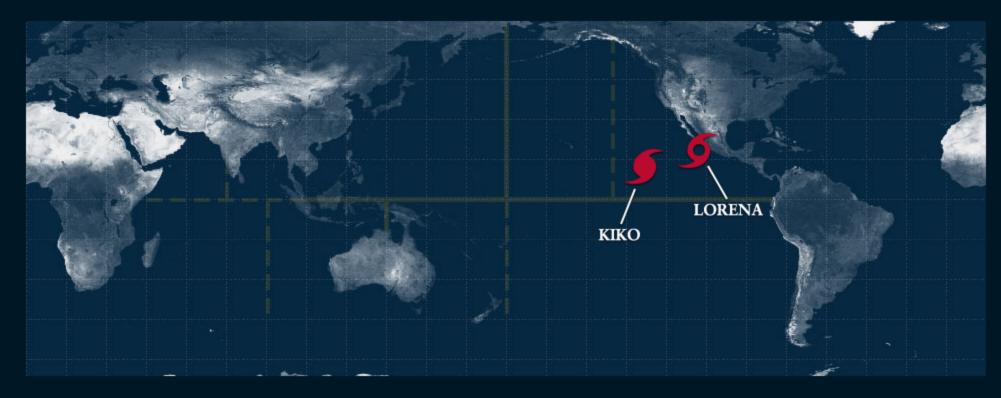
HurricaneZone

Tracking Tropical Cyclones Around the World™

Home ♥ Indian Ocean ♥ West Pacific ♥ South Pacific ♥ Central Pacific ♥ East Pacific ♥ Atlantic ♥

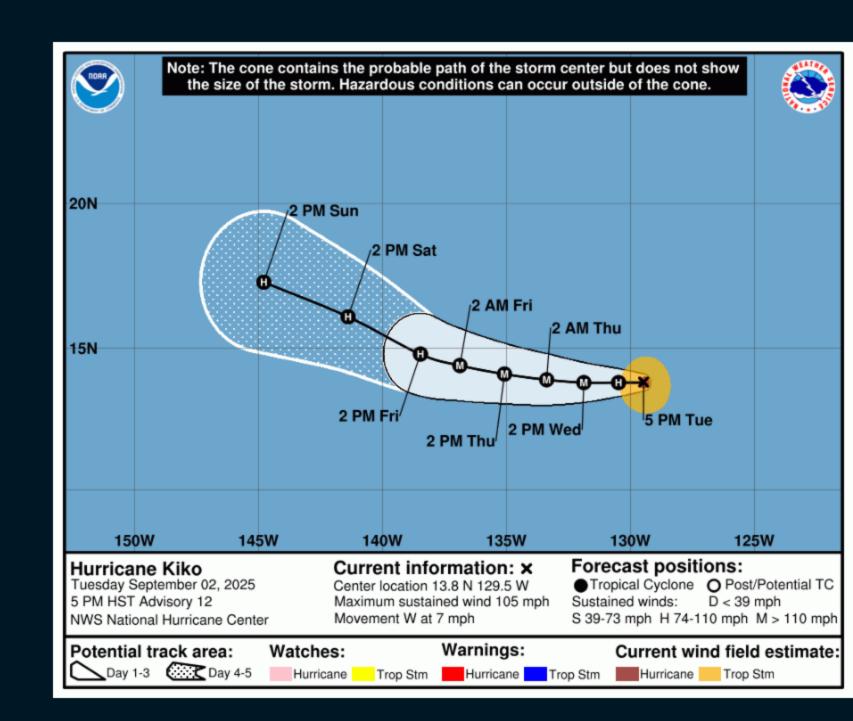


Hurricane KIKO

Hurricane Kiko Advisory Number 12 NWS National Hurricane Center Miami FL EP112025 500 PM HST Tue Sep 02 2025 ...KIKO INTENSIFIES TO CATEGORY 2 STRENGTH...

