

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Hone
NWS Office	Honolulu
Begin/End Date	08/23/2024 - 08/26/2024
Fatalities	[0] - Direct [0] - Indirect
Tornadoes	[0]

Event Summary

Hurricane Hone Overview:

Hone skirted just south of the Hawaiian Islands while tracking westward from Saturday, August 24, to Monday, August 26. Hone's closest approach occurred at approximately 1200Z on August 25, when it quickly passed within 50 miles of South Point on the Big Island as a Category 1 hurricane. This was also when the hurricane reached its peak intensity. During this time, a U.S. Air Force Reserve reconnaissance aircraft measured flight level wind speeds of 86 knots, and subsequent data from the WSR-88D radar at South Point indicated estimated winds of 92 knots around 6500 feet. These flight-level and radar-estimated winds corresponded to approximately 75 knots at the surface.

Hone's impacts on the islands included a range of challenges, such as heavy rainfall, damaging winds, and warning-level surf along the exposed east-facing shores of the Big Island. Fortunately, these threats were relatively short-lived, thanks to Hone's forward motion, which averaged around 12 mph.

Rainfall:

Outer rainbands from Hurricane Hone produced a prolonged period of heavy rainfall from Saturday, August 24 through most of Sunday, August 25. Several rain gages along the windward and southeast facing slopes of the Big Island reported 2-day totals greater than 20 inches. Fortunately, rain rates were mostly below an inch per hour, which mitigated more serious flooding beyond road closures in low-lying areas. The most significant road impacts included Highway 11 at Kawa Flats, and Cane Haul Road and Wood Valley Road near Pahala. North Kulani Road near Mountain View in the Puna District was also closed.

Winds:

Strong winds developed in advance of Hone during the day on Saturday, then continued into Sunday as Hone passed within 50 miles south of the Big Island. There were several reports of damage from trees and utility poles blown down on the Big Island, with additional reports of damage on Maui and Oahu. At one point, over 20,000 people were without power across the state, with most of the outages occurring on the Big Island.

Surf:

Surf along east facing shores quickly climbed through the overnight hours Saturday night, with a peak occurring through the evening hours. The PacIOOS nearshore waverider buoy at Hilo measured peak total significant wave heights near 15 feet with peak wave periods ranging from 10-12 seconds. A High Surf Warning was issued for east facing shores with peak surf heights up to 15 feet.

The following are peak wind gust reports for the 48-hour period ending at 10 AM HST, August 26. Wind gusts are miles per hour. These totals are considered preliminary for information purposes only.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Kamuela/Waimea	HI	AWOS	44	49
Helco Kawaihae Rd	HI	HECO	39	56
Helco Hokuloa Ucc	HI	HECO	38	53
South Point	HI	HADS	37	53
Helco Waikoloa Rd 2	HI	HECO	36	51
Kohala Ranch	HI	ASOS	35	63
Puu Mali	HI	RAWS	35	51
Helco Waikoloa Rd	HI	HECO	31	50
Waikoloa	HI	RAWS	31	50
Bradshaw Army Air Field	HI	ASOS	30	44

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Buoy 3/Western Hawaii	NDBC	39	54
Buoy 4/Southeast Hawaii	NDBC	31	39

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Hakalau	HI	RAWS	28.82
Saddle Quarry	HI	USGS	25.03
Kulani NWR	HI	NWS	24.46
Mountain View	HI	NWS	21.30
Waiakea Uka	HI	NWS	21.04
Honolii Stream	HI	USGS	19.63
Kawainui Stream	HI	USGS	18.16
Nene Cabin	HI	RAWS	18.08
Papaikou Well	HI	NWS	15.07
West Wailuaiki	HI	USGS	12.70

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Hilo, Hilo Bay, Kuhio Bay	HI	MHHW	0.73

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Buoy 3/Western Hawaii	HI	NDBC	998.6
Keahole Airport Kona	HI	ASOS	1006.0
Puho	HI	RAWS	1006.0
Hilo International Airport	HI	ASOS	1012.0

Report Last Updated on 08/28/2024:

The following files have been updated: Wind and Pressure, Rainfall, Water Levels, and Impact Narratives.