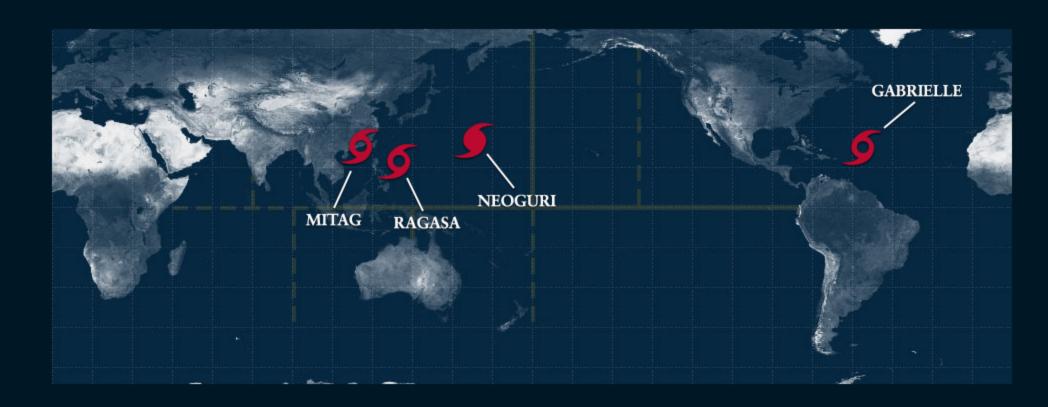
HurricaneZone

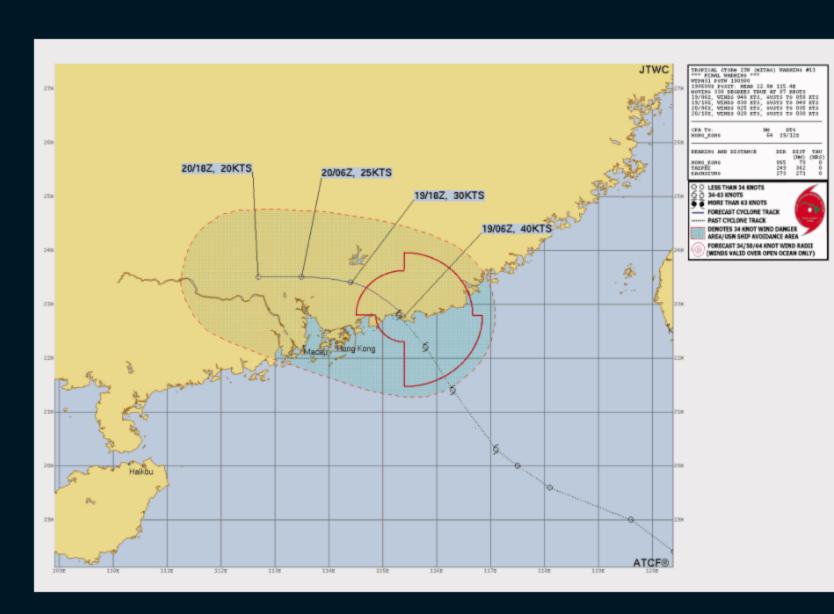
Tracking Tropical Cyclones Around the World™

