

Storm Data and Unusual Weather Phenomena - February 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
(TX-Z021) PARMER				
	02/01/11 00:00 CST		0	Winter Storm
	02/01/11 10:00 CST		0	
(TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z042) GARZA, (TX-Z043) KENT, (TX-Z044) STONEWALL				
	02/01/11 00:00 CST		0.10M	Winter Weather
	02/04/11 08:00 CST		0	
(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z042) GARZA				
	02/01/11 22:00 CST	2	1.35M	Extreme Cold/Wind Chill
	02/04/11 13:00 CST	6	0	

Direct Fatalities: F36OU, M71OU

A winter storm impacted west Texas during the pre-dawn hours of the 1st, and marked the onset of a prolonged outbreak of arctic air in the Southern Plains. This invasion of arctic air brought the coldest temperatures experienced in more than a decade to the South Plains of west Texas, and was the first of two successive bitterly cold spells to impact the region during the first half of February.

Precipitation began to overspread portions of the South Plains during the late evening of January 31st and the early morning hours of the 1st. The precipitation quickly changed to snow during the pre-dawn hours of the 1st as the approach of the upper air storm system from the west ushered in the periphery of an expansive arctic airmass from the north. By mid-morning on the 1st, accumulating snows had fallen over much of the South Plains. The heaviest snow occurred over the extreme southwestern Panhandle, where 4 inch accumulations were observed. A secondary band of moderate snow developed along the passing front over the southeastern South Plains and southern Rolling Plains, and resulted in a corridor of 3 inch accumulations over portions of Garza and Kent Counties.

Reported snow accumulations follow:

Friona (Parmer County)...4 inches, Jayton (Kent County)...3 inches, Post (Garza County)...3 inches, Aspermont (Stonewall County)...2 inches, Brownfield (Terry County)...2 inches, Childress (Childress County)...2 inches, Crosbyton (Crosby County)...2 inches, Guthrie (King County)...2 inches, Lake Alan Henry (Garza County) 2 inches, Littlefield (Lamb County)...2 inches, Matador (Motley County)...2 inches, Memphis (Hall County)...2 inches, Muleshoe (Bailey County)...2 inches, Olton (Lamb County)...2 inches, Paducah (Cottle County)...2 inches, Plains (Yoakum County)...2 inches, Plainview (Hale County)...2 inches, Turkey (Hall County)...2 inches, Wolfforth (Lubbock County)...2 inches, Dickens (Dickens County)...1 inch, Dimmitt (Castro County)...1 inch, Floydada (Floyd County)...1 inch, Hart (Castro County)...1 inch, Levelland (Hockley County)...1 inch, Lubbock Preston Smith International Airport (Lubbock County)...1 inch, Morton (Cochran County)...1 inch, Tahoka (Lynn County)...1 inch, and Vigo Park (Swisher County)...1 inch.

Cold air built southward over west Texas in earnest following the passage of the early morning storm system on the 1st. The invading arctic air brought an extended period of dangerously cold and record low temperatures. Strong northerly winds exacerbated the situation and resulted in dangerous wind chills. The bitter cold claimed two lives on the South Plains. An elderly man became disoriented during a morning walk outside a nursing home in Brownfield (Terry County) and died from exposure during the early morning hours of the 3rd. A 36-year old woman also died from exposure in front of her Lubbock (Lubbock County) home after she slipped on ice around 09:00 CST on the 3rd. Doctors at a Texas Tech University medical facility also reportedly treated at least a half dozen students for frostbite and fall injuries resulting from ice on the 3rd. As temperatures finally began to warm above freezing by midday on the 4th, damage from bursting water lines became widespread. The worst damages occurred in Lubbock (Lubbock County), where the Metro Tower was evacuated due to leaking water and where a water main break at the intersection of 34th and Memphis caused street flooding. Numerous reports of smaller pipe breakage incidents were widespread across the city, and across the region. The Lubbock Fire Department responded to at least 50 incidences of severe water damage and flooding in homes and businesses. Almost 80 residents and homeless citizens sought help at emergency shelters. In Levelland (Hockley County), more than 600 students were evacuated when a water line ruptured and damaged three class rooms at Levelland Middle School. Hockley County officials additionally responded to an automobile accident along Texas Highway 114 near Levelland. Similar damages occurred across the South Plains, with newspaper articles citing property damage in Hale Center and Plainview (Hale County), Olton (Lamb County), and Springlake-Earth (Lamb County). Rolling electrical blackouts also were reported in Childress (Childress County). This as water and utility companies across the region reported record usage which strained systems. A list of sub-zero temperatures (F) recorded by the Texas Tech University West Texas Mesonet and National Weather Service cooperative observers during the arctic outbreak follows:

