On May 13, 2008, GDEM directed TX-TF1 to prepare to deploy for possible severe weather. The NWS predicted a series of potential severe weather events across North Texas. The most severe weather was predicted beginning on Tuesday, May 13, from approximately 7:00 p.m. through 4:00 a.m. on Wednesday, May 14.

On May 13, in advance of the severe weather and possible hail and tornados, TX-TF1 deployed 5 ESF-9 Coordinators and Liaison Officers across the state. Four personnel were deployed to the Regional Emergency Operation Centers in Granbury, Abilene, Wichita Falls, and Garland, while the other one was deployed to the SOC. Once in their respective areas, the ESF-9 Coordinators and Liaison Officers worked to support the Regional Liaison Officers and Disaster District Chairman as required.

By 1:00 p.m. on May 14, the storm system was centered over Northeast Texas, with a line of storms from the I-10 corridor north to the Texas/Oklahoma border. This caused TX-TF1 to move the ESF-9 Coordinators and Liaison Officers located at Regional Emergency Operations Centers from their respected locations and reassign them to Regional Emergency Operation Centers in College Station, Beaumont, Texarkana, and Garland.

On the morning of May 15, after the threat of tornados and flooding in Northeast Texas had subsided, GDEM released the task force personnel to return to College Station.