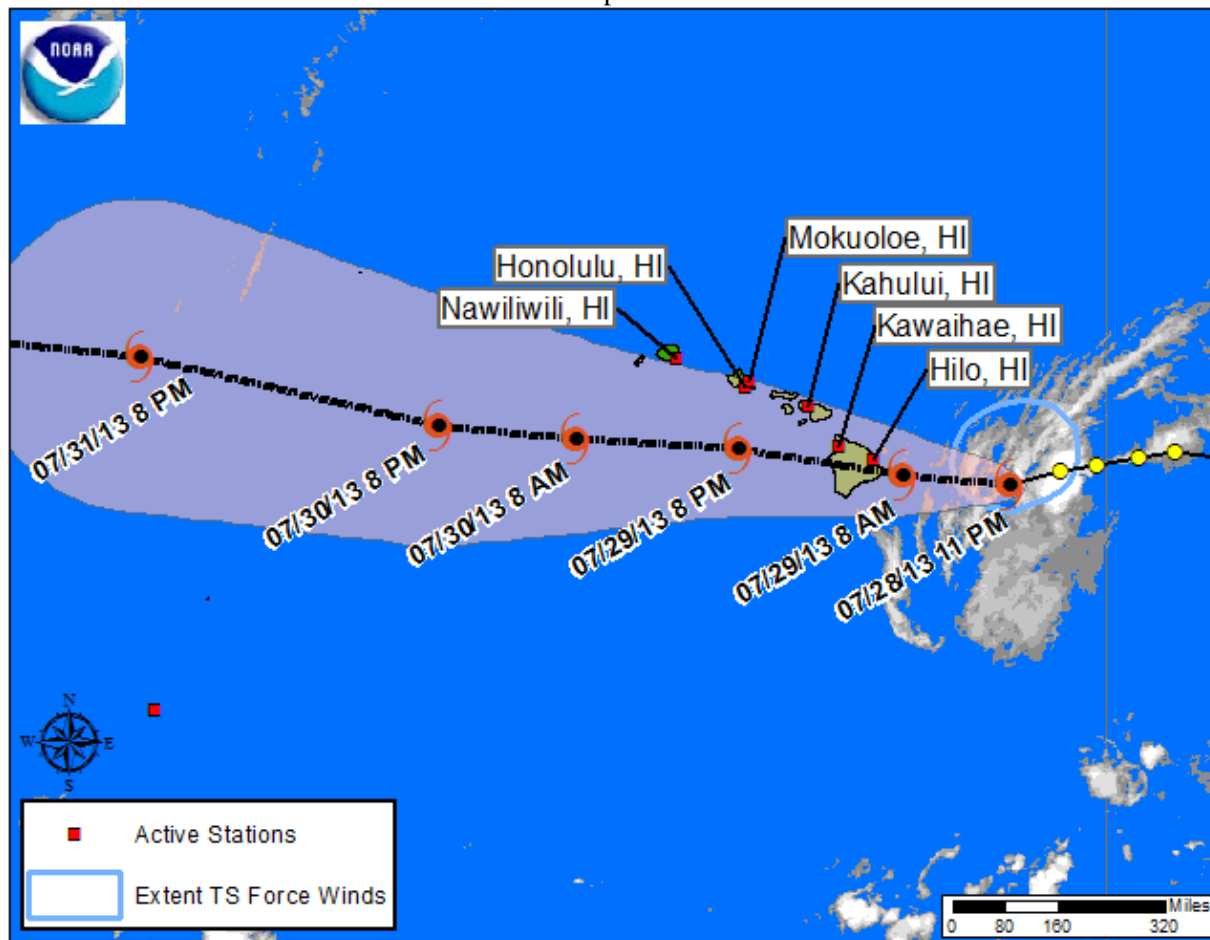




Tropical Storm FLOSSIE QuickLook
Posted: 00:00 HST 07/29/2013

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 7/29/2013 00:00 HST, water levels in the Hawaiian Islands are generally at or slightly above predicted tide levels. Winds are rising at Hilo and are now measuring 15 to 20 knots with slightly higher gusts. Elsewhere across the Hawaiian Islands, winds are generally between 5 and 15 knots. Barometric pressure has begun to slowly fall across the region.

