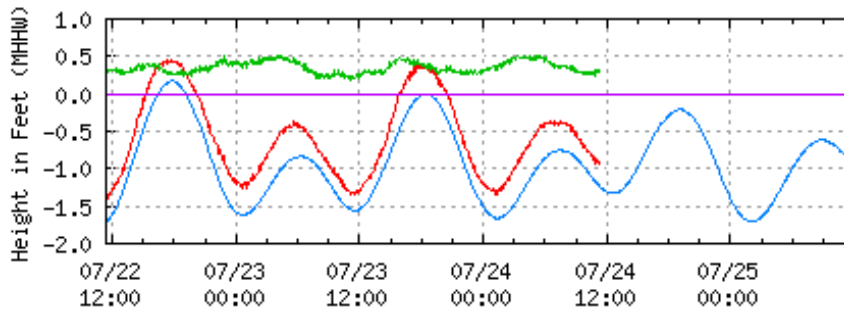
Wind Speed: 5 knots Gusts: 12 knots Direction: 104° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Barometric Pressure: 1011.6 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

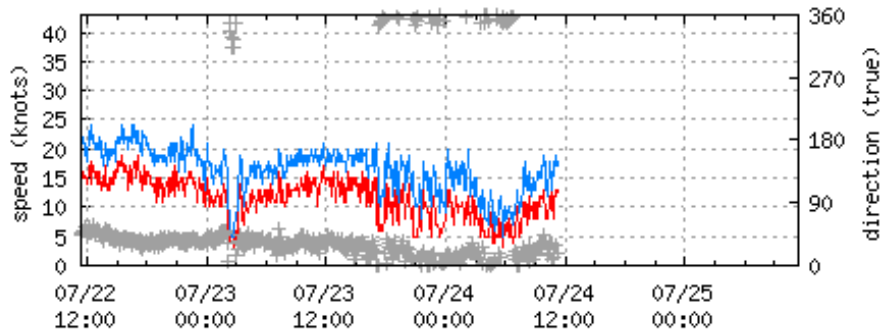


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 07/24/2016 11:18 (HST). Data relative to MHHW  
Observed: -0.91 ft. Predicted: -1.23 ft. Residual: 0.32 ft.  
Historical Maximum Water Level: Sep 11 1992, 3.15 ft.  
Next High Tide: 07/24/2016 19:05 (HST), -0.21 ft.

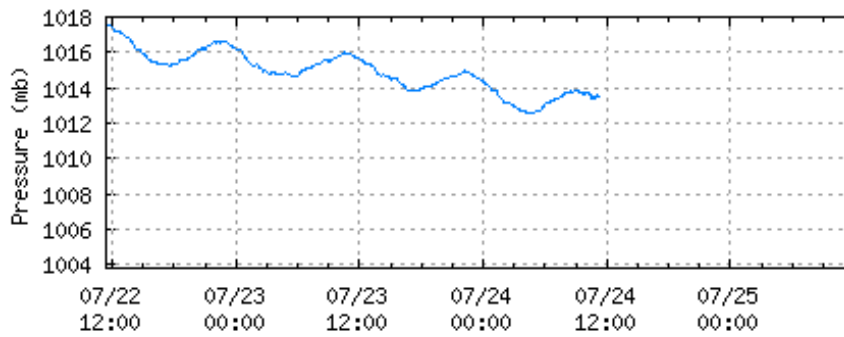


NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
Wind Speed / Gusts / Direction



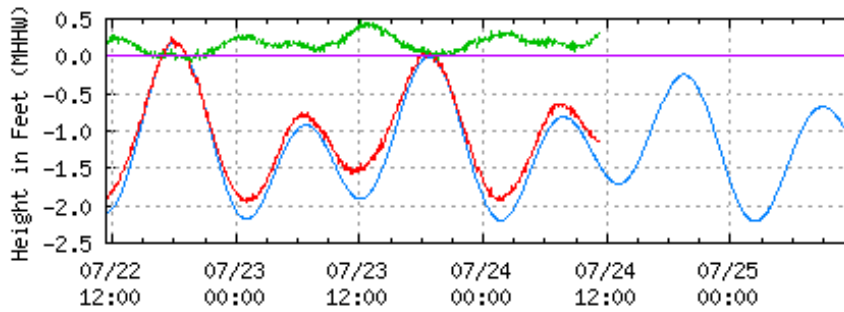
speed — gusts — direction +  
Last Observed Sample: 07/24/2016 11:18 (HST)  
Wind Speed: 13 knots Gusts: 17 knots Direction: 19° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 11:18 (HST)  
Barometric Pressure: 1013.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———  
 Observed WL ——— MHHW ———

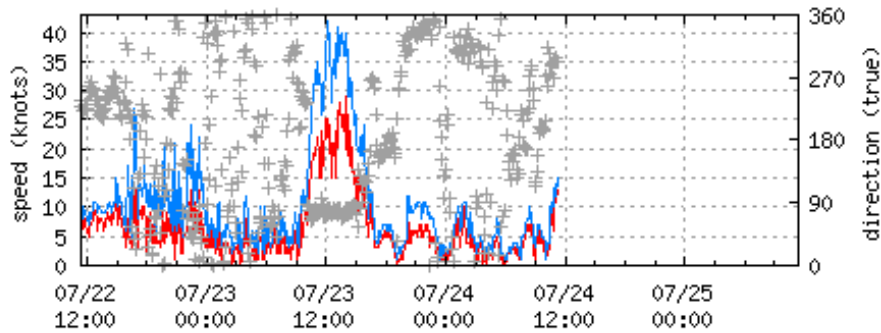
Last Observed Sample: 07/24/2016 11:12 (HST). Data relative to MHHW

