

000

WTNT44 KNHC 270841

TCDAT4

Tropical Storm Harvey Discussion Number 28

NWS National Hurricane Center Miami FL AL092017

400 AM CDT Sun Aug 27 2017

Although the radar presentation of the inner core of Harvey has degraded considerably, the system continues to produce intense convection in bands to the east and southeast of the center. The current intensity estimate is set to 40 kt based on surface synoptic data over southeastern Texas. Since the center is expected to remain mainly over land during the forecast period, continued weakening is likely. Given that a significant portion of the circulation is over water, however, this weakening should be very slow to occur. The official intensity forecast is similar to the model consensus.

Harvey has been meandering overnight and now appears to be drifting south-southwestward. The cyclone is trapped between mid-level highs to its west-northwest and east-southeast. Over the next couple of days, the flow on the southern periphery of a trough dropping over the east-central United States should cause Harvey to move slowly southeastward to eastward. Later in the forecast period, increased ridging to east of the cyclone should cause Harvey to turn northward. The official track forecast is close to the latest model consensus and brings the center to the coast and, briefly, just offshore of southeastern Texas. At this time, it is not expected that Harvey will move far enough out over the water to result in regeneration.

The biggest concern with Harvey is now the rain, a lot of rain. Rainfall totals of nearly 20 inches have been reported in the Houston area. This is resulting in catastrophic flooding which, unfortunately, will continue for some time.

Key Messages:

1. While Harvey's winds are decreasing, life-threatening hazards will continue from heavy rainfall over much of southeastern Texas and from storm surge along portions of the Texas coast.
2. Catastrophic and life-threatening flooding is expected across the middle and upper Texas coast from additional rainfall of 15 to 25 inches, with isolated storm totals as high as 40 inches, through Thursday. Please heed the advice of local officials and do not drive into flooded roadways. Refer to products from your local National Weather Service office and the NOAA Weather Prediction Center for more information on the flooding hazard. A summary of rainfall totals compiled by the Weather Prediction Center can be found at: www.wpc.ncep.noaa.gov/discussions/nfdsccl.html
3. A Storm Surge Warning remains in effect for portions of the

Texas coast. Life-threatening storm surge flooding will be slow to recede due to the slow motion of Harvey and a prolonged period of onshore flow. For a depiction of areas at risk, see the Storm Surge Watch/Warning Graphic at hurricanes.gov.

FORECAST POSITIONS AND MAX WINDS

INIT	27/0900Z	29.2N	97.7W	40 KT	45 MPH	
12H	27/1800Z	29.0N	97.4W	35 KT	40 MPH...	INLAND
24H	28/0600Z	28.7N	97.0W	30 KT	35 MPH...	INLAND
36H	28/1800Z	28.5N	96.6W	30 KT	35 MPH...	NEAR THE COAST
48H	29/0600Z	28.5N	96.1W	30 KT	35 MPH...	INLAND
72H	30/0600Z	29.4N	95.6W	30 KT	35 MPH...	INLAND
96H	31/0600Z	30.8N	95.5W	25 KT	30 MPH...	INLAND
120H	01/0600Z	32.0N	95.0W	25 KT	30 MPH...	INLAND

\$\$

Forecaster Pasch