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. Water level predictions relative to Mean Lower Low Water are:

Hilo, Hilo Bay, Kuhio Bay, HI: Next predicted high tides are 1.8 ft (0.56 m) at 07/29/2013 09:36 HST and 1.5 ft (0.46 m) at 07/29/2013 19:46 HST.

Kawaihae, HI: Next predicted high tides are 1.7 ft (0.52 m) at 07/29/2013 10:23 HST and 1.1 ft (0.33 m) at

Tropical Storm FLOSSIE QuickLook, POSTED 00:00 HST 07/29/2013

07/29/2013 21:00 HST.

Kahului, Kahului Harbor, HI: Next predicted high tides are 1.6 ft (0.48 m) at 07/29/2013 09:12 HST and 1.5 ft (0.46 m) at 07/29/2013 18:06 HST.

Mokuoloe, HI: Next predicted high tides are 1.5 ft (0.45 m) at 07/29/2013 10:23 HST and 1.4 ft (0.42 m) at 07/29/2013 17:38 HST.

Honolulu, HI: Next predicted high tides are 1.6 ft (0.50 m) at 07/29/2013 10:44 HST and 1.0 ft (0.30 m) at 07/29/2013 21:18 HST.

Nawiliwili, HI: Next predicted high tides are 1.5 ft (0.46 m) at 07/29/2013 10:36 HST and 1.0 ft (0.29 m) at 07/29/2013 20:07 HST.

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:PFF

SELECT [CENTRAL PACIFIC HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM FLOSSIE ADVISORY NUMBER 18
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI EP062013
1100 PM HST SUN JUL 28 2013

...FLOSSIE CONTINUES TO BEAR DOWN ON THE MAIN HAWAIIAN ISLANDS...

WATCHES AND WARNINGS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

*HAWAII COUNTY

*MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI AND KAHOO LAWE

*OAHU

A TROPICAL STORM WATCH IS IN EFFECT FOR

*KAUAI AND NIIHAU

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE OF THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM HST...0900 UTC...THE CENTER OF TROPICAL STORM FLOSSIE WAS LOCATED ABOUT 200 MI E OF HILO HAWAII AND ABOUT 405 MI ESE OF HONOLULU HAWAII. FLOSSIE IS MOVING TOWARD THE WEST NEAR 17 MPH...28 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 12 HOURS WITH A SLIGHT TURN TO THE WEST NORTHWEST AFTER THAT.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH...85 KM/H...WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES...220 KM FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 999 MB...29.50 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE BIG ISLAND LATE TONIGHT...MAUI COUNTY MONDAY MORNING AND OAHU MONDAY NIGHT. TROPICAL STORM CONDITIONS ARE POSSIBLE ON KAUAI AND NIIHAU MONDAY NIGHT...LASTING INTO TUESDAY.

RAINFALL...HEAVY RAINFALL IS EXPECTED TO BEGIN AS EARLY AS MONDAY MORNING OVER HAWAII COUNTY AND MONDAY AFTERNOON OVER MAUI COUNTY... WITH HEAVY RAIN SPREADING TO OAHU BY MONDAY NIGHT. FLOSSIE IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 6 TO 10 INCHES OVER THE BIG ISLAND AND MAUI COUNTY...WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE...MAINLY WINDWARD. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE POSSIBLE OVER OAHU...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE...MAINLY WINDWARD. THIS RAINFALL COULD CAUSE LIFE- THREATENING FLASH FLOODS AND MUD SLIDES...ESPECIALLY IN THE MOUNTAINS.

SURF...DANGEROUSLY HIGH SURF IS STARTING TO HAMMER EAST FACING SHORES OF THE BIG ISLAND. SURF WILL BUILD OVERNIGHT...WITH THE LARGEST SURF EXPECTED MONDAY INTO TUESDAY. THE BIG SURF MAY CAUSE COASTAL ROAD CLOSURES...EVEN BEFORE THE STORM ARRIVES. PLEASE SEE THE LATEST HURRICANE LOCAL STATEMENT FOR INFORMATION SPECIFIC TO YOUR AREA.

FORECASTER DONALDSON

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.