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



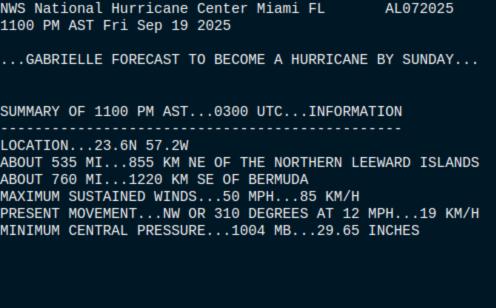
Tropical Storm MITAG

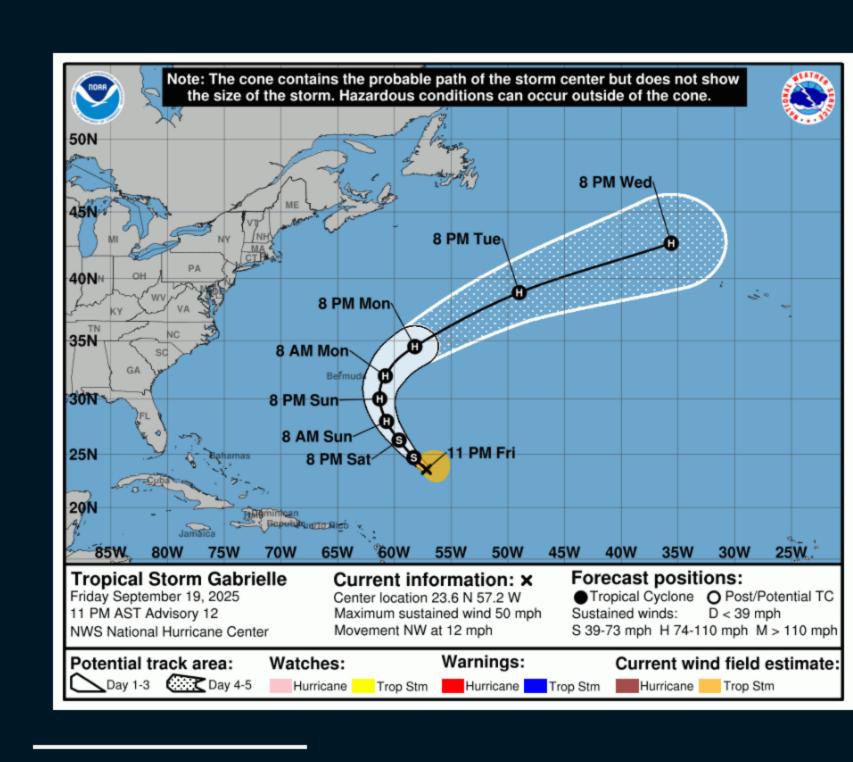
```
1. TROPICAL STORM 23W (MITAG) WARNING NR 013
  03 ACTIVE TROPICAL CYCLONES IN NORTHWESTPAC
  MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE
  WIND RADII VALID OVER OPEN WATER ONLY
  WARNING POSITION:
  190600Z --- NEAR 22.8N 115.4E
    MOVEMENT PAST SIX HOURS - 330 DEGREES AT 07 KTS
    POSITION ACCURATE TO WITHIN 030 NM
    POSITION BASED ON CENTER LOCATED BY RADAR
  PRESENT WIND DISTRIBUTION:
  MAX SUSTAINED WINDS - 040 KT, GUSTS 050 KT
  WIND RADII VALID OVER OPEN WATER ONLY
  RADIUS OF 034 KT WINDS - 070 NM NORTHEAST QUADRANT
                           080 NM SOUTHEAST QUADRANT
                           030 NM SOUTHWEST QUADRANT
                           050 NM NORTHWEST QUADRANT
  REPEAT POSIT: 22.8N 115.4E
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Tropical Storm Gabrielle Advisory Number 12

Tropical Storm GABRIELLE





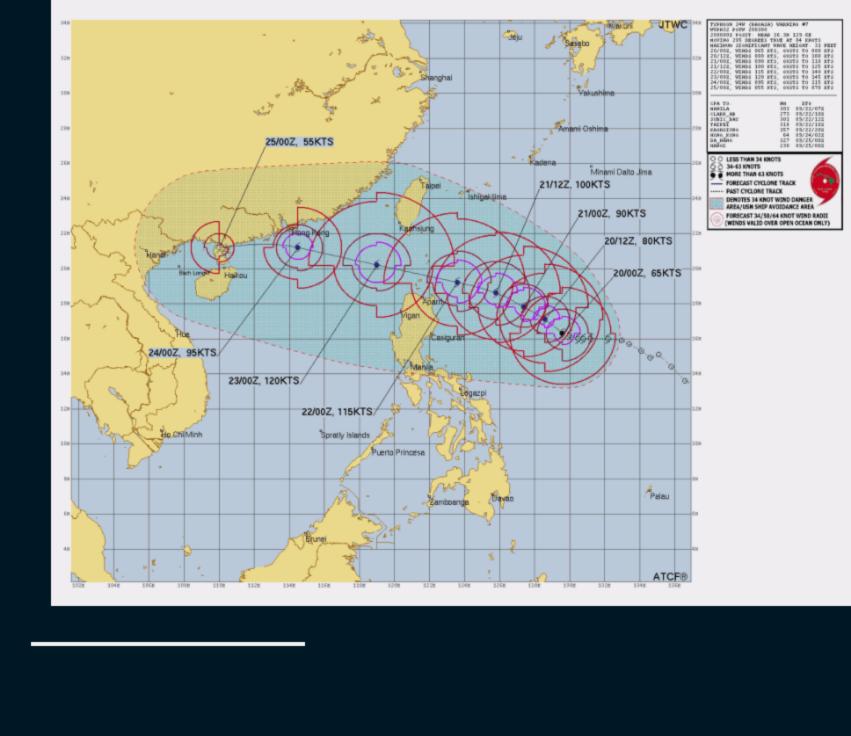
1. TYPHOON 24W (RAGASA) WARNING NR 007

03 ACTIVE TROPICAL CYCLONES IN NORTHWESTPAC MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE

UPGRADED FROM TROPICAL STORM 24W

Tropical Storm RAGASA

