

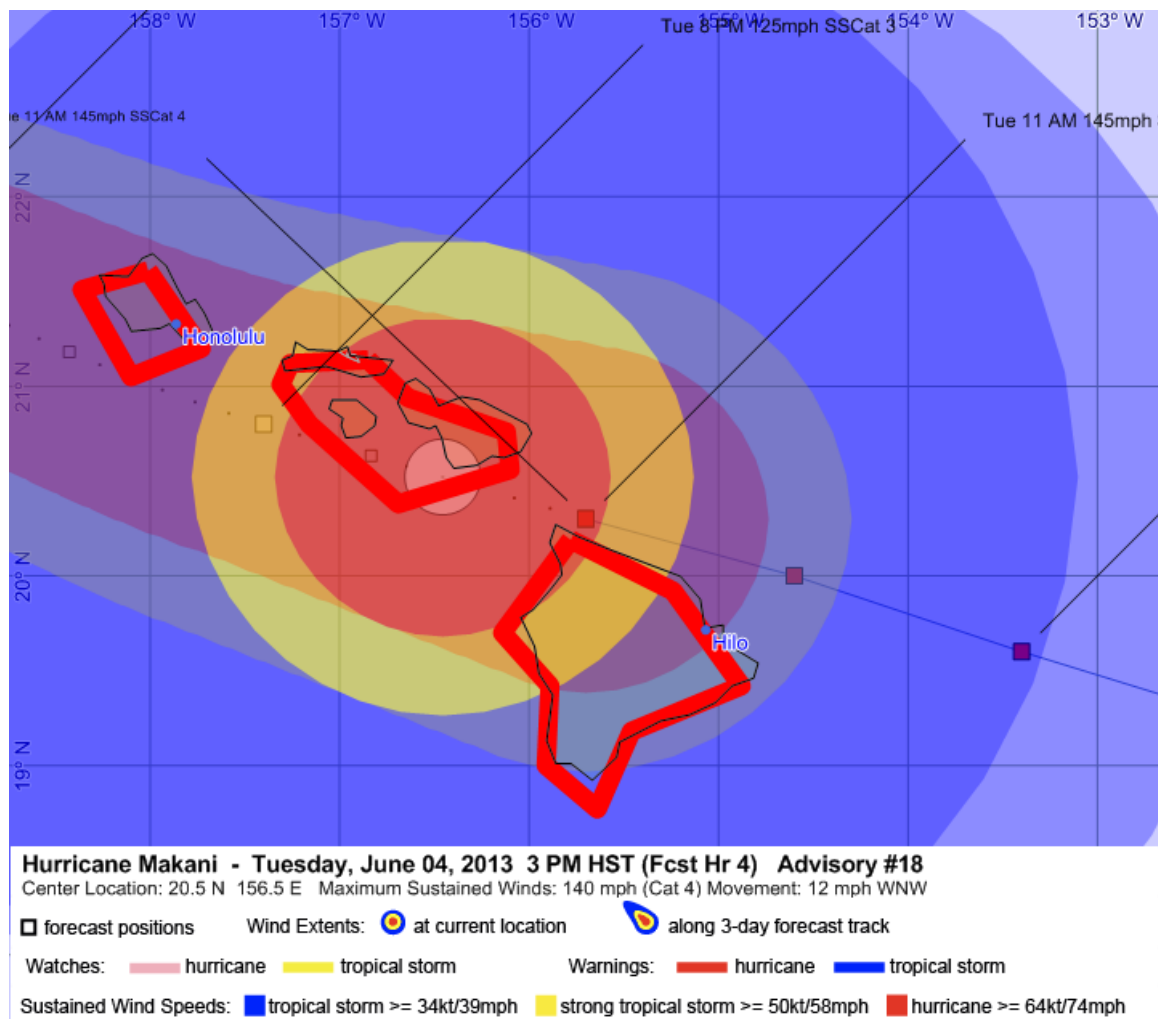
Storm Summary for Hurricane Makani

Tuesday, June 4, 2013 at 3 PM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 18)

Hurricane Makani is currently a Category 4 major hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 140 mph (120 kts), moving west-northwest at 13 mph. The estimated minimum central pressure is 940 mb. Hurricane-force winds extend outward up to 65 miles (100 km) from the storm center. Tropical storm-force winds extend outward up to 230 miles (370 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 Maui, HI

(Based upon Hurricane Makani Advisory #18)

Wind Probabilities

LANAI CITY, the closest reporting location, has within the 5-day forecast period of this advisory, a 93% chance of at hurricane-force (64kt/74mph) winds, a 98% 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*

No tropical storm winds are predicted for Maui, HI during the next 72 hours.

Wind Arrival and Duration*

No tropical storm winds are predicted for Maui, HI during the next 72 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 18
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013
1100 AM HST TUE JUN 04 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...MAKANI NEARING LANDFALL ON THE BIG ISLAND OF HAWAII...

SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

LOCATION...20.3N 155.7W
ABOUT 55 MI...90 KM NW OF HILO HAWAII
ABOUT 160 MI...255 KM ESE OF HONOLULU HAWAII
MAXIMUM SUSTAINED WINDS...145 MPH...230 KM/H
PRESENT MOVEMENT...WNW OR 295 DEGREES AT 12 MPH...19 KM/H
MINIMUM CENTRAL PRESSURE...940 MB...27.76 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

HURRICANE FORCE WINDS ARE LIKELY TO IMPACT ALL OF THE MAIN HAWAIIAN ISLANDS. TROPICAL STORM FORCE WINDS ARE ALREADY IMPACTING ALL AREAS.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM HST...2100 UTC...THE CENTER OF HURRICANE MAKANI WAS LOCATED NEAR LATITUDE 20.3 NORTH...LONGITUDE 155.7 WEST. MAKANI IS MOVING TOWARD THE WEST-NORTHWEST NEAR 12 MPH...19 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS BEFORE MAKANI TAKES A TURN TO THE NORTH.

MAXIMUM SUSTAINED WINDS ARE NEAR 145 MPH...230 KM/H...WITH HIGHER GUSTS. MAKANI IS A CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON SCALE. MAKANI IS EXPECTED TO WEAKEN SLIGHTLY OVER THE NEXT 24 HOURS BEFORE A RAPID WEAKENING OCCURS THEREAFTER.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 65 MILES...100 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 230 MILES...370 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 940 MB...27.76 INCHES.

HAZARDS AFFECTING LAND

WINDS...TROPICAL STORM FORCE WINDS ARE IMPACTING ALL THE MAIN HAWAIIAN ISLANDS WITH CONDITIONS NOT EXPECTED TO IMPROVE FOR AT LEAST 24 HOURS. HURRICANE FORCE WINDS WILL IMPACT ALL ISLANDS OVER THE NEXT 24 HOURS WITH EXTREME DAMAGE LIKELY. WINDS ARE EXPECTED TO

BE BETWEEN 120 TO 140 MPH WITH HIGHER GUSTS DURING THIS PERIOD. THE STRONGEST WINDS WILL LIKELY EXTEND MORE THAN 40 MILES AWAY FROM THE CENTER OF THE HURRICANE.

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 PM HST.

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FORECASTER CRAIG

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