Tropical Depression FLOSSIE QuickLook, POSTED 18:00 HST 07/29/2013

NOAA and NOAA Partnership Stations Relative to the Storm

Storm Analysis
No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the Central Pacific Hurricane Center (CPHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 7/29/2013 18:00 HST, water levels in the Hawaiian Islands are at or slightly above predicted tide levels with observations between 0 above 0.35ft above predictions. Winds are generally between 5 and 20 knots with higher gusts at Hilo. Barometric pressure is falling 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 1.5 ft (0.46 m) at 07/29/2013 19:46 HST and 2.0 ft (0.60 m) at 07/30/2013 11:01 HST.

Kawaihae, HI: Next predicted high tides are 1.1 ft (0.33 m) at 07/29/2013 21:00 HST and 1.8 ft (0.56 m) at 07/30/2013 11:31 HST.

Kahului, Kahului Harbor, HI: Next predicted high tides are 1.5 ft (0.46 m) at 07/29/2013 18:06 HST and 1.8 ft (0.54 m) at 07/30/2013 11:06 HST.

Mokuoloe, HI: Next predicted high tides are 1.7 ft (0.52 m) at 07/30/2013 11:45 HST and 1.9 ft (0.58 m) at 07/31/2013 12:28 HST.

Honolulu, HI: Next predicted high tides are 1.0 ft (0.29 m) at 07/29/2013 21:18 HST and 1.8 ft (0.54 m) at 07/30/2013 11:48 HST.

Nawiliwili, HI: Next predicted high tides are 1.0 ft (0.29 m) at 07/29/2013 20:07 HST and 1.6 ft (0.50 m) at 07/30/2013 11:43 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: TKM

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN
TROPICAL DEPRESSION FLOSSIE ADVISORY NUMBER 21
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI EP062013
500 PM HST MON JUL 29 2013

...FLOSSIE WEAKENS TO A TROPICAL DEPRESSION JUST NORTH OF MAUI...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

ALL TROPICAL STORM WARNINGS HAVE BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

THERE ARE NO WATCHES OR WARNINGS IN EFFECT.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY THE NATIONAL WEATHER SERVICE FORECAST OFFICE IN HONOLULU.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM HST...0300 UTC...THE CENTER OF TROPICAL DEPRESSION FLOSSIE WAS LOCATED NEAR LATITUDE 21.3 NORTH...LONGITUDE 156.5 WEST. THE
DEPRESSION IS MOVING TOWARD THE WEST-NORTHWEST NEAR 18 MPH...30 KM/H.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH...55 KM/H...WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1002 MB...29.59 INCHES.

HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM FORCE WIND GUSTS ARE POSSIBLE THIS EVENING AND OVERNIGHT. LOCALLY GUSTY WINDS WILL LIKELY CONTINUE ON TUESDAY OVER THE CENTRAL AND WESTERN ISLANDS.

RAINFALL...LOCALLY HEAVY RAINFALL IS PRESENTLY OCCURRING OVER PORTIONS OF THE BIG ISLAND. LOCALLY HEAVY RAINFALL IS EXPECTED THIS EVENING AND OVERNIGHT OVER MAUI COUNTY...SPREADING TO OAHU AND KAUAI LATER TONIGHT. FLOSSIE IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 2 TO 4 INCHES OVER THE BIG ISLAND WITH ISOLATED AMOUNTS UP TO 6 INCHES. OVER THE REST OF THE STATE TOTAL RAINFALL AMOUNTS WILL BE 1 TO 2 INCHES WITH ISOLATED AMOUNTS UP TO 6 INCHES. THIS RAINFALL COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES...ESPECIALLY IN THE MOUNTAINS.

SURF...DANGEROUS HIGH SURF WILL CONTINUE TO AFFECT EAST FACING SHORES. THE SURF WILL BEGIN TO SUBSIDE TONIGHT ALONG EAST FACING SHORES OF THE BIG ISLAND. LARGE SURF WILL CONTINUE ON TUESDAY FOR THE REST OF THE STATE BEFORE SUBSIDING TUESDAY NIGHT. THE LARGE SURF MAY CAUSE COASTAL ROAD CLOSURES.

