HurricaneZone

Tracking Tropical Cyclones Around the World™

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

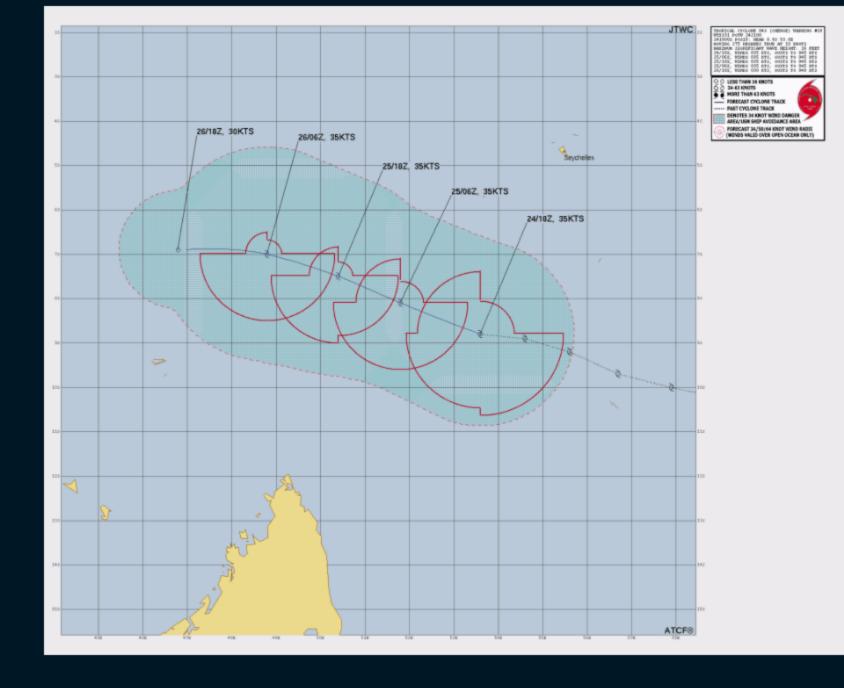


Tropical Cyclone CHENGE

 TROPICAL CYCLONE 04S (CHENGE) WARNING NR 018 01 ACTIVE TROPICAL CYCLONE IN SOUTHIO MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE WIND RADII VALID OVER OPEN WATER ONLY

WARNING POSITION: 241800Z --- NEAR 8.8S 53.6E MOVEMENT PAST SIX HOURS - 275 DEGREES AT 10 KTS POSITION ACCURATE TO WITHIN 030 NM POSITION BASED ON CENTER LOCATED BY SATELLITE PRESENT WIND DISTRIBUTION: MAX SUSTAINED WINDS - 035 KT, GUSTS 045 KT WIND RADII VALID OVER OPEN WATER ONLY RADIUS OF 034 KT WINDS - 045 NM NORTHEAST QUADRANT

