

**FEBRUARY 2016
VOLUME 58
NUMBER 2**

STORM DATA



**AND UNUSUAL WEATHER PHENOMENA
WITH LATE REPORTS AND CORRECTIONS**



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION

Storm Data and Unusual Weather Phenomena

February 2016

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
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ALABAMA, Central

Pickens County

1 WNW Dancy
2 NNW Owens

02	1634CST								
	1709CST	26.2	1200	0	1	0.00K	0.00K	Tornado (EF2)	

National Weather Service meteorologists surveyed damage in Pickens County and determined that the damage was consistent with an EF-2 tornado. Maximum winds were estimated to be around 135 mph. The tornado first touched down in southwestern Pickens County south of AL Hwy 32 and west of County Road 87. From there, it continued on a northeastward path across a large part of Pickens County. The tornado was caught live on Camera by local media just after it crossed the intersection of Hwy 32 and County Road 1, just west of Cochrane. It continued northeast to the Cochrane Campground on the Tombigbee River, where scores of trees were snapped, causing minor damage to one of the buildings on the campground. The tornado first reached EF-2 magnitude as it crossed private wooded land just south of County Road 78 snapping and uprooting hundreds of trees. As the tornado crossed Huff-Barnett Road, it mowed down a wide swath of trees, with a distinct classic convergence pattern of tree fall just east of Beaver Creek. The tornado continued northeastward across Al Hwy 14 causing damage to the federal prison, and then moved on to the Martin Luther King Road/Sapp community northwest of Aliceville. Here, the tornado reached its highest rated damage. Many of the homes in this portion of the Sapp community received some extent of damage, and several were destroyed. From there, the weakening tornado continued northeastward roughly parallel to AL Hwy 17 over open and forested rural Pickens County until it passed just west of Carrollton. The tornado reintensified and broadened somewhat, with a more significant tree-fall causing damage to a few homes on the west side of Carrollton. The tornado continued on the same northeastward path gradually weakening over rural areas before lifting near Herbert Windle Road southwest of Reform.

Fayette County

7 W Newtonville
3 ESE Belk

02	1736CST								
	1745CST	6.12	500	0	0	0.00K	0.00K	Tornado (EF1)	

National Weather Service meteorologists surveyed damage in Fayette County and have determined that the damage was consistent with an EF-1 tornado. Winds were estimated to be around 90 mph. The tornado touched down along Ashcraft Corner Cutoff and tracked northeast almost paralleling Alabama Highway 159 between County Roads 1 and 2. It then continued northeast along Owens Road before lifting along County Road 4. The damage consisted mainly of snapped and uprooted trees. The only structural damage found along the path was minor shingle and porch damage to one residence at the intersection of Alabama Highway 159 and Summers Drive.

Lamar County

4 S Beaverton

02	2010CST								
	2016CST	4.13	400	0	0	0.00K	0.00K	Tornado (EF1)	

National Weather Service meteorologists surveyed damage in northern Lamar County and have determined that the damage was consistent with an EF-1 tornado. Winds were estimated to be around 105 mph. The tornado touched down along Christain Road near Taylor Springs Road. It moved north-northeast and caused major roof damage to one residence at the intersection of Pond Road and Garrison Road. From there, the tornado turned more to the northeast snapping and uprooting trees as it crossed County Road 49, Piney Grove Road, Pinewood Circle, and Turkey Branch Road. One residence on Pinewood Circle sustained minor shingle damage. The tornado continued northeast causing only tree damage until it lifted along Sorghum Hollow Road.

Pickens County

3 W Melrose

02	2302CST								
	2308CST	4.18	1400	0	0	0.00K	0.00K	Tornado (EF0)	

National Weather Service meteorologists surveyed damage in Pickens County and have determined that the damage was consistent with an EF-0 tornado. Winds were estimated to be around 85 mph. The tornado touched down between Keasler Road and Heritage Road just north of the railroad tracks. It moved northeast crossing County Road 30, County Road 35, U.S. Highway 82, and Price Road Causing only tree damage. The tornado lifted before reaching County Road 45.

Lamar County

1 WSW Crews

02	2330CST								
03	0030CST			0	0	0.00K	0.00K	Flash Flood	

The Fire Department reported up to one foot of water flowing across Waterworks Road near the intersection of Highway 278.

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ALABAMA, Central

Greene County

2 N Miller

02	2348CST 2350CST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Approximately 20 to 30 trees uprooted by high winds.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Hale County

1 NW Akron

03	0010CST 0030CST				0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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One single family residence and several outbuildings damaged in the town of Akron. Numerous trees uprooted across Hale County.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Etowah County

1 NW Ord

03	0220CST 0222CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Four homes on Riverside Drive in the city of Gadsden received minor damage, including loss of shingles and siding blown off. Power lines downed in the same area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Perry County

2 SSE Radford

3 SSW Levert

03	0330CST 0530CST				0	0	0.00K	0.00K	Flash Flood
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Several roads flooded and impassable across eastern Perry County. Roads flooded include County Road 30, County Road 64, and County Road 49.

A strong upper level system developed over the Central Plains and a surface low moved from the Mid Mississippi Valley into the Great Lakes. Although this was well removed from Central Alabama, the system was strong enough that winds at the surface and aloft increased significantly. This produced high wind shear. The combination of the high precipitable water values and unseasonably warm temperatures produced very unstable conditions across central Alabama. A cold front approached the region late Tuesday afternoon into Tuesday evening, a few supercell thunderstorms developed. Eventually, the storms became organized into a line and produced heavy rainfall and flash flooding.

Montgomery County

3 SSW Mathews

15	1600CST 1605CST		2.46	75	0	0	0.00K	0.00K	Tornado (EF0)
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National Weather Service meteorologists surveyed damage in northeastern Montgomery County and determined that the damage was consistent with an EF-0 tornado. Winds were estimated to be around 80 mph.

The tornado first touched down just south of Lawson Road, where it toppled 2 trees. It then proceeded northeast and paralleled Lawson Road. As the tornado approached Flowers Road, additional damage occurred to a metal building, where a portion of the roof and side panels were removed. Here, the tornado was at its strongest point with winds estimated at 80 mph. Roughly 300 yards past Flowers Road, additional 80 mph winds associated with the tornado collapsed another outbuilding. The tornado continued northeast, and additional large limbs were down until the tornado lifted before reaching Dani Lane.

Pike County

Goshen

15	1759CST 1802CST				0	0	0.00K	0.00K	Thunderstorm Wind (65EG)
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Large trees down near Goshen High School.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Pike County

1 NW Hamilton Xrds

4 SE Brundidge Muni Arpt

15	1820CST 1826CST		4.98	400	0	0	0.00K	0.00K	Tornado (EF1)
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Storm Data and Unusual Weather Phenomena

February 2016

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ALABAMA, Central

National Weather Service meteorologists surveyed damage in southern Pike County and determined that the damage was consistent with an EF-1 tornado. Winds were estimated to be around 105 mph.

The tornado formed along a QLCS and first touched down over an area of clear-cut forest just northwest of AL Hwy 125, approximately 1.5 miles west-southwest of U.S. Hwy 231. Shortly after touching down, it reached its peak wind speeds of approximately 105 mph, where it uprooted or snapped 50 to 100 pine trees across a path that approached AL Hwy 125. A mobile home was destroyed and a home was damaged due to the falling trees. It continued east-northeast and crossed U.S. Hwy 231 about 9/10 of a mile south of the intersection of AL Hwy 125 and U.S. Hwy 231. The tornado caused minor roof damage to a home along U.S. Hwy 231, and then destroyed a partially covered horse arena before crossing an open field and snapping numerous trees along the tree line. From there, the tornado crossed Pike County Road 4423 and continued on the same path as it crossed Pike County Road 4421. Numerous trees were snapped or uprooted at both locations. The tornado appeared to broaden and weaken rapidly after crossing County Road 4421.

Barbour County

2 NW Lindsey

15	1844CST 1846CST				0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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Metal roofing peeled off chicken houses.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Russell County

3 N Uchee

2 NW Hugley

15	1857CST 1904CST	6.8	400	0	0	0.00K	0.00K	Tornado (EF1)
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National Weather Service meteorologists surveyed damage in northwestern Russell County and determined that the damage was consistent with an EF-1 tornado. Winds were estimated to be around 90 mph.

The tornado touched down just southwest of Huguley Road, where it quickly intensified and snapped or uprooted numerous trees. The tornado achieved maximum intensity at this location, with winds around 90 mph. The most concentrated tree damage to mostly softwood trees was also observed. Moving quickly northeastward, the tornado crossed Capps Road, Phillips Road, Willis Valley Road, and Herring Road. A large steel truss shed was completely destroyed on Herring and lofted upward over power lines. An adjacent single family home sustained shingle damage, and a brick chimney collapsed. These were the only structures damaged in this tornado. Continuing northeastward, the tornado crossed U. S. Highway 80. Sporadic tree damage was noted along Green Dudley Road before ending at Thomas Road.

Russell County

1 SW Unland

15	1900CST 1901CST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Several trees and power lines down on a home and vehicle.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Russell County

2 SE Unland

1 NNW Crawford

15	1900CST 1907CST	6.58	250	0	0	0.00K	0.00K	Tornado (EF0)
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National Weather Service meteorologists surveyed damage in northern Russell County and extreme southern Lee County and determined that the damage was consistent with an EF-0 tornado. Winds were estimated to be around 75 mph.

The tornado touched down just southwest of Padgett Road in northwestern Russell County, where sporadic tree damage was noted. As the tornado continued northeastward, the most significant tree damage was observed along Brown Road, where numerous trees were uprooted or snapped in a sporadic pattern. The tornado paralleled Brown Road for several miles, where a few homes sustained shingle damage. An outbuilding along Brown Road just southwest of Crawford sustained heavy roof damage. An uninhabited single family home sustained damage as a large cedar tree fell onto it just north of Crawford along Bleeker Road. The final tree damage from the tornado was noted just inside the Lee County line along County Road 179.

Russell County

3 NW Hugley

15	1903CST 1904CST				0	0	0.00K	0.00K	Thunderstorm Wind (70EG)
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Numerous trees snapped and uprooted along Thomas Road.

Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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ALABAMA, Central

Russell County

2 NNW Hugley

15	1905CST 1906CST				0	0	0.00K	0.00K	Thunderstorm Wind (70EG)
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Barn destroyed and numerous trees and power lines downed.

Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Lee County

2 SSW J C Meadows Xrds

15	1907CST 1908CST	0.51	250	0	0	0.00K	0.00K	Tornado (EF0)
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National Weather Service meteorologists surveyed damage in northern Russell County and extreme southern Lee County and determined that the damage was consistent with an EF-0 tornado. Winds were estimated to be around 75 mph. This tornado was a continuation of a tornado that moved out of Russell County.

Barbour County

1 NW Eufaula

15	1916CST 1918CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Numerous trees uprooted around the city of Eufaula.

A sharp 500 MB upper trof shifted eastward along the Lower Mississippi Valley. As the upper trof approached the Mississippi River, a surface low developed over southern Mississippi and deepened as it tracked northeast into central Alabama. A mixture of high precipitation (HP) supercells and line segments developed and consolidated into a quasi-linear convective system (QLCS) south of Interstate 85 and east of Interstate 65, producing straight-line wind damage and four tornadoes. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Pickens County

**2 ENE Reform No Pickens Ar
1 S Palmetto**

23	1622CST 1631CST	4.8	150	0	0	0.00K	0.00K	Tornado (EF0)
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National Weather Service meteorologists surveyed damage northeast of the city of Reform and determined that the damage was consistent with an EF-0 tornado. Maximum winds were estimated to be around 85 mph. The tornado touched down in a wooded area near Wild Goose Creek, due south of the intersection of Ollie Bonner Road and Pickens County Road 49. From there, it moved on a slightly west of due north path as it crossed CR-49 and CR-3. The tornado ultimately lifted just north of where Beaver Creek Road crosses over Beaver Creek. The tornado remained over a rural and wooded area through almost its entire path, and damage largely consisted of trees that were either uprooted or snapped. In the area near Ollie Bonner Road and CR-49, one home and one shed each received minor roof damage.

Marion County

5 SW Wiginton

23	1801CST 1805CST	2.22	300	0	0	0.00K	0.00K	Tornado (EF1)
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National Weather Service meteorologists surveyed damage in northern Marion County just southwest of the city of Hackleburg and determined that the damage was consistent with an EF-1 tornado. Maximum winds were estimated to be around 95 mph. The tornado touched down just south of the intersection of Robert Dyer Road and Howell Road, just off of US Hwy 43 southwest of Hackleburg. From there, the tornado moved on a north-northwest path and crossed Spurgen Dyer Road and Marion County Road 41. The tornado ultimately lifted after it crossed State Rock Road, just east of CR-32. Damage along the path was largely limited to trees that were either uprooted or snapped. A garage near the start of the path had part of its tin peeled back, and one home near the intersection of CR-41 and CR-167 received minor damage to its roof.

Sumter County

5 S Siloam

23	1847CST 1848CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees uprooted near the intersection of County 9 and County 10.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Etowah County

**Gadsden
3 S Sonoma**

23	2300CST			0	0	0.00K	0.00K	Flash Flood
24	0100CST			0	0	0.00K	0.00K	Flash Flood

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ALABAMA, Central

Several streets in the city of Gadsden flooded. A vehicle was partially submerged on 11th Street. Water across roadway on Tuscaloosa Avenue and at the intersection of Hoke Street and Stillman Avenue. Intersection of 6th Street and 6th Place impassable. Intersection of Pilgrims Rest and South Villaey Avenue impassable.

Shelby County

**3 NE Shelby Spgs
3 WSW Columbiana**

24	0404CST								
	0405CST	1.11	80	0	0	0.00K	0.00K	Tornado (EF0)	

National Weather Service meteorologists surveyed damage in southern Shelby County just southwest of the city of Columbiana and determined that the damage was consistent with an EF-0 tornado. Maximum winds were estimated to be around 75 mph. The tornado touched down along CR-97 near the intersection with CR-314. It then moved east-northeast over a largely rural and wooded area and crossed a small portion of CR-305 and Golden Rd before lifting along Peaceful Valley Rd. The majority of the damage consisted of snapped or uprooted trees. There was minor roof damage to a residence on CR-97, and a mobile home at the end of Golden Rd was partially shifted off its foundation.

Shelby County

2 E Nelson

24	0414CST								
	0416CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	

Several trees uprooted. One fell on a house and another on a barn. Power lines downed in same area. One tree snapped.

A trough of low pressure at 500 milibars was analyzed near the New Mexico and Texas border. A weak shortwave trough was also analyzed across northwest Mississippi. At the surface, a stationary front was draped from McComb, Mississippi, eastward to near a Tuscaloosa to Anniston, Alabama line. A surface low began to deepen over east Texas producing strengthening low level wind fields. Despite limited surface based instability over central Alabama due to persistent low clouds, the atmosphere was characterized by deep shear and increasing instability aloft. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

ALABAMA, North

Lawrence County

1 NW Moulton

02	2125CST								
03	0000CST			0	0	0.00K	0.00K	Flood	

A spotter reported water making it into a home near Moulton.

A potent storm system which produced a large tornado in central Alabama remained active through early Wednesday. While thunderstorm activity was very minor in North Alabama, heavy and persistent rainfall caused some minor flash flooding concerns. Reports of 3 of rain in several location with high soil moisture caused small creeks and poor drainage areas to flood. A flash flood warning was issued for Franklin, Morgan, and Lawrence Counties.

ALZ007>010

Dekalb - Jackson - Marshall - Morgan

09	0450CST								
	1035CST			0	0	0.00K	0.00K	Winter Weather	

A powerful cold front and upper level disturbance produced bands of snow showers during the evening of the 8th through the evening of the 10th. Snowfall amounts of an inch or less were received in north central and northeast Alabama, with a dusting to a half inch in northwest Alabama. A few isolated spots on Brindley Mountain in Morgan and Marshall Counties downstream of a lake effect band off Wheeler Lake received 1-2 inches.

ALZ010

Dekalb

15	0500CST								
	1400CST			0	0	0.00K	0.00K	Winter Weather	

Light freezing rain produced a light glaze on trees, powerlines, and other elevated objects atop Lookout Mountain during the morning and early afternoon of the 15th.

Morgan County

1 SSE Falkville

15	1903CST								
	2200CST			0	0	0.00K	0.00K	Flash Flood	

Three adults and two children were rescued from flood waters along Douglas Road between Piney Grove Street and West Piney Grove Road.

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ALABAMA, North

After heavy rainfall, flash flooding occurred along Robinson Creek just southeast of Falkville.

