Storm Analysis

As of 7/28/2013 12:30AM HST, water levels in the Hawaiian Islands are generally at or near predicted levels and range from 0 to 0.2 feet above predictions. Winds are between 3 to 10 knots with some higher gusts of up to 20 knots. Barometric pressure steady 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 (0.54 m) at 07/28/2013 08:08 HST and 1.8 ft (0.54 m) at 07/28/2013 19:05 HST.

Kawaihae, HI: Next predicted high tides are 1.6 ft (0.49 m) at 07/28/2013 09:13 HST and 1.3 ft (0.41 m) at 07/28/2013 20:10 HST.
Kahului, Kahului Harbor, HI: Next predicted high tides are 1.5 ft (0.46 m) at 07/28/2013 07:16 HST and 1.7 ft (0.53 m) at 07/28/2013 17:56 HST.

Mokuoloe, HI: Next predicted high tides are 1.3 ft (0.41 m) at 07/28/2013 08:06 HST and 1.5 ft (0.47 m) at 07/28/2013 17:58 HST.

Honolulu, HI: Next predicted high tides are 1.5 ft (0.46 m) at 07/28/2013 09:32 HST and 1.2 ft (0.36 m) at 07/28/2013 20:20 HST.

Nawiliwili, HI: Next predicted high tides are 1.4 ft (0.42 m) at 07/28/2013 09:17 HST and 1.1 ft (0.35 m) at 07/28/2013 19:33 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: DW

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FLOSSIE ADVISORY NUMBER 14
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI
1100 PM HST SAT JUL 27 2013

...FLOSSIE CONTINUES AS A THREAT TO THE STATE OF HAWAII...

WATCHES AND WARNINGS
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CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR HAWAII AND MAUI COUNTIES.

A TROPICAL STORM WATCH HAS BEEN ISSUED FOR OAHU.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...
*HAWAII COUNTY
*MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI AND KAOHOLawe

A TROPICAL STORM WATCH IS IN EFFECT FOR
*OAHU

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...PLEASE MONITOR PRODUCTS ISSUED BY THE HONOLULU NWS FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK
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AT 1100 PM HST...0900 UTC...THE CENTER OF TROPICAL STORM FLOSSIE WAS LOCATED NEAR LATITUDE 19.4 NORTH...LONGITUDE 145.2 WEST. FLOSSIE IS MOVING TOWARD THE WEST NEAR 20 MPH...AND THIS MOTION IS EXPECTED TO CONTINUE THROUGH 48 HOURS...WITH A SLIGHT SLOWING IN FORWARD SPEED. ON THE FORECAST TRACK...THE CENTER OF FLOSSIE WILL PASS NEAR OR CLOSE TO THE BIG ISLAND AND MAUI ON MONDAY...AND SOUTH OF OAHU MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH...95 KM/H...WITH HIGHER GUSTS. GRADUAL WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 29.47 INCHES.

HAZARDS AFFECTING LAND
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WIND...TROPICAL STORM FORCE WINDS ARE EXPECTED MONDAY MORNING IN HAWAII AND MAUI COUNTIES...AND ARE POSSIBLE ON OAHU MONDAY NIGHT.

RAINFALL...HEAVY RAINFALL MAY BEGIN AS EARLY AS MONDAY MORNING OVER HAWAII COUNTY AND MONDAY AFTERNOON OVER MAUI COUNTY. THIS RAINFALL COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

SURF...DANGEROUSLY LARGE SURF WILL BEGIN TO IMPACT EAST FACING SHORES AS EARLY AS SUNDAY AFTERNOON WITH THE LARGEST SURF EXPECTED ON MONDAY AND TUESDAY. PLEASE CONSULT THE LATEST HURRICANE LOCAL STATEMENT FOR MORE INFORMATION.

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.