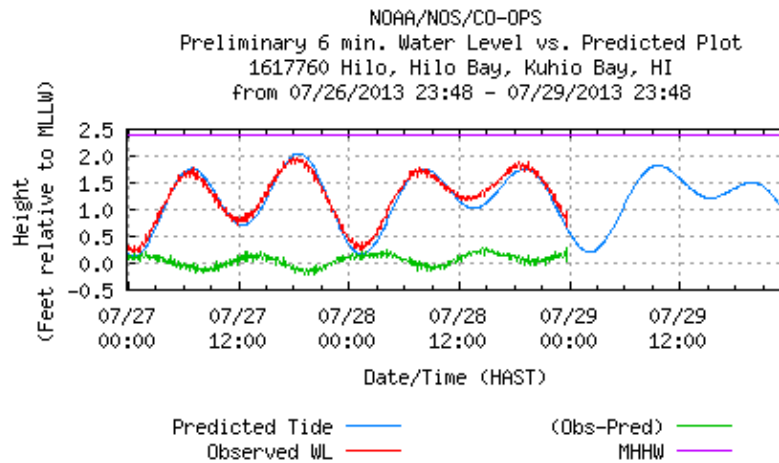
Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Hilo, Hilo Bay, Kuhio Bay - Air/Water Temp](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kawaihae - Air/Water Temp](#),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

Tropical Storm FLOSSIE QuickLook, POSTED 00:00 HST 07/29/2013

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

Tropical Storm FLOSSIE QuickLook, POSTED 00:00 HST 07/29/2013

Hilo, Hilo Bay, Kuhio Bay, HI - Return to List

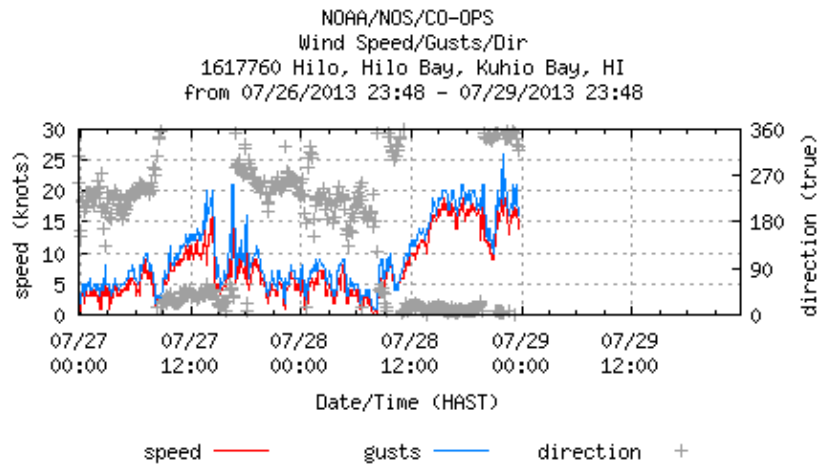


Last Observed Sample: 07/28/2013 23:48 (HAST)

Relative to MLLW: **Observed: 0.73 ft.** **Predicted: 0.61 ft.** **Residual: 0.12 ft.**

Historical Maximum Water Level: Jan 20 1981, 3.77 ft. above MLLW

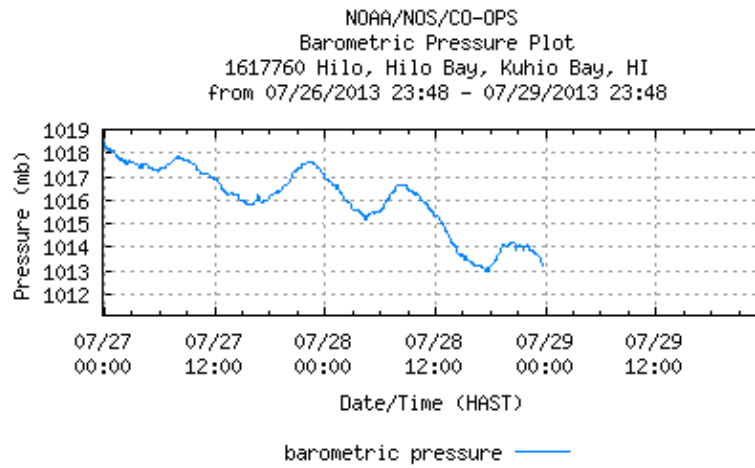
Hilo, Hilo Bay, Kuhio Bay, HI - Return to List



Last Observed Sample: 07/28/2013 23:48 (HAST)

