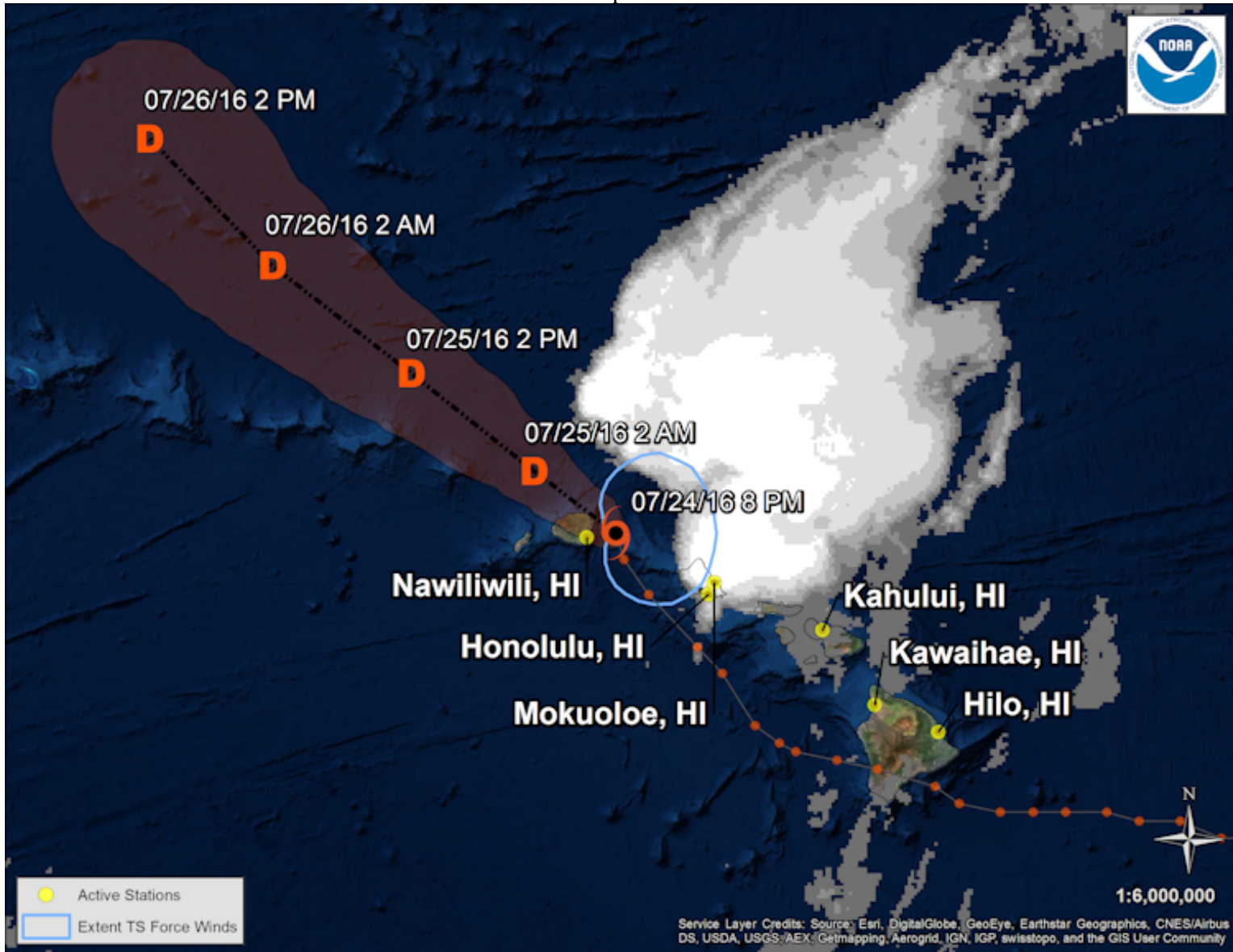




Tropical Storm DARBY QuickLook  
Posted: 00:00 HST 07/25/2016

NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 07/25/2016 00:00 HST, water levels across the Hawaiian Islands are slightly elevated or plotting with predictions. Winds are 10 knots or less across the region with gusts reaching 15 knots. Barometric pressure has leveled off or is rising across the Hawaiian Islands.

