



# National Oceanic and Atmospheric Administration

U.S. Department of Commerce

## 2024 Hurricane Season Summary for the Central Pacific Basin

The 2024 hurricane season featured two tropical cyclones in the Central Pacific Hurricane Center (CPHC) area of responsibility. Four to five tropical cyclones occur during an average year. Hurricane season runs from June 1 to November 30. The central Pacific basin extends from 140°W to the International Date Line.

Hurricane Hone was the first tropical cyclone of the season in the central Pacific, developing about 1,000 miles east-southeast of the Big Island on August 22. This was the first tropical cyclone to form in the central Pacific since Tropical Storm Ema in October 2019. Hone continued to strengthen as it approached the state, eventually becoming a hurricane late on August 24 just over 50 miles south-southeast of Ka Lae, the southern tip of the Big Island.

Hone weakened to a Tropical Depression on August 29, then strengthened to a Tropical Storm again from August 30-September 1. During this time a Tropical Storm Watch was issued for Kure and Midway Atolls and portions of the Papahānaumokuākea Marine National Monument from Lisianski Island to Pearl and Hermes Atoll. Hone became extratropical just after crossing the International Date Line on September 1.

Hurricane Gilma moved into the basin from the east on August 27 and rapidly weakened before dissipating east of Hawai'i.

Note: these are preliminary values and the dates provided are Universal Coordinated Time (UTC), which is 10 hours ahead of Hawai'i Standard Time.

**Impacts to the State of Hawai'i:** Heavy rain from Hurricane Hone caused flash flooding that damaged homes and closed several roads across Hawaii County on August 25, leading to several million dollars in damage. Tropical storm force winds brought down trees and utility poles on the Big Island, with reports of damage on Maui and Oahu as well. Additional details, including wind and rainfall observations, are included in the preliminary [Post Tropical Cyclone Report](#) for Hurricane Hone.

**Hurricane Season Outlook:** NOAA's [2024 central Pacific hurricane season outlook](#), issued on May 21, 2024, called for one to four tropical cyclones in the central Pacific basin, with a 50% chance of a below normal season, a 30% chance of a near-normal season, and a 20% chance of an above normal season. At the start of the 2024 season, El Niño conditions in the equatorial Pacific quickly transitioned to the cold phase of La Niña, which were then expected to continue through the summer.

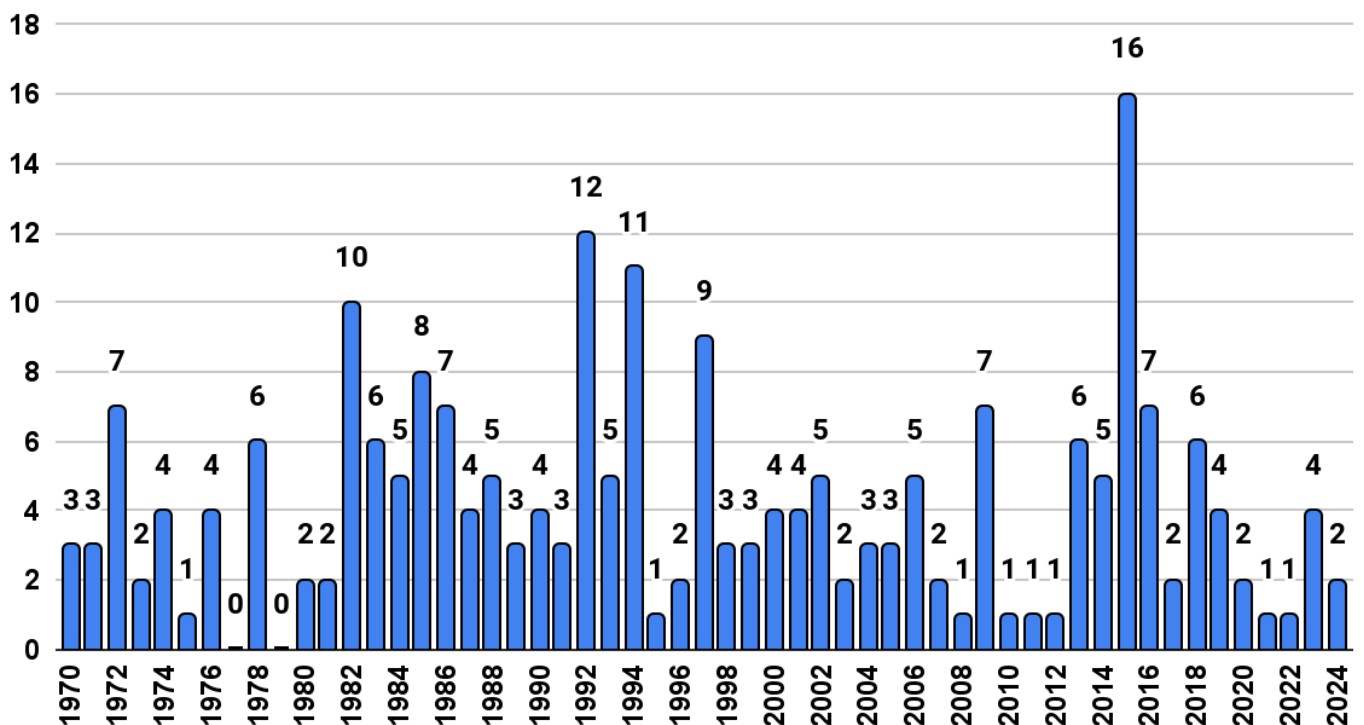
The following table outlines tropical cyclone names and highest classification, life cycle dates, and maximum sustained wind speeds while in the central Pacific basin. *Please note that these are preliminary values and may change following the post-season review for the official Tropical Cyclone Reports.*

