

## Storm Data and Unusual Weather Phenomena - February 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

### TEXAS, South Panhandle

(TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z038) KING, (TX-Z044) STONEWALL	02/01/15 00:00 CST		0	Drought
	02/27/15 23:59 CST		0	

Following periodic rounds of mostly light precipitation, severe (D2) to extreme (D3) drought conditions remained unchanged across the far southeast Texas Panhandle and portions of the Rolling Plains by the end of February. Agricultural interests still fared well given decent topsoil moisture. Winter wheat, pastures and rangelands were reported in fair to good condition. However, deep soil moisture was generally below average throughout Childress and Cottle Counties where the long-term drought has been less reluctant to ease its grip compared to locations farther south and west. Fire weather concerns were low this month thanks in large part to very few breezy or windy days coinciding with periods of above normal warmth and low relative humidities.

(TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN	02/16/15 20:00 CST		0	Winter Weather
	02/17/15 06:00 CST		0	

A quick moving upper level impulse affected the region late on the 20th into the early morning hours of the 21st. Most areas did not observe any precipitation due to a very dry low level atmosphere. However, areas across the southwestern South Plains saw a few inches of snow accumulation where moisture was sufficient enough for precipitation to reach the ground.

Snowfall totals are from National Weather Service Cooperative Weather Observers:

2.5 inches at Denver City (Yoakum County), 1.5 inches at Plains (Yoakum County), 1.2 inches at Brownfield (Terry County), 1.0 inches at Tahoka (Lynn County).

(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-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z042) GARZA, (TX-Z043) KENT, (TX-Z044) STONEWALL	02/22/15 08:18 CST		0.50M	Winter Weather
	02/23/15 12:00 CST		0	

Following an arctic front on the morning of the 22nd, periods of freezing drizzle and sleet created icy stretches mainly across the South Plains and Rolling Plains. Enough moisture and lift in the Rolling Plains even led to the development of several elevated thunderstorms this morning. During the overnight of the 22nd into the 23rd, a deeper fetch of subtropical moisture arrived and produced a second round of wintry precipitation mostly in the form of light snow and some sleet. Although most snow accumulations were generally light and at or below 1 inch, roads became hazardous for Monday morning commuters. Following at least two dozen vehicle accidents on Sunday in Lubbock County alone (one fatal accident occurred in Hale County), a surge of accidents occurred from Sunday night through Monday morning with 84 wrecks reported. The majority of these accidents occurred in the Lubbock area with at least two serious injuries reported by the Lubbock Police Department.

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z027) BAILEY, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS	02/27/15 00:00 CST		0	Heavy Snow
	02/27/15 14:00 CST		0	

(TX-Z023) SWISHER, (TX-Z025) HALL, (TX-Z028) LAMB, (TX-Z033) COCHRAN, (TX-Z039) YOAKUM, (TX-Z044) STONEWALL	02/27/15 00:30 CST		0	Winter Weather
	02/27/15 14:00 CST		0	

Following a modified arctic cold front the evening prior, an approaching trough aloft generated two separate bands of heavy snow shortly after midnight CST. The first band fell over the far northwest South Plains and southwest Texas Panhandle with a second and narrower band that impacted parts of the South Plains east into the northern Rolling Plains. The latter of these mesoscale snow bands proved quite intense at times and produced snow burst rates measured at 1.6 inches per hour by on-duty NWS employees in south Lubbock. This intense snowfall shifted east of the Lubbock metro area well before the brunt of morning commuters hit the roads, although a few dozen minor vehicle accidents were still noted in Lubbock alone. Fortunately, this number could have been much higher had many area schools and businesses not closed for the day.

List of notable snow measurements from this event:

## Storm Data and Unusual Weather Phenomena - February 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
5.0 inches at Lubbock Int'l Airport (Lubbock County), Lubbock NWS Office (Lubbock County), Matador (Motley County), Muleshoe (Bailey County), and Roaring Springs (Motley County),				
4.8 inches at Levelland (Hockley County),				
4.5 inches at Shallowater (Lubbock County) and Crosbyton (Crosby County),				
4.0 inches at Friona (Parmer County), Hart (Castro County), Paducah (Cottle County), Spur (Dickens County), and 6NNW Ropesville (Hockley County),				
3.0 inches at Plains (Yoakum County), Olton (Lamb County), Tulia (Swisher County), Denver City (Yoakum County), and Turkey (Hall County),				
2.5 inches at Aspermont (Stonewall County).				