

HurricaneZone

Tracking Tropical Cyclones Around the World™

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



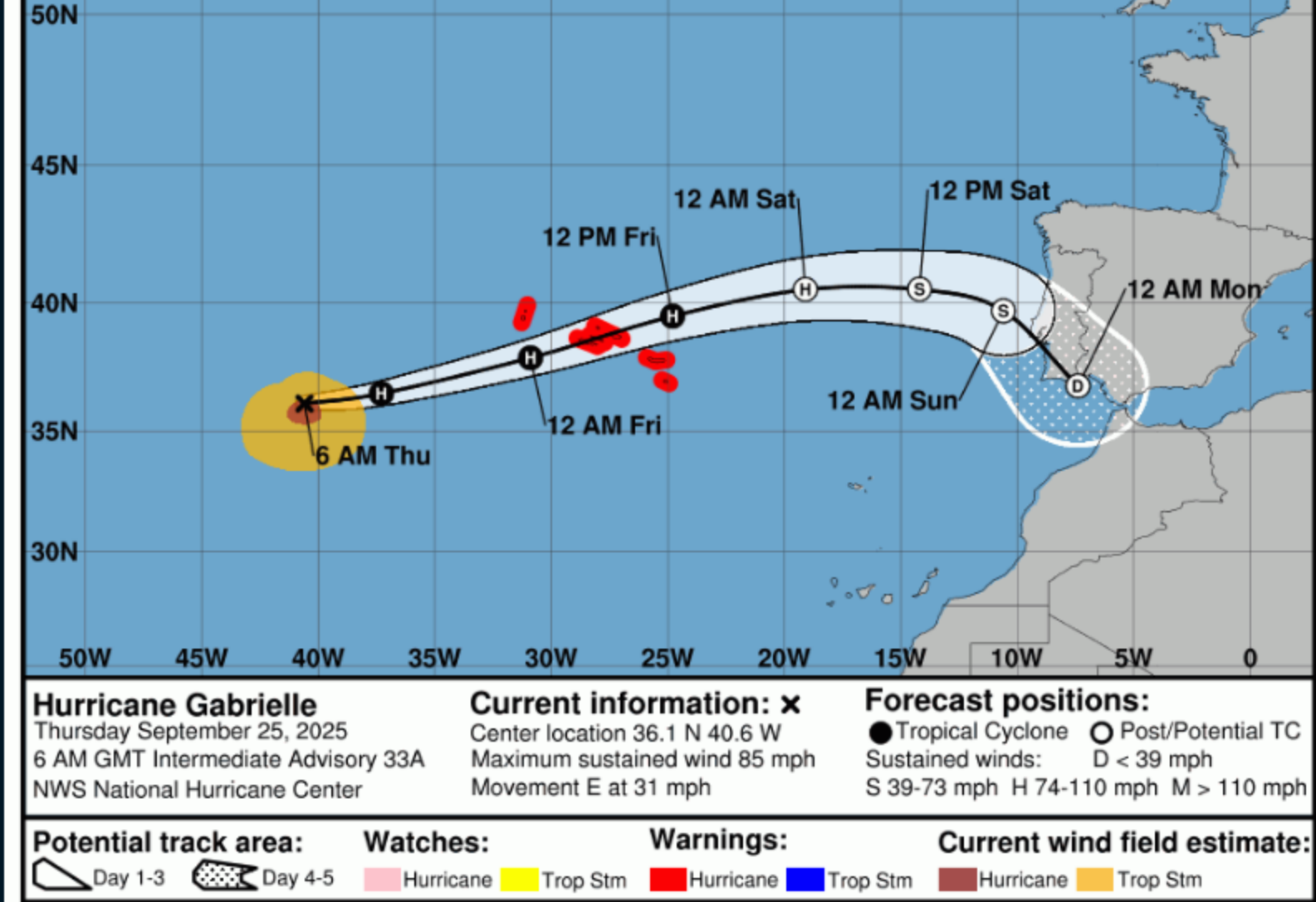
Hurricane GABRIELLE

Hurricane Gabrielle Intermediate Advisory Number 33A
NWS National Hurricane Center Miami FL AL072025
600 AM GMT Thu Sep 25 2025

...GABRIELLE MOVING QUICKLY EASTWARD TOWARD THE AZORES...
...ON TRACK TO BRING HURRICANE CONDITIONS TO THE AZORES
EARLY FRIDAY...

