



Central Pacific Hurricane Center, Honolulu, HI
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Hurricane Awareness Week: Forecast Process

During Hurricane Awareness Week 2012 the Central Pacific Hurricane Center will share a series of statements regarding tropical cyclones and their various threats to the State of Hawaii. Today's topic: Forecasting hurricanes.

Part of the mission of the National Weather Service Central Pacific Hurricane Center is to save lives and protect property by issuing timely watches, warnings, forecasts, and analyses of hazardous weather conditions in the tropics.

The CPHC and WFO Honolulu roles in the forecast process are closely coordinated. These are summarized below.

- **Observation**
Observations including satellites, buoys, reconnaissance aircraft, and radar are the basis for all forecast and warning products issued by the CPHC. Quality, quantity, and timeliness of remote sensing observations are critical.
- **Analysis**
Observations are checked for quality, analyzed, and put into a suite of computer models.
- **Model Guidance and Interpretation**
Computer models perform millions of calculations to generate predictions of hurricane behavior and the general conditions of the atmosphere in which the hurricane is embedded.
- **Product Generation**
Once the coordination and collaboration process reaches group consensus, the CPHC/WFO Honolulu generate forecast and warning products for release to the public.
- **Product Dissemination**
Dissemination includes [NOAA Weather Radio](#), Weather Wire, Civil Defense, email and text alerts, and the internet.
- **Coordination with Customers**
TCPHC/WFO Honolulu works with our community leaders to determine whether the forecast and warning products issued were useful and how they can provide you even better service in the future.