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: KLO

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SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM DARBY ADVISORY NUMBER 55  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI EP052016  
1100 PM HST SUN JUL 24 2016

...CENTER OF DARBY BEGINNING TO MOVE NORTHWEST AWAY FROM KAUI...  
...BANDS OF HEAVY RAIN SLAMMING OAHU...

SUMMARY OF 1100 PM HST...0900 UTC...INFORMATION

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LOCATION...22.4N 159.4W  
ABOUT 30 MI...45 KM N OF LIHUE HAWAII  
ABOUT 125 MI...195 KM NW OF HONOLULU HAWAII  
MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H  
PRESENT MOVEMENT...NW OR 320 DEGREES AT 12 MPH...19 KM/H  
MINIMUM CENTRAL PRESSURE...1009 MB...29.80 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- \* Oahu
- \* Kauai County, including the islands of Kauai and Niihau

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

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 PM HST (0900 UTC), the center of Tropical Storm Darby was located near 22.4N 159.4W. Darby is moving toward the northwest near 12 mph (19 km/h) and this motion is expected to continue over the next couple of days. On the forecast track, the center of Darby will be moving away from Kauai overnight.

Maximum sustained winds are near 40 mph (65 km/h) with higher gusts. Some weakening is forecast during the next 48 hours and Darby is expected to weaken to a tropical depression on Monday, and become a post-tropical remnant low by Tuesday.

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

The estimated minimum central pressure is 1009 mb (29.80 inches).

#### HAZARDS AFFECTING LAND

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WIND: Tropical Storm force winds are expected over Oahu and Kauai tonight.

SURF: Swells generated by Darby will affect Kauai and Oahu tonight before diminishing Monday.

RAINFALL: Additional rainfall of 2 to 4 inches, with possible isolated maximum amounts of up to 5 inches, can be expected over portions of the Hawaiian Islands through Monday. These torrential rains could produce life-threatening flash floods and landslides.

#### NEXT ADVISORY

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Next intermediate advisory at 200 AM HST.

Next complete advisory at 500 AM HST.

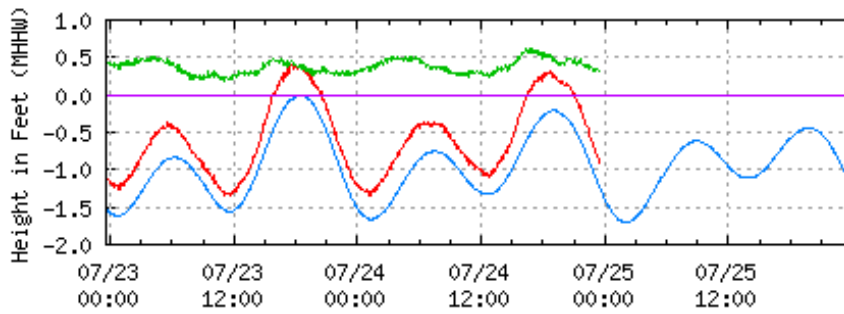
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Forecaster Birchard

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: [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - 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 1611400 Nawiliwili, 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 23:30 (HST). Data relative to MHHW

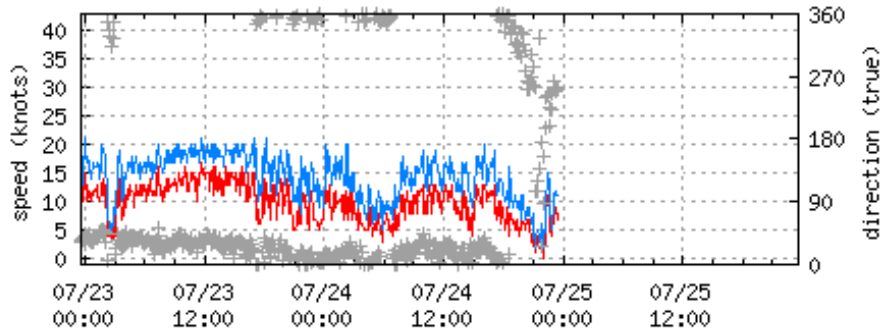
Observed: -0.91 ft. Predicted: -1.24 ft. Residual: 0.33 ft.

