



**NOAA** NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION  
UNITED STATES DEPARTMENT OF COMMERCE



Central Pacific Hurricane Center, Honolulu, HI  
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### Remembering Iniki 20 Years Later *Central Pacific Hurricane Center Information*

The Central Pacific Hurricane Center in Honolulu, HI is the source for tropical cyclone forecasts in the Central Pacific ocean. CPHC issues advisories on storms north of the Equator and between the dateline and 140 W longitude. Hurricane specialists at the CPHC plot the location of any active tropical cyclones and forecast the storms track and intensity.

These forecasts are displayed in a series of text and graphical products available through the internet at [www.weather.gov/cphc](http://www.weather.gov/cphc).

#### *Text Products*

**Public Advisory** – This product describes current storm position, strength, and movement while also listing any current watches or warnings. It also provides a 48 hour outlook for the storm and any hazards expected to impact land.

**Forecast Advisory** – This product describes the current storm position, strength, and movement and lists the five day forecast points for the storm.

**Tropical Cyclone Discussion** – This product is a narrative of the storm forecast along with forecaster insight and references to any forecast uncertainty. It is a good source for additional information regarding the forecast process and storm expectations.

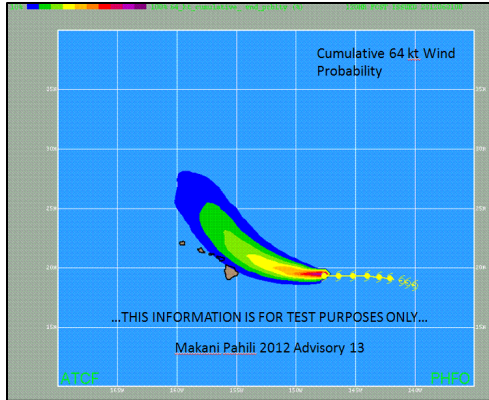
**Wind Speed Probabilities** – This product provides a table to storm intensity probability and the probability of seeing tropical cyclone impacts at various locations along/near the projected path of the storm.

#### *Graphical Products*

**Hurricane Wind Speed Probability** – This graphic displays the probability of experiencing hurricane force (>=74mph) during the next 5 days based on the current storm position and forecast.

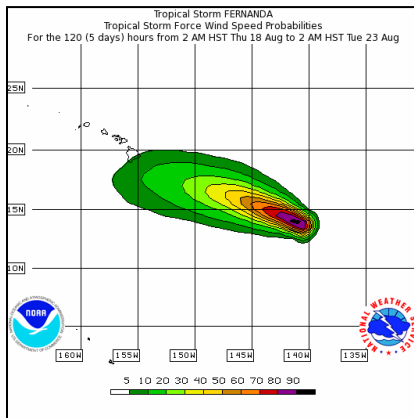


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Hurricane wind speed probabilities represent the total (or cumulative) chance of experiencing hurricane force winds over the next 5 days.

**Tropical Storm Force Wind Speed Probability** – This graphic displays the probability of seeing tropical storm force winds (39 to 73 mph) in the next 48 hours based on the current storm location and forecast.



Tropical Storm Force wind speed probabilities represent the total (or cumulative) chance of experiencing tropical storm force winds over the next 5 days.

**Maximum Wind Speed Probability** – This graphic displays a table of maximum wind speed probabilities over the 5 day forecast period.

Intensity (Maximum Wind Speed) Probability Table  
Tropical Storm Fernanda Advisory Number 12  
5:00 AM HST Aug 18 2011

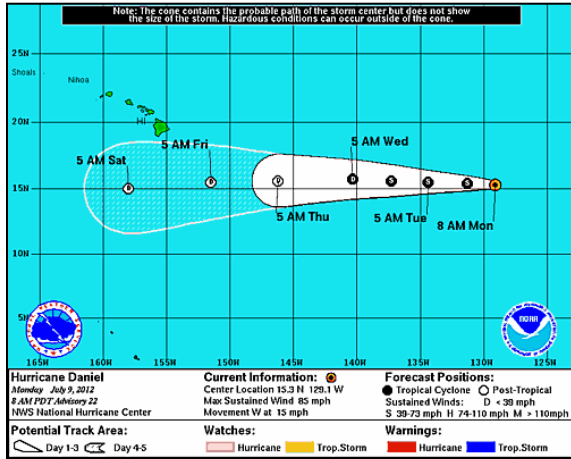
Wind Range (mph)	Forecast Time						
	12 hour for 2 PM Thu	24 hour for 2 AM Fri	36 hour for 2 PM Fri	48 hour for 2 AM Sat	72 hour for 2 AM Sun	96 hour for 2 AM Mon	120 hour for 2 AM Tue
Dissipated	<1%	<1%	3%	8%	22%	33%	NA
Tropical Depression (<39)	1%	10%	21%	30%	42%	40%	NA
Tropical Storm (39-73)	88%	78%	66%	56%	33%	26%	NA
Hurricane (all categories)	11%	11%	10%	7%	2%	1%	NA
-- Category 1 (74-95)	11%	11%	9%	6%	2%	1%	NA
-- Category 2 (96-110)	<1%	1%	1%	1%	<1%	<1%	NA
-- Category 3 (111-130)	<1%	<1%	<1%	<1%	<1%	<1%	NA
-- Category 4 (131-155)	<1%	<1%	<1%	<1%	<1%	<1%	NA
-- Category 5 (>155)	<1%	<1%	<1%	<1%	<1%	<1%	NA
Forecast Maximum Wind	65 mph	60 mph	50 mph	45 mph	35 mph	30 mph	NA

Wind probability forecasts for the next 5 days. Displaying forecast chance of seeing the storm at various strengths.



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**Three and Five Day Forecast Cone** – This graphic displays the set of five day forecast points for the storm along with a cone of uncertainty based on average forecast error. The map will also display any current watches or warnings.



Forecast points and cone of uncertainty for the next 5 days. Based on average track errors, two-thirds of the time the storm will end up somewhere in the cone during the given forecast time frame.

**It is important to focus on the cone and not the forecast points!**



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