FORECASTER BURKE

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.
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 07/27/2013 17:49 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Relative to MLLW: Observed: 1.52 ft. Predicted: 1.38 ft. Residual: 0.14 ft.
Historical Maximum Water Level: Jan 20 1981, 3.77 ft. above MLLW

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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 07/27/2013 17:49 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Wind Speed: 16 knots Gusts: 23 knots Direction: 166° T
Hilo, Hilo Bay, Kuhio Bay, HI - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
1617760 Hilo, Hilo Bay, Kuhio Bay, HI
from 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Barometric Pressure: 1011.7 mb

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

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
1617760 Hilo, Hilo Bay, Kuhio Bay, HI
from 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Water Temperature: 79.3° F Air Temperature: 81.7° F
Kawaihae, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
161/433 Kawaihae, HI
from 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Relative to MLLW: Observed: 1.00 ft. Predicted: 0.86 ft. Residual: 0.14 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 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Wind Speed: 6 knots Gusts: 11 knots Direction: 343° T
Barometric Pressure Plot
161/433 Kawaihe, HI
from 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Barometric Pressure: 1010.8 mb

Air/Water Temperature Plot
161/433 Kawaihe, HI
from 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Water Temperature: 83.5° F Air Temperature: 77.2° 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 07/27/2013 17:48 - 07/30/2013 17:48

Last Observed Sample: 07/29/2013 17:42 (HAST)
Relative to MLLW: Observed: 1.73 ft. Predicted: 1.50 ft. Residual: 0.23 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 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:42 (HAST)
Wind Speed: 22 knots Gusts: 34 knots Direction: 176° T
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Kahului, Kahului Harbor, HI - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
1615680 Kahului, Kahului Harbor, HI
from 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:42 (HAST)
Barometric Pressure: 1008.0 mb

Mokuoloe, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
1612480 Mokuoloe, HI
from 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:48 (HAST)
Relative to MLLW: Observed: 1.92 ft. Predicted: 1.35 ft. Residual: 0.57 ft.
Historical Maximum Water Level: Jan 8 1974, 3.58 ft. above MLLW
Mokuoloe, HI - Return to List

NOAA/MDS/C0-CPS
Wind Speed/Gusts/Dir
1612480 Mokuoloe, HI
from 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:48 (HAST)
Wind Speed: 12 knots Gusts: 15 knots Direction: 33° T

Mokuoloe, HI - Return to List

NOAA/MDS/C0-CPS
Barometric Pressure Plot
1612480 Mokuoloe, HI
from 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:48 (HAST)
Barometric Pressure: 1010.5 mb
Honolulu, HI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
1612340 Honolulu, HI
FROM 07/27/2013 17:54 - 07/30/2013 17:54

Last Observed Sample: 07/29/2013 17:42 (HAST)
Relative to MLLW: Observed: 1.05 ft. Predicted: 0.79 ft. Residual: 0.26 ft.
Historical Maximum Water Level: Feb 14 1967, 3.39 ft. above MLLW

Honolulu, HI - Return to List

Last Observed Sample: 07/29/2013 17:42 (HAST)
Wind Speed: 2 knots Gusts: 4 knots Direction: 271° T
Honolulu, HI - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
1612340 Honolulu, HI
from 07/27/2013 17:42 - 07/30/2013 17:54

Barometric Pressure: 1010.2 mb

Last Observed Sample: 07/29/2013 17:42 (HAST)

Nawiliwili, HI - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
1611400 Nawiliwili, HI
from 07/27/2013 17:54 - 07/30/2013 17:54

Relative to MLLW: Observed: 1.15 ft. Predicted: 0.93 ft. Residual: 0.22 ft.
Historical Maximum Water Level: Sep 11 1992, 4.98 ft. above MLLW

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