Mokuoloe - Winds, Mokuoloe - Barometric, Honolulu - Water Level, Honolulu - Winds, Honolulu - Barometric, Nawiliwili - Water Level
Tropical Storm FLOSSIE QuickLook, POSTED 00:30 HST 07/28/2013

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

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
1617760 Hilo, Hilo Bay, Kuhio Bay, HI
from 07/26/2013 00:42 - 07/29/2013 00:42

Last Observed Sample: 07/28/2013 00:36 (HAST)
Relative to MLLW: Observed: 0.30 ft. Predicted: 0.23 ft. Residual: 0.07 ft.
Historical Maximum Water Level: Jan 20 1981, 3.77 ft. above MLLW

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

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
1617760 Hilo, Hilo Bay, Kuhio Bay, HI
from 07/26/2013 00:46 - 07/29/2013 00:46

Last Observed Sample: 07/28/2013 00:36 (HAST)
Wind Speed: 4 knots Gusts: 5 knots Direction: 16° T
Tropical Storm FLOSSIE QuickLook, POSTED 00:30 HST 07/28/2013

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

Last Observed Sample: 07/28/2013 00:36 (HAST)
Barometric Pressure: 1016.8 mb

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

Last Observed Sample: 07/28/2013 00:36 (HAST)
Water Temperature: 77.9° F Air Temperature: 72.3° F
Kawaihae, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
161/433 Kawaihae, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Relative to MLLW: Observed: 0.38 ft. Predicted: 0.25 ft. Residual: 0.13 ft.
Historical Maximum Water Level: Dec 13 2008, 3.38 ft. above MLLW

Kawaihae, HI - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
161/433 Kawaihae, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Wind Speed: 3 knots Gusts: 7 knots Direction: 81° T

Tropical Storm FLOSSIE QuickLook, POSTED 00:30 HST 07/28/2013
Kawaihae, HI - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
161/433 Kawaihae, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Barometric Pressure: 1015.2 mb

Kawaihae, HI - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
161/433 Kawaihae, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Water Temperature: 83.8° F Air Temperature: 79.3° F
Kahului, Kahului Harbor, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
1615680 Kahului, Kahului Harbor, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Relative to MLLW: Observed: 0.31 ft. Predicted: 0.34 ft. Residual: -0.03 ft.
Historical Maximum Water Level: Dec 20 1968, 3.48 ft. above MLLW

Kahului, Kahului Harbor, HI - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
1615680 Kahului, Kahului Harbor, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Wind Speed: 10 knots Gusts: 12 knots Direction: 39° T
Kahului, Kahului Harbor, HI - Return to List

Last Observed Sample: 07/28/2013 00:36 (HAST)
Barometric Pressure: 1016.5 mb

Mokuoloe, HI - Return to List

Last Observed Sample: 07/28/2013 00:36 (HAST)
Relative to MLLW: Observed: 0.44 ft, Predicted: 0.30 ft, Residual: 0.14 ft.
Historical Maximum Water Level: Jan 8 1974, 3.58 ft. above MLLW
Last Observed Sample: 07/28/2013 00:36 (HAST)

Wind Speed: 9 knots  Gusts: 10 knots  Direction: 71° T

Last Observed Sample: 07/28/2013 00:36 (HAST)

Barometric Pressure: 1017.3 mb
Tropical Storm FLOSSIE QuickLook, POSTED 00:30 HST 07/28/2013

Honolulu, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
1612340 Honolulu, HI
FROM 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Relative to MLLW: Observed: 0.29 ft. Predicted: 0.30 ft. Residual: -0.01 ft.
Historical Maximum Water Level: Feb 14 1967, 3.39 ft. above MLLW

Honolulu, HI - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
1612340 Honolulu, HI
FROM 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Wind Speed: 3 knots Gusts: 5 knots Direction: 54° T
Honolulu, HI - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
1612340 Honolulu, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:36 (HAST)
Barometric Pressure: 1017.0 mb

Nawiliwili, HI - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
1611400 Nawiliwili, HI
from 07/26/2013 00:48 - 07/29/2013 00:48

Last Observed Sample: 07/28/2013 00:42 (HAST)
Relative to MLLW: Observed: 0.46 ft. Predicted: 0.23 ft. Residual: 0.23 ft.
Historical Maximum Water Level: Sep 11 1992, 4.98 ft. above MLLW