SUMMARY OF 500 PM HST...0300 UTC...INFORMATION

LOCATION...13.8N 129.5W ABOUT 1740 MI...2800 KM E OF HILO HAWAII MAXIMUM SUSTAINED WINDS...105 MPH...165 KM/H PRESENT MOVEMENT...W OR 270 DEGREES AT 7 MPH...11 KM/H MINIMUM CENTRAL PRESSURE...970 MB...28.65 INCHES



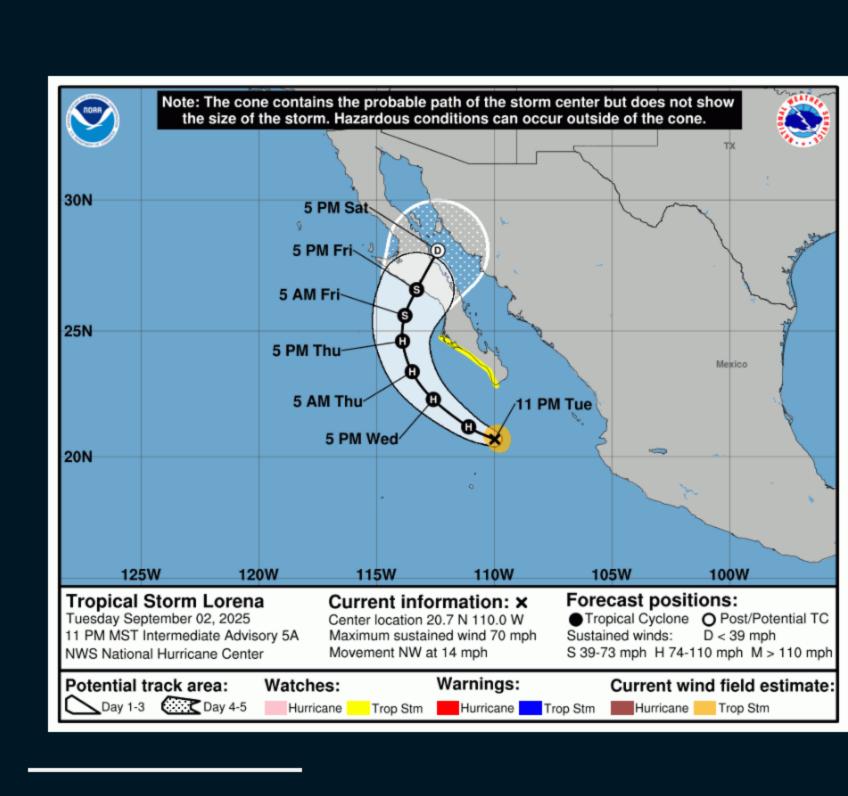
Tropical Storm LORENA

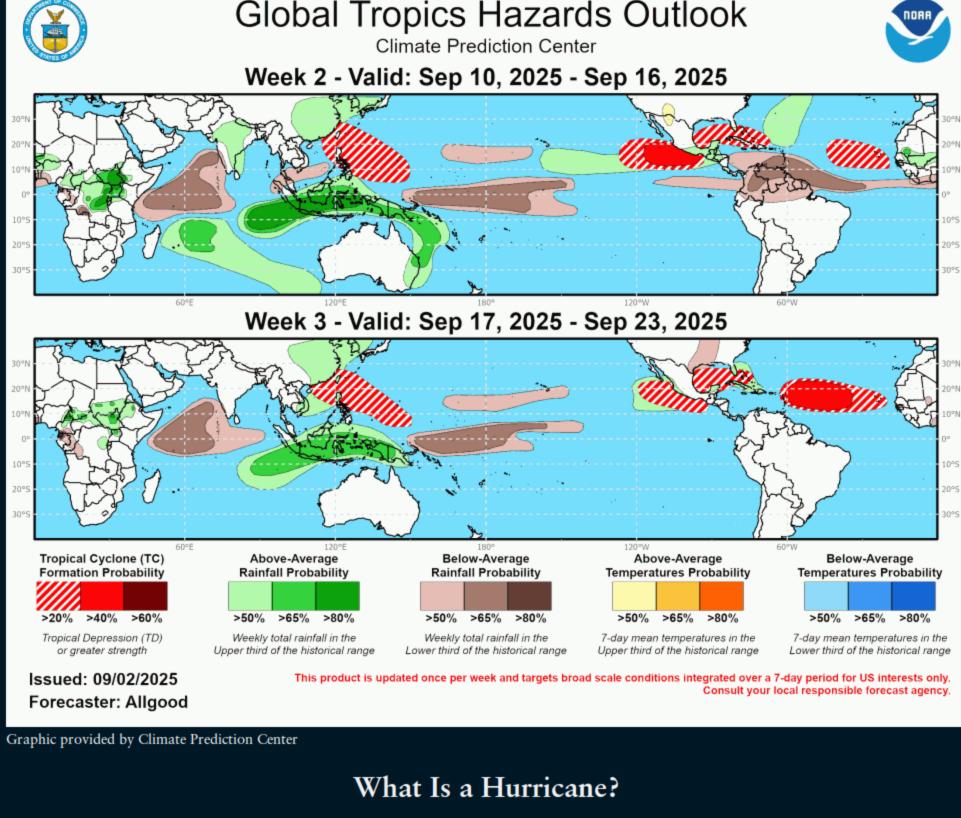
Tropical Storm Lorena Intermediate Advisory Number 5A NWS National Hurricane Center Miami FL 1100 PM MST Tue Sep 02 2025 ...LORENA STRENGTHENING AND EXPECTED TO BECOME A HURRICA

THE NEXT SEVERAL HOURS...

