

National Weather Service Storm Data and Unusual Weather Phenomena



March 2005 Time Local/ Path Length Path Number of Estimated Persons Width Damage **NEW MEXICO, Southeast NMZ028 Eddy County Plains** 0300MST 1300MST 0 0 0 Winter Weather/Mix Winter weather affected parts of New Mexico during the day on the 15th. Light snow accumulations up to one inch were reported across the northwestern half of the Eddy County plains. **NMZ029 Northern Lea County** 0400MST 1400MST 0 Winter Storm 15 More significant snowfall occurred over northern Lea County on the 15th as a winter storm affected portions of the New Mexico plains. Between four and five inch snow accumulations were reported across northern Lea County from Caprock to Crossroads NMZ028-033 **Eddy County Plains - Central Lea County** 29 55K High Wind (MG50) A potent storm system moved east over the Southern Plains on the 29th and caused severe non-thunderstorm winds over southeastern New Mexico. Numerous reports of downed power lines and poles were received along with reports of blown down trees. The roof was blown off of a trailer home near Hobbs. Wind gusts to 58 MPH were recorded at both the Carlsbad and Hobbs airports. TEXAS, West **TXZ061 Ector** 0400CST 0 03 Dense Fog Dense fog developed over the central Permian Basin of west Texas during the morning hours of the 3rd. The fog restricted visibility for local motorists, and indirectly contributed to a fatal traffic accident along Texas Highway 158 in northern Ector County. The driver of a semi-truck lost sight of the highway and impacted an embankment at a high rate of speed. The driver died at the scene. **Reeves County** 8 SE Orla to 11 SE Orla 1835CST Hail(1.25) Officials in Reeves County reported half dollar size hail that accumulated three inches deep along a three mile stretch of U.S. Highway 285 southeast of Orla. **Reeves County** 10 SE Orla 06 1840CST 0 Thunderstorm Wind (EG61) Law enforcement officials reported that 60 to 70 MPH severe thunderstorm wind gusts accompanied large hail south of Orla. **Loving County** Mentone to 1853CST 0 0 Hail(1.25) 06 15 ENE Mentone At 18:53 CST, the Loving County Emergency Manager reported half dollar size hail in Mentone. The swath of large hail and its parent severe thunderstorm continued east across southern Loving County. By 19:30 CST, local officials reported penny size hail that covered Interstate 20 fifteen miles east-northeast of Mentone. The accumulating hail resulted in slick driving conditions along the interstate. Winkler County 6 SSE Kermit Hail(1.00)

Two separate reports indicated quarter size hail along Texas Highway 18 south of Kermit.



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March 2005 Time Local/ Path Length Path Number of Estimated Width Persons Damage TEXAS, West Winkler County 6 SSE Kermit 06 2010CST 0 0 Thunderstorm Wind (EG52) The large hail south of Kermit was accompanied by severe wind gusts. An isolated severe thunderstorm initiated along the Guadalupe Mountains of west Texas during the late afternoon of the 6th and propagated east across the Upper Trans Pecos region. This storm resulted in large amounts of hail up to the size of half dollars and occasional severe wind gusts. No significant damage was reported. TXZ074-258 Davis / Apache Mountains Area - Guadalupe Mountains Of Culberson County High Wind (MG77) Fast zonal mid level flow over west Texas resulted in a classic mountain wave situation along the Guadalupe and Davis Mountains on the 20th and 21st. Severe winds occurred in the mountains of west Texas during the spring break weekend, the busiest tourist weekend of the year for the national and state parks in the area. Significant damage was not reported. Measured wind gusts follow: Guadalupe Mountains: The Bowl......73 MPH Guadalupe Pass......66 MPH Davis Mountains: McDonald Observatory Mount Fowlkes.....88 MPH Mount Locke......78 MPH **Crane County** 2 SW Crane Hail(0.88) 26 Reagan County 2 N Stiles Thunderstorm Wind (EG50) 1K A rural resident north of Stiles reported 60 MPH gusts from a severe thunderstorm that blew open and slightly damaged the door on a large barn. A series of strong to severe thunderstorms erupted over the southern and eastern Permian Basin in west Texas during the very early morning hours of the 26th. These storms developed as a strong low level jet interacted with a warm front. Large hail and severe winds were reported. Winkler County 3 NW Wink 1629CST 0 0 0 0 Thunderstorm Wind (MG54) High based convection resulted in severe wind gusts near Wink. A gust to 62 MPH was recorded at the Winkler County Airport. No damage was reported. TXZ074 Davis / Apache Mountains Area 1900CST High Wind (MG63) 26 Severe mountain winds affected the Davis Mountains in southwestern Texas during the afternoon of the 26th. A gust to 72 MPH was recorded at the McDonald Observatory.

A potent upper level storm system brought strong to severe thunderstorms and high winds to west Texas on the 26th. Severe storms ahead of the approaching system produced large hail and damaging winds during the pre-dawn hours across the southeastern Permian Basin. As the upper low passed just north of the region during the afternoon, severe mountain winds were observed in the



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High Wind (MG67)

March 2005 Path Length (Miles) Time Local/ Path Width Number of Estimated Persons Damage TEXAS, West Davis Mountains. Very high based and shallow convection beneath the mid level cold pool resulted in additional severe winds over the Upper Trans Pecos region during the late afternoon hours. TXZ074-258 Davis / Apache Mountains Area - Guadalupe Mountains Of Culberson County 0800CST High Wind (MG68) 2000CST The passage of a strong upper level storm system over the southern Rockies resulted in a series of strong mountain waves along the Guadalupe and Davis Mountains of west Texas. Around midday, winds through Guadalupe Pass along U.S. Highway 62/180 were sustained at 63 MPH with gusts in excess of 70 MPH. Recorded peak gusts follow: Davis Mountains: Mount Fowlkes...74 MPH Mount Locke......70 MPH Guadalupe Mountains: The Bowl......78 MPH Guadalupe Pass....76 MPH **TXZ074** Davis / Apache Mountains Area

> 2200CST 2359CST A strong cold front swept south across west Texas during the evening of the 31st. As the front encountered the higher terrain in southwestern Texas, severe winds were recorded in the Davis Mountains. Winds at the McDonald Observatory reached 77 MPH atop Mount Locke. Gusts in excess of 70 MPH persisted for more than four hours into the early part of April 1st. Severe wind gusts also were recorded on Mount Fowlkes.

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