110 NM SOUTHEAST QUADRANT 100 NM SOUTHWEST QUADRANT 085 NM NORTHWEST QUADRANT REPEAT POSIT: 8.8S 53.6E



Tropical Storm MELISSA

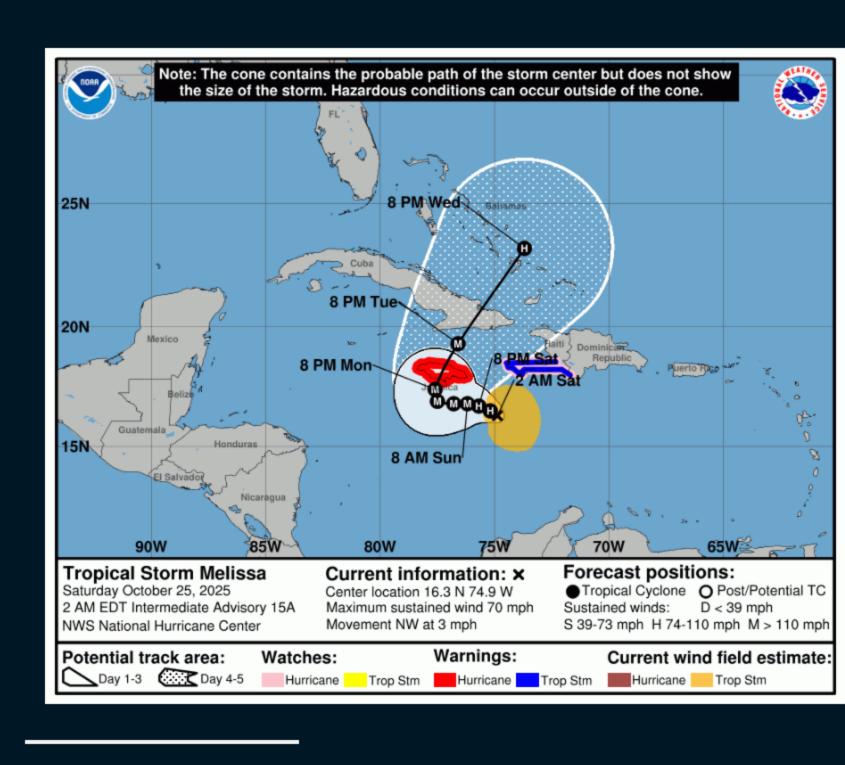
NWS National Hurricane Center Miami FL

200 AM EDT Sat Oct 25 2025 ...AIR FORCE HURRICANE HUNTER DATA SUGGEST MELISSA IS AL HURRICANE... ...LIFE-THREATENING AND CATASTROPHIC FLASH FLOODING AND EXPECTED IN PORTIONS OF SOUTHERN HISPANIOLA AND JAMAICA WEEKEND...

Tropical Storm Melissa Intermediate Advisory Number 15A

LOCATION...16.3N 74.9W ABOUT 170 MI...275 KM SE OF KINGSTON JAMAICA ABOUT 235 MI...375 KM SW OF PORT AU PRINCE HAITI MAXIMUM SUSTAINED WINDS...70 MPH...110 KM/H PRESENT MOVEMENT...NW OR 315 DEGREES AT 3 MPH...6 KM/H MINIMUM CENTRAL PRESSURE...986 MB...29.12 INCHES