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

Next High Tide: 07/25/2016 08:55 (HST), -0.62 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Wind Speed / Gusts / Direction

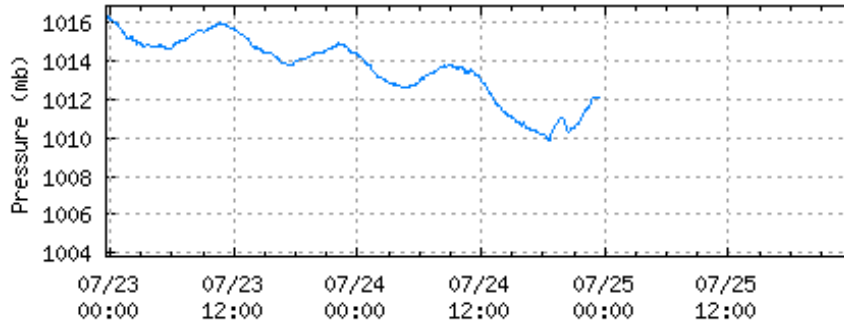


speed ——— red ——— gusts ——— blue ——— direction +

Last Observed Sample: 07/24/2016 23:30 (HST)

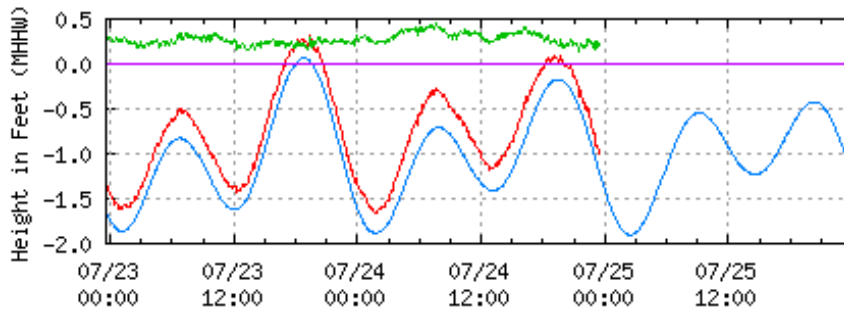
Wind Speed: 7 knots Gusts: 11 knots Direction: 253° T

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



barometric pressure —  
Last Observed Sample: 07/24/2016 23:30 (HST)  
Barometric Pressure: 1012.1 mb

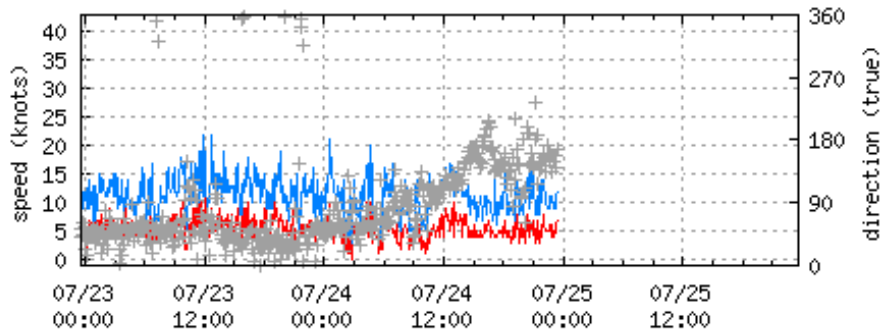
NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