```
WIND RADII VALID OVER OPEN WATER ONLY
WARNING POSITION:
200000Z --- NEAR 16.3N 129.6E
  MOVEMENT PAST SIX HOURS - 285 DEGREES AT 04 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
                         040 NM SOUTHEAST QUADRANT
                         030 NM SOUTHWEST QUADRANT
                         055 NM NORTHWEST QUADRANT
RADIUS OF 050 KT WINDS - 085 NM NORTHEAST QUADRANT
                         095 NM SOUTHEAST QUADRANT
                         055 NM SOUTHWEST OUADRANT
                         085 NM NORTHWEST QUADRANT
RADIUS OF 034 KT WINDS - 160 NM NORTHEAST QUADRANT
                         175 NM SOUTHEAST QUADRANT
                         175 NM SOUTHWEST QUADRANT
                         140 NM NORTHWEST QUADRANT
REPEAT POSIT: 16.3N 129.6E
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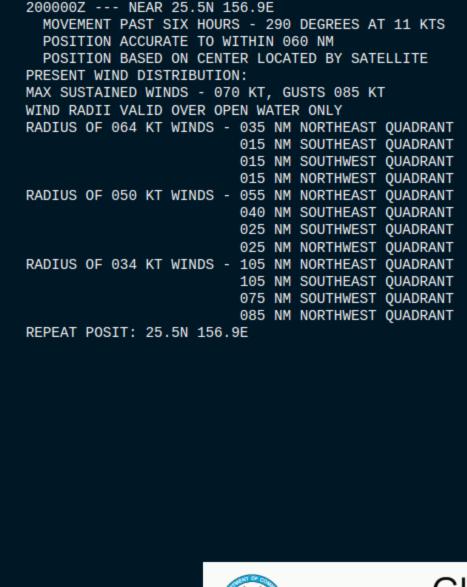
1. TYPHOON 25W (NEOGURI) WARNING NR 007 03 ACTIVE TROPICAL CYCLONES IN NORTHWESTPAC