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Friona (Parmer County)...	-12, Muleshoe (Bailey County)...	-10, Dimmitt (Castro County)...	-9, Hart (Castro County)...	-4, Plainview (Hale County)...
-3, Silverton (Briscoe County)...	-3, Tulia (Swisher County)...	-3, Vigo Park (Swisher County)...	-3, Sundown (Hockley County)...	-3, Morton (Cochran County)...
-3, Anton (Hockley County)...	-2, Denver City (Yoakum County)...	-2, Floydada (Floyd County)...	-2, Littlefield (Lamb County)...	-2, Olton (Lamb County)...
-2, Abernathy (Hale County)...	-1, and Reese Center (Lubbock County)...	-1,		

A list of observed wind chill values below the -15 degrees (F) local warning criteria per the Texas Tech University West Texas Mesonet and area Automated Surface Observing Systems follows:

Dimmitt (Castro County)....-28, Friona (Parmer County)....-28, Hart (Castro County)....-26, Amherst (Lamb County)....-24, Morton (Cochran County)....-23, Olton (Lamb County)....-23, Tulia (Swisher County)....-23, Abernathy (Hale County)....-22, Levelland (Hockley County)....-22, Muleshoe (Bailey County)....-22, Reese Center (Lubbock County)....-22, Silverton (Briscoe County)....-22, Anton (Hockley County)....-21, Plainview (Hale County)....-21, Floydada (Floyd County)....-20, Sundown (Hockley County)....-20, Brownfield (Terry County)....-19, Denver City (Yoakum County)....-19, Post (Garza County)....-19 degrees, Wolfforth (Lubbock County)....-18, Lubbock's Preston Smith International Airport (Lubbock County)....-18, Ralls (Crosby County)....-18, Slaton (Lubbock County)....-18, Tahoka (Lynn County)....-18, Roaring Springs (Motley County)....-17, Turkey (Hall County)....-17, White River Lake (Crosby County)....-16, and Childress (Childress County)....-15.

A secondary upper air storm system ejected eastward over the Interstate 20 corridor of west and central Texas during the early morning hours of the 4th. A band of snow developed over portions of the central South Plains, generally along the Caprock escarpment. Light snow accumulations were observed. A list of reported snow accumulations follows:

Estelline (Hall County)....2 inches, Childress (Childress County)....1 inch, Dougherty (Floyd County)....1 inch, Ralls (Crosby County)....1 inch, Slaton (Lubbock County)....1 inch, and Tahoka (Lynn County)....1 inch.

The public impacts from the 1-4 February arctic air outbreak on the South Plains of west Texas were high. In all, 2 deaths and at least 6 injuries were blamed on the weather. Total economic losses were estimated to approach \$1.4 million.