SUMMARY OF 600 AM GMT...0600 UTC...INFORMATION

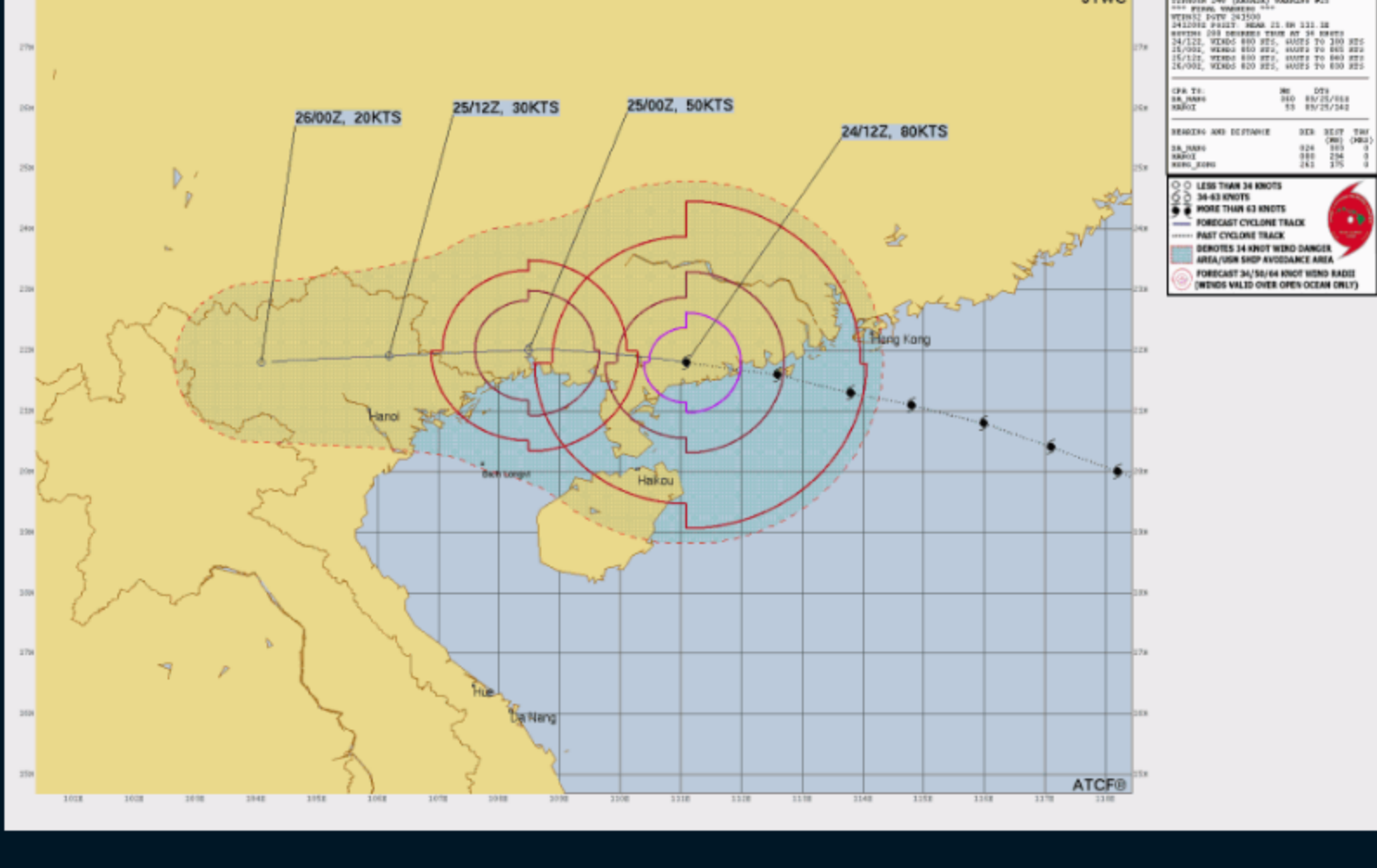
LOCATION...36.1N 40.6W
ABOUT 760 MI...1225 KM W OF THE AZORES
MAXIMUM SUSTAINED WINDS...85 MPH...140 KM/H
PRESENT MOVEMENT...E OR 85 DEGREES AT 31 MPH...50 KM/H
MINIMUM CENTRAL PRESSURE...978 MB...28.88 INCHES



