

Tropical Cyclone Report
Tropical Depression Seventeen-E
(EP172008)
23-24 October 2008

Michael J. Brennan
National Hurricane Center
23 November 2008

Tropical Depression Seventeen-E was a short-lived tropical cyclone that brought rain to the southwestern coast of Mexico while the center remained well offshore. The depression originated from a region of convection that developed south of the Gulf of Tehuantepec on 20 October, in association with a slow-moving tropical wave. This wave, which departed the west coast of Africa on 30 September, crossed Central America into the Eastern Pacific on 15-16 October. The convection associated with the wave became more persistent on 22 October and slowly increased in organization as the wave moved westward. It is estimated that a tropical depression formed around 0600 UTC 23 October, about 410 n mi south of Manzanillo, Mexico.

The depression initially moved northward around the western periphery of a mid- to upper-level ridge, and southeasterly shear displaced the deep convection to the northwest of the low-level center. By early on 24 October, the depression turned toward the northwest, and southwesterly vertical wind shear increased with the approach of a mid- to upper-level trough. The strong wind shear displaced the deep convection well to the northeast of the low-level center, bringing rainfall to the southwestern coast of Mexico, where Manzanillo reported 1.69 in of rain on 24 October. By 1800 UTC that day, the low-level center became ill-defined and void of deep convection due to the strong wind shear, and the depression degenerated into a remnant low when it was centered about 245 n mi south-southwest of Manzanillo. The remnant low tracked west-northwestward for about a day, then moved westward until dissipation around 0000 UTC 28 October, about 600 n mi southwest of the southern tip of the Baja California peninsula. No watches or warnings were associated with the depression.

The best track positions and intensities for the cyclone are listed in Table 1. A digital record of the best track can be found online at <ftp://ftp.nhc.noaa.gov/atcf>.

Table 1. Best track for Tropical Depression Seventeen-E, 23-24 October 2008.

| Date/Time (UTC) | Latitude (°N) | Longitude (°W) | Pressure (mb) | Wind Speed (kt) | Stage |
|--------------------|------------------|-------------------|------------------|--------------------|---------------------|
| 23 / 0600 | 12.3 | 104.9 | 1009 | 25 | tropical depression |
| 23 / 1200 | 13.0 | 104.9 | 1008 | 30 | " |
| 23 / 1800 | 13.8 | 105.0 | 1008 | 30 | " |
| 24 / 0000 | 14.4 | 105.4 | 1008 | 30 | " |
| 24 / 0600 | 14.9 | 105.9 | 1008 | 30 | " |
| 24 / 1200 | 15.3 | 106.4 | 1008 | 30 | " |
| 24 / 1800 | 15.7 | 106.9 | 1008 | 25 | low |
| 25 / 0000 | 16.1 | 107.5 | 1009 | 25 | " |
| 25 / 0600 | 16.6 | 108.2 | 1009 | 25 | " |
| 25 / 1200 | 16.7 | 109.0 | 1009 | 25 | " |
| 25 / 1800 | 16.7 | 109.7 | 1009 | 25 | " |
| 26 / 0000 | 16.6 | 110.4 | 1009 | 25 | " |
| 26 / 0600 | 16.5 | 111.0 | 1009 | 25 | " |
| 26 / 1200 | 16.4 | 111.7 | 1009 | 25 | " |
| 26 / 1800 | 16.2 | 112.6 | 1010 | 20 | " |
| 27 / 0000 | 16.1 | 113.8 | 1010 | 20 | " |
| 27 / 0600 | 16.0 | 115.1 | 1010 | 20 | " |
| 27 / 1200 | 16.0 | 116.1 | 1010 | 20 | " |
| 27 / 1800 | 16.0 | 117.4 | 1010 | 20 | " |
| 28 / 0000 | | | | | dissipated |
| 23 / 1200 | 13.0 | 104.9 | 1008 | 30 | minimum pressure |