Main Street was virtually abandoned on the morning of the 1st in Childress (Childress County) following the onset of winter weather and bitterly cold temperatures. Photo courtesy: Kelsey Engleman - Childress Index - Childress, Texas.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(TX-Z021) PARMER, (TX-Z023) SWISHER, (TX-Z024) BRISCOE				
	02/06/11 06:00 CST		0	Winter Storm
	02/06/11 17:00 CST		0	
(TX-Z022) CASTRO, (TX-Z025) HALL, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS, (TX-Z042) GARZA				
	02/06/11 08:00 CST		0	Winter Weather
	02/06/11 17:00 CST		0	
<p>Following the 1-4 February arctic air outbreak, a milder cold frontal passage accompanied by a Pacific-based upper air storm system impacted the area on the 6th. This storm system brought wintry precipitation and winter storm conditions to portions of the extreme southern Panhandle and the South Plains of west Texas.</p> <p>Precipitation began during the early morning hours of the 6th, and gradually transitioned to snow by 07:00 CST-08:00 CST. Virtually all locations across the South Plains saw snowfall during the course of the day. However, with temperatures that only fell to near or just slightly below freezing, accumulations were generally light, short-lived, and of little public impact. A few locales in the extreme southern Texas Panhandle, however, did see brief heavy snow accumulations.</p> <p>A list of reported snow accumulations follows: Happy (Swisher County)...4 inches, Rhea (Parmer County)...4 inches, Silverton (Briscoe County)...4 inches, Crosbyton (Crosby County)...3 inches, Earth (Lamb County)...3 inches, Farwell (Parmer County)...3 inches, Roaring Springs (Motley County)...3 inches, South Plains (Floyd County)...3 inches, Vigo Park (Swisher County)...3 inches, Abernathy (Hale County)...2 inches, Dimmitt (Castro County)...2 inches, Friona (Parmer County)...2 inches, Hart (Castro County)...2 inches, Lubbock's Preston Smith International Airport (Lubbock County)...2 inches, Matador (Motley County)...2 inches, Muleshoe (Bailey County)...2 inches, Olton (Lamb County)...2 inches, Plainview (Hale County)...2 inches, Shallowater (Lubbock County)...2 inches, Southland (Garza County)...2 inches, Turkey (Hall County)...2 inches, Dickens (Dickens County)...1 inch, Floydada (Floyd County)...1 inch, Lake Alan Henry (Garza County)...1 inch, Littlefield (Lamb County)...1 inch, Lubbock Science Spectrum (Lubbock County)...1 inch, Morton (Cochran County)...1 inch, Post (Garza County)...1 inch, Ropesville (Hockley County)...1 inch, Spur (Dickens County)...1 inch, and Tulia (Swisher County)...1 inch.</p>				
(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN				
	02/08/11 16:00 CST		0.25M	Extreme Cold/Wind Chill
	02/09/11 12:00 CST		0	
(TX-Z021) PARMER				
	02/08/11 21:00 CST		10K	Strong Wind (MAX 43 kt)
	02/08/11 21:00 CST		0	
(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE				
	02/08/11 22:00 CST		0	Winter Weather
	02/09/11 10:00 CST		0	
(TX-Z023) SWISHER				
	02/08/11 22:00 CST		0	Winter Storm
	02/09/11 10:00 CST		0	

Less than a week after the coldest air to impact the South Plains of west Texas in more than a decade had weakened its grip on the region, a second arctic airmass invaded the central and southern U.S. The cold front, enhanced along its advance southward through the plains by widespread snowpack, pushed across the South Plains of west Texas during the afternoon hours of the 8th. At 16:00 CST, the Texas Tech University West Texas Mesonet sites at Friona (Parmer County) and Lake Alan Henry (Garza County), separated by only 140 miles, reported temperatures of 5 degrees (F) and 65 degrees respectively. The front ushered in bitterly cold temperatures along with strong northerly winds sustained at speeds between 25 and 35 mph with gusts near 55 mph. These winds destroyed a carport at the Hamlin Memorial Methodist Church in Farwell (Parmer County). By late evening on the 8th, extremely cold temperatures and wind chills affected much of the South Plains region. The bitterly cold air persisted through midday on the 9th.