Wind Speed: 12 knots **Gusts: 16 knots** **Direction: 321° T**

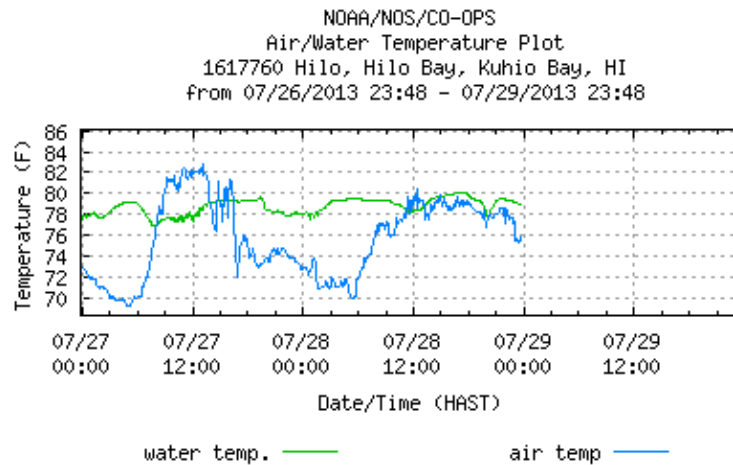
[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)



Last Observed Sample: 07/28/2013 23:48 (HAST)

Barometric Pressure: 1013.1 mb

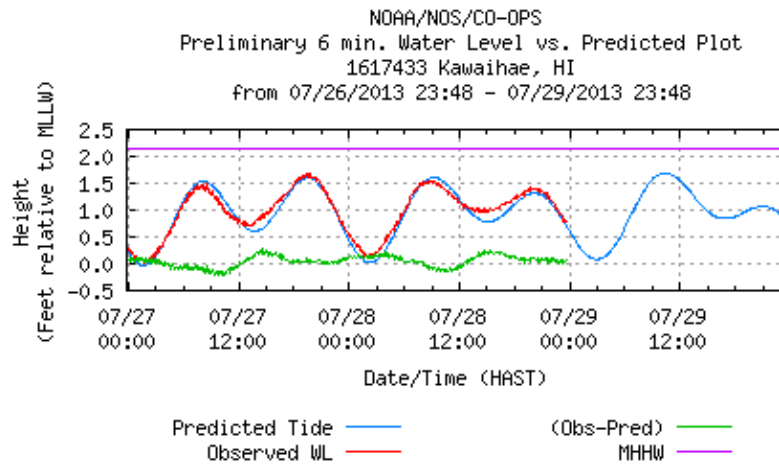
[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)



Last Observed Sample: 07/28/2013 23:48 (HAST)

Water Temperature: 79.0° F Air Temperature: 76.1° F

Kawaihae, HI - Return to List

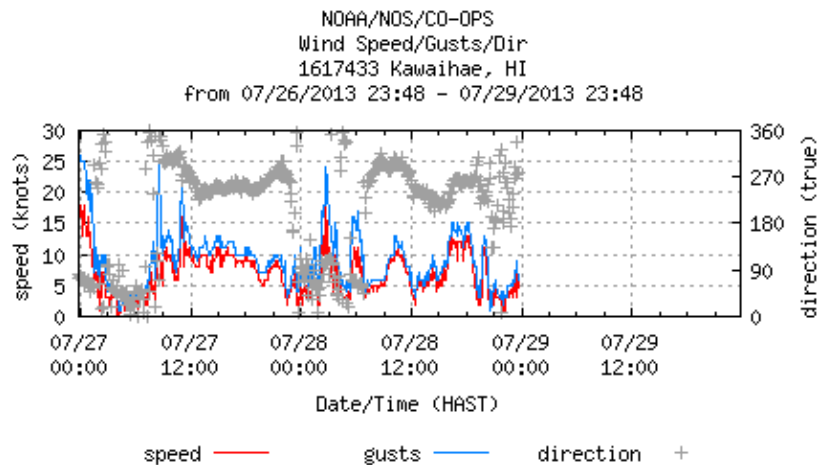


Last Observed Sample: 07/28/2013 23:42 (HAST)

Relative to MLLW: **Observed: 0.66 ft.** **Predicted: 0.69 ft.** **Residual: -0.03 ft.**