ALZ009

Jackson

24	0009CST 0010CST				0	0	0.00K	0.00K	High Wind
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Dekalb County 1 WSW Arona

24	0106CST 0300CST				0	0	0.00K	0.00K	Flood
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A bridge was reported to be submerged by flood waters along County Road 386.

Dekalb County 2 NW Stamp

24	0116CST 0300CST				0	0	0.00K	0.00K	Flood
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Wright Road in Henager, Alabama was closed due to up to 12 inches of water flooding the road.

Cullman County 3 NE Centerville

24	0145CST 0146CST				0	0			Thunderstorm Wind (52EG)
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Multiple trees were downed by thunderstorm winds along Highway 31 near the Cullman and Morgan County, Alabama line.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

ALZ010

Dekalb

24	0152CST 0153CST				0	0			High Wind
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Marshall County 2 SW Albertville Muni Arp

24	0620CST 0900CST				0	0	0.00K	0.00K	Flood
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Around a foot of water was over a bridge along White Oak Road around 5 miles southwest of Albertville, Alabama.

A strong low pressure system moved northeast through Mississippi and across the northwest tip of Alabama during the overnight hours of the 23rd into the 24th. Bands of moderate to heavy showers and a few thunderstorms occurred ahead of this cold front and low across north Alabama. A wake low was generated behind one of the heavier precipitation bands and spread gusty winds of 35 to 50 mph across central into northeast Alabama during a period from approximately 10 pm through 1 am LST. Winds gusted up to 60 mph at one location downing multiple trees. Emergency management and media received several reports of trees and power lines being knocked down in these areas, with power outages reported. Gusty winds of 25 to 40 mph continued through the morning hours, with a few more reports of power outages.

ALABAMA, Southeast

Coffee County 2 ENE Pine Level

15	1805CST				0	0	20.00K	0.00K	Thunderstorm Wind (50EG) Trees were blown down near the Coffee County Lake with a car damaged from the falling trees. Damage cost was estimated.
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Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Coffee County Bluff Springs

15	1810CST				0	0	3.00K	0.00K	Thunderstorm Wind (50EG) Trees and power lines were blown down in the northwest part of Coffee county.
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Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

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ALABAMA, Southeast

Coffee County

1 NNE Basin

15	1815CST				0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down on Highway 189 about 5 miles outside of Elba. Power lines were also blown down.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Coffee County

1 W Arcus

15	1817CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down on Highway 125 between Elba and Highway 167.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Coffee County

Tabernacle

15	1830CST				0	0	3.00K	0.00K	Thunderstorm Wind (55EG)
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Multiple trees and power lines were blown down in the area.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Dale County

1 N Greater Old Salem Church

15	1840CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down onto County Road 5 near the intersection with County Road 245.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Dale County

1 NNE Arguta

15	1849CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down onto East County Road 19 near the intersection with County Road 70.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Henry County

4 S Edwin

15	1905CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down onto County Road 75.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Geneva County

1 N Slocomb

15	1915CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down onto State Highway 52 in Slocomb.

A strong upper level trough and cold pushed through the region during the evening of February 15th. Ahead of it, a squall line progressed across the area with reports of damaging wind gusts, mainly in the form of trees and power lines blowing down.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Geneva County

2 SW Lytle

23	2139CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down across Johnny Johnson Road near Open Pond Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Geneva County

Lytle

23	2140CST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down across County Road 65.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Geneva County

1 NW Geneva

23	2155CST				0	0	5.00K	0.00K	Thunderstorm Wind (55EG)
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Numerous trees were blown down in the area along with numerous power outages reported by the Wiregrass Electric Coop.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Geneva County

Hartford

23	2205CST				0	0	10.00K	0.00K	Thunderstorm Wind (60EG)
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Roof damage was reported in Hartford. Damage cost was estimated.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Houston County

1 ESE Wicksburg

2 SSW Hollis Dairy Rd

23	2215CST				0	0	50.00K	0.00K	Tornado (EF0)
	2219CST	2.76	200		0	0			

This was a weak tornado just north of the Houston and Geneva county border. It removed metal roofing from several barns and porches. Multiple trees were blown down. This tornado was rated EF0 with max winds estimated near 70 mph. Damage cost was estimated.

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February 2016

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ALABAMA, Southeast									
Geneva County									
3 SE Hartford	23	2220CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down across County Highway 105.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Houston County									
2 NE Hollis Dairy Rd	23	2224CST							
2 WNW Brannon Stand		2228CST	1.01	200	0	0	0.00K	0.00K	Tornado (EF1)
	This was the second tornado to develop in northwest Houston county, spawned by the same parent thunderstorm. After initially developing in Houston county, the tornado crossed into extreme southeast Dale county before moving back into Houston county in the Murphy Mill Road area. There was a small area of EF1 damage along Murphy Mill Road where many large diameter pine trees were snapped and uprooted. This tornado likely lifted before reaching U.S. Highway 231. This tornado was rated EF1 with max winds estimated near 100 mph.								
Houston County									
1 N Brannon Stand	23	2228CST							
3 E Kelly Springs		2235CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	Power lines were blown down on Murphy Mill Road as well as near Technology and Westgate.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Houston County									
1 E Brannon Stand	23	2228CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down onto John D Odom Road near West Main.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Dale County									
1 SSE Currytown	23	2228CST							
		2229CST	1.79	200	0	0	0.00K	0.00K	Tornado (EF0)
	This is the Dale county segment of the second tornado to develop in northwest Houston county, spawned by the same parent thunderstorm. After initially developing in Houston county, the tornado crossed into extreme southeast Dale county before moving back into Houston county in the Murphy Mill Road area. This tornado was rated EF0 for the Dale portion of the track as the only EF1 damage found was found in Houston county.								
Houston County									
1 NNW Brannon Stand	23	2229CST							
Kelly Springs		2230CST	2.03	200	0	0	0.00K	0.00K	Tornado (EF1)
	This is the second Houston county segment of the second tornado to develop in northwest Houston county, spawned by the same parent thunderstorm. After initially developing in Houston county, the tornado crossed into extreme southeast Dale county before moving back into Houston county in the Murphy Mill Road area. There was a small area of EF1 damage along Murphy Mill Road where many large diameter pine trees were snapped and uprooted. This tornado likely lifted before reaching U.S. Highway 231. This tornado was rated EF1 with max winds estimated near 100 mph.								
Houston County									
Kelly Springs	23	2231CST							
		2234CST	1.63	350	0	0	50.00K	0.00K	Tornado (EF1)
	This was the third tornado to develop in northwest Houston county, spawned by the same thunderstorm. Damage was focused at the athletic center of a private school and a nearby neighborhood. A concrete block baseball dugout was destroyed and several wood power poles were snapped. Multiple homes had minor roof damage. This tornado was rated EF1 with max winds near 100 mph. Damage cost was estimated.								
Houston County									
1 E Kelly Springs	23	2232CST			0	0	5.00K	0.00K	Thunderstorm Wind (55EG)
	WTVY reported damage to the northside Walmart with damage to the roof and doors. There were also reports of power lines and trees down in the area.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

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

Houston County 2 E Kelly Springs 3 WNW Kinsey

23	2234CST 2239CST	3.66	900	0	0	75.00K	0.00K	Tornado (EF1)
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This was the fourth tornado to develop in northwest Houston county, spawned by the same thunderstorm. The tornado began just south of Westgate Parkway, and then quickly intensified, snapping 5 power poles near Westgate Parkway and Technology Drive. Several houses in nearby neighborhoods had some roof damage and a barn also had roof damage. The remainder of the track was mostly tree damage with the tornado ending just south of the Henry-Houston county border, still in Houston county. This tornado was rated EF1 with max winds estimated near 100 mph. Damage cost was estimated.

Henry County 2 W Headland

23	2238CST 2240CST	1.09	300	0	0	50.00K	0.00K	Tornado (EF1)
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This tornado was the fifth tornado to be spawned by the same parent thunderstorm in southeast Alabama, this time in Henry county. The tornado initially developed near CR-83 and the city limits of Headland, where large trees were uprooted. The tornado crossed a wooded area near a creek and then ended near Knowles Road and CR-16 where a house had roof damage, an RV was overturned, a shed was destroyed, and some large trees were uprooted. This tornado was rated EF1 with max winds estimated near 100 mph. Damage cost was estimated.

Henry County 3 W Miller

23	2254CST 2255CST	0.4	100	0	0	0.00K	0.00K	Tornado (EF0)
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A short tornado track was determined along CR-53 just north of its intersection with CR-26. This was a concentrated area of damage with large trees uprooted and snapped near a residence. One of the trees had a small amount of debarking with large limbs removed. This tornado was rated EF0 with max winds estimated at 85 mph.

Houston County Rehobeth

23	2300CST			0	0	50.00K	0.00K	Thunderstorm Wind (60EG)
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Roof damage occurred to some homes in the Rehobeth area. Damage was estimated.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Henry County 1 NW Hardwickburg

23	2302CST 2303CST	0.5	150	0	0	0.00K	0.00K	Tornado (EF1)
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A short tornado path was observed along CR-65 just to the east of its intersection with Highway 95. Many large trees were snapped or uprooted along this short path. This tornado was rated EF1 with max winds estimated around 105 mph.

Houston County Columbia

23	2320CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down near a residence in Columbia.

An unusually strong upper level trough and area of low pressure moved across the southeast states during the Feb 23-24 period, bringing with it numerous reports of wind damage and tornadoes. The low level jet was particularly strong with very strong 0-1 km shear values in excess of 60 knots. The 0-1 km helicity values were in excess of 1000 m²/s² in some areas with CAPE values around 500 j/kg. There were a total of 11 tornadoes across southeast Alabama and southwest Georgia, including 9 EF1 tornadoes and 2 EF0 tornadoes. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

ALABAMA, Southwest

Mobile County 5 SSW Mobile

03	0419CST 0421CST			0	0	10.00K	0.00K	Thunderstorm Wind (52EG)
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NWS storm survey confirmed the damage located on Demetropolis Road near US Highway 90 was the result of straight line winds near 60 mph. The winds resulted in roof damage and a broken window at the Red Cross building with sporadic facade damage to the rest of the building complex. A large metal sign was blown down at the Seafood Market across the street. A few trees were uprooted and numerous small to large tree branches were blown down.

A strong cold front moved across the area. Ahead of the front a line of showers and thunderstorms moved across. The stronger storms produced damaging winds which caused damage in southwest Alabama. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Washington County Yarbo

15	1114CST 1115CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail reported in Yarbo.

Washington County 6 WSW Yarbo

15	1202CST				0	0	0.00K	0.00K	Hail (1.00)
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Washington County 6 WSW Yarbo

15	1202CST 1203CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail was reported in Laton Hill.

Washington County Yarbo

15	1214CST				0	0	0.00K	0.00K	Hail (1.00)
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ALZ052

Washington

15	1215CST				0	0	5.0K	0.00K	Strong Wind
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Clarke County Thomasville

15	1255CST				0	0	0.00K	0.00K	Funnel Cloud
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Conecuh County Evergreen

15	1350CST				0	0	0.00K	0.00K	Hail (0.75)
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Clarke County 1 NNE Jackson

15	1352CST				0	0	0.00K	0.00K	Hail (1.00)
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Wilcox County 4 WNW Oakhill

15	1358CST 1400CST				0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Trees down in rose bud along County Road 51.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Clarke County 5 NE Jackson

15	1400CST 1402CST				0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Clarke county EMA reports trees down near the intersection of Walker Springs Road and Rabbit Creek Road.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Clarke County Gainestown

15	1424CST				0	0	0.00K	0.00K	Hail (1.00)
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Butler County 2 E Forest Home

15	1445CST				0	0	0.00K	0.00K	Hail (0.75)
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Wilcox County 6 S Pine Hill

15	1514CST 1516CST				0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph downed trees along Crawford and CR 1.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Choctaw County 6 SW Needham

15	1523CST 1525CST				0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph downed multiple trees on Melvin Cutoff Road.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
ALABAMA, Southwest									
Choctaw County									
Isney	15	1523CST 1525CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees and power lines. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Washington County									
4 NNW Chatom	15	1527CST 1529CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed power lines along Frank Scruggs Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Choctaw County									
4 WSW Butler	15	1530CST 1532CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees and power lines along Bailey Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Choctaw County									
2 NNW Butler	15	1533CST 1535CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees and power lines in the Lake Lavada Subdivision. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Choctaw County									
Pennington	15	1541CST 1543CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees and power lines. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Clarke County									
Grove Hill	15	1546CST 1548CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees along Mile marker 13/14 on Highway 69. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Escambia County									
Wahl 1 NNW Pollard	15	1550CST 1555CST	3.88	300	0	0	750.00K	0.00K	Tornado (EF2)
									This tornado was produced from an isolated supercell thunderstorm. The tornado moved northeast out of Escambia County Florida and into Escambia County AL just east of Flomaton. EF-2 intensity damage was surveyed on Old Fannie Road. The tornado continued northeast toward Pollard where it weakened and lifted. Extensive tree damage was noted with numerous softwood and hardwood trees either uprooted or snapped. Several power poles were also snapped.
Clarke County									
3 WNW Jackson	15	1553CST 1555CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees and power line son Salt Works Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
ALABAMA, Southwest									
Clarke County 3 NW Jackson	15	1555CST 1557CST			0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed a tree on Samantha Drive. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Clarke County Thomasville	15	1605CST 1607CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 downed trees in Thomasville. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Escambia County Brewton	15	1605CST 1607CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph downed trees in Brewton. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Clarke County 5 ENE Choctaw Bluff	15	1607CST 1609CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 downed a tree on Gainestown Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Mobile County Saraland	15	1613CST 1614CST			0	0	0.00K	0.00K	Hail (1.00)
Monroe County 2 SSW Monroeville	15 16	1624CST 1625CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Severe thunderstorm wind gusts around 60 mph downed trees along south Mt. Pleasant Avenue between Monroeville and Highway 84. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Monroe County 1 NE Monroeville	15	1626CST 1627CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Severe thunderstorm wind gusts around 60 mph downed numerous trees in the Monroeville area. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Monroe County 1 SW Mexboro	15	1628CST 1629CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									Severe thunderstorm wind gusts around 60 mph downed trees along Oak Grove Church Road near Frisco City and Highway 84. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Monroe County 1 S Hybart	15	1632CST 1633CST			0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
									Severe thunderstorm wind gusts downed trees along Oakley Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Conecuh County 4 W Brooklyn

15	1633CST 1637CST	2.19	250	0	0	750.00K	0.00K	Tornado (EF2)
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This tornado was produced from the same parent supercell thunderstorm that produced the EF-3 tornado in Century, FL. The tornado in Conecuh County first touched down south of County Road 6 and quickly strengthened as it crossed the road. EF-2 intensity damage was observed at the Johnsonville Volunteer Fire Department which was completely destroyed. Significant tree damage was noted in the area and a well built home suffered extensive roof damage. The tornado continued to the northwest toward the Johnsonville Circle area where a few homes suffered roof damage. A single wide mobile home on Johnsonville Circle was destroyed. The mobile home was not anchored. Damage in this area was consistent with EF-1 intensity. The tornado lifted in the woods just to the northeast of the end of Clinton Drive.

Mobile County 2 NNW Mon Louis

15	1658CST 1659CST			0	0	2.00K	0.00K	Thunderstorm Wind (53EG)
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A severe thunderstorm wind gust tore a large street lamp out of a brick column. Radar observed winds of 53 knots just above the surface.

Note: The estimated wind gust of 53 knots is equivalent to 61 mph.

Covington County 1 NNE South

15	1700CST 1702CST	4.53	50	0	1	100.00K	0.00K	Tornado (EF1)
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This tornado was produced from the same parent supercell that produced tornadoes in Conecuh and Escambia Counties in Alabama as well as Escambia County Florida. The Covington County tornado first produced sporadic tree damage on Lloyd Mill Road. The tornado reached peak intensity of EF-1 when it moved across Swinson Road and destroyed a single wide mobile home. One person in the home suffered minor injuries. The tornado continued northeast and produced further sporadic tree damage and minor roof damage to a few residences. It lifted and dissipated on Boykin Road just south of the Butler County line.

Crenshaw County 4 NW Saville

15	1739CST 1740CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Severe thunderstorm wind gusts downed numerous trees on Highway 97 just south of Pettus Road. A deputy sheriff was temporarily trapped due the downed trees.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Covington County 1 W Haygood

15	1746CST 1748CST			0	0	15.00K	0.00K	Thunderstorm Wind (70EG)
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A bow echo, producing winds estimated at 80 mph, produced a corridor of wind damage along and north of Straughn School Road which is northeast of Andalusia. Numerous trees were uprooted with power lines also downed. A tree fell onto a home on Country Drive, causing considerable damage.

Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Crenshaw County Brantley

15	1751CST 1752CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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A barn on Emmett Avenue was destroyed due to severe thunderstorm winds.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Crenshaw County 1 SE Social Town

15	1757CST 1758CST			0	0		0.00K	Thunderstorm Wind (52EG)
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Chicken houses were damaged by severe thunderstorm wind gusts.

Severe thunderstorms developed across southwest and south central Alabama during the afternoon and evening of February 15th as a strong upper level disturbance moved from the southern Plains to the Tennessee Valley. The severe storms developed along and ahead of the trailing cold front, producing both tornadoes and straight line wind damage. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Washington County Yellow Pine

23	1753CST 1755CST				0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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A shed and storage building was damaged just north of Highway 56.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Clarke County 2 ENE Jackson

23	1820CST 1822CST				0	0	25.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph downed a tree on a house on maple Drive.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Clarke County 1 S Coffeerville

23	1830CST 1832CST				0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph downed a large tree across Highway 69.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Clarke County 2 NNE Coffeerville

23	1830CST 1832CST				0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph downed a tree on Highway 154 at MM 6.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Baldwin County 2 NNE Romar Beach 3 WNW Orange Beach

23	2000CST 2200CST				0	0	0.00K	0.00K	Flash Flood
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Flooding was reported at the Orange Beach Sportsplex off Canal Rd.

ALZ063

Lower Mobile

23	2035CST 2037CST				0	0	5.0K	0.00K	High Wind
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Baldwin County 2 NNE Perdido Beach 2 SW Lillian

23	2115CST 2215CST				0	0	0.00K	0.00K	Flood
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County Road 91 at Carrier Drive was closed due to flooding.

A strong storm system brought produced numerous thunderstorms across southwest Alabama. The thunderstorms produced high winds which caused damage.

ALASKA, Northern

AKZ201>204

Central Beaufort Sea Coast - Eastern Beaufort Sea Coast - Northern Arctic Coast - Western Arctic Coast

12	0000AKS								
14	1645AKS				0	0	0.00K	0.00K	Blizzard

A low pressure trough moving across the Arctic North Slope coupled with a 1045 mb high pressure center over the high Arctic created a strong pressure gradient over the eastern North Slope, providing strong winds and blizzard conditions from the early morning hours of February 12th through the most of the day of the 14th. Barrow schools were closed on the 12th.

Zone 201: Blizzard conditions were observed at the Wainwright ASOS. The visibility was reduced to one quarter mile or less in snow and blowing snow for several days. A peak wind of 43 kt (49 mph) was reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

Zone 202: Blizzard conditions were observed at the Barrow ASOS. The visibility was reduced to one quarter mile or less in snow and blowing snow for several days. A peak wind of 40 kt (46 mph) was reported. Barrow schools were closed on the 12th.

Zone 203: Blizzard conditions were observed at the Deadhorse ASOS. The visibility was reduced to one quarter mile or less in snow and blowing snow for several days. A peak wind of 46 kt (53 mph) was reported.

Zone 204: Blizzard conditions were observed at the Point Thomson AWOS. The visibility was reduced to one quarter mile or less in snow and blowing snow for several days. A peak wind of 53 kt (61 mph) was reported.

AKZ211

Southern Seward Peninsula Coast

17	0523AKS				0	0	0.00K	0.00K	Blizzard
	1200AKS								

A strong low pressure system west of Saint Lawrence Island and its associated occluded front brought heavy snow and strong winds to Nome and the Bering Strait during the morning hours of the February 17th 2016.

Zone 211: Blizzard conditions were observed at the Nome ASOS. The visibility was reduced to one quarter mile or less in snow and blowing snow. A peak wind of 49 kt (56 mph) was reported.

Zone 213: Blizzard conditions were observed at the Brevig Mission AWOS. The visibility was reduced to one quarter mile or less in snow and blowing snow. A peak wind of 47 kt (54 mph) was reported.

AKZ213

St Lawrence Island Bering Strait

24	0300AKS								
25	2200AKS				0	0	0.00K	0.00K	Blizzard

A strong pressure gradient and a low pressure trough produced snow and strong winds for the Bering Strait on February 24th.

Zone 203: Blizzard conditions were observed at the Brevig Mission AWOS. The visibility was reduced to one quarter mile or less in snow and blowing snow. A peak wind of 45 kt (52 mph) was reported.

AKZ203-204

Central Beaufort Sea Coast - Eastern Beaufort Sea Coast

26	0315AKS								
	2300AKS				0	0	0.00K	0.00K	Blizzard

A low pressure trough moving across the Arctic North Slope coupled with a 1038 mb high pressure center over the high Arctic created a strong pressure gradient over the eastern North Slope, providing strong winds and blizzard conditions on February 26th 2016.

Zone 203: Blizzard conditions were observed at the Deadhorse ASOS. The visibility was reduced to one quarter mile or less in snow and blowing snow. A peak wind of 52 kt (60 mph) was reported.

Zone 204: Blizzard conditions were observed at the Point Thomson AWOS. The visibility was reduced to one quarter mile or less in snow and blowing snow on February 26th 2016. A peak wind of 60 kt (69 mph) was reported.

ALASKA, Southeast

AKZ019

Haines Borough and Lynn Canal

04	0531AKS								
05	0500AKS				0	0	0.00K	0.00K	Winter Storm

AKZ027

Dixon Entrance to Cape Decision Coastal Area

04	1105AKS								
	2100AKS				0	0	0.00K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

AKZ029

Misty Fjords

04	1200AKS								
05	0500AKS				0	0	0.00K	0.00K	Winter Storm

AKZ028

Southern Inner Channels

04	1800AKS								
05	0000AKS				0	0	0.00K	0.00K	High Wind

Another in a series of weather systems moving up from the south along the outer coast caused strong winds and a couple of areas of heavy snow to SE Alaska. First, a strong occluded front moved onshore on the afternoon of Wed 2/3. As the front dissipated over land a gale force low developed SW of Dixon Entrance on a new front causing the wind and overrunning moisture on 2/4 and 2/5. No damage was reported, but snow removal operations were intensified on the Haines Highway.

AKZ027

Dixon Entrance to Cape Decision Coastal Area

20	2100AKS								
21	1200AKS				0	0	0.00K	0.00K	High Wind

Another in a series of gale force frontal waves skirts the outer coast of southeast Alaska on the night of 2/20 and the morning of 2/21. Surface analysis showed extreme pressure gradients as the associated front came up to the coast but the orientation was for a more offshore flow that mitigated the wind somewhat. No damage was reported.

AKZ018-019

Haines Borough and Lynn Canal - Taiya Inlet and Klondike Highway

24	2249AKS								
25	1200AKS				0	0	0.00K	0.00K	Winter Storm

A warm front moving up from the south moved over the Northern Lynn Canal driving warm moist air over cold air at the surface. This cause brief heavy snows for both the Klondike & Haines Highways. No damage was reported but snow clearing operations by DOT was intense.

ALASKA, Southern

AKZ111

Matanuska Valley

11	0500AKS								
	0800AKS				0	0	0.00K	0.00K	Avalanche

AKZ101

Anchorage Muni to Bird Creek

11	0500AKS								
	0800AKS				0	0	0.00K	0.00K	Ice Storm

A trough moving through the area brought warm air aloft along with precipitation. That combination with cold ground temperatures caused ice to accumulate along the Glenn Highway, leading to a dangerous morning commute.

AKZ155

Kuskokwim Delta

16	1815AKS								
	2315AKS				0	0	0.00K	0.00K	Blizzard

A low pressure system transiting the Bering sea brought a strong front northward along the west coast. Strong southerly winds ahead of the front combined with cold temperatures from offshore flow caused blizzard conditions along the Kuskokwim Delta and on Nunivak Island.

AKZ185

Eastern Aleutians

19	0442AKS								
	1812AKS				0	0	0.00K	0.00K	Blizzard

A triple point low formed in the Central Aleutians and moved eastward. The cold air advection behind the low enhanced both winds and snow amounts for areas west of Unalaska.

Storm Data and Unusual Weather Phenomena

February 2016

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

AKZ121-125

Kenai Peninsula - Western Prince William Sound & Kenai Mountains

20	1501AKS								
21	2100AKS				0	0	0.00K	0.00K	Heavy Snow

A low moving into the Gulf of Alaska brought southeast flow to Turnagain Pass. Combined with cold temperatures from a previous dry spell, significant snowfall occurred for the Kenai Peninsula and Anchorage.

AKZ141

Copper River Basin

27	1251AKS								
	2100AKS				2	0	0.00K	0.00K	Avalanche

Intermittently warm and cold conditions combined with periodically heavy precipitation contributed to an unstable snow pack in the Chugach mountains. An avalanche triggered in the end of February killed one person. M500U

ARIZONA, Central and Northeast

AZZ004-006-008-010-015>017-038>040

Black Mesa Area - Chinle Valley - Chuska Mountains and Defiance Plateau - Eastern Mogollon Rim - Grand Canyon Country - Kaibab Plateau - Northeast Plateaus and Mesas South of Highway 264 - Oak Creek and Sycamore Canyons - Western Mogollon Rim - White Mountains - Yavapai County Mountains

01	0000MST				0	0	0.00K	0.00K	Heavy Snow
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AZZ014

Little Colorado River Valley in Apache County

01	0130MST								
	0140MST				0	0	0.00K	0.00K	High Wind

AZZ037

Yavapai County Valleys and Basins

01	0300MST								
	1700MST				0	0	0.00K	0.00K	Heavy Snow

A strong cold front began moving across northern Arizona January 31st with strong winds, isolated thunderstorms, widespread rain, and higher elevation snow. Snow had started falling much of northern Arizona by daylight on February 1. Even Bagdad (3,800 feet elevation) had 3.0 inches of snow by 600 AM MST on the first.

AZZ015

Western Mogollon Rim

03	0000MST								
	0900MST				0	0	0.00K	0.00K	Cold/Wind Chill

Clear skies, light winds, and fresh snow followed a strong winter storm system which allowed strong inversions and very cold temperatures to develop.

AZZ006-012

Grand Canyon Country - Little Colorado River Valley in Coconino County

18	1407MST								
	1515MST				0	0	0.00K	0.00K	High Wind

An upper level trough moved over Arizona with strong and gusty winds.

Storm Data and Unusual Weather Phenomena

February 2016

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

AZZ003

Northwest Deserts

17	2318MST				0	0	0.00K	0.00K	High Wind
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A strong Pacific storm system brought locally high winds to the Mojave Desert.

ARIZONA, South

AZZ507

Upper San Pedro River Valley

01	0000MST 0400MST				0	0	25.0K	0.00K	High Wind
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AZZ504

Tucson Metro Area

01	0000MST 0600MST				0	0	10.0K	0.00K	Strong Wind
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AZZ510-513>514

Dragoon/mule/huachuca And Santa Rita Mountains - Galiuro And Pinaleno Mountains - Santa Catalina And Rincon Mountains - White Mountains Of Graham And Greenlee Counties

01	0000MST 0600MST				0	0	5.0K	0.00K	Winter Storm
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AZZ508

Eastern Cochise County Below 5000 Feet

01	0300MST 0400MST				0	0	0.00K	0.00K	High Wind
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A strong trough of low pressure moved across Southeast Arizona the night of January 31 into February 1. This produced very strong winds across Southeast Arizona, especially in the mountains with Mt. Lemmon gusting over 100 MPH. Valley locations across Southeast Arizona generally saw wind gusts of 35 to 55 MPH with a few spots especially near Sierra Vista with gusts over 60 MPH. Snow was also observed in elevations primarily above 4000 feet with the mountains seeing brief blizzard-like conditions.

ARKANSAS, Central and North Central

ARZ030-040

Logan - Polk

23	1700CST								
24	0400CST				0	0	0.00K	0.00K	Winter Storm

ARZ021

Johnson

23	1800CST								
24	0600CST				0	0	0.00K	0.00K	Winter Weather

ARZ012

Newton

23	1900CST								
24	0700CST				0	0	0.00K	0.00K	Winter Storm

ARZ023

Van Buren

23	1900CST								
24	0700CST				0	0	0.00K	0.00K	Winter Weather

ARZ013

Searcy

23	2000CST								
24	0800CST				0	0	0.00K	0.00K	Winter Storm

Storm Data and Unusual Weather Phenomena

February 2016

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

ARZ003-004

Boone - Marion

23	2300CST								
24	0700CST				0	0	0.00K	0.00K	Winter Weather

ARZ006-007

Fulton - Sharp

24	0000CST				0	0	0.00K	0.00K	Winter Weather
	0700CST								

Heavy snow fell in parts of the Ozark and Ouachita Mountains on February 23-24, 2016. Reports of 4-6 inches of snow were commonly reported in the higher elevations of the Ozarks and Ouachitas. The maximum snowfall totals were reportedly 8.5 to 9 inches in the highest elevations of the mountains. Lower elevations received little to no snowfall making this a somewhat rare elevation driven snowfall event.

ARKANSAS, East

Randolph County

**Ravenden Spgs
1 ESE Manson**

21	0745CST				0	0		0.00K	Thunderstorm Wind (50EG)
	0815CST								

Straight line winds ripped siding off a building and knocked multiple tree limbs down in Ravenden Springs. An out building was heavily damaged and power poles were knocked down on Long Road near Shannon.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Randolph County

3 W Pocahontas

21	0805CST				0	0		0.00K	Hail (0.88)
	0810CST								

Pea to nickel size hail covered the ground west of Pocahontas.

An isolated severe storm developed over Randolph County ahead of an approaching cold front producing damaging winds and small hail.

ARKANSAS, Northwest

ARZ011

Madison

23	1500CST								
24	0400CST				0	0	0.00K	0.00K	Winter Storm

A deepening upper level storm system moved from the southern Rockies into and across northern Texas on February 23rd and 24th. Precipitation developed across eastern Oklahoma and northwestern Arkansas as this system approached on the 23rd. Cold air spread into the area during the afternoon of the 23rd, changing the rain over to snow across portions of the region. Higher elevations received heavy snow in Madison County, where four to eight inches occurred by early morning on the 24th.

CALIFORNIA, North Central

CAZ015>019-067

Carquinez Strait and Delta - Central Sacramento Valley - Motherlode/Camptonville to Groveland - Northern Sacramento Valley - Northern San Joaquin Valley - Southern Sacramento Valley

01	0000PST				0	0			Drought
	2359PST								

Long term drought continued through the month of February. After a relatively wet January, a period of extremely dry and warm conditions returned for most of February. This prevented the snow pack for the northern Sierra and southern Cascades from growing much, and actually decreased it in some locations by the end of the month, down to around 90% of normal, 85% for the whole state. Reservoirs across the area continued to increase but generally remained below normal levels. Folsom Lake was an exception to this, rising to 111% by the end of February. The Department of Water Resources increased water delivery projections to 30% of requests, up from a 15% estimate in late January. However, the dry conditions through the month prevented a larger anticipated increase.

Extreme drought continued to be detected by the U.S. Drought Monitor across most the region, with exceptional drought for the northern San Joaquin Valley, the central and southern Sacramento Valley, the Burney Basin and the Sierra. A small portion of the northwest forecast area in the Coast Range was downgraded from extreme to severe drought by the end of the month.

Storm Data and Unusual Weather Phenomena

February 2016

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

Governor Jerry Brown declared a drought emergency for the entire state of California January 17, 2014 and this continued to be in effect. He extended the executive order requiring Californians to continue conserving water through October 2016. At the end of January 2016, the California State Water Control Board approved an eight-month extension of the existing drought-related emergency regulations with just some minor adjustments.

Local Emergency Proclamations have been issued for El Dorado, Glenn, Lake, Plumas, San Joaquin, Shasta, Sutter, Tuolumne, and Yuba counties. The cities of Live Oak Lodi, and Ripon continue in a drought emergency. Drought task forces have been established in Butte, Lake, Nevada, Placer, Plumas, Sacramento, San Joaquin, Stanislaus, Sutter, Tehama, Tuolumne, and Yolo counties to coordinate response to the drought.

Mandatory water reductions of 25 percent as ordered by Governor Brown continued to be in effect statewide, though Californians missed these targeted reductions for the month

The state continued to supply food assistance to those impacted by the drought, along with California Disaster Assistance Act money for those who have lost drinking water due to dry wells. Nonprofit organizations in the San Joaquin Valley struggled to meet the needs of their clients for drought-related programs.