In addition to extreme cold, the passage of an upper air storm system brought snowfall to the region during the overnight hours of the 8th and the morning hours of the 9th. While heavy snow and blizzard-like conditions were widespread over the Texas Panhandle, most accumulations over the extreme southern Panhandle and the South Plains were light. The most significant impacts were reported in northern Swisher County where blowing snow reduced visibilities to near zero along Interstate 27 and Happy received 5 inch accumulations. Snow drifts were reportedly 32 inches deep over some Swisher County roadways.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A list of sub-zero temperatures (F) recorded by the Texas Tech University West Texas Mesonet and National Weather Service cooperative observers during the arctic outbreak follows:

Dimmitt (Castro County)...-4, Friona (Parmer County)...-4, Tulia (Swisher County)...-2, and Hart (Castro County)...-1.

A list of observed wind chill values below the -15 degrees (F) local warning criteria per the Texas Tech University West Texas Mesonet and area Automated Surface Observing Systems follows:

Dimmitt (Castro County)...-26, Hart (Castro County)...-26, Tulia (Swisher County)...-26, Friona (Parmer County)...-25, Silverton (Briscoe County)...-25, Muleshoe (Bailey County)...-23, Abernathy (Hale County)...-22, Morton (Cochran County)...-22, Olton (Lamb County)...-22, Plainview (Hale County)...-22, Amherst (Lamb County)...-21, Floydada (Floyd County)...-21, Memphis (Hall County)...-21, Turkey (Hall County)...-21, Anton (Hockley County)...-20, Matador (Motley County)...-20, Childress (Childress County)...-19, Levelland (Hockley County)...-19, Slaton (Lubbock County)...-19, Brownfield (Terry County)...-18, Denver City (Yoakum County)...-18, Lubbock's Preston Smith International Airport (Lubbock County)...-18, Paducah (Cottle County)...-18, Ralls (Crosby County)...-18, Tahoka (Lynn County)...-17, White River Lake (Garza County)...-17, and Guthrie (King County)...-15.

A list of reported snow accumulations follows: Happy (Swisher County)...5 inches, Dimmitt (Castro County)...3 inches, Friona (Parmer County)...3 inches, Tulia (Swisher County)...3 inches, Vigo Park (Swisher County)...3 inches, Childress (Childress County)...2 inches, Farwell (Parmer County)...2 inches, Plainview (Swisher County)...2 inches, Silverton (Briscoe County)...2 inches, Turkey (Hall County)...2 inches, Floydada (Floyd County)...1 inch, Hart (Castro County)...1 inch, Matador (Motley County)...1 inch, Muleshoe (Bailey County)...1 inch, Paducah (Cottle County)...1 inch, Roaring Springs (Motley County)...1 inch.

Numerous reports of frozen and broken water pipes were received, generally in the Lubbock (Lubbock County) vicinity. However, since the impacts of this arctic air were relatively short-lived, damages were not as extensive as those associated with the 1-4 February arctic airmass. Total economic loss was estimated at approximately \$260,000.



A pronounced solar halo display graced the sky over Plainview (Hale County) at sunrise on the 9th. Wind blown ice crystals in the bitterly cold air with temperatures near zero degrees (F) contributed to rare atmospheric optics. Photo courtesy: Richard Porter - Plainview Daily Herald - Plainview, Texas.

(TX-Z033) COCHRAN, (TX-Z035) LUBBOCK, (TX-Z039) YOAKUM

02/14/11 15:35 CST	20K	Wildfire
02/17/11 16:00 CST	0	

Critical fire weather persisted throughout the daytime hours during a prolonged period from the 14th through the 17th, when at least four significant wildfires occurred across the South Plains region of west Texas.

High winds and dry conditions allowed a fire to spread quickly from Texas Highway 114 north of Wolfforth around 15:35 CST on the 14th. Farm to Market Road 179 was closed temporarily due to the fire and blinding smoke. Flames damaged a home before it was extinguished.