Historical Maximum Water Level: Dec 13 2008, 3.38 ft. above MLLW

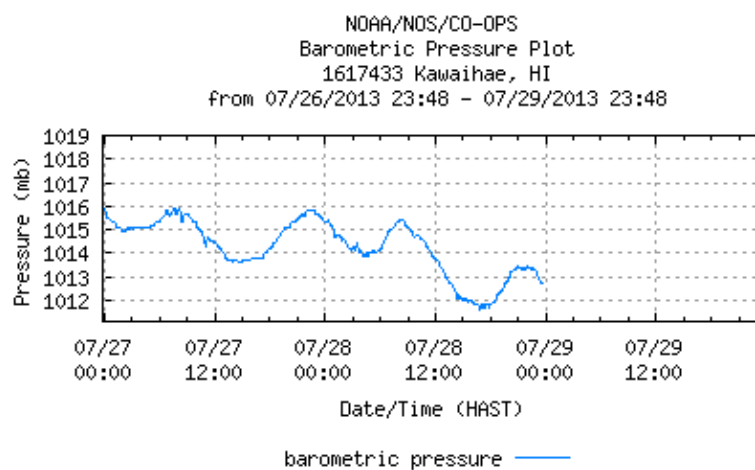
Kawaihae, HI - Return to List



Last Observed Sample: 07/28/2013 23:42 (HAST)

Wind Speed: 5 knots **Gusts: 6 knots** **Direction: 301° T**

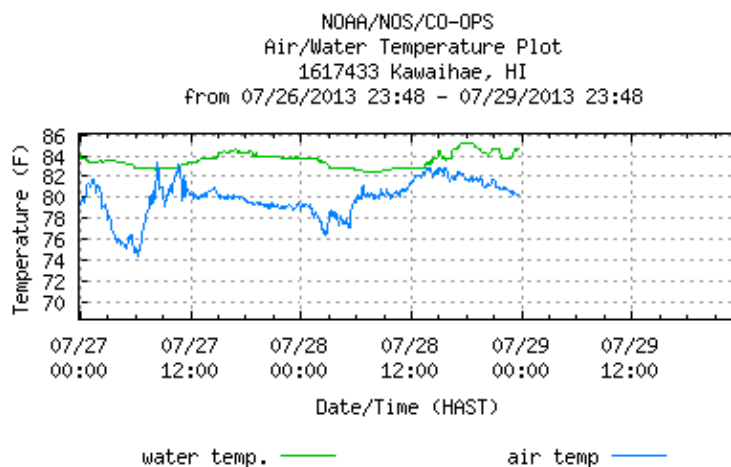
[Kawaihae, HI - Return to List](#)



Last Observed Sample: 07/28/2013 23:42 (HAST)

Barometric Pressure: 1012.7 mb

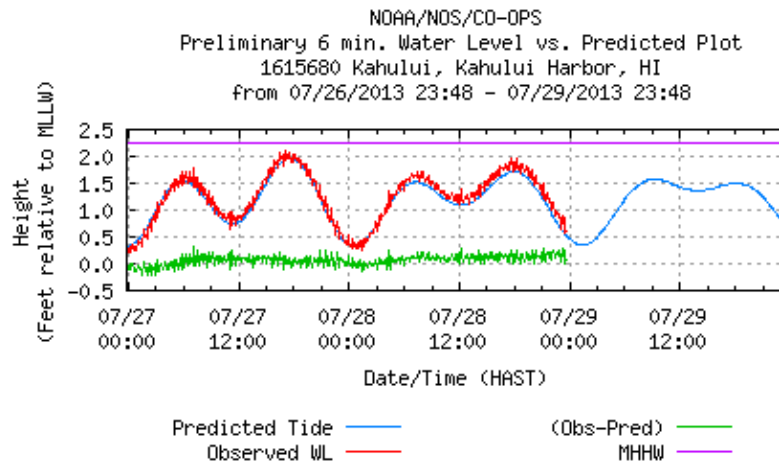
[Kawaihae, HI - Return to List](#)



Last Observed Sample: 07/28/2013 23:42 (HAST)