SUMMARY OF 200 AM EDT...0600 UTC...INFORMATION



Tropical Depression Eighteen-E Advisory Number

NWS National Hurricane Center Miami FL

LOCATION...13.2N 116.6W

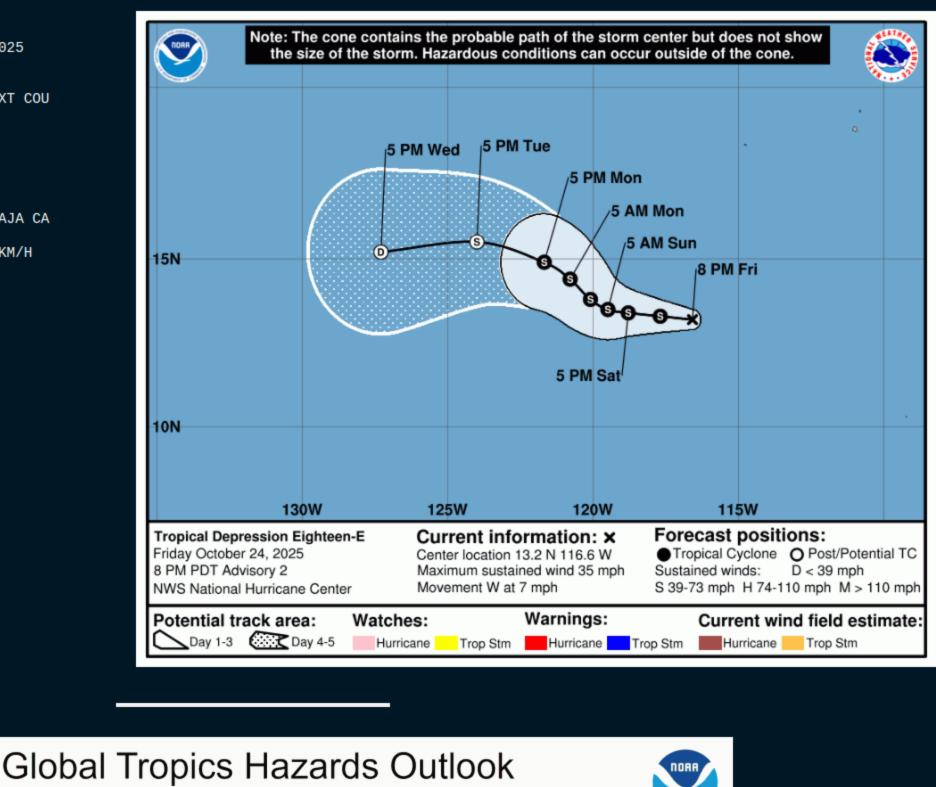
Tropical Depression 18E

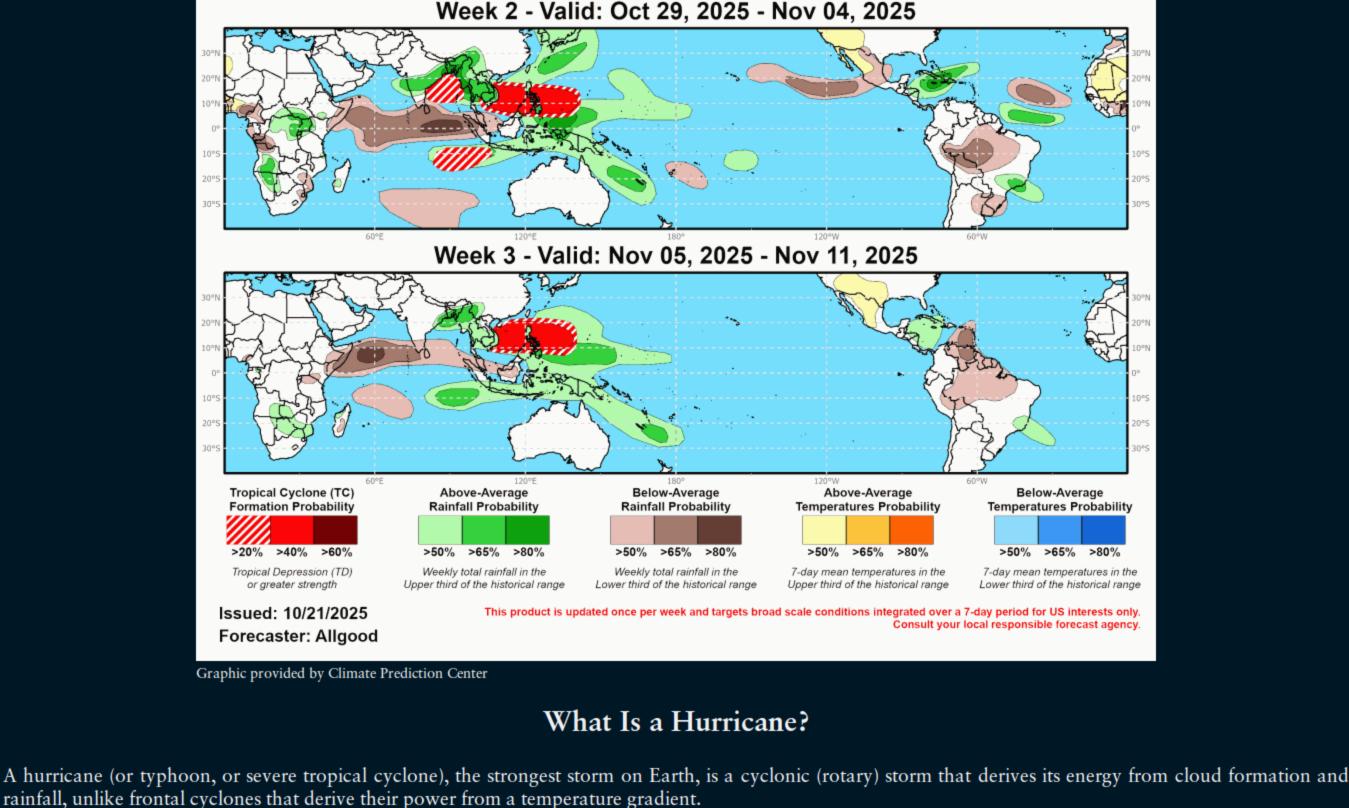
800 PM PDT Fri Oct 24 2025 ...DEPRESSION FORECAST TO STRENGTHEN DURING THE NEXT COU DAYS...

EP182025

SUMMARY OF 800 PM PDT...0300 UTC...INFORMATION

ABOUT 800 MI...1290 KM SW OF THE SOUTHERN TIP OF BAJA CA MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H PRESENT MOVEMENT...W OR 270 DEGREES AT 7 MPH...11 KM/H MINIMUM CENTRAL PRESSURE...1007 MB...29.74 INCHES





Climate Prediction Center

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

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.

surge at low tide.

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 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.

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

Roof damage is common. Storm surge begins to cause significant damage in beaches and harbors, with small buildings destroyed.

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

SAFFIR-SIMPSON SCALE Category Knots Damage

3				2
1	64-82	74-95	119-153	Minimal
2	83-95	96-110	154-177	Moderate
3	96-112	111-129	178-208	Extensive
4	113-136	130-156	209-251	Extreme
Super Typhoon	130+	150+	241+	Catastrophic
5	137+	157+	252+	Catastrophic
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 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

pressure of the eye. Another factor in the severity of the storm surge is tide. Obviously, an 18-foot storm surge at high tide is that much worse than an 18-foot