A wildfire started southwest of Morton (Cochran County) around 12:30 CST on the 16th. The fire charred 5,000 acres of grassland before it was finally brought under control just around 18:00 CST.

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Another fire on the 16th burned about 300 acres and threatened three homes near Farm to Market Road 2378 just east of the Hockley and Lubbock County line during the 15:00 CST hour.

A wildfire also ignited near Texas Highway 214 just north of Plains (Yoakum County) around 13:15 CST on the 17th. At least one home and an outbuilding was threatened and saved, as the fire burned 640 acres.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A wind-driven grassland wildfire burned approximately 5,000 acres in Cochran County during the afternoon of the 16th. Photo courtesy: KCBD-TV - Lubbock, Texas.

LYNN COUNTY --- 1.0 NNW TAHOKA [33.19, -101.79]

02/24/11 03:00 CST	0	Hail (1.00 in)
02/24/11 03:00 CST	0	Source: Trained Spotter

Quarter size hail was reported near Tahoka.

KING COUNTY --- 2.0 N DUMONT [33.85, -100.52]

02/24/11 04:00 CST	0	Hail (1.00 in)
02/24/11 04:00 CST	0	Source: COOP Observer

Large hail impacted the Dumont vicinity around 04:00 CST. Observers did not directly witness the hailfall, but "sizable" hailstones remained on the ground seven to eight hours after the storm. A National Weather Service cooperative observer reported that bark was partially removed from trees. The event time was estimated based on radar. Hailstones during the storm were likely much larger.

Modest Gulf moisture was drawn northwestward over west Texas during the early morning hours of the 24th, this in advance of a fast moving upper air storm system that approached the region from the west. Showers and thunderstorms developed within the moist advection regime during the pre-dawn hours. Isolated storms intensified to severe levels and produced large hail.

(TX-Z034) HOCKLEY, (TX-Z040) TERRY

02/24/11 15:00 CST	0	Wildfire
02/25/11 14:00 CST	0	

(TX-Z040) TERRY

02/24/11 15:00 CST	5K	Strong Wind (MAX 43 kt)
02/24/11 15:00 CST	0	

In the wake of early morning showers and thunderstorms over the southeastern South Plains and Rolling Plains, a fast moving storm system translated over the west Texas region during the daytime hours of the 24th. The passage of this system brought an onset of warm and dry downslope winds. Sustained westerly winds in the 30 mph range with a few gusts near 50 mph were sufficient to down a power line near Wellman (Terry County) at approximately 15:00 CST. The line sparked a wildfire in grasslands that burned nearly 300 acres before it was extinguished around 18:00 CST.

Another wildfire ignited near Anton around 18:30 CST when farm equipment overheated. The fire burned intermittently until 14:00 CST on the 25th. Approximately 650 acres were charred by the fire.

Neither fire resulted in significant damages nor injuries.

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The glow from a significant wildfire lit the sky near Anton during the evening of the 24th. Photo courtesy: Sarah Dillingham - KLBK-TV - Lubbock, Texas.

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z039) YOAKUM, (TX-Z042) GARZA

02/27/11 11:50 CST		0.22M	High Wind (MAX 59 kt)
02/27/11 19:25 CST	1	0	

(TX-Z035) LUBBOCK

02/27/11 12:00 CST		0	Dust Storm
02/27/11 18:00 CST		0	

(TX-Z031) MOTLEY, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z037) DICKENS, (TX-Z042) GARZA, (TX-Z044) STONEWALL

02/27/11 12:10 CST		3.23M	Wildfire
02/28/11 12:00 CST	1	0	

The passage of an intense upper air storm system over the Southern Plains of the U.S. on the 27th caused high winds, blowing dust, and an outbreak of destructive grassland wildfires that affected portions of three states.

Locally on the South Plains of west Texas, intense southwest to westerly winds intensified rapidly in the hours around midday. These winds resulted in widespread blowing dust across region. Visibility at Lubbock's Preston Smith International Airport dropped to less than one-quarter mile in the dust storm. Similar dust storm conditions undoubtedly occurred at many South Plains locales, but went unreported. Damage brought on by the winds and resultant wildland fires were of much greater concern.