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

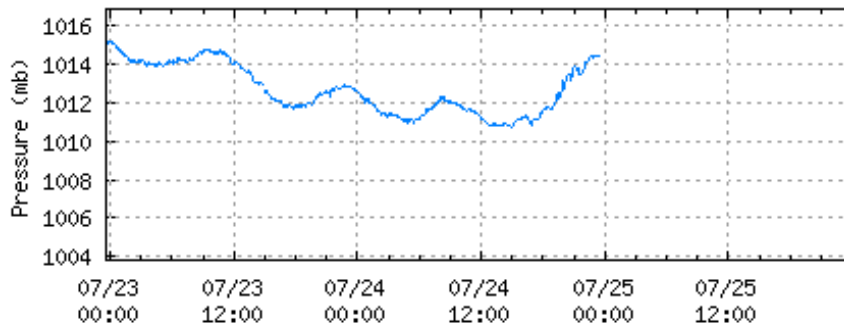
Last Observed Sample: 07/24/2016 23:24 (HST). Data relative to MHHW  
Observed: -0.99 ft. Predicted: -1.19 ft. Residual: 0.20 ft.  
Historical Maximum Water Level: Feb 14 1967, 1.49 ft.  
Next High Tide: 07/25/2016 09:10 (HST), -0.55 ft.

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



speed — gusts — direction +  
Last Observed Sample: 07/24/2016 23:24 (HST)  
Wind Speed: 7 knots Gusts: 12 knots Direction: 167° T

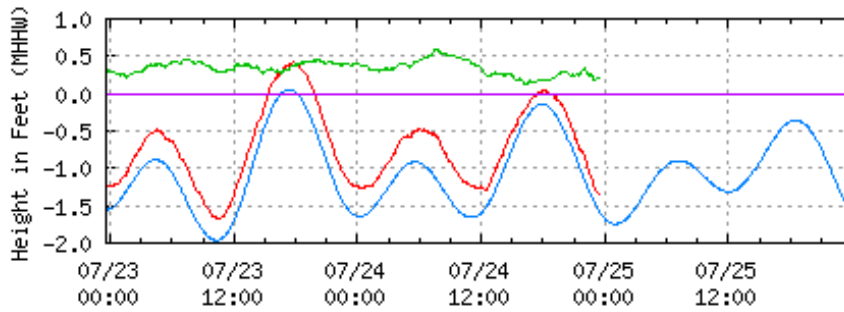
NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Barometric Pressure



barometric pressure —

Last Observed Sample: 07/24/2016 23:24 (HST)  
Barometric Pressure: 1014.4 mb

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



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

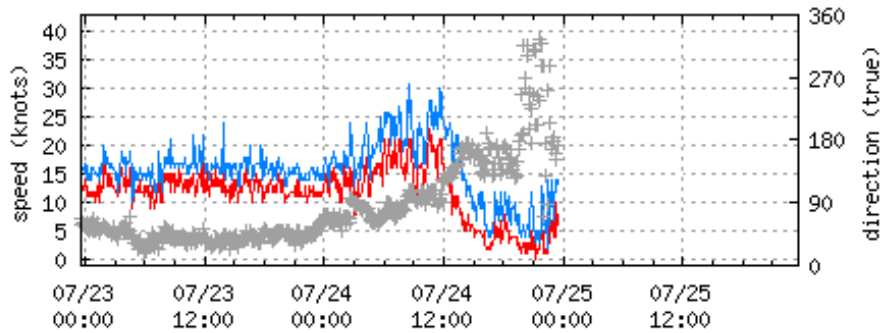
Last Observed Sample: 07/24/2016 23:24 (HST). Data relative to MHHW

Observed: -1.34 ft. Predicted: -1.56 ft. Residual: 0.22 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 07/25/2016 07:09 (HST), -0.90 ft.