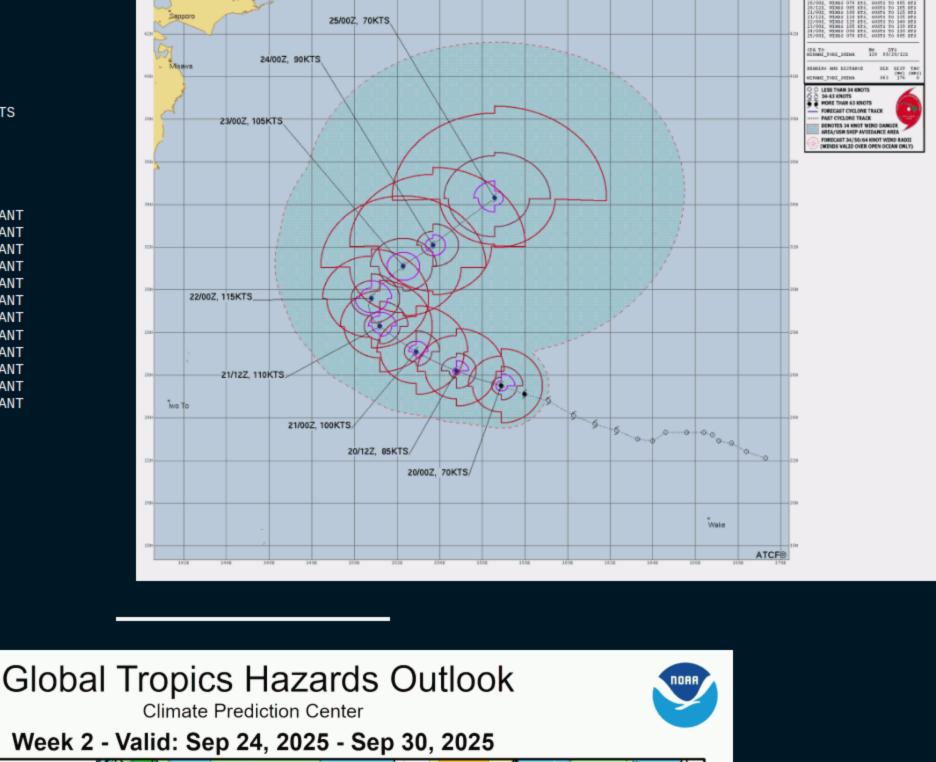
WIND RADII VALID OVER OPEN WATER ONLY

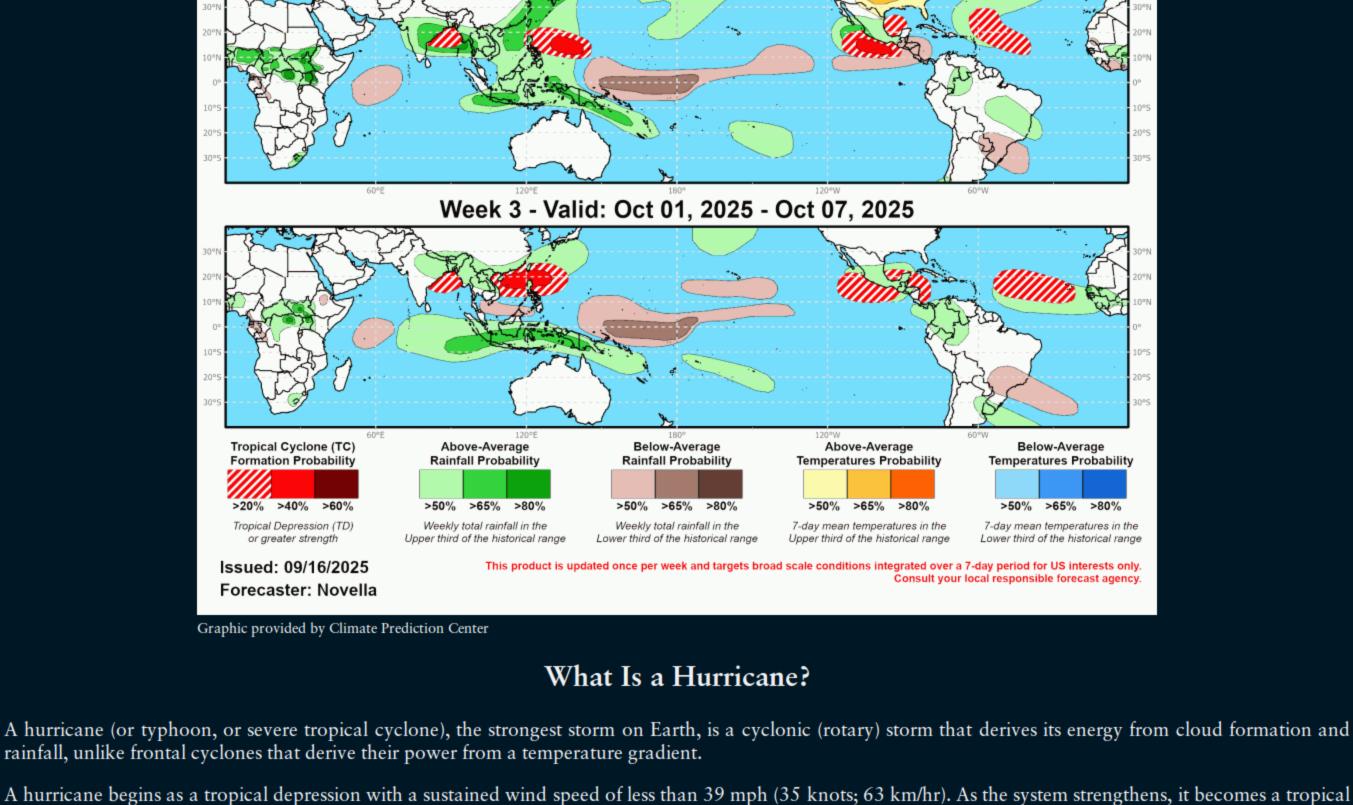
WARNING POSITION:

MAX SUSTAINED WINDS BASED ON ONE-MINUTE AVERAGE

Typhoon NEOGURI







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.

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.

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.

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

KM/H

Damage

Category 5 – 137+ knots (157+ mph; 252+ km/h). Complete roof failure on most buildings. Many buildings destroyed, or structurally damaged beyond repair.

1	04-02	/4-23	117-133	Millimai
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
	C+			

Knots

Category

surge at low tide.

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

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