Typhoon RAGASA

1. TYPHOON 24W (RAGASA) WARNING NR 025
63 ACTIVE TROPICAL CYCLONES IN NORTHWESTPAC
MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE
WIND RADII VALID OVER OPEN WATER ONLY

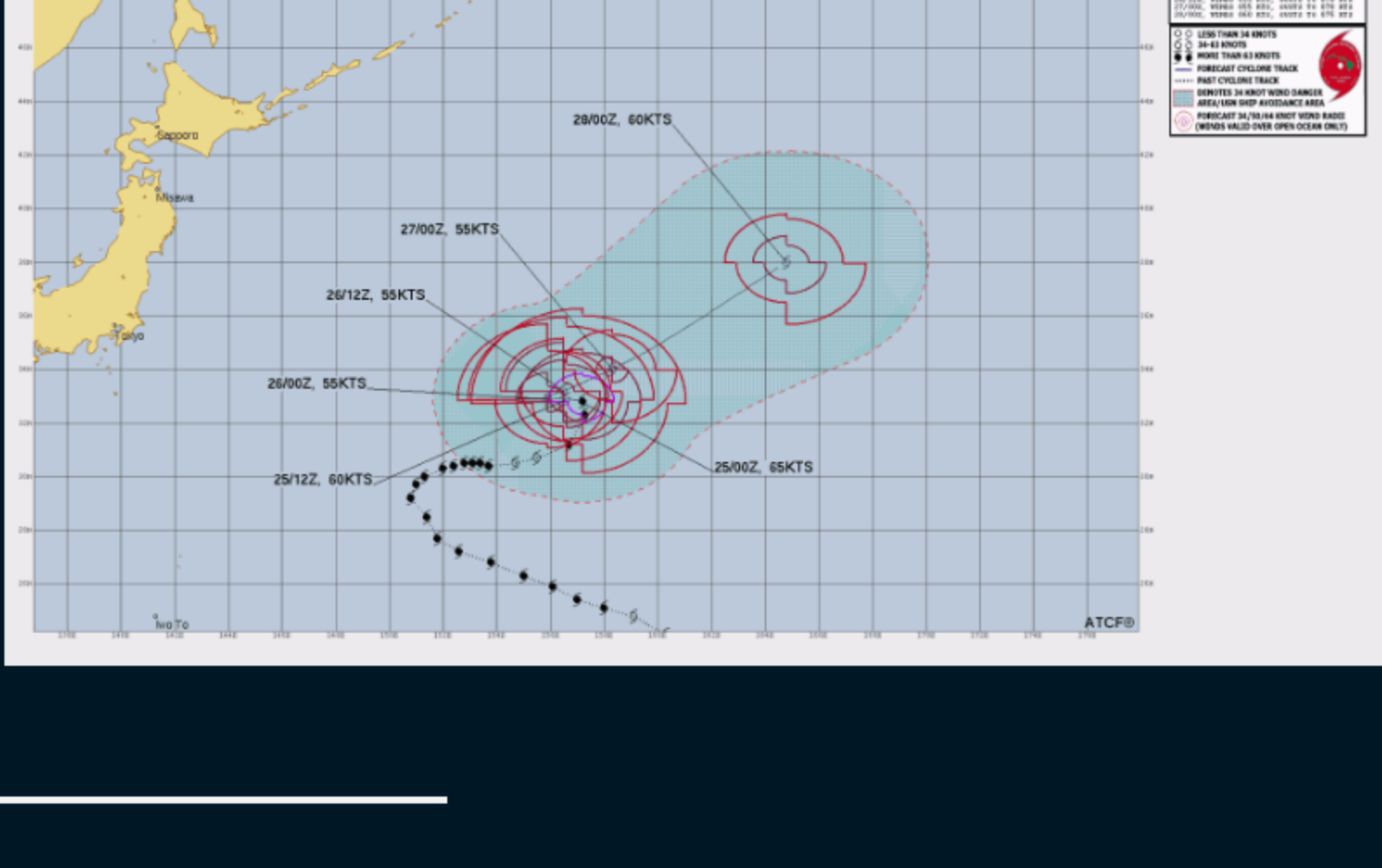
WARNING POSITION:
241200Z --- NEAR 21.8N 111.1E
MOVEMENT PAST SIX HOURS - 280 DEGREES AT 14 KTS
POSITION ACCURATE TO WITHIN 060 NM
POSITION BASED ON CENTER LOCATED BY A COMBINATION O
SATELLITE AND RADAR
PRESENT WIND DISTRIBUTION:
MAX SUSTAINED WINDS - 080 KT, GUSTS 100 KT
WIND RADII VALID OVER OPEN WATER ONLY
RADIUS OF 064 KT WINDS - 050 NM NORTHEAST QUADRANT
040 NM SOUTHWEST QUADRANT
035 NM NORTHWEST QUADRANT
090 NM NORTHEAST QUADRANT
090 NM SOUTHWEST QUADRANT
075 NM SOUTHWEST QUADRANT
065 NM NORTHWEST QUADRANT
RADIUS OF 034 KT WINDS - 160 NM NORTHEAST QUADRANT
165 NM SOUTHWEST QUADRANT
140 NM SOUTHWEST QUADRANT
125 NM NORTHWEST QUADRANT
REPEAT POSIT: 21.8N 111.1E