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

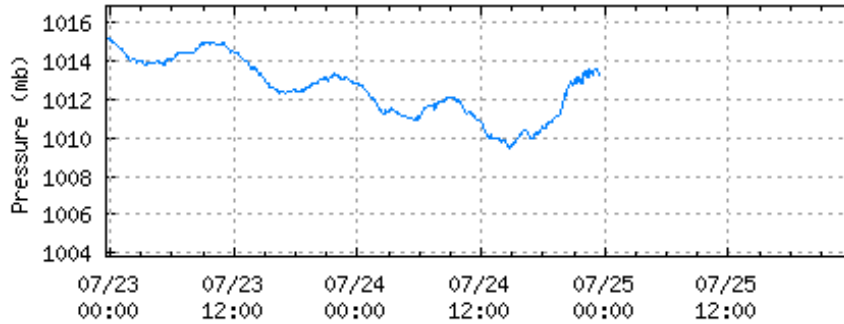


speed — (red line)      gusts — (blue line)      direction + (grey)

Last Observed Sample: 07/24/2016 23:24 (HST)

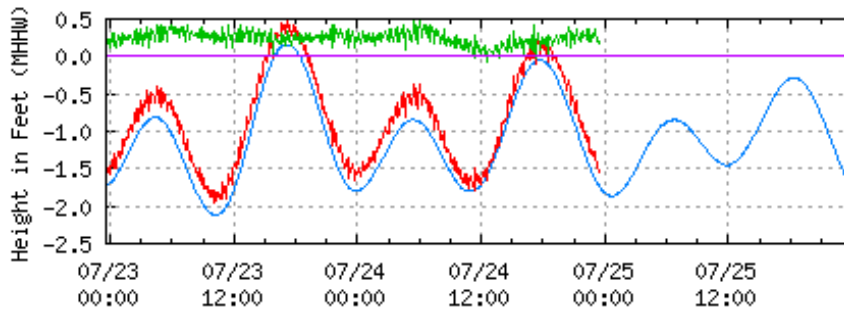
Wind Speed: 8 knots    Gusts: 14 knots    Direction: 172° T

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



barometric pressure —  
Last Observed Sample: 07/24/2016 23:24 (HST)  
Barometric Pressure: 1013.3 mb

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

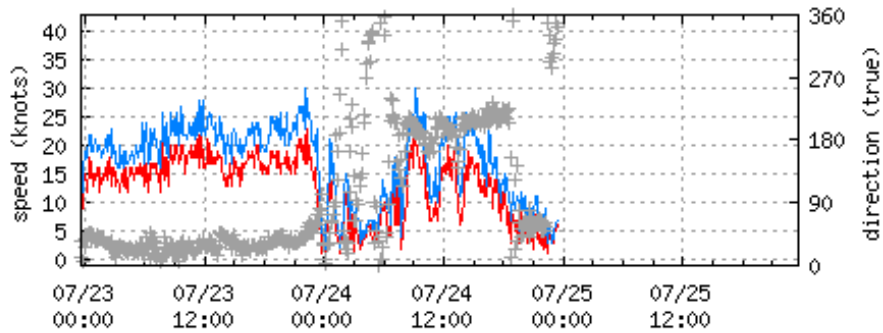


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 07/24/2016 23:24 (HST). Data relative to MHHW  
Observed: -1.55 ft. Predicted: -1.72 ft. Residual: 0.17 ft.  
Historical Maximum Water Level: Dec 20 1968, 1.23 ft.  
Next High Tide: 07/25/2016 06:44 (HST), -0.84 ft.

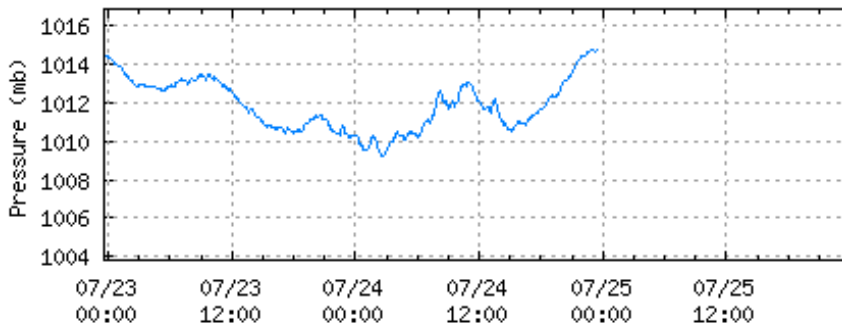


NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 07/24/2016 23:24 (HST)  
Wind Speed: 6 knots Gusts: 7 knots Direction: 343° T