A study released in late December by the Carnegie Institution for Science counted as many as 58 million trees statewide suffering severe water loss marked by browning leaves and dying limbs that far greater than previously thought. An earlier study by the National Forest Service reported 29 million trees already dead. Repercussions of this are that wildfires are likely to become more destructive, rivers and lakes that are naturally cleaned by forest ecosystems may become degraded, and less carbon dioxide is apt to be soaked up by trees.

CAZ069

West Slope Northern Sierra Nevada

01	0000PST								
	1300PST				0	0	0.00K	0.00K	Winter Weather

CAZ017

Southern Sacramento Valley

01	1200PST								
	1443PST				0	0	10.0K	0.00K	Strong Wind

A low pressure system brought some snow to the mountains. Gusty north winds developed as high pressure built in behind the departing system.

CAZ069

West Slope Northern Sierra Nevada

17	0600PST								
18	1500PST				0	0	0.00K	0.00K	Winter Weather

Shasta County 2 WNW Sims

17	0800PST				0	0	0.00K	0.00K	Heavy Rain
18									

There was 1.36 inches of rain measured over 24 hours at Castella.

CAZ069

West Slope Northern Sierra Nevada

17	0800PST								
18	1600PST				0	0	0.00K	0.00K	Heavy Snow

CAZ067

Motherlode/Camptonville to Groveland

17	1200PST								
	2100PST				0	0	370.0K	0.00K	Strong Wind

Strong Winds caused large numbers of power outages. A majority of these outages were along the Sierra Nevada foothills. Snow up to 12 to 17 inches fell in the Sierra, causing a period of travel difficulties over Sierra passes.

Storm Data and Unusual Weather Phenomena

February 2016

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

CAZ071>073

Greater Lake Tahoe Area - Lassen/Eastern Plumas/Eastern Sierra - Mono

17	1900PST								
18	0900PST			0	0	0.00K	0.00K	Heavy Snow	

CAZ072

Greater Lake Tahoe Area

18	0700PST						0.00K	Avalanche	
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CAZ073

Mono

18	0800PST					100.0K	0.00K	Strong Wind	
	0900PST			0	0				

A potent cold front brought heavy snow with moderate to high snowfall rates from the evening of the 17th through the morning of the 18th.

CALIFORNIA, South Central

CAZ089>099

East Central San Joaquin Valley - Indian Wells Valley - Kern County Mountains - South Sierra Foothills - South Sierra Mountains - Southeast Kern County Desert - Southeast San Joaquin Valley - Southwest San Joaquin Valley - Tulare County Foothills - Tulare County Mountains - West Central San Joaquin Valley

01	0000PST								
29	2359PST			0	0			Drought	

The California drought continues in full force during the month of February, 2016. Fresno received 0.33 inch of rainfall while Bakersfield only received 0.18 inch of precipitation during the month. The low amounts of precipitation and above normal temperatures we received this month did allow some snow melt to occur. This did improve the water storage situation slightly, however soil moisture did decrease across the San Joaquin Valley due to the lack of rainfall.

The U.S. Drought Monitor continued to report exceptional drought conditions across the entire Central California region. This extent of exceptional drought is extremely unusual for California. The general trend of below normal precipitation and above normal temperatures has continued this year.

There continues to be significant media coverage on the on-going drought conditions. These reports include discussion of significant re-allocation of water resources from the east to west side of the San Joaquin Valley, farmers forgoing planting of some crops, loss or reduction of ground water, wells drying up in several communities leaving them with no water, and an unprecedented increase in fire danger across the Southern Sierra Nevada and Tehachapi Mountains. Also, communities in Central California interior face state mandated reductions in municipal water use.

CAZ089>092

East Central San Joaquin Valley - Southeast San Joaquin Valley - Southwest San Joaquin Valley - West Central San Joaquin Valley

12	0353PST					0.00K	0.00K	Dense Fog	
	0845PST			0	0				

CAZ089-090

East Central San Joaquin Valley - West Central San Joaquin Valley

13	0143PST					0.00K	0.00K	Dense Fog	
	0930PST			0	0				

Area of high pressure moved over the central California region creating favorable conditions for nighttime and early morning radiational fog development across the San Joaquin Valley.

16	0435PST					0.00K	0.00K	Dense Fog	
	0615PST			0	0				

Storm Data and Unusual Weather Phenomena

February 2016

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

CAZ091-092 Southeast San Joaquin Valley - Southwest San Joaquin Valley

16	0519PST				0	0	0.00K	0.00K	Dense Fog
	0756PST								

Area of high pressure moved over the central California region creating favorable conditions for nighttime and early morning radiational fog development across the San Joaquin Valley.

CAZ090-095 East Central San Joaquin Valley - Kern County Mountains

20	1815PST								
21	0700PST				0	0			Dense Fog

Northerly upslope winds over the Kern County mountains allowed for clouds to develop and bank along the northern slopes of the Kern County mountains creating dense fog conditions on the evening of February 20th into the morning of February 21st.

CAZ090>092 East Central San Joaquin Valley - Southeast San Joaquin Valley - Southwest San Joaquin Valley

21	0253PST				0	0			Dense Fog
	0900PST								

Area of high pressure moved over the central California region creating favorable conditions for nighttime and early morning radiational fog development across the San Joaquin Valley.

CAZ091 Southwest San Joaquin Valley

24	0504PST				0	0			Dense Fog
	0853PST								

CAZ090 East Central San Joaquin Valley

25	0155PST				0	0			Dense Fog
	0355PST								

Area of high pressure moved over the central California region creating favorable conditions for nighttime and early morning radiational fog development across the San Joaquin Valley.

CALIFORNIA, Southwest

CAZ055 San Bernardino County Mountains

01	0000PST				0	0		0.00K	Heavy Snow
	0230PST								

CAZ043-050 San Diego County Coasts - San Diego County Valleys

01	0000PST				0	0	10.0K	0.00K	High Wind
	0314PST								

A strong storm system that primarily impacted the region on January 31st with very strong winds and moderate precipitation was slowly winding down over the region early on February 1st. The system had just enough left to produce additional snowfall over the San Bernardino County mountains, isolated thunderstorms over the San Diego County coast and valleys, and gusty winds through the morning hours on February 1st.

CAZ050 San Diego County Valleys

08	0730PST				0	0		0.00K	High Wind
	0810PST								

Strong offshore surface pressure gradients brought moderate Santa Ana winds to the region. Winds were strongest in the San Diego County mountains and valleys.

Storm Data and Unusual Weather Phenomena

February 2016

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

CAZ043

San Diego County Coasts

12	1300PST 1600PST				0	0	0.00K		High Surf
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Several bursts of elevated northwest swell brought low end high surf.

12	2222PST				0	0	0.00K	0.00K	Dense Fog
13	0553PST				0	0	0.00K	0.00K	Dense Fog

12	2239PST				0	0	0.00K	0.00K	Dense Fog
13	0238PST				0	0	0.00K	0.00K	Dense Fog

12	2352PST				0	0	0.00K	0.00K	Dense Fog
13	0421PST				0	0	0.00K	0.00K	Dense Fog

CAZ043-552-554

Orange County Coastal - Orange County Inland - San Diego County Coasts

13	0247PST 0756PST				0	0	0.00K	0.00K	Dense Fog
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A shallow marine layer brought dense fog the to areas within 10 miles of the coast.

CAZ552

Orange County Coastal

13	0600PST 0700PST				0	0	0.00K		High Surf
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Several bursts of elevated northwest swell brought low end high surf.

13	0700PST 1000PST				0	0	0.00K	0.00K	Dense Fog
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13	0800PST 0830PST				0	0	0.00K	0.00K	Dense Fog
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13	0930PST 1030PST				0	0	0.00K	0.00K	Dense Fog
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A shallow marine layer brought dense fog the to areas within 10 miles of the coast.

CAZ043

San Diego County Coasts

13	1000PST 1600PST				0	0	0.00K		High Surf
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14	1300PST 1600PST				0	0	0.00K		High Surf
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Several bursts of elevated northwest swell brought low end high surf.

CAZ055

San Bernardino County Mountains

18	0051PST 0151PST				0	0	0.00K		High Wind
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A trough of low pressure sliding through the great basin brought strong winds to the mountains and deserts. The strongest winds occurred over San Bernardino County.

Storm Data and Unusual Weather Phenomena

February 2016

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

CAZ043-552

Orange County Coastal - San Diego County Coasts

25	0600PST 1600PST				0	0	0.00K		High Surf
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An elevated northwest swell generated high surf at local beaches.

29	0238PST 0715PST				0	0	0.00K	0.00K	Dense Fog
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29	0253PST 0653PST				0	0	0.00K	0.00K	Dense Fog
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29	0353PST 0753PST				0	0	0.00K	0.00K	Dense Fog
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29	0438PST 0825PST				0	0	0.00K	0.00K	Dense Fog
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29	0441PST 0652PST				0	0	0.00K	0.00K	Dense Fog
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CAZ554

Orange County Inland

29	0600PST 0700PST				0	0	0.00K	0.00K	Dense Fog
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A shallow marine layer produced dense fog primarily over the coastal mesas.

CALIFORNIA, Upper

CAZ083-085

Modoc County - North Central & Southeast Siskiyou County

17	1104PST 1703PST				0	0	0.00K	0.00K	High Wind
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One of the last of a series of fronts brought high winds to portions of northern California.

CAZ083

North Central & Southeast Siskiyou County

19	0702PST 0831PST				0	0	0.00K	0.00K	High Wind
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The last of a series of fronts brought high winds to portions of northern California.

CALIFORNIA, West South Central

CAZ045-053>054

Los Angeles County Mountains Excluding the Santa Monica Range - Santa Monica Mountains Recreation Area - Ventura County Coastal Valleys - Ventura County Mountains

07	1155PST 1249PST				0	0	0.00K	0.00K	High Wind
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Strong surface high pressure over the Great Basin generated gusty Santa Ana winds across portions of Ventura and Los Angeles counties. Northeasterly wind gusts between 59 and 65 MPH were reported in the valleys and mountains.

CAZ054

Los Angeles County Mountains Excluding the Santa Monica Range

17	0953PST 1353PST				0	0	0.00K	0.00K	High Wind
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Storm Data and Unusual Weather Phenomena

February 2016

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

Another round of gusty Santa Ana winds developed across the mountains of Los Angeles county. Wind gusts up to 60 MPH were reported.

CAZ041

Los Angeles County Coasts including Downtown Los Angeles

24	1830PST				2	4	0.00K	0.00K	Sneakerwave
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A period of high surf conditions impacted the beaches of Southern California. In Redondo Beach, 4 people were swept off a jetty by a sneaker wave. Three of the individuals were injured and one died. M?IW

COLORADO, Central and Northeast

COZ034>036-038>051

Boulder & Jefferson Counties below 6000 Feet/West Broomfield County - Central & South Weld County - Central & east Adams & Arapahoe Counties - Elbert/Central & east Douglas Counties above 6000 Feet - Jefferson & West Douglas Counties above 6000 Feet/Gilpin/Clear Creek/Northeast Park Counties below 9000 Feet - Larimer & Boulder Counties between 6000 & 9000 Feet - Larimer County below 6000 Feet/Northwest Weld County - Logan County - Morgan County - North & Northeast Elbert County below 6000 Feet/North Lincoln County - North Douglas County below 6000 Feet/Denver/West Adams & Arapahoe Counties/east Broomfield County - Northeast Weld County - Phillips County - Sedgwick County - South & Southeast Grand/West Central & Southwest Boulder/Gilpin/Clear Creek/Summit/North & West Park Counties above 9000 Feet - Southeast Elbert County below 6000 Feet/South Lincoln County - Washington County

01	0000MST								
02	1500MST				0	0			Winter Storm

A slow moving storm system moved across the Four Corners region and strengthened as it moved into southeastern Colorado. The southeasterly flow aloft initially produced snowfall in the and near the foothills of Larimer County. By late in the afternoon on the 1st, a deep east to northeasterly flow upslope produced moderate to heavy snowfall that continued through the evening across the rest of Front Range Mountains, Foothills and adjacent plains. The combination of heavy snow and strong winds produced extensive blowing and drifting snow along the Palmer Divide and across the northeast plains of Colorado. Snowdrifts from 3 to 6 ft deep were observed. Numerous roads and highways were closed east of the Interstate 25, including I-70 and I-76 respectively overnight, as the roadways became impassable. The road closures continued through the morning hours as bands of light to moderate snow, with gusty winds to 35 mph persisted. The roads were reopened by the afternoon of the 2nd. In addition, at Denver International Airport, 480 were cancelled on the 1st, with an additional 125 flights on the 2nd. The official measurement at Denver International Airport was 11.6 inches.

In the mountains and foothills, storm totals included: 35.5 inches at Buckhorn Mountain; 25 inches, 4 miles west-southwest of Eldorado Springs; 24 inches at Genesee and 12.5 miles northwest of Golden; 22.5 inches, 4 miles east-northeast of Nederland; 21 inches, 4 miles south-southeast of Pinecliffe; 16.5 inches, 4 miles south-southeast of Brookvale; 14.5 inches near Estes Park; 14 inches at Intercanyon; 13 inches 4 miles west-northwest of Berthoud; Echo Mountain and 3 miles east-southeast of Tiny Town; 12.5 inches near Breckenridge, 12 inches near Antero Junction, 4 miles west-northwest of Conifer and Eldora Ski Area; 11 inches at Roxborough State Park; 9.5 inches, 3 miles southwest of Golden; 9 inches near Bergen Park and Strontia Springs Dam; with 8 inches, 3 miles north of Black Hawk.

Across the Interstate 25 Corridor, storm totals included: 19.5 inches near Parker; 18.5 inches, 4 miles north-northwest of Larkspur; 15 inches just north of Loveland; 14.5 inches near Louisville; 14 inches in northwest Arvada and Ken Caryl; 13 inches near Federal Heights, Northglenn and Ralston Reservoir; 12.5 inches, 4 miles south of Ft Collins; 12 inches in Broomfield, 3 miles north-northwest of Buckley AFB, near Castle Rock, Erie, Highlands Ranch and Wellington; 11.5 inches near Westminster; 11 inches, 3 miles south-southeast of Denver, north Longmont, Lafayette and Mead; 10 inches near Aurora, 3 miles east of Franktown and Wheat Ridge; 9.5 inches in Thornton; 9 inches at Frederick.

Across the Palmer Divide and adjacent plains, storm totals included: 21 inches, 4 miles northwest of Elizabeth; 14 inches, 8 miles southeast of Watkins; 12 inches at Agate and Burdett; 11 inches at Hereford; 10 inches, 4 miles south-southeast of Bennett and near Greeley, Holyoke and 21 miles north of New Raymer; 9 inches near Akron and Byers; 8 inches, 8 miles northwest of Greeley; 7 inches near Hugo; 6 inches near Ft Morgan, Karval and Sterling.

Storm Data and Unusual Weather Phenomena

February 2016

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

COZ090>092

Cheyenne County - Kit Carson County - Yuma County

01	0615MST								
02	1630MST				0	0	0.00K	0.00K	Heavy Snow

A large area of moderate to heavy snowfall moved across East Central Colorado beginning on the first and lasting into the second. The heaviest snowfall occurred during the night. By the end of the event snowfall totals ranged from 5 inches in southeast Cheyenne county to 15 inches near Idalia. Along with the snow, wind gusts in the 40-50 MPH ranged were also reported. The strong winds and moderate to heavy snowfall created blizzard conditions for two hours at Burlington.

COZ090

Yuma County

19	0115MST				0	0	0.00K	0.00K	High Wind
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During the night a strong cold front moved through Yuma county. High winds moved in behind the cold front. The highest wind gust reported was 59 MPH at Wray.

