

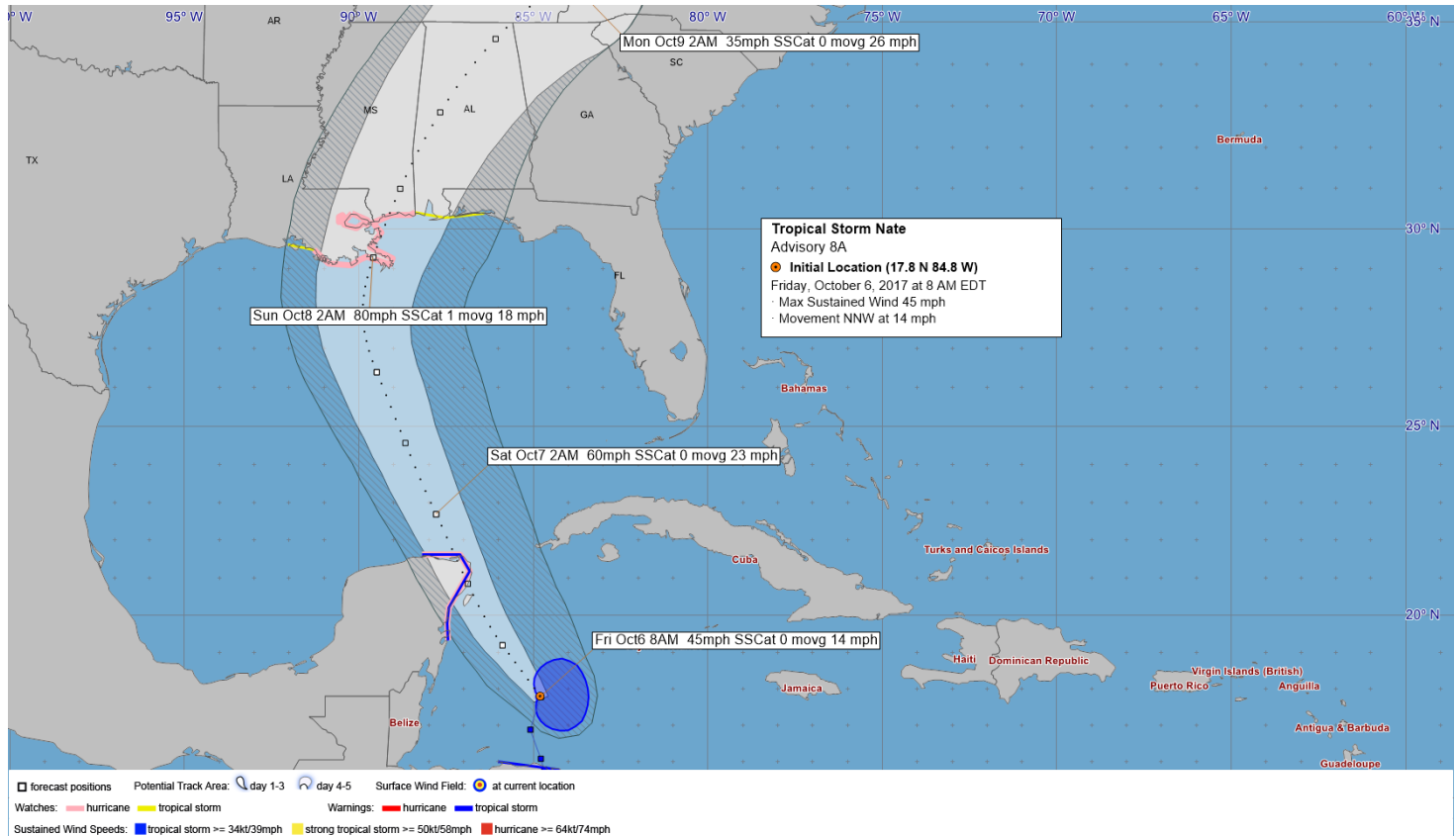


CITY OF DAYTONA BEACH EMERGENCY MANAGEMENT

Tropical Storm Nate Final Advisory 2/8A

FRIDAY, OCTOBER 6, 2017 0900 HOURS

WIDEST POSSIBLE DISSEMINATION OF THIS INFORMATION IS REQUESTED



Daytona Beach EOC STATUS: Level 3 (Monitoring)