Water Temperature: 84.6° F Air Temperature: 80.1° F

Kahului, Kahului Harbor, HI - Return to List

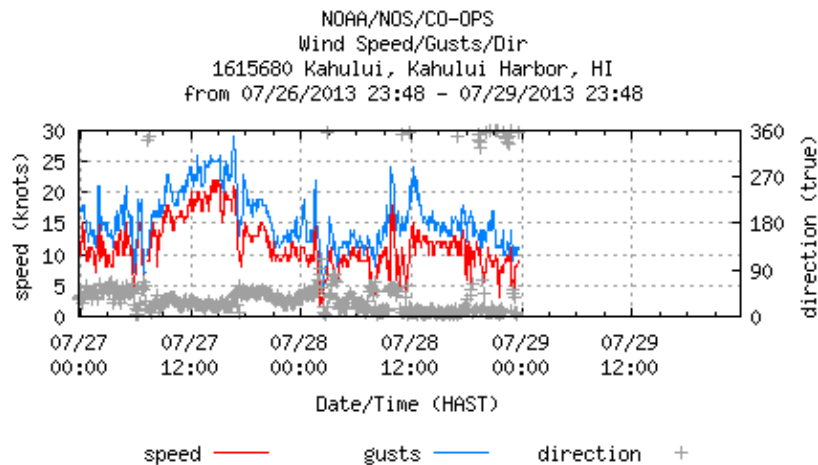


Last Observed Sample: 07/28/2013 23:42 (HAST)

Relative to MLLW: **Observed: 0.70 ft.** **Predicted: 0.51 ft.** **Residual: 0.19 ft.**

Historical Maximum Water Level: Dec 20 1968, 3.48 ft. above MLLW

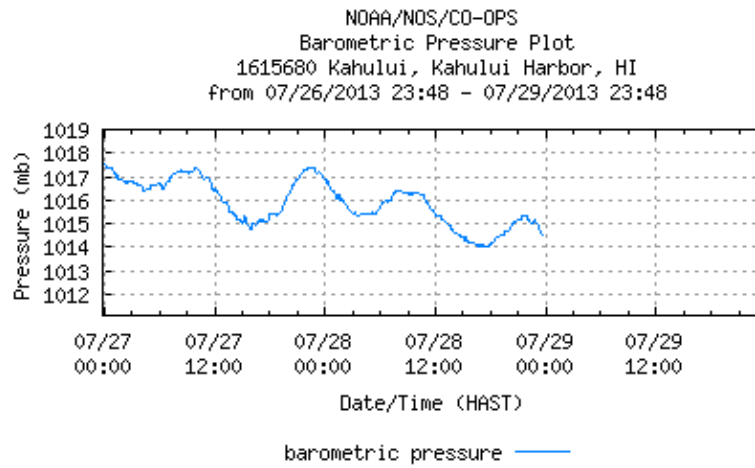
Kahului, Kahului Harbor, HI - Return to List



Last Observed Sample: 07/28/2013 23:42 (HAST)

Wind Speed: 6 knots **Gusts: 11 knots** **Direction: 351° T**

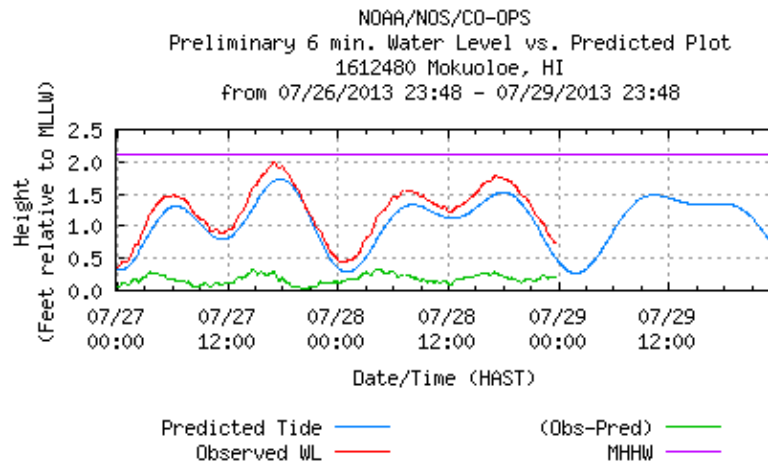
Kahului, Kahului Harbor, HI - Return to List



Last Observed Sample: 07/28/2013 23:42 (HAST)