COLORADO, South Central and Southeast

COZ058-060-063-065>068-072>076-078>087-089

Canon City Vicinity/Eastern Fremont County - Colorado Springs Vicinity/Southern El Paso County/Rampart Range below 7500 Ft - Crowley County - Eastern Chaffee County/Western Mosquito Range above 9000 Ft - Eastern Lake County/Western Mosquito Range above 11000 Ft - Eastern San Juan Mountains above 10000 Ft - Eastern Sawatch Mountains above 11000 Ft - La Garita Mountains above 10000 Ft - Northern El Paso County/Monument Ridge/Rampart Range below 7500 Ft - Northern Sangre De Cristo Mountains above 11000 Ft - Northern Sangre De Cristo Mountains between 8500 & 11000 Ft - Northwest Fremont County above 8500 Ft - Pikes Peak above 11000 Ft - Pueblo Vicinity/Pueblo County below 6300 Ft - Saguache County East of Continental Divide below 10000 Ft - Southern Sangre De Cristo Mountains above 11000 Ft - Southern Sangre De Cristo Mountains between 7500 & 11000 Ft - Teller County/Rampart Range above 7500 Ft/Pikes Peak between 7500 & 11000 Ft - Upper Rio Grande Valley/Eastern San Juan Mountains below 10000 Ft - Walsenburg Vicinity/Upper Huerfano River Basin below 7500 Ft - Westcliffe Vicinity/Wet Mountain Valley below 8500 Ft - Western Chaffee County between 9000 & 11000 Ft - Wet Mountains above 10000 Ft - Wet Mountains between 8500 and 10000 Ft

01	0000MST								
02	0700MST				0	0	0.00K	0.00K	Winter Storm

A powerful weather system produced significant snow. Some of the reported snow totals included...6 to 9 inches near Blende and Pueblo (Pueblo County)...Canon City (Fremont County) and Ordway (Crowley County)...10 to 13 inches near Cripple Creek and Woodland Park (Teller County)...Rosita and Silver Cliff (Custer County)...La Veta (Huerfano County)...Colorado City (Pueblo County)...Manitou Springs and Calhan (El Paso County)...14 to 17 inches in the rest of the Colorado Springs metro area (El Paso County)...Beulah (Pueblo County) and Maysville (Chaffee County)...18 to 24 inches at Penrose (Fremont County)...northern El Paso County...Westcliffe (Custer County) and the Spanish Peaks (Huerfano County)...22 inches at Rye (Pueblo County)...30 inches at Monarch Pass (Chaffee County)...and 40 inches at the summit of Wolf Creek Pass (Mineral County).

COZ067

Upper Rio Grande Valley/Eastern San Juan Mountains below 10000 Ft

02	1600MST				2	0	0.00K	0.00K	Avalanche
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A snowmobile rider died in an avalanche in the Lost Mine Creek drainage between Campo Mollino and Park Creek. M23OU

COZ060

Eastern Sawatch Mountains above 11000 Ft

05	1200MST				2	0	0.00K	0.00K	Avalanche
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A snow biker died in an avalanche near the summit of Cottonwood Pass. M58OU

COZ058-060-072>075-078>088

Canon City Vicinity/Eastern Fremont County - Colorado Springs Vicinity/Southern El Paso County/Rampart Range below 7500 Ft - Eastern Lake County/Western Mosquito Range above 11000 Ft - Eastern Sawatch Mountains above 11000 Ft - Northern El Paso County/Monument Ridge/Rampart Range below 7500 Ft - Northern Sangre De Cristo Mountains above 11000 Ft - Northern Sangre De Cristo Mountains between 8500 & 11000 Ft - Pikes Peak above 11000 Ft - Pueblo Vicinity/Pueblo County below 6300 Ft - Southern Sangre De Cristo Mountains above 11000 Ft - Southern Sangre De Cristo Mountains between 7500 & 11000 Ft - Teller County/Rampart Range above 7500 Ft/Pikes Peak between 7500 & 11000 Ft - Trinidad Vicinity/Lower Huerfano River Basin & Western Las Animas County below 7500 Ft - Walsenburg Vicinity/Upper Huerfano River Basin below 7500 Ft - Westcliffe Vicinity/Wet Mountain Valley below 8500 Ft - Wet Mountains above 10000 Ft - Wet Mountains between 8500 and 10000 Ft

18	0430MST								
	2255MST				0	0	0.00K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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COLORADO, South Central and Southeast

A strong weather system produced strong and damaging winds. Some of the reported damage included some barn roofs being blown off...semi-truck blown over and trees being blown down. Wind gusts in the 58 mph to 66 mph range were reported across much of the area for which there were warnings. Wind gusts between 70 and 80 mph occurred across the higher terrain. Wind gusts between 80 and 90 mph were noted around the Wet Mountain Valley and Sangre de Cristo mountains. Finally, an incredible wind gust of 148 mph was recorded at Monarch Pass.

COZ073-075-080-082

Northern Sangre De Cristo Mountains above 11000 Ft - Pikes Peak above 11000 Ft - Southern Sangre De Cristo Mountains above 11000 Ft - Wet Mountains above 10000 Ft

22	1400MST								
23	1100MST				0	0	0.00K	0.00K	Winter Storm

A potent storm system generated more than 8 inches of snow across the eastern mountains and adjacent terrain.

COLORADO, West

COZ006-011-014-020

Central Gunnison and Uncompahgre River Basin - Grand Valley - Paradox Valley/Lower Dolores River Basin - Upper Gunnison River Valley

01	0000MST								
	2200MST				0	0	0.00K	0.00K	Heavy Snow

COZ003-007-009-012-017>019-021>023

Animas River Basin - Debeque to Silt Corridor - Four Corners/Upper Dolores River Basin - Gore and Elk Mountains/Central Mountain Valleys - Grand and Battlement Mesas - Northwestern San Juan Mountains - Roan and Tavaputs Plateaus - San Juan River Basin - Southwestern San Juan Mountains - Uncompahgre Plateau and Dallas Divide - West Elk and Sawatch Mountains

01	0000MST								
02	0700MST				0	0	0.00K	0.00K	Winter Storm

COZ001-004>005-013

Central Yampa River Basin - Elkhead and Park Mountains - Flattop Mountains - Lower Yampa River Basin - Upper Yampa River Basin

01	0000MST								
03	1200MST				0	0	0.00K	0.00K	Winter Weather

A moist Pacific low pressure system produced a prolonged period of heavy snowfall across much of western Colorado with areas of blowing snow.

COZ019

Southwestern San Juan Mountains

13	1130MST								
	1135MST				0	0	0.00K	0.00K	Avalanche

An unstable snowpack was triggered by a couple of back-country skiers.

CONNECTICUT, Northeast

CTZ002>004

Hartford - Tolland - Windham

05	0300EST								
	1500EST				0	0	50.0K	0.00K	Heavy Snow

Low pressure traveling along a cold front stalled south of southern New England brought heavy rain, which changed over to heavy snow as temperatures dropped. This snow was extraordinarily wet and heavy, bringing down trees and wires across portions of southern New England.

CTZ002>004

Hartford - Tolland - Windham

08	0800EST								
09	0000EST				0	0	0.00K	0.00K	Winter Weather

Storm Data and Unusual Weather Phenomena

February 2016

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

A very powerful low pressure system tracked up the east coast, passing southeast of Southern New England. This storm brought heavy snow and gusty winds, resulting in blizzard conditions along the Massachusetts east coast.

CTZ002

Hartford

14	0000EST 0900EST				0	0	0.00K	0.00K	Extreme Cold/Wind Chill
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Arctic high pressure brought strong northwest winds and extremely cold wind chills to southern New England. Many locations reported wind chills between 25 and 35 degrees below zero.

Hartford County

Burlington

24	2253EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and wires on the George Washington Turnpike were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

CTZ003

Tolland

25	0030EST				0	0	15.0K	0.00K	High Wind
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Hartford County

1 NW New Britain

25	0045EST				0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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Several tree limbs were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hartford County

1 E (HFD)Hartford-Branrd

25	0102EST 0103EST				0	0	0.00K	0.00K	Thunderstorm Wind (59MG)
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The Automated Surface Observing System at Hartford-Brainard Airport (KHFD) recorded sustained wind speeds of 44 mph and gusts to 68 mph. These winds were associated with a passing thunderstorm. No damage was reported.

Note: The measured wind gust of 59 knots is equivalent to 68 mph.

Hartford County

South Windsor

25	0105EST				0	0	30.00K	0.00K	Thunderstorm Wind (60EG)
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Trees and wires were downed throughout South Windsor. Several roads were closed due to this damage, including: Ellington Road between Pierce Road and Deming Street and Niederwerfer Road at the East Windsor town line.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Hartford County

Enfield

25	0105EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple large branches, small trees, and wires were downed in the eastern part of Enfield.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hartford County

2 E Hartford

25	0113EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Power lines on Newbury Street and a large limb and wires on Grandview Terrace in Hartford were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Tolland County

Hebron

25	0115EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and wires on Forest Valley Road in Hebron were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Tolland County

Tolland

25	0115EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Tolland County

Coventry

25	0115EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Wires at the intersection of Stone House Road and Old Eagleville Road in Coventry were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hartford County

2 E Hartford

25	0117EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires on Hubbard Road in Hartford were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hartford County

2 SW Addison

25	0123EST				0	0	5.00K	0.00K	Thunderstorm Wind (65EG)
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An amateur radio operator recorded a wind gust of 75 mph on their home weather station in Glastonbury. A tree was downed onto a house on Crestdale Road.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Hartford County

East Windsor

25	0125EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires in East Windsor were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Tolland County

Andover

25	0125EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and wires were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Tolland County

Hydeville

25	0125EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires in Stafford were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Windham County

Ashford

25	0130EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires were downed by severe thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Tolland County

Tolland

25	0140EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Power lines on Anthony Road between Virginia Lane and Rhodes Road in Tolland were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hartford County

2 SW Addison

25	0142EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and wires on Grist Mill Road at Route 83 in Glastonbury were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Windham County

Hampton

25	0146EST				0	0	0.00K	0.00K	Thunderstorm Wind (51EG)
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An amateur radio operator recorded a 59 mph wind gust on their home weather station in Hampton. No damage was reported.

Note: The estimated wind gust of 51 knots is equivalent to 59 mph.

Windham County

Woodstock

25	0215EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees on Route 171 in Woodstock were downed by thunderstorm winds.

Low pressure tracked north through New York bringing a warm front through southern New England. Unseasonably deep moisture accompanied this front. This was a very complicated weather situation as a strong low level inversion was in place over the area with a very strong low level jet just above the inversion. As showers and thunderstorms developed, the storms and heavy rain allowed the stronger winds to mix down to the surface. In other areas, temperatures warmed enough at the surface to break the inversion and allow the stronger winds to mix down. This resulted in a complicated combination of severe thunderstorm winds and high winds. To add to the historical nature of this event, it occurred in February all during the overnight hours. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

CTZ013

Southern Litchfield

05	0400EST	1200EST			0	0			Winter Weather
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An area of low pressure moved northeast along the mid Atlantic Coast towards the coast of Cape Cod on the morning of Friday, February 5th. Although this system tracked well east of the region, the back side of the storm system allowed for a period to light to moderate snowfall to occur across northwestern Connecticut during the morning hours. Two to 5 inches of snowfall occurred across Litchfield County, with the highest amounts in eastern areas.

CTZ001-013

Northern Litchfield - Southern Litchfield

08	1000EST				0	0			Winter Weather
09	0000EST				0	0			Winter Weather

A powerful area of low pressure was located well off the eastern seaboard on the morning of Monday, February 8th. As this storm lifted northeast, the steadiest and heaviest snowfall from this system impacted much of eastern New England. However, some of the snowfall extended back into parts of western New England for the afternoon and evening hours. Three to 6 inches of snow occurred across Litchfield County, before snowfall tapered off by the late evening hours.

13	1300EST				0	0			Extreme Cold/Wind Chill
14					0	0			Extreme Cold/Wind Chill

CTZ013

Southern Litchfield

13	1300EST				0	0			Extreme Cold/Wind Chill
14					0	0			Extreme Cold/Wind Chill

Behind an Arctic cold front, very cold temperatures poured into the region upon brisk northwesterly winds. Temperatures dropped through the day on Saturday, February 13th, reaching lows of 5 to 20 degrees below zero across northwestern Connecticut on Saturday Night. Along with winds gusting 20 to 35 MPH, wind chill values reached 15 to 40 degrees below zero Saturday Night into Sunday morning.

With temperatures warming up and winds diminishing, the threat for dangerously cold temperatures and low wind chills ended on the afternoon hours of Sunday, February 14th.

Litchfield County

1 ESE Winchester Center

24	2356EST				0	0			Thunderstorm Wind (50EG)
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Trees and wires were downed on Forest Avenue in Winchester due to thunderstorm winds. The downed trees and wires were blocking the roadway..

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Litchfield County

2 WSW Winsted

24	2357EST				0	0			Thunderstorm Wind (50EG)
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A tree was downed on West Wakefield Boulevard due to thunderstorm winds in Winsted. The tree was blocking the roadway.

A strong area of low pressure was located over the Ohio Valley on Wednesday, February 24th and the storm headed northeast towards the region. A warm front extended out of this storm, allowing for periods of rainfall during the day Wednesday, February 24th and into the evening hours. As the warm front passed through the region during the overnight hours, temperatures became quite mild for late February reaching into the 50s and 60s, despite it being in the middle of the night. In addition, thunderstorms ahead of the storm's cold front moved from the mid-Atlantic states up towards northwestern Connecticut.

The thunderstorms produced a period of very heavy rainfall during the late evening and into the overnight hours. Rainfall fell at rates exceeding one inch per hour at times. This rainfall, combined with a frozen ground in places and some snow melt in mountainous areas, allowed for widespread flooding of urban, poor drainage and low lying areas. Some main stem rivers reached minor flood stage as well.

In addition, the narrow line of thunderstorms became severe over the Litchfield Hills, producing damaging wind gusts.

The passage of the storm's cold front during the early morning hours of Thursday, February 25th ended the threat for severe thunderstorms and heavy rainfall. Some additional rainfall during the day on Thursday, February 25th allowed the receding of water of flooded areas to be slow to occur. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

CTZ005>012

Northern Fairfield - Northern Middlesex - Northern New Haven - Northern New London - Southern Fairfield - Southern Middlesex - Southern New Haven - Southern New London

05	0400EST 1500EST				0	0	0.00K	0.00K	Heavy Snow
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Low pressure developing along a cold front moving through the region on Thursday February 4th moved off the southern Mid Atlantic coast on Friday February 5th, bringing heavy snow to southern Connecticut on the fifth.

CTZ005-008-010

Northern Fairfield - Northern New London - Southern New Haven

08	0800EST 1900EST				0	0	0.00K	0.00K	Winter Weather
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An intensifying offshore storm passed close enough on Monday February 8th to bring locally heavy snow to parts of southern CT.

CTZ008-012

Northern New London - Southern Fairfield - Southern New London

16	1200EST 1700EST				0	0	200.0K	0.00K	Strong Wind
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Strong winds occurred ahead of an area of low pressure and associated frontal boundary.

CTZ009

Southern Fairfield

24	2100EST								
25	0030EST				0	0	100.0K	0.00K	High Wind

High winds occurred behind a warm front and ahead of a cold front.

CTZ005

Northern Fairfield

24	2100EST								
25	0000EST				0	0	100.0K	0.00K	Strong Wind

Strong winds occurred behind a warm front and ahead of a cold front.

Fairfield County 2 W Shippan Pt

25	0008EST				0	0	10.00K		Thunderstorm Wind (52EG)
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A tree was reported down on a house on Lockwood Road.
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Fairfield County 1 ESE Durlons Pt

25	0025EST				0	0			Thunderstorm Wind (53MG)
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A gust of 61 mph was measured at the Norwalk Light mesonet location.

Note: The measured wind gust of 53 knots is equivalent to 61 mph.

Middlesex County Middletown

25	0125EST				0	0	4.00K		Thunderstorm Wind (52EG)
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Multiple tree limbs and power lines were reported down across the Town of Middletown.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Middlesex County Durham

25	0140EST				0	0	7.50K		Thunderstorm Wind (52EG)
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Multiple trees and power lines were reported down throughout Durham.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

New Haven County New Haven

25	0155EST				0	0	10.00K		Thunderstorm Wind (52EG)
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Multiple trees and power lines were reported down throughout the city of New Haven.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

New London County Salem

25	0210EST				0	0	5.00K		Thunderstorm Wind (52EG)
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Multiple trees and power lines were reported down in the town of Salem.

A passing cold front triggered severe thunderstorms across Southern Connecticut. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

DELAWARE

DEZ001>003

Inland Sussex - Kent - New Castle

05	0100EST								Winter Weather
	0700EST				0	0			

Precipitation associated with a low pressure system moving north along a nearby offshore front began as light rain during the evening hours on the 4th, then turned to snow from northwest to southeast during the overnight hours. Locations near the shore received more precipitation, and more snow, given their closer proximity to the storm. A heavy, wet snow began accumulating before or near the beginning of the morning rush, and so transportation was effected until the snow was able to turn mush on area roads with increased traffic.

DEZ002>004

Delaware Beaches - Inland Sussex - Kent

08	0810EST								Coastal Flood
	0912EST				0	0			

A strong onshore flow associated with an intense low pressure system moving north just off the mid-Atlantic coast, in combination with a new moon, produced moderate coastal flooding during the morning high tide on February 8th.

09	0800EST								Coastal Flood
	1000EST				0	0			

DEZ003-004

Delaware Beaches - Inland Sussex

09	0800EST								Coastal Flood
	1000EST				0	0			

An onshore flow associated with low pressure along the mid-Atlantic coast, in combination with a new moon, produced moderate coastal flooding during the morning high tide on February 9th.