Volusia County EOC STATUS: Level 3 (Monitoring)

State EOC Status: Level 3 (Monitoring)

Tropical Storm Nate Intermediate Advisory Number 8A

NWS National Hurricane Center Miami FL AL162017

700 AM CDT Fri Oct 06 2017

...AIR FORCE RESERVE AND NOAA HURRICANE HUNTER AIRCRAFT CURRENTLY INVESTIGATING NATE OVER THE NORTHWESTERN CARIBBEAN SEA...

SUMMARY OF 700 AM CDT...1200 UTC...INFORMATION

LOCATION...17.8N 84.8W

ABOUT 115 MI...185 KM NE OF ISLA GUANAJA HONDURAS

ABOUT 230 MI...370 KM SSE OF COZUMEL MEXICO

MAXIMUM SUSTAINED WINDS...45 MPH...75 KM/H

PRESENT MOVEMENT...NNW OR 340 DEGREES AT 14 MPH...22 KM/H

MINIMUM CENTRAL PRESSURE...996 MB...29.41 INCHES

WATCHES AND WARNINGS

- A **Coastal Flood Advisory** is in effect from Miami-Dade to Volusia County, with
- A **Coastal Flood Warning** in effect for the St. Johns River and tributaries
- A **Tropical Storm Watch** has been issued for Escambia, Santa Rosa and Okaloosa Counties.

DISCUSSION AND 48-HOUR OUTLOOK

At 700 AM CDT (1200 UTC), the center of Tropical Storm Nate was located by Air Force Reserve and NOAA Hurricane Hunter aircraft near latitude 17.8 North, longitude 84.8 West. Nate is moving toward the north-northwest near 14 mph (22 km/h), and this general track with a marked increase in forward speed is expected during the next day or two. On the forecast track, the center of Nate will move across the northwestern Caribbean Sea today, and reach the eastern coast of the Yucatan peninsula early this evening. Nate will then move into the southern Gulf of Mexico tonight and approach the northern Gulf coast Saturday evening.

Maximum sustained winds are near 45 mph (75 km/h) with higher gusts. Strengthening is forecast during the next couple of days, and Nate is expected to become a hurricane by the time it reaches the northern Gulf of Mexico.

Tropical-storm-force winds extend outward up to 90 miles (150 km) mainly to the east of the center.

The minimum central pressure estimated from the Hurricane Hunter data is 996 mb (29.41 inches).

Florida Outlook:

- The western Florida Panhandle is now within the 3-day cone of error, and the chances for tropical storm force winds have increase to 30-50% for much the western Florida Panhandle and 10-30% for the eastern Panhandle and Big Bend, which could arrive in gusts in the outer bands of Nate as early as Saturday afternoon.
- A Tropical Storm Watch has been issued for Escambia, Santa Rosa and Okaloosa Counties.
- There are no storm surge watches for Florida as surge values are expected to be below 2.5'. However, breaking waves of 6-10' could cause minor coastal flooding and erosion.
- Rainfall amounts of 1-3" (with isolated amounts up to 4-6" possible) is forecast for portions of the Florida Panhandle on Saturday and Sunday.
- Isolated tornadoes will also be possible Saturday and Sunday in the Panhandle.
- Breezy winds and increasing ocean swells will continue a high risk of rip currents along the entire Panhandle coast through this weekend.
- Breezy east winds combined with the lunar "King Tide" will continue to produce minor coastal flooding during high tide along the Florida East Coast. A Coastal Flood Advisory is in effect from Miami-Dade to Volusia County, with a Coastal Flood Warning in effect for the St. Johns River and tributaries through Saturday.

LOCAL ACTIONS: All City Departments should monitor the progress of this storm system.

NEXT ADVISORY: If the current track and storm development continues as predicted, there will be no further advisories issued for this storm. All personnel are urged to monitor local weather services (Cable TV, NHC, NOAA, NWS) for additional information concerning this storm.