Barometric Pressure: 1014.5 mb

Mokuoloe, HI - Return to List

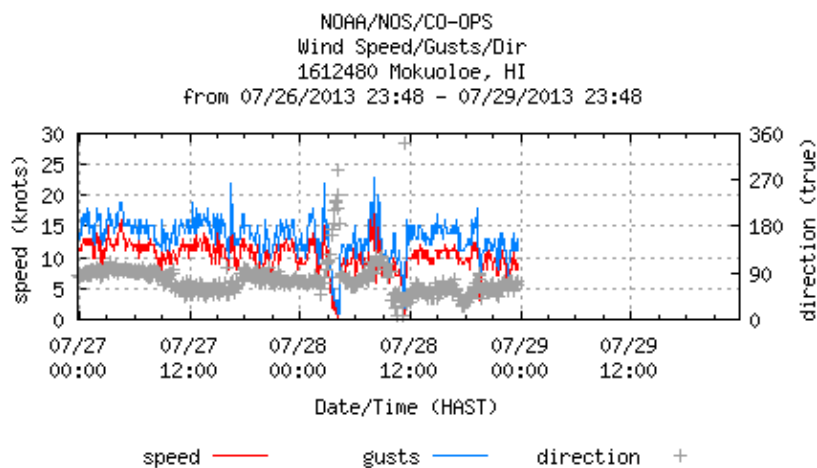


Last Observed Sample: 07/28/2013 23:48 (HAST)

Relative to MLLW: Observed: 0.70 ft. Predicted: 0.50 ft. Residual: 0.20 ft.

Historical Maximum Water Level: Jan 8 1974, 3.58 ft. above MLLW

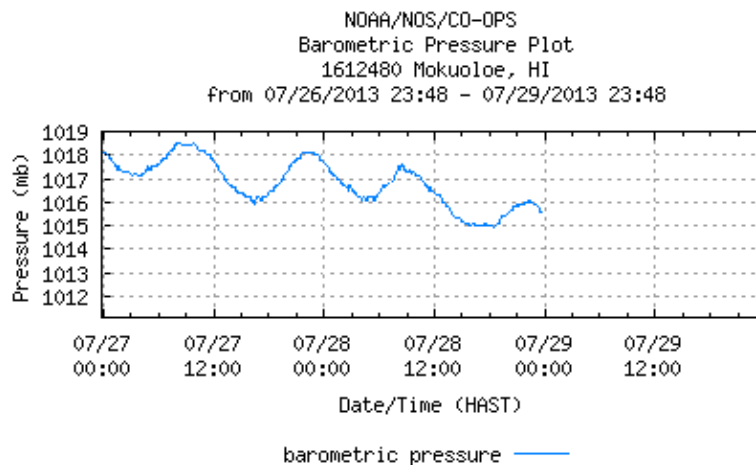
Mokuoloe, HI - Return to List



Last Observed Sample: 07/28/2013 23:48 (HAST)

Wind Speed: 6 knots Gusts: 9 knots Direction: 61° T

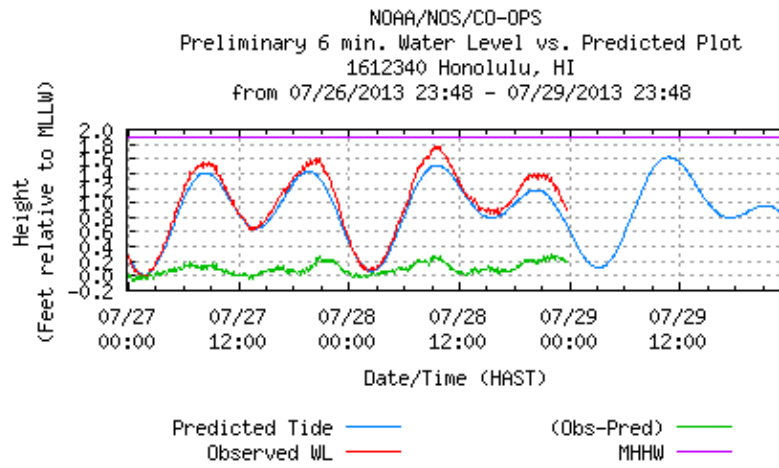
Mokuoloe, HI - Return to List



Last Observed Sample: 07/28/2013 23:48 (HAST)

