

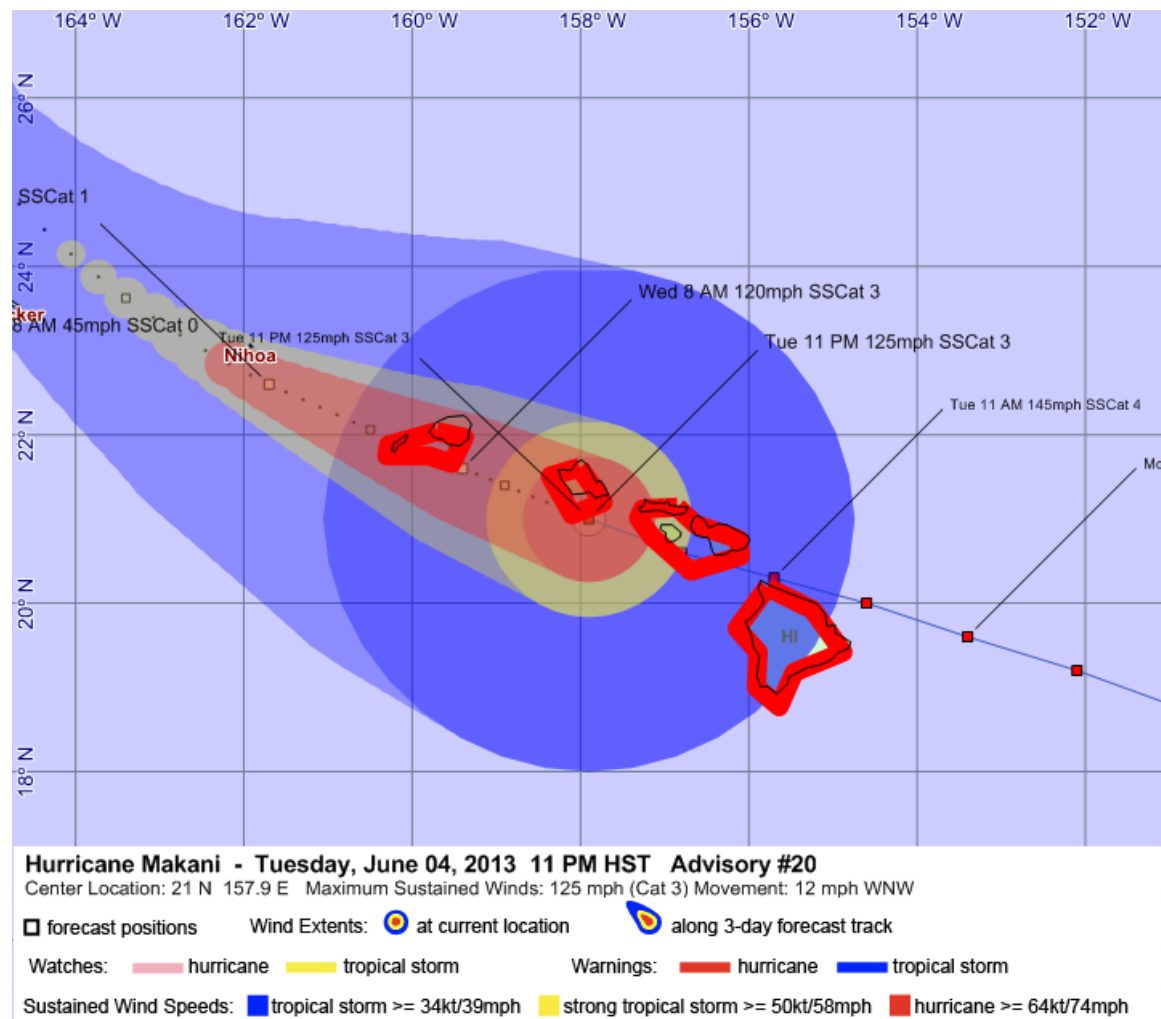
Storm Summary for Hurricane Makani

Tuesday, June 4, 2013 at 11 PM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 20)

Hurricane Makani is currently a Category 3 major hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 125 mph (110 kts), moving west-northwest at 12 mph. The estimated minimum central pressure is 955 mb. Hurricane-force winds extend outward up to 50 miles (85 km) from the storm center. Tropical storm-force winds extend outward up to 205 miles (335 km) from the storm center.

Certain coastal locations are under Hurricane Warning as illustrated in the map below. The geographic extents of these watches and warnings are detailed in the advisory text at the end of this report.



Wind Analysis for Honolulu, HI

(Based upon Hurricane Makani Advisory #20)

Wind Probabilities

HONOLULU, the closest reporting location, has within the 5-day forecast period of this advisory, a 99% chance of at hurricane-force (64kt/74mph) winds, a 99% chance of at least strong tropical storm-force (50kt/58mph) winds, and a 99% chance of at least tropical storm-force (34kt/39mph) winds.