Typhoon NEOGURI

1. TYPHOON 25W (NEOGURI) WARNING NR 027
63 ACTIVE TROPICAL CYCLONES IN NORTHWESTPAC
MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE
WIND RADII VALID OVER OPEN WATER ONLY

WARNING POSITION:
250900Z --- NEAR 32.8N 157.2E
MOVEMENT PAST SIX HOURS - 250 DEGREES AT 05 KTS
POSITION ACCURATE TO WITHIN 060 NM
POSITION BASED ON CENTER LOCATED BY SATELLITE
PRESENT WIND DISTRIBUTION:
MAX SUSTAINED WINDS - 065 KT, GUSTS 080 KT
WIND RADII VALID OVER OPEN WATER ONLY
RADIUS OF 064 KT WINDS - 060 NM NORTHEAST QUADRANT
045 NM SOUTHWEST QUADRANT
030 NM SOUTHWEST QUADRANT
065 NM NORTHWEST QUADRANT
RADIUS OF 050 KT WINDS - 110 NM NORTHEAST QUADRANT
085 NM SOUTHWEST QUADRANT
045 NM SOUTHWEST QUADRANT
120 NM NORTHWEST QUADRANT
RADIUS OF 034 KT WINDS - 195 NM NORTHEAST QUADRANT
160 NM SOUTHWEST QUADRANT
095 NM SOUTHWEST QUADRANT
210 NM NORTHWEST QUADRANT
REPEAT POSIT: 32.8N 157.2E