DEZ001

New Castle

09	0900EST								Winter Weather
10	0100EST				0	0			

Immediately in the wake of a much stronger storm system moving northeast away from the area, another weaker low pressure system developed along the mid-Atlantic coast on February 9th. This surface low, in combination with a broad mid-level trough over the northeast quadrant of the country, produced periods of snow beginning in the mid-morning hours on the 9th, ending a few hours after midnight on the 10th. A few light snow showers redeveloped during the late morning hours on the 10th with little or no additional accumulation. Between one-half and 4.5 inches had fallen across Delaware by Wednesday morning, with nothing near the coast. The highest reported snowfall totals from each county are as follows: 1.5 inches in Dover (Kent County), 4.2 inches in White Clay Creek (New Castle County), and 0.7 inches in Milton (Sussex County). The continued onshore flow from the surface low produced tidal flooding along the coast during the morning high tide on the 9th.

DEZ001>004

Delaware Beaches - Inland Sussex - Kent - New Castle

15	0200EST								Winter Weather
	0100EST				0	0			

Storm Data and Unusual Weather Phenomena

February 2016

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

Precipitation from a low pressure system moving north from the Tennessee River Valley began as snow early Monday as it ran into colder air established over the area the previous few days. A strong southerly flow associated with this low brought with it very warm air, which turned the snow over to freezing rain, then plain rain, from south to north Monday night and early Tuesday.

New Castle County

1 S Cooch

Coochs Bridge

16	1351EST								
	1736EST				0	0	0.00K	0.00K	Flood

Heavy rain and snowmelt caused minor flooding along the Christina River near Cooches Bridge for several hours Tuesday evening, February 16th. The river crested at 11.10 feet. Flood stage is 10.5 feet.

A strong cold front moved west to east through Delaware late Tuesday morning. Heavy downpours associated with this front, plus snowmelt, produced street and poor drainage flooding in some areas across the state. A few streams also exceeded their banks.

Sussex County

1 NE Georgetown Arprt

24	1744EST								
					0	0			Thunderstorm Wind (51MG)

A thunderstorm that moved through the Georgetown area produced a measured wind gust of 59 MPH at the Sussex County Airport. The Sussex County 911 Center reported trees and wires down in the Georgetown area.

Note: The measured wind gust of 51 knots is equivalent to 59 mph.

DEZ001

New Castle

24	2100EST								
					0	0	0.00K		Strong Wind

Kent County

1 SW Felton

24	2130EST								
					0	0			Thunderstorm Wind (50EG)

Trees and wires were reported down in Felton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

New Castle County

Wilmington

Lancaster Vlg

25	1100EST								
	1400EST				0	0	0.00K	0.00K	Flood

The Brandywine river flooded the afternoon of 2/25 due to heavy rain from the night before. The Brandywine State park had flooding in the parking lot starting around 11am. The local museum further upstream also was closed for the day. Some high water was also noted at the local zoo.

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms, heavy rain, flash flooding, and stream flooding in Delaware late Wednesday afternoon and evening, February 24th, with stream flooding continuing into Thursday, February 25th. Hundreds of power outages were also reported across the state.

DISTRICT OF COLUMBIA

DCZ001

District of Columbia

09	1949EST								
	2048EST				0	0			Coastal Flood

Increased anomalies ahead of low pressure on southerly flow ranged from 1.5 to 2.5 ft. This combined with a higher astronomical tide resulted in moderate coastal flooding occurring across a small portion of the DC waterfront.

14	2300EST								
16	0600EST				0	0			Winter Weather

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

Storm Data and Unusual Weather Phenomena

February 2016

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

District of Columbia 1 NW Walter Reed

24	1758EST				0	0			Thunderstorm Wind (60EG)
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Numerous trees were reported down on Portal Drive NW at Poplar Lane NW.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

District of Columbia 1 SW Walter Reed

24	1845EST				0	0	0.00K	0.00K	Flood
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The stream gauge at Rock Creek on Rock Creek reached a flood stage of 7 feet. The gauge peaked at 7.73 feet at 00:30 EST. Water reached several portions of the Valley Trail between picnic areas 7 and 10 in Rock Creek Park. Water also approached Jewett Street near the Smithsonian National Zoo.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

24	1933EST				0	0			Coastal Flood
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Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of the DC waterfront.

FLORIDA, East Central

Orange County 11 ESE Wewahatchee

16	0405EST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A NWS storm survey confirmed straight-line winds estimated near 60 mph on Nova Road, south of State Road 520 in rural, southeast Orange County. A few pine trees were toppled and many large branches were downed along about a one-mile, north-to-south stretch of the roadway. Minor wind damage to smaller branches continued for about 2 miles northeast, crossing State Road 520 (wind estimated 45-55 mph).

An isolated thunderstorm within a squall line become severe and produced tree damage in rural, southeast Orange County. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

FLZ044

Lake

24	0930EST				2	0	0.00K	0.00K	Strong Wind
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A boater on a small inland lake near Mt. Dora likely fell overboard and drowned after southerly winds increased during the morning to around 20 knots with gusts to 30 knots and seas suddenly became choppy. M76BO

Indian River County

2 WSW (VRB)Vero Beach Mu

24	1250EST				0	0	0.00K	0.00K	Funnel Cloud
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Several public reports were received of a funnel cloud in Vero Beach. Photos and video were also obtained.

A thunderstorm within a squall line, exhibited strong rotation on radar, prompting a tornado warning for portions of Indian River County, including Vero Beach. Although damage was not reported with the cell, several public reports (and photos/video) were received of a funnel cloud in Vero Beach.

FLORIDA, Northeastern

FLZ033

St. Johns

02	1400EST				0	0			Wildfire
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A prescribed burn turned into a wildfire.

Storm Data and Unusual Weather Phenomena

February 2016

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

Duval County

2 SE Jacksonville	04	1330EST			0	0	0.00K	0.00K	Flood
2 SW Lake Forest		1430EST							

Street flooding was reported at Orange Street and Market Street near Hogan's Creek.

A slow moving cold front in concert with a very moist airmass and upper level lift produced locally heavy rainfall which caused minor temporary flooding in some locations.

Gilchrist County

1 S Wannee	24	0605EST			0	0			Thunderstorm Wind (50EG)
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A large tree limb was blown down onto power lines which knocked out power for a small neighborhood near Wanna Conservation Area. Time estimated by radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Gilchrist County

1 NW Lottievile	24	0610EST			0	0			Thunderstorm Wind (50EG)
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Gilchrist County Road Department reported multiple trees down across roadways in southwest and northwest portions of the county.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Gilchrist County

2 SSE Bell	24	0610EST			0	0			Thunderstorm Wind (50EG)
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Florida Forest Service reported 2 trees down in the Bell area. One was off of SW 10th Street. The time of damage was based on radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bradford County

1 SSE Lawtey	24	0730EST 0735EST			0	0			Thunderstorm Wind (87EG)
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Straight line wind damaged occurred in Lawtey from near the Lawtey Correctional Institution to about 2 miles NE along NE 6th Avenue. Maximum wind gusts were estimated between 80-100 miles per hour.

Note: The estimated wind gust of 87 knots is equivalent to 100 mph.

Bradford County

1 ESE Lawtey	24	0740EST			0	0			Thunderstorm Wind (70EG)
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Trees were blown down near 900 Block of NE 223rd Street.
Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Marion County

1 S Fellowship	24	0850EST			0	0			Thunderstorm Wind (50EG)
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A large tree was blown down near the intersection of NW 39th Street and NW 110th Avenue.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

FLZ025

Duval

	24	1300EST 1430EST			0	0	15.0K	0.00K	Strong Wind
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A warm front was located north of the Altamaha River with the entire forecast area within the warm sector of the approaching cold front. The marginally unstable airmass combined with forcing from the approaching surface front and a potent upper level low over the Tennessee River Valley drove a couple waves of severe storms across the area, one during the early morning hours with pre-squall line storms, then additional development in the afternoon over the coastal waters.

FLORIDA, Northwest

Jackson County

1 N Grand Ridge	03	1530CST			0	0	0.00K	0.00K	Flood
	04	0000CST							

County Road 69 north of Highway 90 was closed due to water over the road.

Heavy rainfall amounts of 3 to 5 inches caused some flooding of dirt roads in Jackson county.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
FLORIDA, Northwest									
Walton County 1 SSE Glendale	15	1850CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down onto County Road 185 near Bartlett Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County 1 W Darlington	15	1850CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down on Otter Pond Road near Highway 2.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County 2 E Four Mile Village	15	1857CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down in Topsill State Park.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Holmes County Ponce De Leon	15	1908CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down in Ponce De Leon.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Holmes County 1 S Bonifay	15	1922CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down just south of Bonifay.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County 2 NW Inlet Beach	15	1922CST			0	0	5.00K	0.00K	Thunderstorm Wind (55EG)
	A high tension power line was blown down on Highway 98 near Breakers Street resulting in a large power outage.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Washington County Vernon Sunny Hills	15	1930CST 1945CST			0	0	4.00K	0.00K	Thunderstorm Wind (55EG)
	There were numerous reports of trees and power lines down throughout Washington County.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Washington County 2 NNW Chipley	15	1933CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down onto the corner of a carport on the north side of Chipley. This was a public post to the WMBB-TV facebook page. There were also other reports of tree damage in Chipley.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Bay County 1 ESE Gulf Resort Beach	15	1942CST			0	0	0.00K	0.00K	Thunderstorm Wind (50MG)
	A wind gust of 58 mph was measured at the Panama City tide gauge PCBF1.								
	Note: The measured wind gust of 50 knots is equivalent to 58 mph.								
Jackson County 1 NW Steele City	15	1947CST			0	0	0.00K	0.00K	Thunderstorm Wind (65EG)
	Trees were snapped near Corbin Road and Highway 231. This was a public report posted on the WJHG-TV facebook page.								
	Note: The estimated wind gust of 65 knots is equivalent to 75 mph.								
Jackson County Cottondale Sneads	15	1950CST 2030CST			0	0	4.00K	0.00K	Thunderstorm Wind (55EG)
	There were several reports of trees and power lines down throughout Jackson county.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

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

Jackson County

Marianna

15	2000CST				0	0	30.00K	0.00K	Thunderstorm Wind (65EG)
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A roof was blown off a house with numerous trees and power lines down across Marianna. Damage was estimated.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Liberty County

2 NNW Sumatra

15	2215EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown across SR-65 near Sumatra.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Liberty County

Sumatra

15	2215EST				0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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Multiple trees were blown down in Sumatra.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Wakulla County

3 NW Sopchoppy

15	2252EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on the 7700 block of Smith Creek Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

3 NW Sopchoppy

15	2252EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on Greenough Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

2 NW Sopchoppy

15	2253EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on Persimmon Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Franklin County

Carrabelle

15	2255EST				0	0	30.00K	0.00K	Thunderstorm Wind (65EG)
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A tree was blown down onto a house near Carrabelle. Damage was estimated.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Franklin County

1 W Lanark Village

15	2255EST				0	0	0.00K	0.00K	Thunderstorm Wind (65EG)
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Indiana Street, Elder Stree, and Carl King Street in Lanark Village were closed due to downed trees.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Wakulla County

Sopchoppy

15	2255EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Multiple trees were blown down in Sopchoppy.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

4 SW Arran

15	2257EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on Oak Park Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

1 NW Tully

15	2300EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on Friendship Church Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

2 S Arran

15	2300EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Trees were blown down on Mill Creek Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Wakulla County

Crawfordville

15	2300EST				0	0	20.00K	0.00K	Thunderstorm Wind (60EG)
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A tree was blown down onto a house near the 3200 block of Crawfordville Highway. Damage was estimated.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
FLORIDA, Northwest									
Wakulla County 1 WSW Crawfordville	15	2300EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Harvey Mill Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County Crawfordville	15	2300EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Council Moore Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Franklin County 2 NW Turkey Point	15	2302EST			0	0	2.00K	0.00K	Thunderstorm Wind (70MG) A peak gust of 81 mph was measured at the FSU Coastal and Marine Lab Weatherstem site on the Franklin county coast. There was also some tree damage in the area and light debris scattered such as metal siding. Minor damage also occurred to a greenhouse. Damage was estimated. Note: The measured wind gust of 70 knots is equivalent to 81 mph.
Wakulla County 2 NNE Tully	15	2302EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Five Anchors Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 1 N Tully	15	2302EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Casora Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 2 NNE Tully	15	2302EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Coville Street. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 2 NNE Tully	15	2302EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Wildwood Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 2 NNE Crawfordville	15	2305EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Anna Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 2 W Shadeville	15	2307EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Thames Street. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 1 WSW Shadeville	15	2307EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Beechwood Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 1 S Shadeville	15	2307EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on W.F. Magers Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 2 SSW Shadeville	15	2309EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on Solomon Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Wakulla County 1 WSW Shadeville	15	2309EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG) Trees were blown down on White Oak Drive. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
FLORIDA, Northwest									
Wakulla County 2 SSW Shadeville	15	2309EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Powhatan Street. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 SSE Shadeville	15	2310EST			0	0	20.00K	0.00K	Thunderstorm Wind (60EG)
	A tree was blown down onto a house on Haida Trail. Damage was estimated. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 2 WSW Hyde Park	15	2310EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Walker Farm Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 NE Bethel	15	2310EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on the 2700 block of Wakulla Springs Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 SSW Shadeville	15	2310EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on the 1500 block of Spring Creek Highway. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 WSW Wakulla	15	2312EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Rock Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 2 NE Hyde Park	15	2312EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Narvaez Trail. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 2 ENE Wakulla Springs	15	2312EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Highway 267 north of Highway 98. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 WSW Wakulla	15	2312EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on the 2700 block of Shadeville Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 NNW Hyde Park	15	2312EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Dr. Martin Luther King Jr. Memorial Blvd. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 1 NW St Marks	15	2315EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on Ivey Adams Street. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County 2 W Newport	15	2315EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Trees were blown down on the 7200 block of Coastal Highway. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wakulla County Crawfordville	15	2315EST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Multiple trees were blown down. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
FLORIDA, Northwest									
Leon County									
Natural Bridge Historic Site	15	2325EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down on Natural Bridge Road near Old Plank Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Leon County									
2 S Chaires Crossing	15	2325EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down on W W Kelly Road.								
	A strong upper level trough and cold pushed through the region during the evening of February 15th. Ahead of it, a squall line progressed across the area with reports of damaging wind gusts, mainly in the form of trees and power lines blowing down.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County									
Liberty	23	2115CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	Power lines were blown down near the intersection of Highway 331 and County Road 1084.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County									
De Funiak Springs	23	2230CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A couple of trees were blown down.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Walton County									
De Funiak Springs Arpt	23	2235CST			0	0	0.00K	0.00K	Thunderstorm Wind (54MG)
	Note: The measured wind gust of 54 knots is equivalent to 62 mph.								
Walton County									
1 E De Funiak Springs Arpt	23	2243CST			0	0	0.00K	0.00K	Hail (0.75)
Holmes County									
Pittman	23	2250CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Bonifay		2300CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	There were scattered reports of trees blown down across Holmes county.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Holmes County									
2 N Bonifay	23	2300CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
	State Highway 79 was closed due to down power lines on the road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Jackson County									
Graceville	23	2315CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
	Large trees were blown down in Graceville Park.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Bay County									
1 W Panama City Beach	23	2328CST			0	0	0.00K	0.00K	Funnel Cloud
	A funnel cloud was visible on the Schooners web cam in Panama City Beach for a brief time.								
Bay County									
Biltmore Beach	23	2330CST			0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
	A wind gust of 60 mph was measured at Wunderground site KFLPANAM37.								
	Note: The measured wind gust of 52 knots is equivalent to 60 mph.								
Jackson County									
Jacob City	23	2330CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on Highway 162.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Property Damage	Crops	Character of Storm
FLORIDA, Northwest									
Washington County									
Vernon	23	2330CST							
Wausau	24	0000CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
Several trees were blown down in Washington county.									
Note: The estimated wind gust of 55 knots is equivalent to 63 mph.									
Bay County									
2 W Panama City	23	2331CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down near the intersection of Frankford Ave and West Beach Dr.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Bay County									
Panama City	23	2335CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
Trees and power lines were blown down in the Panama City area.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Bay County									
1 NW Youngstown	23	2355CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down in the Youngstown area.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jackson County									
3 WSW Cottondale Arpt	24	0000CST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down onto a residence in the Cottondale area. Damage was estimated.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jackson County									
2 ENE Blue Springs	24	0020CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down across the road near the intersection of Blue Spring Road and Calhoun Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Leon County									
1 E Tallahassee Community College	24	0307EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down onto a power line at Mabry St and Bell Vue Way.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Leon County									
1 E Kleman Plaza	24	0308EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down near the entrance to the Wade Wehunt Pool in Myers Park. This report was received via Twitter from the Tallahassee Parks and Recreation.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Leon County									
1 ENE Winthrop Park	24	0310EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down at Doomar Dr and Miccosukee Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Leon County									
Miccosukee	24	0316EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
A power line was blown down just east of Veterans Memorial Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Wakulla County									
3 N Spring Creek	24	0320EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down along Shell Point Road and Spring Creek Highway.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Wakulla County 1 SE Spring Creek

24	0331EST				0	0	0.00K	0.00K	Thunderstorm Wind (63MG)
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A wind gust of 73 mph was measured by wunderground site KFLCRAWF16.