Peak Wind*

Winds in Honolulu, HI are projected to peak at 107kt/123mph around 12:00 AM on Wednesday, June 05, 2013

Wind Arrival and Duration*

Tropical storm-force winds (34kt/39mph) are forecast to begin in Honolulu, HI on Tuesday, June 04, 2013 at 11:00 PM. Winds of this magnitude or higher are forecast to continue for 16 hours.

Strong tropical storm-force winds (50kt/58mph) are forecast to begin in Honolulu, HI on Tuesday, June 04, 2013 at 11:00 PM. Winds of this magnitude or higher are forecast to continue for 9 hours.

Hurricane-force winds (64kt/74mph) are forecast to begin in Honolulu, HI on Tuesday, June 04, 2013 at 11:00 PM. Winds of this magnitude or higher are forecast to continue for 7 hours.

* These wind estimations are limited to the first 72 hours (3 days) following advisory issuance, and are subject to considerable forecast uncertainty and generalization, especially if the storm is distant. Maximum sustained winds (the highest surface wind maintained over a 1 minute period) are reported here. Wind gusts and winds at higher elevations will be greater.

ZCZC HFOTPCP1 ALL
TTAA00 PHFO DDHHMM

BULLETIN
HURRICANE MAKANI ADVISORY NUMBER 20
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013
1100 PM HST TUE JUN 04 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...MAKANI SLOWLY TRACKING ACROSS HAWAII...

SUMMARY OF 1100 PM HST...0900 UTC...INFORMATION

LOCATION...21.0N 157.9W
ABOUT 20 MI...35 KM S OF HONOLULU HAWAII
ABOUT 120 MI...190 KM SE OF LIHUE HAWAII
MAXIMUM SUSTAINED WINDS...125 MPH...205 KM/H
PRESENT MOVEMENT...WNW OR 295 DEGREES AT 12 MPH...19 KM/H
MINIMUM CENTRAL PRESSURE...955 MB...28.20 INCHES

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

*HAWAII COUNTY
*MAUI COUNTY
*HONOLULU COUNTY
*KAUAI COUNTY

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM HST...0900 UTC...THE CENTER OF HURRICANE MAKANI WAS LOCATED NEAR LATITUDE 21.0 NORTH...LONGITUDE 157.9 WEST. MAKANI IS MOVING TOWARD THE WEST-NORTHWEST NEAR 12 MPH...19 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR AT LEAST THE NEXT 12 HOURS. MAKANI WILL TURN SHARPLY TO THE NORTHWEST AND NORTH AFTER PASSING KAUAI.

MAXIMUM SUSTAINED WINDS ARE NEAR 125 MPH...205 KM/H...WITH HIGHER GUSTS. MAKANI IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. THE STORM WILL MAINTAIN INTENSITY THROUGH THE NEXT 12 HOURS BEFORE WEAKENING.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 50 MILES...85 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES...335 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 955 MB...28.20 INCHES.

HAZARDS AFFECTING LAND

WINDS...TROPICAL STORM FORCE WINDS ARE IMPACTING ALL OF THE MAIN HAWAIIAN ISLAND WITH CONDITIONS NOT EXPECTED TO IMPROVE FOR AT LEAST 12 TO 18 HOURS. HURRICANE FORCE WINDS WILL IMPACT MAUI...HONOLULU...AND KAUAI COUNTIES FOR AT LEAST THE NEXT 6 TO 12 HOURS. EXTREME DAMAGE HAS OCCURRED AND IS EXPECTED TO CONTINUE.

SURF...LARGE BREAKING WAVES AND EXTREME CURRENTS WILL IMPACT ALL

SHORES OF ALL ISLANDS OVER THE NEXT 24 HOURS. SEVERE COASTAL EROSION AND WAVE RUN-UP IS LIKELY.

SURGE...STORM SURGE OF 2 TO 8 FEET IS LIKELY ACROSS ALL COASTAL AREAS...WITH MAXIMIZED AMOUNTS ON EAST AND SOUTH FACING SHORES. THIS SURGE WILL CAUSE SIGNIFICANT COASTAL INFRASTRUCTURE DAMAGE AND POSES A DEADLY HAZARD TO ANYONE WHO VENTURES NEAR THE WATER.

RAINFALL...RAINFALL OF 6 TO 14 INCHES IS EXPECTED WITH SIGNIFICANT FLOODING LIKELY. LOCALLY HIGHER AMOUNTS OF RAIN...UP TO 24 INCHES...IS POSSIBLE.

NEXT ADVISORY

NEXT COMPLETE ADVISORY...500 AM HST.

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FORECASTER CRAIG

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