Shortly after 12:00 CST, winds caused power lines to arc in the 5600 block of 45th Street in Lubbock (Lubbock County). An urban-wildland

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fire quickly sparked and ran through yards and severely damaged six residences. Three homes, two sheds, two boats, and a vehicle were destroyed. A dog was killed, but no human casualties were reported. Lubbock fire fighters additionally fought a fire near the 400 block of East 50th Street around 15:00 CST. That fire, also started by wind-blown power lines, severely damaged 23 vehicles in an automotive repair lot.

Winds downed three power poles and lines into native grasslands southwest of Levelland (Hockley County) around 13:45 CST. The resultant wildfire charred 5,000 acres and destroyed two homes and damaged a third. Four vehicles and a fire engine were lost in the blaze.

Between 14:15 CST and 15:15 CST, at least two fires ignited in southern and western Motley County. The Matador Complex fires grew to consume more than 41,000 acres. U.S. Highway 62/70 was closed as the west-Matador fire, which started at a road-side park twelve miles west of Matador, rapidly spread eastward toward the town. An army of first responders invaded Matador to evacuate its residents toward a defensible area at the Motley County High School gymnasium. One fire fighter was treated for minor burns. At least two homes were severely damaged or destroyed on the southern extent of the city, and many outbuildings were burned. The community of Roaring Springs was additionally threatened without incident.

Around 15:45 CST, a wind-driven fire ignited at an airport just east of Post (Garza County). The fire quickly developed into a massive wildland fire that consumed 9,500 acres before it was contained around 23:00 CST. The fire destroyed a 20 foot by 30 foot telecommunications building which was valued at approximately \$2 million. A fire engine was partially burned.

Wind-driven wildfires also ignited near Spur and Afton (Dickens County) and near Aspermont (Stonewall County). These fires collectively accounted for between 5,000 acres and 10,000 acres burned and took a number of outbuildings. Additional and less significant fire starts were observed on the north rim of Tule Canyon near Lake MacKenzie in Briscoe County, in Bailey County, Childress County, and Hale County. In all, at least 11 wind-driven grassland wildfires impacted the extreme Southern Panhandle and the South Plains.

The high winds experienced in the Lubbock (Lubbock County) area during the afternoon hours caused extensive roof damage to an apartment complex near 1930 Baylor Street. One person was injured when a 30 foot by 30 foot section of the roof was blown off of the structure. Debris, which had previously covered three apartment units, struck several cars when it landed in an adjacent parking lot. A vehicle was additionally struck by airborne roofing material that peeled off of another Lubbock business elsewhere in the city.

A list of severe wind gusts measured by the Texas Tech University West Texas Mesonet, KVII-TV Schoolnet, and Automated Surface Observing Systems follows:

68 mph at Amherst (Lamb County), 65 mph at Lazbuddie (Parmer County), 63 mph at Hart (Castro County), 63 mph at Tulia (Swisher County), 61 mph at MacKenzie Reservoir (Briscoe County), 60 mph at Silverton (Briscoe County), 59 mph at Friona (Parmer County), 59 mph at Lubbock's Preston Smith International Airport (Lubbock County), 59 mph at Morton (Cochran County), 59 mph at Plainview (Hale County), 59 mph at Turkey (Hall County), 58 mph at Denver City (Yoakum County), and 58 mph at Graham (Garza County).

The winds and wildfires that impacted the South Plains region of west Texas on the 27th clearly had a significant public impact. Although two persons were injured, no fatalities were reported. Total economic losses were estimated near \$3.5 million.

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High winds downed utility poles and lines southwest of Levelland around 13:45 CST. Sparks from the lines ignited a destructive wind-driven grassland wildfire. Photo courtesy: Mike Turner - National Weather Service - Lubbock, Texas.