

POST TROPICAL CYCLONE REPORT

| | |
|-----------------------|-----------------------------|
| Storm Name | Tropical Storm Man-yi (25W) |
| NWS Office | Guam |
| Begin/End Date | 11/11/2024 - 11/13/2024 |
| Fatalities | 0 - Direct 0 - Indirect |
| Tornadoes | N/A |

Event Summary

Man-yi (25W) originated from east of the Marshall Islands where JTWC first designated it as Invest 93W, northeast of Majuro, around the 7th of November. This disturbance continued WNW, eventually becoming a tropical depression (25W) midday (ChST) on 9 Nov, and then later, a 40mph tropical storm that evening. Initially forecast to trek through the Marianas near Anatahan, subsequent forecast tracks began to nudge further south starting with bulletin #7, early Mon morning 11 Nov. With this trend continuing, tropical storm watches were issued for Guam, Rota, Tinian, and Saipan around 6 PM (ChST) on 11 Nov, followed by tropical storm warnings for Guam and Rota around 8 AM 12 Nov with the forecast track indicating a passage over Guam. Sheared by NW winds aloft, heavy convection remained displaced to the south and southeast of the center of Man-yi. Due to both a northward shift in the track and TS wind field and the low-level circulation center (LLCC) due east of Rota-Tinian, a tropical storm warning was issued for Tinian and Saipan around 5 PM (ChST) 12 Nov. Overnight, the fast-moving LLCC began turning WSW, then SW to eventually pass south of Guam pre-sunrise 13 Nov. With shear weakening, Man-yi began to intensify as it departed the Marianas. TS warnings were initially dropped for Tinian and Saipan around 8 AM (ChST) 13 Nov, then later at 11 AM for Guam and Rota after a timely and informative scatterometer pass was received shortly after 10 AM. Impacts were minimal, largely tree branches, some overturned canopies and downed political campaign signs. No flooding occurred as all the deep convection, having been south and southeast of the center, stayed just south of Guam.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

| Station | State | Type | Sustained | Gust |
|------------------------------|-------|------|-----------|------|
| Andersen AFB | GU | ASOS | 27 | 42 |
| Guam International Airport | GU | ASOS | 26 | 42 |
| Saipan International Airport | CNMI | ASOS | 23 | 37 |
| Dandan Inarajan RAWS | GU | USFS | 19 | 36 |

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

| <i>Station</i> | <i>Type</i> | <i>Sustained</i> | <i>Gust</i> |
|------------------------|-------------|------------------|-------------|
| Apra Harbor Tide Gauge | NOS | 24 | 35 |
| Pago Bay Tide Gauge | NOS | 19 | 32 |

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

| <i>Station</i> | <i>State</i> | <i>Type</i> | <i>Inches</i> |
|----------------|--------------|-------------|---------------|
| N/A | | | |

Highest NOAA Tide Gage Observations

| <i>Station</i> | <i>State</i> | <i>Datum</i> | <i>Water Level (ft)</i> |
|------------------------|--------------|--------------|-------------------------|
| Pago Bay Tide Gauge | GU | MHHW | 0.96 |
| Apra Harbor Tide Gauge | GU | MHHW | 0.55 |

Lowest 10 Pressures (MSLP)

| <i>Station</i> | <i>State</i> | <i>Type</i> | <i>Millibars</i> |
|------------------------------|--------------|-------------|------------------|
| Guam International Airport | GU | ASOS | 1005.0 |
| Apra Harbor Tide Gauge | GU | NOS | 1005.3 |
| Andersen AFB | GU | ASOS | 1005.4 |
| Saipan International Airport | CNMI | ASOS | 1010.8 |

Report Last Updated on 11/22/2024:

This is the first issuance. The following files have been updated: Wind and Pressure, Rainfall, Water Level, and Impact Narratives.

Remarks:

None