Barometric Pressure: 1015.5 mb

Honolulu, HI - Return to List

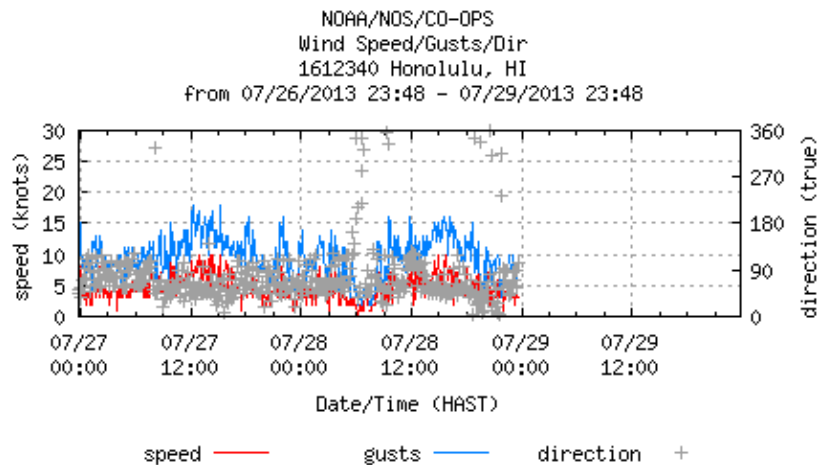


Last Observed Sample: 07/28/2013 23:42 (HAST)

Relative to MLLW: **Observed: 0.89 ft.** **Predicted: 0.68 ft.** **Residual: 0.21 ft.**

Historical Maximum Water Level: Feb 14 1967, 3.39 ft. above MLLW

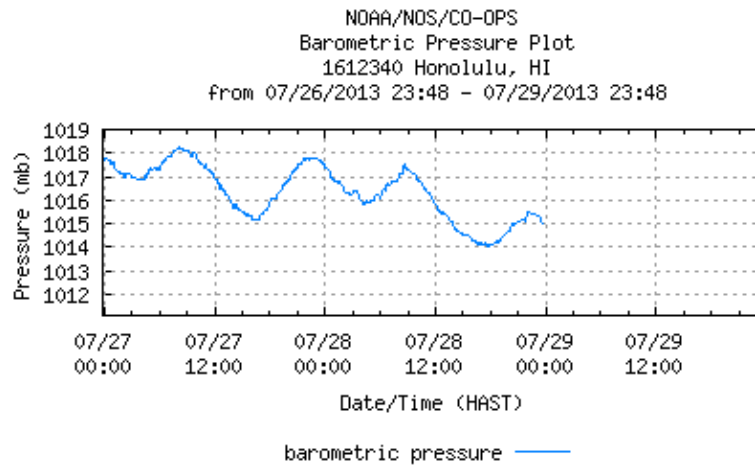
Honolulu, HI - Return to List



Last Observed Sample: 07/28/2013 23:42 (HAST)

Wind Speed: 3 knots **Gusts: 4 knots** **Direction: 121° T**

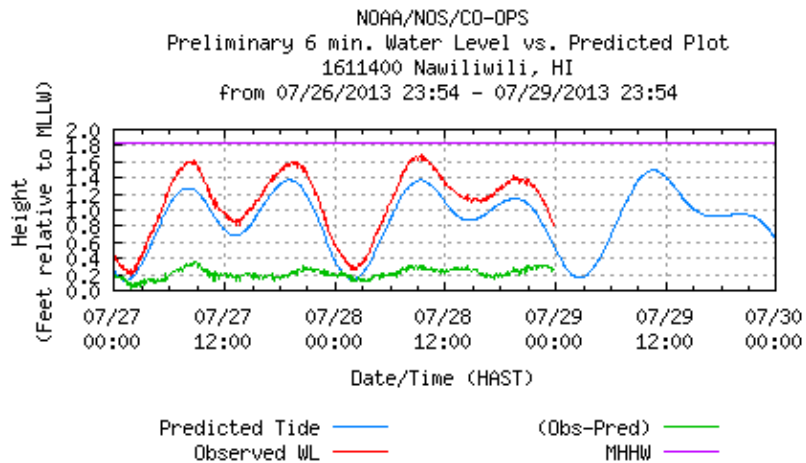
Honolulu, HI - Return to List



Last Observed Sample: 07/28/2013 23:42 (HAST)

Barometric Pressure: 1015.0 mb

Nawiliwili, HI - Return to List



Last Observed Sample: 07/28/2013 23:48 (HAST)

Relative to MLLW: Observed: 0.80 ft. Predicted: 0.55 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Sep 11 1992, 4.98 ft. above MLLW