



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### NEW MEXICO, Southeast

NMZ028>029

**Eddy County Plains - Northern Lea County**

22	0300MST 1700MST				0	0	0	0	<b>Winter Storm</b>
----	--------------------	--	--	--	---	---	---	---	---------------------

A winter storm over the plains of southeastern New Mexico during the morning hours of the 22nd resulted in snow accumulations up to 4 inches across northern Eddy and Lea Counties. Although the snowfall resulted in hazardous driving conditions, no significant highway closures were reported. Reported storm total snow depths included:

Artesia.....4 inches  
Tatum.....4 inches

NMZ028-033

**Eddy County Plains - Central Lea County**

22	0400MST 1700MST				0	0	0	0	<b>Winter Weather/Mix</b>
----	--------------------	--	--	--	---	---	---	---	---------------------------

Lesser snow accumulations over the southeastern New Mexico plains included:

Hobbs.....2 inches  
Lakewood...2 inches  
Carlsbad....1 inch

The first of two winter storms to impact the region in the days prior to Christmas struck southeastern New Mexico during the morning of the 22nd. An arctic airmass invaded much of the central United States on the 21st. Strong upper level jet stream winds developed over the southern periphery of this airmass by early on the 22nd. Ascending air associated with the jet combined with the cold airmass to produce a round of accumulating snowfall and winter storm conditions over the southeastern New Mexico Plains

NMZ028

**Eddy County Plains**

23	1700MST				0	0	0	0	<b>Winter Storm</b>
24	0200MST								

Heavy snow began to fall over the plains of southeastern New Mexico during the late afternoon and early evening hours of the 23rd. By the time the snowfall subsided early on the 24th, accumulations of six inches had piled up across parts of Eddy and central Lea Counties. Local authorities reported that hazardous driving conditions had resulted in numerous accidents on area highways by 19:00 MST. During the late evening many roads and highways across Eddy and Lea Counties were closed due to icy and snow packed conditions. Reported storm total snow accumulations included:

Artesia.....6 inches  
Carlsbad....6 inches  
Hobbs.....5 inches  
Lovington....5 inches

NMZ028-034

**Eddy County Plains - Southern Lea County**

23	2000MST				0	0	0	0	<b>Winter Weather/Mix</b>
24	0200MST								

The second winter storm to impact southeastern New Mexico during the late December arctic air outbreak resulted in half a foot of snow over most of Eddy and central Lea Counties by sunrise on Christmas Eve. This as a potent upper level disturbance moved over the region and acted upon the arctic airmass that remained entrenched across the region. Winter storm conditions resulted in the closure of many area roads and highways. Multiple accidents were reported along a few routes.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### TEXAS, West

#### Ector County

<b>Goldsmith to 3 NE Odessa</b>	<b>06</b>	<b>1019CST 1035CST</b>			<b>0</b>	<b>0</b>	<b>35K</b>	<b>0</b>	<b>Thunderstorm Wind (EG57)</b>
-------------------------------------	-----------	----------------------------	--	--	----------	----------	------------	----------	---------------------------------

Multiple wind damage reports were received as a line of severe thunderstorms swept across Ector County. Several traffic signs were blown down in Goldsmith. Additional damage was reported in Odessa where power lines were downed by the winds at the intersection of 56th and Golden Streets. The most significant damage occurred along Sierra Street where a twelve by twenty-four foot storage barn was flattened by the winds. Debris from the destroyed barn damaged additional structures downwind. Large branches also were stripped from trees in the neighborhood.

#### Midland County

<b>Midland</b>	<b>06</b>	<b>1055CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Wind (EG52)</b>
----------------	-----------	----------------	--	--	----------	----------	------------	----------	---------------------------------

Severe thunderstorm winds downed at least one large tree in Midland. The tree fell onto a storage shed and caused minor damage to the structure.