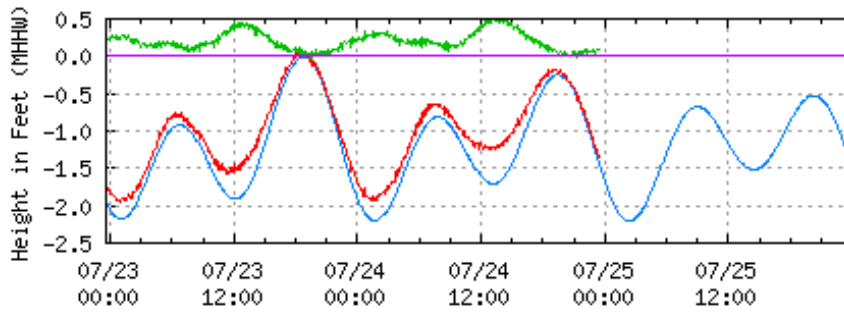
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
Barometric Pressure



barometric pressure —

Last Observed Sample: 07/24/2016 23:24 (HST)  
Barometric Pressure: 1014.8 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 ———

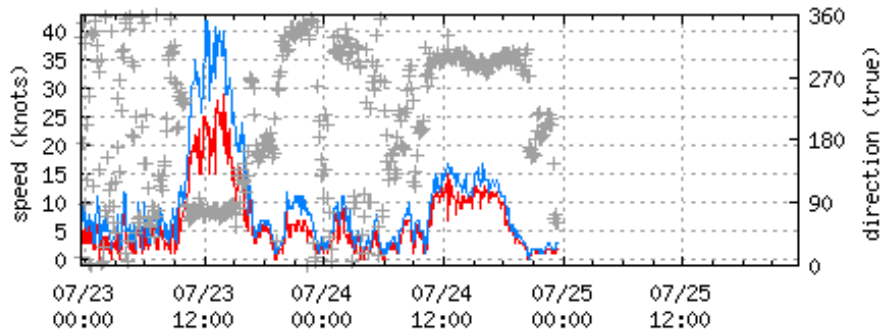
Last Observed Sample: 07/24/2016 23:24 (HST). Data relative to MHHW

Observed: -1.35 ft. Predicted: -1.43 ft. Residual: 0.08 ft.

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

Next High Tide: 07/25/2016 08:58 (HST), -0.67 ft.

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

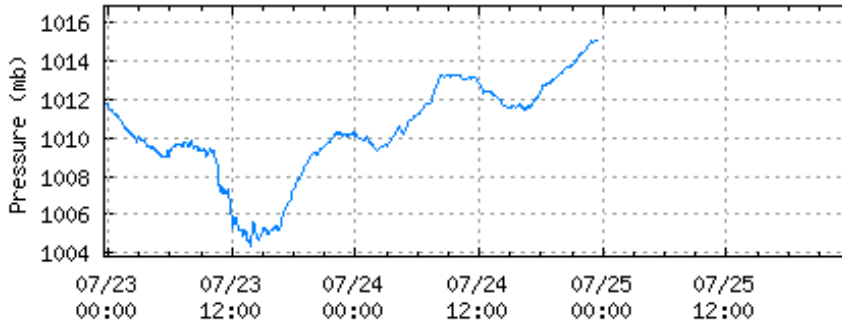


speed ——— gusts ——— direction +

Last Observed Sample: 07/24/2016 23:24 (HST)

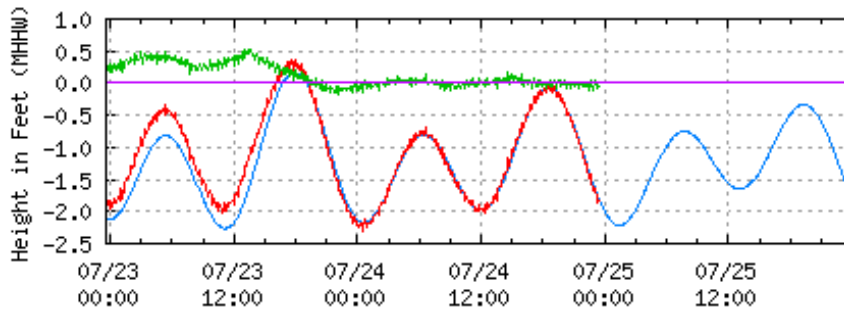
Wind Speed: 2 knots Gusts: 3 knots Direction: 62° T