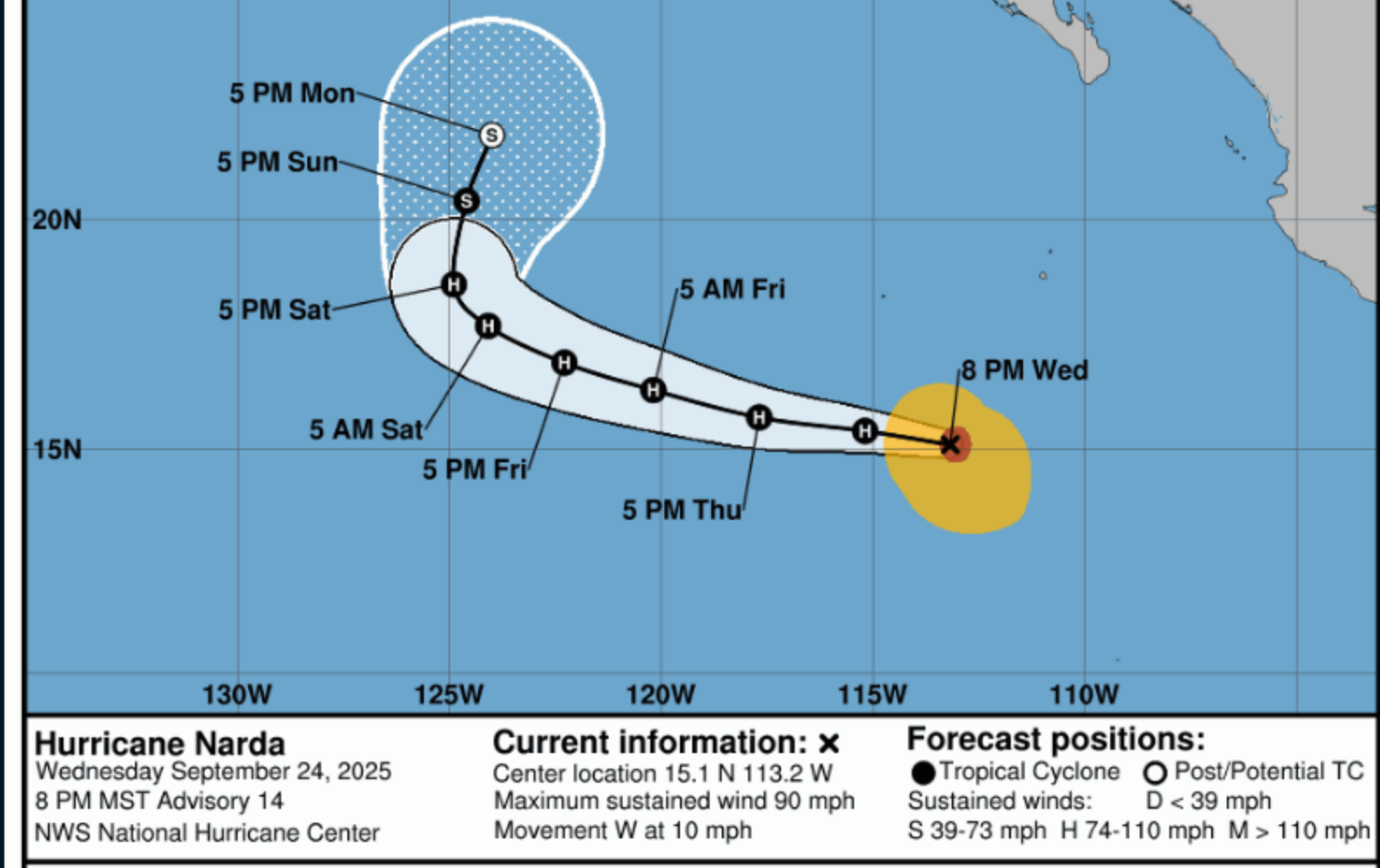
Hurricane NARDA

Hurricane Narda Advisory Number 14
NWS National Hurricane Center Miami FL EP142025
800 PM MST Wed Sep 24 2025

...NARDA WEAKENS SLIGHTLY DUE TO SHEAR BUT FORECAST TO R
ON FRIDAY...