#### Martin County

<b>Tarzan to Lenorah</b>	<b>06</b>	<b>1105CST 1110CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (EG52)</b>
------------------------------	-----------	----------------------------	--	--	----------	----------	----------	----------	---------------------------------

A local farmer reported thunderstorm wind gusts up to 60 MPH between Tarzan and Lenorah along State Highway 176

A squall line raced east across the west Texas Permian Basin around midday on the 6th. A segment of the linear complex became severe over the central Permian Basin and produced damaging winds. The area from Goldsmith in northern Ector County to the north side of Odessa was hardest hit. At least one building was destroyed and a few others were damaged. No injuries were reported.

<b>TXZ045&gt;046-050-052&gt;053</b>	<b>Gaines - Dawson - Andrews - Howard - Mitchell</b>	<b>22</b>	<b>0130CST 1000CST</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Winter Weather/Mix</b>
-------------------------------------	--	-----------	----------------------------	--	----------	----------	----------	----------	---------------------------



*A light snow cover and icy conditions led to many traffic accidents over the northeastern Permian Basin on the morning of the 22nd. A semi-truck flipped into the median of Interstate 20 west of Colorado City and scattered boxes of frozen chicken across the interstate. Photo courtesy: Jim Baum - KVMC Radio.*



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------	---------------------------------	-------	--------------------

### TEXAS, West

Snowfall resulted in accumulations between one and three inches over the northern Permian Basin of west Texas during the morning of the 22nd. Portions of Interstate 20 were closed near Loraine in Mitchell County, where a three inch deep snow pack covered the driving surface and resulted in a major accident. Several hundred vehicles were backed up on the interstate in northeastern Mitchell County by 08:00 CST. Meanwhile, in the western portions of the county, several semi-trucks overturned on slick highways. Accidents also were reported in Howard County. Snowfall totals across the Permian Basin included

Lamesa.....3 inches  
 Loraine.....3 inches  
 Seminole.....1 inch  
 Andrews.....1 inch  
 Big Spring...1 inch

### **TXZ047>048**

#### **Borden - Scurry**

<b>22</b>	<b>0230CST</b>								
	<b>1000CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Winter Storm</b>

Winter storm conditions developed over the northeastern Permian Basin of west Texas during the early morning hours of the 22nd. Heavy snowfall resulted in numerous traffic problems on area highways. Reported storm total accumulations included:

Gail.....6 inches  
 Snyder.....4 inches

The first of two winter storms to impact the region in the days prior to Christmas struck the Permian Basin of west Texas during the morning of the 22nd. An arctic airmass invaded much of the central United States on the 21st. Strong upper level jet stream winds developed over the southern periphery of this airmass by early on the 22nd. Ascending air associated with the jet combined with the cold airmass to produce a round of accumulating snowfall over west Texas. The heaviest accumulations were across the northeastern Permian Basin where slick and snow packed conditions resulted in major traffic problems along Interstate 20.

### **TXZ045>046-048**

#### **Gaines - Dawson - Scurry**

<b>23</b>	<b>2000CST</b>								
<b>24</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Winter Storm</b>

Heavy snow accompanied winter storm conditions over the northern Permian Basin of west Texas during the evening hours of the 23rd and the morning hours of the 24th. Snow accumulations reached depths of eight inches over parts of the northwestern basin. Reported storm total snow depths included:

Seminole...8 inches  
 Lamesa.....6 inches  
 Snyder.....4 inches

### **TXZ047-050>051-058>059**

#### **Borden - Andrews - Martin - Reeves County And Upper Trans Pecos - Loving**

<b>23</b>	<b>2200CST</b>								
<b>24</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Winter Weather/Mix</b>

Lesser snow accumulations occurred over the central and western Permian Basin and the Upper Trans Pecos region. Multiple traffic accidents were reported along portions of Interstate 20 in Reeves County were ice and a light snow cover caused hazardous driving conditions. Additional snow accumulations across the region included:

Gail.....2 inches  
 northern Martin County...2 inches  
 Andrews.....1 inch  
 Mentone.....1 inch  
 Orla.....1 inch  
 Pecos.....1 inch



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 2004

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property	Crops	

### TEXAS, West

The second winter storm to dump significant snowfall over portions of the Permian Basin within a two day period impacted the area late on the 23rd and early on the 24th. This as an outbreak of arctic air remained entrenched over the region.