<b>Name</b>	<b>Dates (UTC)</b>	<b>Max Wind (mph)</b>
Hurricane Hone	August 22-September 1	85
Hurricane Gilma	August 27-29	85

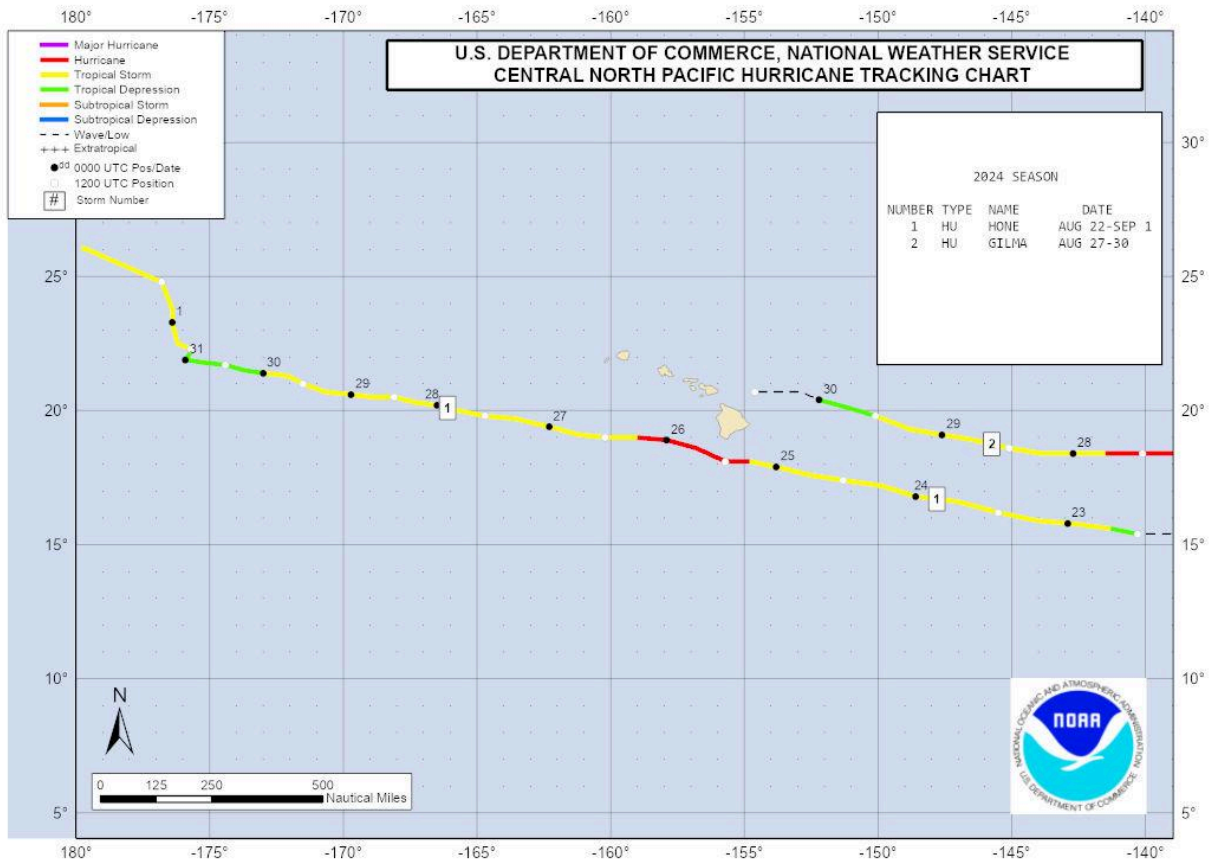
**Hurricane Hunter missions:** The United States Air Force Reserve 53rd Weather Reconnaissance Squadron and NOAA Aircraft Operations Center Hurricane Hunters flew a total of eight missions in the central Pacific in 2024 in support of forecasting operations for Hurricane Hone. Air Force C-130 aircraft conducted five missions through Hone and the NOAA Gulfstream conducted three high-level weather surveillance missions, gathering extremely valuable weather data used by the Central Pacific Hurricane Center to improve the accuracy of forecasts for the State of Hawai'i.

**Annual Comparisons (including out of season tropical cyclones):**

## Central Pacific Tropical Cyclones By Year (1970 - 2024)



## 2024 Hurricane Season Tropical Cyclone Track Map (Preliminary):



### Additional graphics from social media:

NWS Honolulu Facebook - <https://www.facebook.com/NWSHonolulu>  
NWS Honolulu Instagram - <https://www.instagram.com/NWSHonolulu>  
NWS Honolulu Twitter - <https://www.twitter.com/NWSHonolulu>  
NWS Honolulu YouTube - <https://www.youtube.com/NWSHonolulu>

### Other useful web links:

NOAA Central Pacific Hurricane Center - <https://www.hurricanes.gov/cphc>  
NOAA National Weather Service Forecast Office Honolulu - <https://www.weather.gov/hawaii>  
NWS Multilingual Infographics - <https://www.weather.gov/translate/infographics.html>  
CPHC Tropical Cyclone Product Archive - <https://www.hurricanes.gov/archive/2024/>  
CPHC Tropical Cyclone Reports - <https://www.hurricanes.gov/data/tcr/?basin=cpac>  
NWS Local Observations and Impacts - <https://www.weather.gov/hfo/TropicalEventSummary>  
Central Pacific Hurricane Season Outlook for 2024 -  
<https://www.noaa.gov/news-release/noaa-predicts-below-normal-2024-central-pacific-hurricane-season>

NOAA Atlantic Hurricane Season Summary for 2024 -  
<https://www.noaa.gov/news-release/atlantic-hurricane-season-races-to-finish-within-range-of-predicted-number-of-named-storms>