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

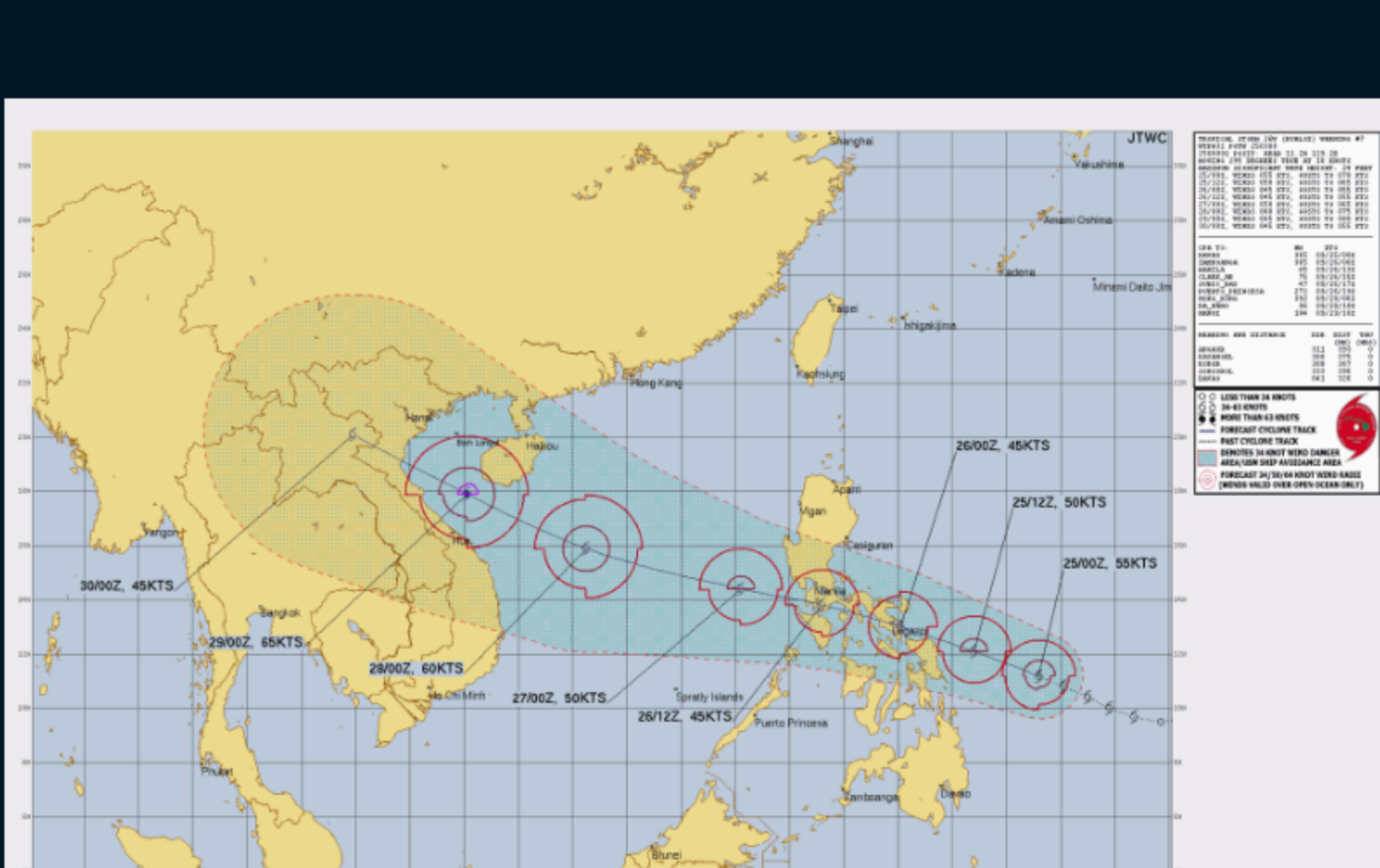
LOCATION...15.1N 113.2W
ABOUT 580 MI...935 KM SSW OF THE SOUTHERN TIP OF BAJA CA
MAXIMUM SUSTAINED WINDS...90 MPH...160 KM/H
PRESENT MOVEMENT...W OR 270 DEGREES AT 10 MPH...17 KM/H
MINIMUM CENTRAL PRESSURE...978 MB...28.88 INCHES



Tropical Storm BUALOI

1. TROPICAL STORM 26W (BUALOI) WARNING NR 007
ABOUT 580 MI...935 KM SSW OF THE SOUTHERN TIP OF BAJA CA
MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE
WIND RADII VALID OVER OPEN WATER ONLY

WARNING POSITION:
250900Z --- NEAR 11.2N 129.2E
MOVEMENT PAST SIX HOURS - 295 DEGREES AT 10 KTS
POSITION ACCURATE TO WITHIN 060 NM
POSITION BASED ON CENTER LOCATED BY SATELLITE
PRESENT WIND DISTRIBUTION:
MAX SUSTAINED WINDS - 055 KT, GUSTS 070 KT
WIND RADII VALID OVER OPEN WATER ONLY
RADIUS OF 050 KT WINDS - 035 NM NORTHEAST QUADRANT
025 NM SOUTHWEST QUADRANT
030 NM SOUTHWEST QUADRANT
035 NM NORTHWEST QUADRANT
RADIUS OF 034 KT WINDS - 080 NM NORTHEAST QUADRANT
065 NM SOUTHWEST QUADRANT
075 NM SOUTHWEST QUADRANT
080 NM NORTHWEST QUADRANT
REPEAT POSIT: 11.2N 129.2E