Observed: -1.13 ft. Predicted: -1.44 ft. Residual: 0.31 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 07/24/2016 19:29 (HST), -0.25 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
 Wind Speed / Gusts / Direction

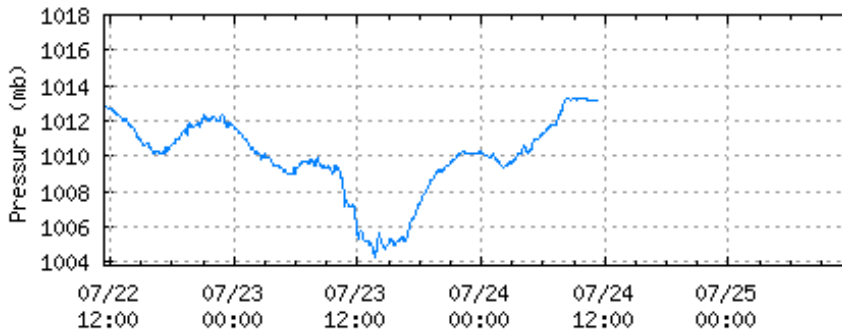


speed ——— gusts ——— direction +

Last Observed Sample: 07/24/2016 11:12 (HST)

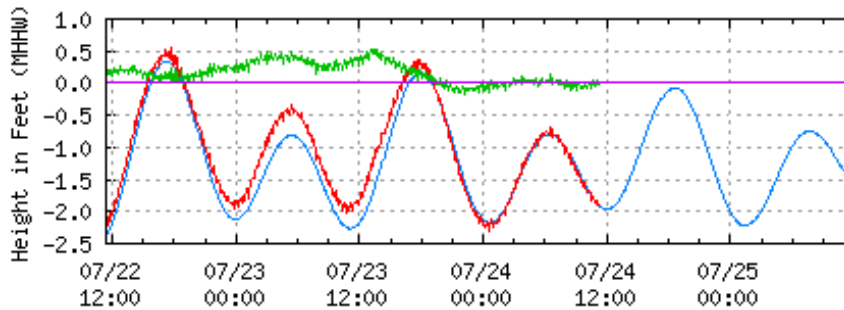
Wind Speed: 13 knots Gusts: 15 knots Direction: 293° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Barometric Pressure: 1013.1 mb

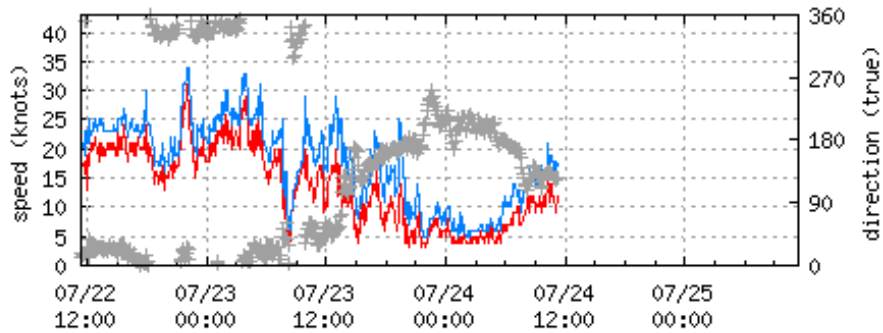
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

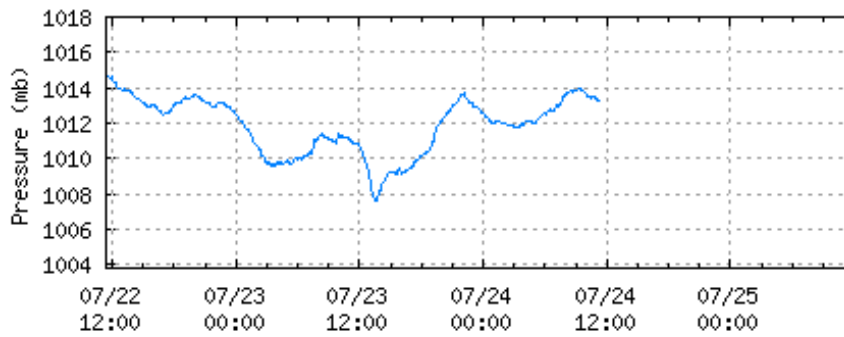
Last Observed Sample: 07/24/2016 11:12 (HST). Data relative to MHHW  
Observed: -1.91 ft. Predicted: -1.90 ft. Residual: -0.01 ft.  
Historical Maximum Water Level: Jan 20 1981, 1.37 ft.  
Next High Tide: 07/24/2016 18:34 (HST), -0.07 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Wind Speed: 12 knots Gusts: 17 knots Direction: 125° T

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



barometric pressure —  
Last Observed Sample: 07/24/2016 11:12 (HST)  
Barometric Pressure: 1013.3 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>
1615680	Kahului, Kahului Harbor, HI	07/24/2016 11:12 (HST)	-1.70 ft	-1.80 ft	0.10 ft	0.49 ft
1612480	Mokuoloe, HI	07/24/2016 11:12 (HST)	-1.25 ft	-1.66 ft	0.41 ft	0.42 ft
1612340	Honolulu, HI	07/24/2016 11:12 (HST)	-0.86 ft	-1.19 ft	0.33 ft	0.31 ft
1611400	Nawiliwili, HI	07/24/2016 11:18 (HST)	-0.91 ft	-1.23 ft	0.32 ft	0.41 ft
1617433	Kawaihae, HI	07/24/2016 11:12 (HST)	-1.13 ft	-1.44 ft	0.31 ft	0.08 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	07/24/2016 11:12 (HST)	-1.91 ft	-1.90 ft	-0.01 ft	0.36 ft

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