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



barometric pressure —  
Last Observed Sample: 07/24/2016 23:24 (HST)  
Barometric Pressure: 1015.1 mb

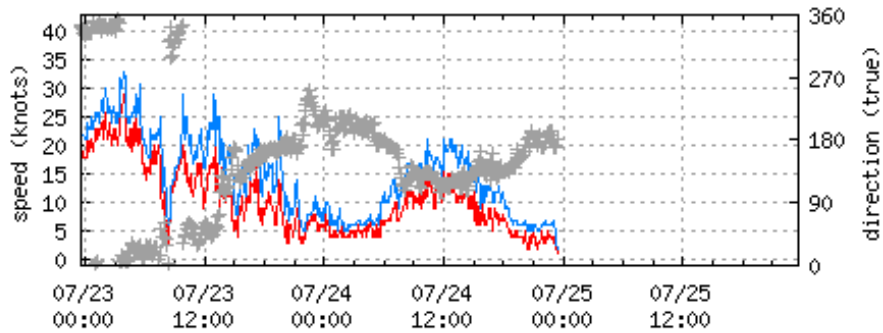
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



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

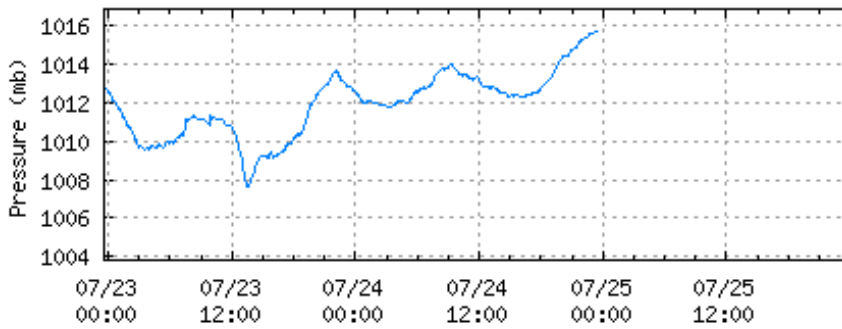
Last Observed Sample: 07/24/2016 23:24 (HST). Data relative to MHHW  
Observed: -1.84 ft. Predicted: -1.80 ft. Residual: -0.04 ft.  
Historical Maximum Water Level: Jan 20 1981, 1.37 ft.  
Next High Tide: 07/25/2016 07:42 (HST), -0.75 ft.

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



speed — gusts — direction +  
Last Observed Sample: 07/24/2016 23:24 (HST)  
Wind Speed: 1 knots Gusts: 2 knots Direction: 182° T

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



barometric pressure —

Last Observed Sample: 07/24/2016 23:24 (HST)  
Barometric Pressure: 1015.7 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>
1611400	Nawiliwili, HI	07/24/2016 23:30 (HST)	-0.91 ft	-1.24 ft	0.33 ft	0.31 ft
1612340	Honolulu, HI	07/24/2016 23:24 (HST)	-0.99 ft	-1.19 ft	0.20 ft	0.10 ft
1612480	Mokuoloe, HI	07/24/2016 23:24 (HST)	-1.34 ft	-1.56 ft	0.22 ft	0.05 ft
1615680	Kahului, Kahului Harbor, HI	07/24/2016 23:24 (HST)	-1.55 ft	-1.72 ft	0.17 ft	0.33 ft
1617433	Kawaihae, HI	07/24/2016 23:24 (HST)	-1.35 ft	-1.43 ft	0.08 ft	-0.18 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	07/24/2016 23:24 (HST)	-1.84 ft	-1.80 ft	-0.04 ft	-0.05 ft

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