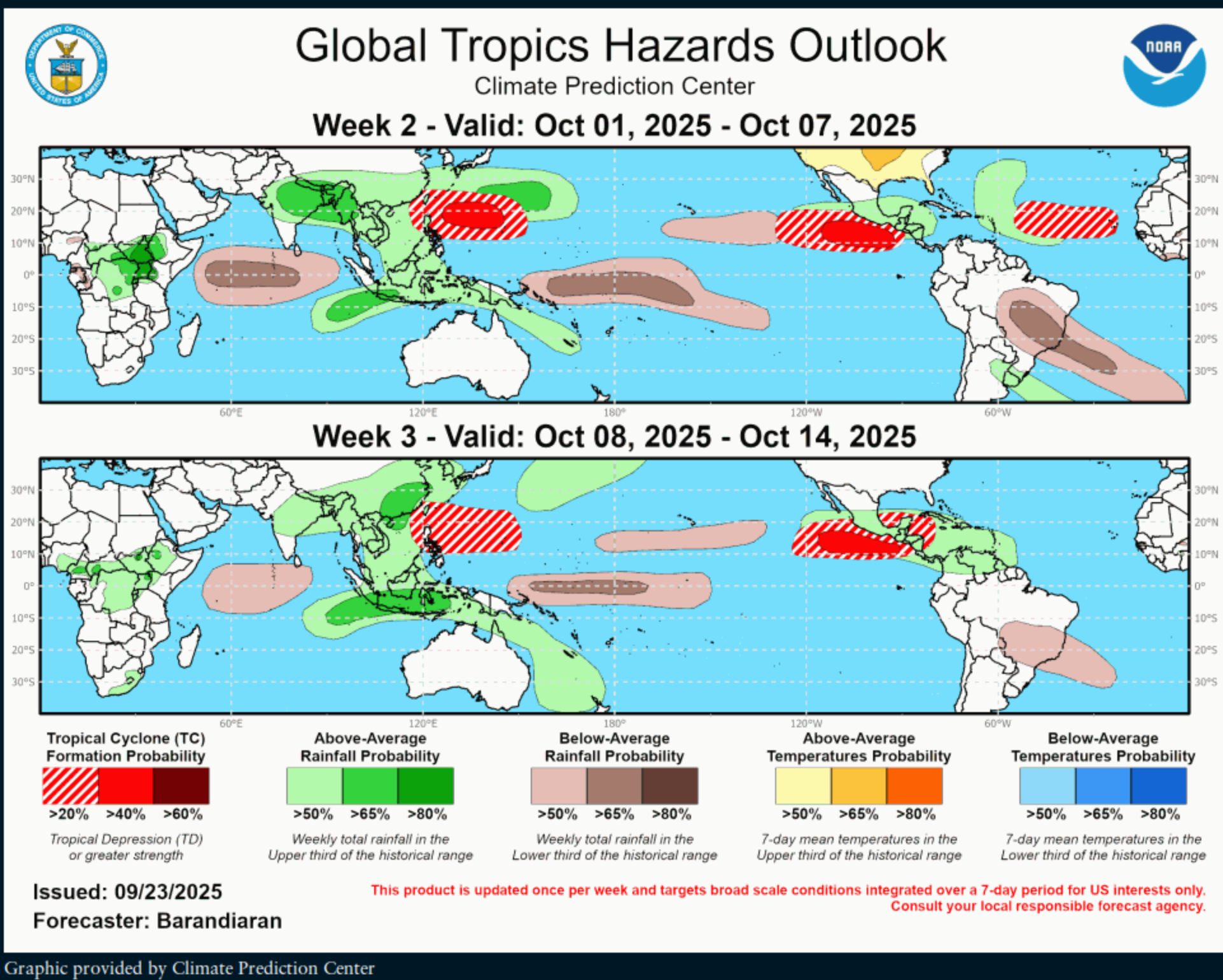
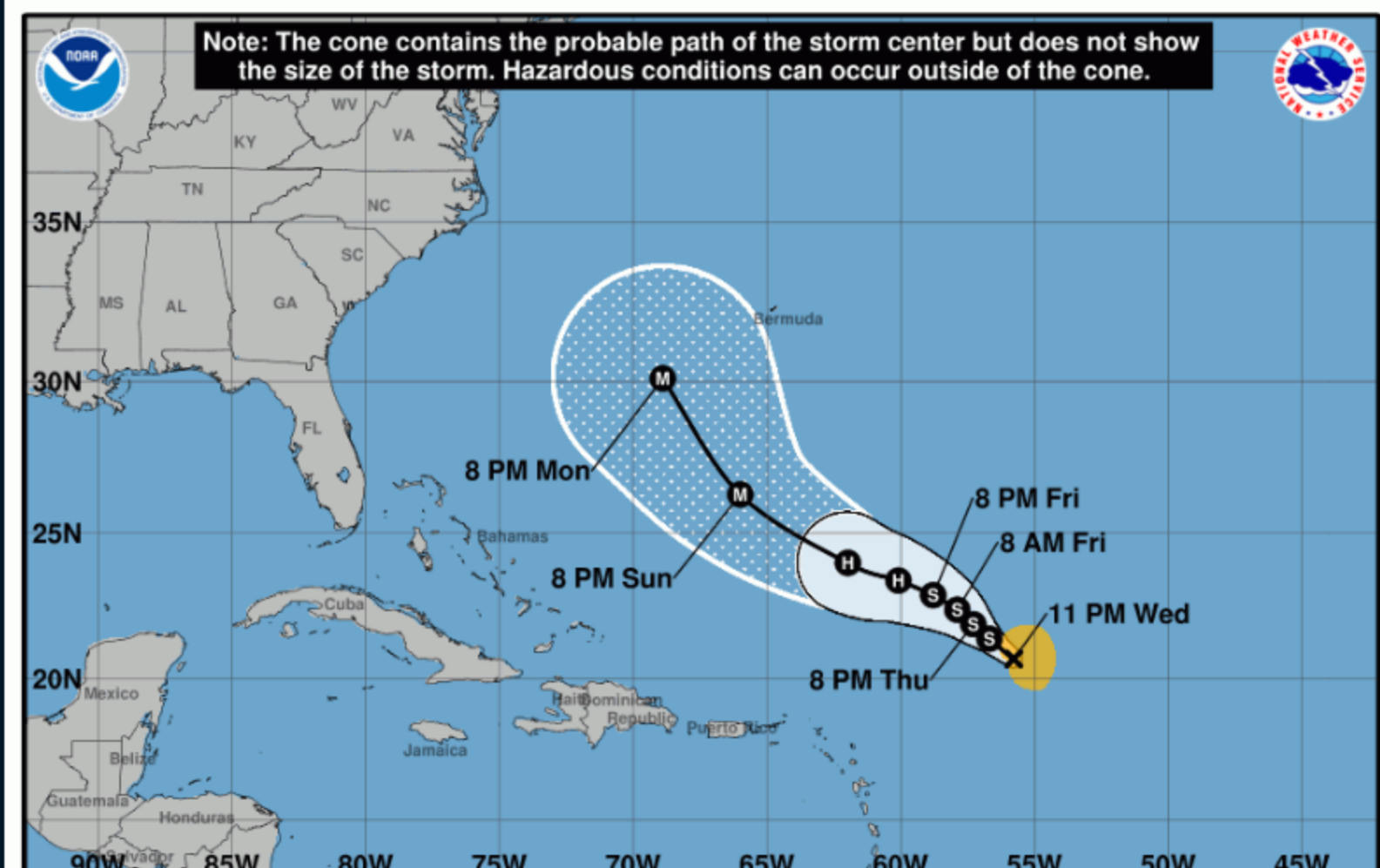
Tropical Storm HUMBERTO

Tropical Storm Humberto Advisory Number 2
NWS National Hurricane Center Miami FL AL082025
1100 PM AST Wed Sep 24 2025

...HUMBERTO EXPECTED TO STRENGTHEN DURING THE COMING DAY

SUMMARY OF 1100 PM AST...0300 UTC...INFORMATION

LOCATION...20.7N 55.8W
ABOUT 505 MI...815 KM ENE OF THE NORTHERN LEEWARD ISLAND
MAXIMUM SUSTAINED WINDS...45 MPH...75 KM/H
PRESENT MOVEMENT...WNW OR 300 DEGREES AT 12 MPH...19 KM/H
MINIMUM CENTRAL PRESSURE...1007 MB...29.74 INCHES



What Is a Hurricane?

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 Tropical 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.

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.

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

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

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 surge at low tide.

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