SUMMARY OF 1100 PM MST...0600 UTC...INFORMATION LOCATION...20.7N 110.0W ABOUT 155 MI...250 KM S OF CABO SAN LUCAS MEXICO MAXIMUM SUSTAINED WINDS...70 MPH...110 KM/H

PRESENT MOVEMENT...NW OR 315 DEGREES AT 14 MPH...22 KM/H MINIMUM CENTRAL PRESSURE...994 MB...29.36 INCHES





A hurricane (or typhoon, or severe tropical cyclone), the strongest storm on Earth, is a cyclonic (rotary) storm that derives its energy from cloud formation and rainfall, unlike frontal cyclones that derive their power from a temperature gradient.

A hurricane begins as a tropical depression with a sustained wind speed of less than 39 mph (35 knots; 63 km/hr). As the system strengthens, it becomes a tropical

storm with winds from 39 to 73 mph (35-63 knots; 63-118 km/hr). Tropical storms are named in the Atlantic, East, Central and Northwest Pacific, in the South Indian Ocean, and in the Arabian Sea. When the winds are sustained (based on a one-minute average) at 74 mph (64 knots; 119 km/hr), the storm becomes: In the Atlantic Ocean, East Pacific, Central Pacific (east of the International Dateline) and Southeast Pacific (east of 160°E) a Hurricane; in the Northwest Pacific (west of the International Dateline) a Typhoon; in the Southwest Pacific (west of 160°E) and Southeast Indian Ocean (east of 90°E) a Severe Tropical Cyclone; in the North Indian Ocean a Severe Cyclonic Storm; and in the Southwest Indian Ocean (west of 90°E) a Tropical Cyclone.

damage to buildings. The main threat to life and property may be flooding from heavy rains.

The Saffir-Simpson Hurricane Scale Category 1 – 64-82 knots (74-95 mph; 119-153 km/h). Damage is limited to foliage, signage, unanchored boats and mobile homes. There is no significant

Category 2 – 83-95 knots (96-110 mph; 154-177 km/h). Roof damage to buildings. Doors and windows damaged. Mobile homes severely damaged. Piers damaged by storm surge. Some trees blown down, more extensive limb damage.

Roof damage is common. Storm surge begins to cause significant damage in beaches and harbors, with small buildings destroyed. Category 4 – 113-136 knots (130-156 mph; 209-251 km/h). Structural failure of some buildings. Complete roof failures on many buildings. Extreme storm surge

Category 3 – 96-112 knots (111-129 mph; 178-208 km/h). Major Hurricane. Structural damage to some buildings. Mobile homes are completely destroyed.

damage and flooding. Severe coastal erosion, with permanent changes to the coastal landscape not unheard of. Hurricane force winds extend well inland. Category 5 – 137+ knots (157+ mph; 252+ km/h). Complete roof failure on most buildings. Many buildings destroyed, or structurally damaged beyond repair.

SAFFIR-SIMPSON SCALE Knots KM/H Category **MPH** Damage 64-82 74-95 119-153 Minimal 2 83-95 96-110 154-177 Moderate

178-208

209-251

241+

252 +

Extensive

Extreme

Catastrophic

Catastrophic

111-129

130-156

150 +

137 +157 +

96-112

113-136

130 +

3

4

5

Super Typhoon

Catastrophic storm surge damage. In the Northwest Pacific, a typhoon that reaches 150 mph (241 km/hr) is called a Super Typhoon.

Storm Surge Historically, storm surge is the primary killer in hurricanes. The exact storm surge in any given area will be determined by how quickly the water depth increases offshore. In deep-water environments, such as the Hawaiian islands, storm surge will be enhanced by the rapidly decreasing ocean depth as the wind-driven surge

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approaches the coast. The peak storm surge is on the right-front quadrant (left-front in the Southern Hemisphere) of the eyewall at landfall, where on-shore winds are the strongest, and at the leading edge of the eyewall. Contrary to a popular myth, the storm surge is entirely wind-driven water—it is not caused by the low