Note: The measured wind gust of 63 knots is equivalent to 72 mph.

Wakulla County 1 SSW Shadeville

24	0334EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down at Chinkook Trail and MLK Jr Memorial Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Madison County 3 S Greenville

24	0405EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down and blocked the northbound lane near the intersection of Highway 221 and Highway 8 south of Greenville.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Jefferson County 1 ESE Jarrott

24	0415EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A pine tree was blown down onto Lake Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Madison County 6 SE Lee

24	0510EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down on I-10 near mile marker 265.

An unusually strong upper level trough and area of low pressure moved across the southeast states during the Feb 23-24 period, bringing with it numerous reports of wind damage. The low level jet was particularly strong with very strong 0-1 km shear values in excess of 60 knots. The 0-1 km helicity values were in excess of 1000 m²/s² in some areas with CAPE values around 500 j/kg. There were a total of 11 tornadoes across southeast Alabama and southwest Georgia, including 9 EF1 tornadoes and 2 EF0 tornadoes. However, no tornadoes were reported in the WFO Tallahassee portion of the Florida panhandle. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

FLORIDA, Southern

Broward County 5 WSW Davie

01	0440EST				0	0	5.00K		Lightning
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Lightning struck a tree on a residential property. A four-foot-long chunk from the tree broke a sliding glass door on the home, destroying the doorframe. Additional portions of the tree landed on a backyard concrete wall, and the canopy of the tree fell onto the roof of several homes and blocked an adjacent street.

A moist and unstable airmass moving across South Florida during the early morning hours resulted in a few storms across the region.

Collier County 4 NNW Marco Is Arpt

16	0414EST				0	0			Thunderstorm Wind (52EG)
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Several mobile homes carports damaged along Amethyst Avenue in the Enchanting Shores Co-Op Park. An additional mobile home in the neighborhood suffered damage to its roof. Time and wind speeds estimated from radar.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Glades County 1 ESE Goodno

16	0430EST				0	0		0.00K	Thunderstorm Wind (50EG)
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Large oak tree fell on house in the Goodno area off of State Road 80.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Glades County 2 WSW Moore Haven

16	0449EST				0	0			Tornado (EF1)
	0453EST		1.77	75	0	0			

Storm Data and Unusual Weather Phenomena

February 2016

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

The tornado initially touched down near the intersection of West Avenue and North Avenue, creating partial roof damage to a home along North Avenue as well as destroying a back porch and piercing side of nearby shed with debris. The tornado then traveled to the northeast, downing powerlines along the northeast side of the intersection of North Avenue and Riverside Drive SW as well as partially destroying a fence and uprooting trees. The tornado then moved northeast across the Caloosahatchee River. Additional roof debris was found in open fields on the east side of the river near River Road and Azalea Avenue. The tornado then tracked across open fields, before crossing Old US 27 and US 27 near Yaun Road. The most significant damage occurred along the north side of Yaun Road where two mobile homes were destroyed. One mobile home was flipped and totaled, with debris scattered in a nearby field. The second mobile home remained standing, but most of the walls were removed. In addition to the mobile homes, a nearby fence was knocked down along with the destruction of a greenhouse, and dog and chicken pens. The porch roof of another mobile home was also destroyed. The tornado then lifted shortly thereafter just before crossing the railroad tracks near Park Avenue East.

Collier County

10 ESE Sunniland

16	0510EST								
	0517EST	4	10	0	0				Tornado (EF0)

FHP officer travelling eastbound on I-75 reported a tornado touchdown north of the highway around mile marker 70 at 510 am. The officer lost site of the tornado at mile marker 66 at 517 am as it continued to travel northeast away from the interstate.

Palm Beach County

Glen Ridge

16	0653EST			0	0				Thunderstorm Wind (61EG)
Large branches down around Roosevelt Elementary School. Radar estimated winds of 60 to 70 mph in the area at time of event.									

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Broward County

6 NNE Miramar 2 NW Davie

16	0705EST								
	0718EST	6.72	50	0	0				Tornado (EF0)

The tornado touched down just to the south of the intersection of South Post and Weston Roads at 705 am, knocking over a large tree and spreading significant tree limb debris into nearby car dealerships on the east side of the roadway. The tornado then crossed I-75 just south of SW 36th Street, knocking over trees in the field on the east side of the highway. Additional trees were uprooted and snapped as the track continued northeast near the intersection of SW 37th Street and SW 150th Avenue. More tree damaged occurred further east in the Davie/Fort Lauderdale KOA near the intersection of SW 37th Court and Boy Scout Road. A row of power lines was knocked down along 130th Avenue just to the north of SW 36th Court, before the tornado crossed Flamingo Road, tearing a large limb off of a massive tree in Flamingo Gardens. Continuing further northeast, the tornado downed additional trees and power lines down along Canyon Maple Boulevard with shingle damage to roofs to home in the vicinity. Several large trees were then downed along West Lake Villa Circle before the tornado crossed Nob Hill Road. Additional trees were uprooted near Tree Tops and Westridge Parks on the east side of the roadway. Eyewitness reports in the vicinity also report airborne debris. The damage path ended around 718 AM with several large trees snapped and soffit damage to homes in the Escape At Arrowhead neighborhood along SW 24th Court and SW 81st Avenue.

Broward County

Coconut Creek 1 NE Pompano Beach Airpar

16	0710EST								
	0716EST	3.04	50	0	0	100.00K			Tornado (EF1)

The tornado touched down near NW 14th street just west of North Dixie Highway where the strongest damage was observed, with severe roof damage to a home. The tornado then tracked northeast, crossing North Dixie Highway and damaging several horse stables on the east side of the road on the west side of the Pompano Beach Airpark. One horse in the stables sustained injuries. The tornado then moved across the western and northern portions of the airpark into the Pompano Beach Golf Course and the Citi Center, doing damage to trees across the property. The tornado crossed Federal Highway/US 1 near Copans Road, leading to additional damage in the Lighthouse Point area with many uprooted and broken trees, downed power lines, and minor roof damage. The track ended at NE 28th Avenue and NE 28th street less than a half mile from the beach.

Broward County

4 W Lauderdale Lakes

16	0713EST			0	0				Hail (0.88)
A trained spotter reported nickel sized hail at the intersection of Pine Island Road and Sunrise Blvd.									

Storm Data and Unusual Weather Phenomena

February 2016

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

FLORIDA, Southern

Broward County

1 W Pompano Beach Airpar 16 0713EST 0 0 Thunderstorm Wind (52MG)
The ASOS at Pompano Beach Airpark recorded a gust to 60 mph/52 kts.

Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Broward County

2 ENE Miramar 16 0728EST 0 0 Thunderstorm Wind (61EG)
0736EST

Strong winds lead to damage across West Pembroke Pines and Miramar. In the Estates of Pembroke Shores area, several trees were blown down, crushing a pool cage. A six foot polymer fence was also blown out in the community. Nearby, surveillance video shows strong winds downed numerous trees and damaged the entrance gates at Estates at Tequesta Cove. Radar winds estimated at 60 to 70 mph at the time of the damage.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Broward County

1 N Port Everglades 16 0734EST 0 0 Tornado (EF0)
0738EST 1.87 50

Numerous trees and powerlines down in Port Everglades area, including a 20 inch diameter pine tree snapped at its top. A catamaran capsized on Lake Sylvia with the owner trapped inside who was later rescued by Fire Rescue. An additional boat also capsized in the Port Everglades area. Dozens of beach chairs along Fort Lauderdale Beach were also tossed around and into the Atlantic.

Broward County

2 SSE Davie 16 0737EST 0 0 Thunderstorm Wind (53MG)
Seminole Tribe Headquarters WeatherBug site recorded a gust to 61 mph/53kts.

Note: The measured wind gust of 53 knots is equivalent to 61 mph.

Broward County

2 WNW West Hollywood 16 0739EST 0 0 Thunderstorm Wind (54MG)
Driftwood Middle School WeatherBug site recorded a gust to 62 mph/54kts. A tree fell on an occupied car on 72nd Avenue north of Sheridan Street, very close to the location of the wind gust, with no injury to the occupants. Additional tree and minor structure damage was reported in the vicinity.

Note: The measured wind gust of 54 knots is equivalent to 62 mph.

Broward County

1 ENE Port Everglades 16 0745EST 0 0 Thunderstorm Wind (61EG)
Numerous trees and powerlines down in Port Everglades area, including a 20 inch diameter pine tree snapped at its top. A catamaran capsized on Lake Sylvia with the owner trapped inside who was later rescued by Fire Rescue. An additional boat also capsized in the Port Everglades area. Dozens of beach chairs along Fort Lauderdale Beach were also tossed around and into the Atlantic. Radar winds estimated at 60 to 70 mph at the time of the damage.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Broward County

West Hollywood 16 0750EST 0 1 Thunderstorm Wind (70EG)
1 W Hollywood

Strong winds lead to damage throughout the Hollywood area. Trees fell onto a home on 31st Court near Johnson Street, and severely damaged a mobile home on Arthur Street near N 58 Ave, injuring a female occupant. Radar estimated winds were around 80 mph across the area at the time of the event.

Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Miami-Dade County

2 NNW Biscayne Gardens 16 0751EST 0 0 Tornado (EF1)
2 W Golden Beach 0759EST 3.78 150

Storm Data and Unusual Weather Phenomena

February 2016

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

The tornado initially touched down along NW 197th Terrace and between NW 7th Court and NW 9th Avenue, doing damage to a metal awning and siding on a home. Several trees and large branches were blown down and broken to the east along NW 198th Street and NW 7th Court. The damage path continued to the east-southeast, with numerous downed trees and large limbs broken in the neighborhoods between NW 193rd Street and 197th Street to the north and south and NE 7th Street and NW 2nd Avenue to the east and west. The most significant damage in this area was a twisted carport on a house along NW 8th Court near NW 196th Street, where the corner of the roof was also lifted. Along NW 2nd Avenue, the siding was torn off of a fast food restaurant and blown to the east. The damage path continued to the east where additional trees and branches were snapped along NW 193rd Terrace and NW 193rd Street between NW 1st Place and NE 2nd Avenue. The damage path then briefly widened along Sierra Drive between Ives Dairy Road and NW 191st Street with sporadic EF1 damage ranging from snapped large trees to damage to the west facing shingles on an older masonry apartment building. Additional EF1 tree damage then occurred along NE 195th and NE 196th Streets. The tornado then crossed I-95 where a semi-truck was blown off the road. The most significant damage occurred along NE 191st Street and NE 14th Avenue where several power poles were tilted to the side, coconut palm trees uprooted, and the roofs of two apartment buildings were damaged. The damage path was then sporadic until the tornado crossed NE 18th Avenue, uprooting and snapping additional trees between NE 19th Place and NE 23rd Avenue and NE 191st Drive. The damage path ended along NE 191st Street before reaching the nearby canal, where one home suffered roof damage, an electrical pole was bent, and tennis court fence blown down.

Broward County **1 NNE Pembroke**

16	0758EST			0	0				Thunderstorm Wind (52MG)
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McNicol Middle School WeatherBug site recorded a wind gust to 60mph/52kts.

A strong squall line intensified well ahead of a cold front over the eastern Gulf of Mexico during the early morning hours of February 16th. The line produced straight line wind damage near Naples as it moved onshore, along with tornadoes in Glades and Collier counties. Three additional tornadoes developed across the east coast metro in Broward and Miami-Dade counties, as the squall line interacted with the southeasterly flow along the coast. In addition to the tornadoes, straight line wind gusts of 60 to 70 mph were reported across eastern Palm Beach and Broward counties, producing damage in Fort Lauderdale, West Palm Beach, Pembroke Pines, and Miramar. Small hail was also reported in Davie and Sunrise with a tornadic storm. Note: The measured wind gust of 52 knots is equivalent to 60 mph.

FLORIDA, West Central

Manatee County **6 ENE Oak Knoll** **5 NNE Myakka Head**

24	1227EST								
	1239EST	8.58	50	0	0	0.00K	0.00K		Tornado (EF1)

The tornado impacted mainly rural areas of Manatee County. Numerous pictures of a line of snapped trees along the path were received. No storm survey was conducted due to the very rural located. Strength estimated off of tree damage pictures.

Hillsborough County **7 ESE Fort Lonesome**

24	1245EST								
	1248EST	0.92	30	0	0	0.00K	0.00K		Tornado (EF0)

A brief tornado moved through an open field near the Mosaic Phosphate Facility near Fort Lonesome.

Charlotte County **1 SSE Murdock**

24	1315EST								
	1316EST	0.22	50	0	0	50.00K	0.00K		Tornado (EF0)

An NWS Storm Survey found EF-0 Tornado Damage in Murdock. Damage mainly consisted of downed trees, damage light posts and blown out windows. Winds were estimated to be around 65 mph. A Charlotte County Sheriff's deputy observed the tornado and it was also seen on video from the county administration building nearby.

Charlotte County **2 NNE Charlotte Harbor**

24	1322EST								
	1327EST	2.72	100	0	1	1.60M	0.00K		Tornado (EF1)

A NWS Storm Survey found EF-1 tornado damage with winds estimated near 100 mph. 108 homes were affected with most of the damage limited to roofs and pool cages. However, 11 sustained major damage and were deemed uninhabitable by the county, one of which was destroyed. Numerous trees were uprooted and snapped with at least 8 different vehicles picked up and moved.

A strong area of low pressure pushing through the Deep South helped guide a cold front through the region on the 24th. The front spawned numerous strong to severe storms across the area some of which produced tornadoes.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Panhandle									
Santa Rosa County									
4 NNW Bagdad	03	0728CST			0	0	5.00K	0.00K	Lightning
									Lightning struck a shed and started a fire.
Okaloosa County									
1 SW Niceville	03	1040CST 1300CST			0	0	0.00K	0.00K	Flash Flood
									A coop observer near Niceville reported 3.5 inches of rain in one hour which resulted in considerable flooding of roads in the area.
Okaloosa County									
1 E Ocean City 1 WNW Shalimar	03	1130CST 1300CST			0	0	0.00K	0.00K	Flash Flood
									Extensive street flooding near Eglin Parkway. Thunderstorms moved across the area causing flooding and lightning damage.
Escambia County									
4 W Mc David 3 ENE South Flomaton	15	1532CST 1550CST	12.57	300	0	3	5.00M	0.00K	Tornado (EF3)
									This tornado developed from an isolated supercell thunderstorm. The tornado first touched down southwest of Lambert-Ridge Road southeast of McDavid. The tornado gradually increased in strength and width as it continued northeast toward Century. The first EF-2 intensity damage noted was on Holland Drive where a workshop was completely destroyed. The tornado reached its peak intensity (widespread EF-2 damage with isolated EF-3 damage) as it moved into Century. Numerous homes were damaged or destroyed. A couple of homes experienced complete loss of the roof with only the walls of small interior rooms remaining. Extensive tree damage was noted with numerous softwood and hardwood trees either uprooted or snapped. Numerous power poles were also snapped. The tornado continued to track northeast out of Century and moved across the Florida Alabama state line into Escambia County Alabama.
Santa Rosa County									
1 N New York	15	1654CST 1655CST			0	0		0.00K	Hail (1.00)
Escambia County									
1 E Belleview	15	1746CST 1747CST			0	0	10.00K	0.00K	Thunderstorm Wind (52EG)
									A severe thunderstorm wind gust downed a tree onto a truck at Timberlake Mobile Home Park. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Escambia County									
1 ENE Edge	15	1750CST 1751CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
									An awning at a truck stop was damaged by severe thunderstorm wind gusts. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Escambia County									
1 ENE Edge	15	1750CST 1751CST			0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
									An awning at a truck stop was damaged by severe thunderstorm wind gusts. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Escambia County									
2 E Ferry Pass	15	1753CST 1755CST			0	0	100.00K	0.00K	Thunderstorm Wind (70EG)
									A bow echo with winds estimated as high as 80 mph caused considerable damage in the vicinity of 9th Avenue and Creighton Road. The roof partially collapsed at the Walmart. A semi-trailer was overturned in the parking lot and another was pushed into a tree. Significant roof and window damage also occurred at the Eastgate Shopping center. Numerous trees and power lines were also downed by the severe thunderstorm winds. Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Escambia County

(PNS)Pensacola Regio

15	1802CST				0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
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Pensacola International Airport measured a wind gust of 60 mph.

Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Santa Rosa County

1 E Broxson

15	1805CST 1806CST				0	0	20.00K	0.00K	Thunderstorm Wind (61EG)
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Severe thunderstorm wind gusts around 70 mph resulted in minor roof damage and broken windows at residences along Sea Breeze Lane. Fencing was also blown down.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Santa Rosa County

Broxson

15	1808CST 1809CST				0	0	30.00K	0.00K	Thunderstorm Wind (61EG)
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Severe houses in the Santa Rosa Shores suffered roof damage due to severe thunderstorm wind gusts around 70 mph. A boat was also flipped onto a truck.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Santa Rosa County

1 NE Navarre

15	1817CST 1818CST				0	0	15.00K	0.00K	Thunderstorm Wind (61EG)
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Severe thunderstorm wind gusts near 70 mph produced minor roof damage to residences at James Harvell Road and Highway 87.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Santa Rosa County

2 NNE Navarre

15	1817CST 1818CST				0	0	15.00K	0.00K	Thunderstorm Wind (61EG)
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Severe thunderstorm winds near 70 mph produced roof damage to residences on Cosica Boulevard.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Okaloosa County

2 WNW Seminole

15	1826CST 1827CST				0	0	10.00K	0.00K	Thunderstorm Wind (61EG)
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Severe thunderstorm wind gusts between 60 and 70 mph downed two large trees with another tree falling onto a truck.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Okaloosa County

(VPS)Eglin Afb

15	1833CST				0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
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Valparaiso (KVPS) measured a wind gust of 60 mph.

Severe thunderstorms developed across the Florida Panhandle during the afternoon and evening of February 15th as a strong upper level disturbance moved from the southern Plains to the Tennessee Valley. The severe storms developed along and ahead of the trailing cold front, producing both tornadoes and straight line wind damage. Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Escambia County

1 SE Ferry Pass
1 SE Escambia

23	2010CST 2015CST		2.99	300	0	3	22.00M	0.00K	Tornado (EF3)
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Storm Data and Unusual Weather Phenomena

February 2016

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

The tornado first touched down southwest of Creighton Road and quickly strengthened as it moved northeast. The first area of EF-2 damage was noted on Lansing Drive where significant roof damage was observed to a couple of homes along with snapped power poles and extensive tree damage. The tornado crossed over Interstate 10 just west of 9th Avenue. EF-1 damage was noted primarily to hardwood trees in the area of Interstate 10 and 9th Avenue. Intensification was noted as it moved further east of 9th Avenue and east of Northpointe Boulevard. The roof was blown off of two homes, one on La Borde Lane and one on Gladstone Drive. Additional EF-2 damage to homes was observed further to the northeast on Tradewinds Drive. Two vehicles were overturned in this location. It was at this point that further intensification began. The tornado reached peak intensity as it moved over the Mooring Apartments on Old Spanish Trail and the General Electric plant. EF-3 damage was observed at two of the apartment buildings with major damage to the second story. EF-3 damage occurred at the GE plant where a warehouse was destroyed. Additional EF-3 damage was noted at the Grand Baroque townhomes on Scenic Highway where two unities were destroyed. The tornado then moved into Escambia Bay and produced additional damage once it moved into Santa Rosa County.

Santa Rosa County

1 SSW Mulat

23	2017CST								
	2021CST	2.68	100	0	0	75.00K	0.00K	Tornado (EF1)	

The tornado from Escambia County Florida moved into Santa Rosa County after moving across Escambia Bay. Some of the debris from the GE plant in Escambia County was found on the western shoreline of Santa Rosa County. EF-1 damage to trees and homes was observed near San Juan Street at Sealark Lane. The tornado continue northeast, producing additional EF-1 damage primarily to trees with some minor damage noted to other homes. The tornado finally lifted near Shetland Circle just west of Avalon Boulevard.

Okaloosa County

1 S Destin Ft Walton Arp

3 ESE (CEW)Bob Sikes Arpt

23	2135CST								
	2330CST			0	0	0.00K	0.00K	Flash Flood	

Excessive rainfall resulted in numerous flooded roads across Crestview as well as the southern portion of Okaloosa County.

A unusually strong storm system produced a highly favorable setup for severe thunderstorms and tornadoes. The highest impact across the Florida Panhandle was from a strong tornado that impacted the Pensacola metro. Some flooding was also experienced.

GEORGIA, East Central

Columbia County

Grovetown

03	1252EST								
				0	0			Thunderstorm Wind (50EG)	

County Sheriff Dispatch reported trees and power lines down in the Grovetown area.

A strong cold front approaching the region from the west produced strong to severe thunderstorms across the Central Savannah River Area. The storms downed trees and power lines. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Richmond County

6 W Augusta Daniel Arpt

24	0540EST								
				0	0			Thunderstorm Wind (55EG)	

Georgia Power reported power lines down on Belair Road. Public in the area estimated winds to be around 60 mph.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

GAZ064

Columbia

24	1230EST								
				0	4			Strong Wind	

An intense area of low pressure tracked just west of the CWA producing strong wind gusts and a few scattered strong to severe thunderstorms.

GEORGIA, Lower

Appling County

1 S Baxley

04	0500EST								
	0700EST			0	0	0.00K	0.00K	Flood	

Numerous roads closures due to heavy rainfall.

A slow moving cold front in concert with a very moist airmass and upper level lift produced locally heavy rainfall which caused minor temporary flooding in some locations.

Storm Data and Unusual Weather Phenomena

February 2016

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

Atkinson County

1 E Pearson

16	0025EST				0	0			Thunderstorm Wind (50EG)
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Widespread trees were blown down in Pearson. A large tree was blown down onto power lines. The time of damage was based on radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Appling County

1 S Baxley

16	0054EST				0	0			Thunderstorm Wind (50EG)
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Trees were blown down with some damage to homes. The time of damage was based on radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bacon County

2 SSW Coffee

16	0054EST				0	0			Thunderstorm Wind (50EG)
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A large tree was blown down and damaged a semi-truck near the Pierce and Bacon County border. The time of damage was based on radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Appling County

13 S Surrency

16	0106EST				0	0			Thunderstorm Wind (50EG)
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Trees were blown down and wind damage occurred to homes along Metts Overstreet Road in the southern portion of the county. The time of damage was based on radar.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wayne County

**2 NNW Madray Spgs
4 NE Redland**

16	0120EST 0125EST				0	0			Thunderstorm Wind (55EG)
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The Emergency Manager conducted a storm survey in the area and determined that a downburst was the cause of widespread wind damage. Near 11011 Highway 169 numerous trees were blown down, about 100, and a barn was damaged. Near 1053 Melvin Westbury Road several trees were blown down and a barn was damaged. Near 3165 Old River Road a barn was damaged, the eaves of a home were blown off, and several trees were blown down. Some structural damage was reported near 400 Woods Farm Road where a barn was damaged and numerous trees were blown down. The time of damage was based on radar.

A pre-frontal squall line pushed southward across SE Ga and NE Florida after midnight and through sunrise. Strong forcing coincided with increasing moisture to produce a fast moving squall line that caused wind damage. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Pierce County

2 NNW Bonnyman

24	0620EST				0	0	0.50K	0.00K	Thunderstorm Wind (40EG)
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A tree was blown down on a golf course. The time of damage was estimated based on radar and the cost of property damage was estimated.
Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

GAZ163

Clinch

24	1100EST 1500EST				0	0	2.0K	0.00K	Strong Wind
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A warm front was located north of the Altamaha River with the entire forecast area within the warm sector of the approaching cold front. The marginally unstable airmass combined with forcing from the approaching surface front and a potent upper level low over the Tennessee River Valley drove a couple waves of severe storms across the area, one during the early morning hours with pre-squall line storms, then additional development in the afternoon over the coastal waters.

GEORGIA, North and Central

Catoosa County

**1 ENE Ft Oglethorpe
1 SSW Red Belt**

03	0522EST 0946EST				0	0	30.00K	0.00K	Flash Flood
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The Catoosa County EMA Director reported the Black Branch came out of its banks and flooded an apartment complex parking lot off of Fant Drive in Fort Oglethorpe. The flood waters reached the foundation of a few structures forcing some evacuations. Several parked vehicles were damaged.

Storm Data and Unusual Weather Phenomena

February 2016

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

Johnson County

2 WNW Spann

4 SW Meeks

03	1624EST	2215EST			0	0	10.00K	0.00K	Flash Flood
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The Johnson County Emergency Manager reported several secondary roads from Wrightsville to Kite were closed due to flowing flood waters from nearby creeks. Some erosion to the road beds occurred.

A persistent and strong El Nino weather pattern remained over the United States into February. A deep and strong southwesterly upper-level flow across the eastern U.S. resulted in an extremely moist and moderately unstable atmosphere over north and central Georgia. A slow moving frontal boundary and a series of short waves in the southwesterly flow aloft resulted in multiple rounds of heavy rain during the day. Rainfall amounts of 3 to 4 inches in less than 12 hours caused isolated flash flooding in northwest and east central Georgia.

GAZ006-008

Fannin - Union

08	2000EST				0	0			
12	1000EST								Winter Storm

GAZ005-013-016-019>021

Bartow - Cherokee - Floyd - Murray - Pickens - White

08	2000EST				0	0			
12	1000EST								Winter Weather

GAZ023-027-031-036-039-045

Clarke - De Kalb - Hall - Madison - Paulding - Wilkes

09	0200EST				0	0			
10	1800EST								Winter Weather

A strong and deep upper-level trough remained anchored across the eastern half of the country resulting in an extended period of very cold temperatures and scattered light to occasionally moderate snow showers across northern Georgia from late in the evening on Monday, February 8th through early in the morning on Friday, February 12th. Most areas saw only trace amounts of snow accumulation, however 1 to 2 inches of snow accumulated across the higher elevations of the North Georgia mountains.

GAZ002-014>016-022>023-027-034

Dawson - Forsyth - Gwinnett - Hall - Lumpkin - Madison - Walker - White

15	0200EST				0	0			
16	1400EST								Winter Weather

Stewart County

1 SW Omaha

15	2030EST	2035EST			0	0	2.00K		Thunderstorm Wind (50EG)
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The Stewart County 911 Center reported a few trees blown down on Highway 39 about a mile southwest of Omaha.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Chattahoochee County

1 ENE Cusseta

15	2040EST	2045EST			0	0	1.00K		Thunderstorm Wind (45EG)
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The Chattahoochee County 911 Center reported a tree blown down onto Miller Road in Cusseta.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

Upson County

1 NNW Mc Crary Settlement

4 E Barker Spg

15	2110EST	2120EST			0	0	12.00K		Thunderstorm Wind (60EG)
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The Upson County 911 Center reported trees and power lines blown down from around Highway 74 and Lawrence road in the Lawrence Mill area to Pleasant Valley Road in the Hendricks area and Lanier Road in the Redbone Crossroads area.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Upton County

1 SSW Mc Kinney	15	2119EST							
1 NW Topeka Jct		2130EST			0	0	100.00K		Thunderstorm Wind (70EG)

A NWS survey team found a path of wind damage stretching about 7 miles from around 3 miles east of Thomaston to 2 miles east of The Rock. Numerous trees were blown down or snapped along this path as well as isolated incidents of structural damage. Near the intersection of Highway 74 and Rualmaine Road, the front porch was blown off of a house. The bolts securing the metal posts holding up the porch were sheared off from the concrete pad. In this same area the tin roof of a medium-sized barn was ripped off and several trees were snapped. The most concentrated damage occurred along Rock Hill School Road where as many as 50 trees were snapped or up-rooted. This is where the maximum wind speed of 80 MPH was estimated to have occurred. A few more trees were found blown down along Fambro Road east of The Rock. No further damage was found downstream along the path of this storm.

Cold air remained in place across northern Georgia north of a stationary front over central Georgia early in the morning on Monday, February 15th. A developing surface low over the lower Mississippi Valley swept northeast during the day spreading moisture north over the state. The stationary front surged northward allowing warmer and moderately unstable air to spread into central Georgia while maintaining colder and drier air over northeast Georgia. The moist unstable airmass over central Georgia combined with moderate to high low-level shear resulted in isolated severe thunderstorms with several reports of damaging winds. The precipitation associated with this system in the colder and drier airmass over northeast Georgia resulted in a period of light ice accumulation due to freezing rain and drizzle. Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Crisp County

2 S Wenona	24	0140EST							
		0145EST			0	0	10.00K		Thunderstorm Wind (50EG)

The Crisp County Emergency Manager reported the roof blown off of a pole barn along Highway 33 between Cofer Road and Landfill Road.

A deep upper-level low and its associated strong surface low pressure system swept through the region during the early morning hours. The atmosphere across central and south Georgia was moderately unstable with strong low and mid-level wind shear. A line of strong thunderstorms developed in southern Alabama and moved east into south Georgia. As this line swept east, an isolated severe thunderstorm moved northeast into central Georgia producing isolated wind damage in Crisp County. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

GAZ016

White

24	1900EST								
25	0600EST			0	0				Winter Weather

A fast moving short wave swept through north Georgia during the evening and early morning hours. Despite little available moisture, the storm was able to produce scattered snow showers in far north Georgia. Mainly trace amounts of snow were reported.

GEORGIA, Northeast

GAZ010-017

Habersham - Rabun

24	0900EST								
	1900EST			0	0	0.00K	0.00K		High Wind

Very strong west/northwest winds developed across the mountains of northeast Georgia behind a cold front during the afternoon, and continued into the evening before diminishing. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages.

Habersham County

1 SSW Clarkesville	24	0905EST							
				0	0	20.00K	0.00K		Thunderstorm Wind (40EG)

County comms reported a tree blown down on a house on View St.

A strong cold front swept across north Georgia during the morning and afternoon of the 24th. Showers and thunderstorms developing along the front produced locally strong winds, especially across the Piedmont. However, more widespread strong winds, stronger than the thunderstorm winds in some areas, developed on the cool side of the front. Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

GAZ018-029

Elbert - Stephens

24	1200EST								
	1900EST			0	0	0.00K	0.00K		High Wind

Very strong west/northwest winds developed across the portions of the foothills and Piedmont during the afternoon in the wake of a cold front. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages.

Storm Data and Unusual Weather Phenomena

February 2016

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

Liberty County

1 SSW Camp Stewart	03	1700EST							
3 N (LHW)Ft Stewart Hine		1712EST	5.7	300	0	0	5.08M		Tornado (EF0)

The National Weather Service in Charleston, South Carolina confirmed an EF-1 tornado at Fort Stewart in Liberty County Georgia with winds approximately 105 to 110 mph. The tornado began near gate 7 of the Fort Stewart base complex, likely as an EF-0, before moving northeast at approximately 35 mph through the center of the base and ending near Highway 144.

Much of the damage throughout the base was EF-0 to high end EF-1 strength. The most significant damage started at Taylors Creek Golf Course, then stretched east-northeast through a small neighborhood to Diamond Elementary School. Several large pine trees were uprooted and/or snapped throughout the golf course and neighborhood area. Approximately 6 to 10 homes were heavily damaged in this neighborhood due to large pine trees falling on them. One home had nearly 75 percent of the roof removed, but the roof was not strapped down to the walls which kept the tornado strength to a high end EF-1 rating. Three cars were also rolled over or moved approximately 20 feet in the parking lot of Diamond Elementary School. The school had roof damage on one corner of the gymnasium. As the tornado continued to move northeast, it snapped many trees and downed power lines along Hero Road near Eisenhower Village. After this point, the tornado continued northeast into a heavily wooded area with sporadic snapped trees and downed limbs until lifting near Highway 144. The tornado lasted approximately 10 to 12 minutes before dissipating at Highway 144.

Total damage reported along the path of the tornado included approximately 42 homes, 150 to 200 vehicles and 8 unit facilities within or near the Fort Stewart area. Total damage cost was estimated to be 5.08 million dollars.

A cluster of low-topped supercell thunderstorms developed within a high shear/low CAPE environment ahead of a QLCS advancing into southeast Georgia. One storm in particular produced a high end EF-1 tornado with significant damage to homes and property across Fort Stewart, GA.

Tattnall County

3 SW Hughland	04	1000EST 1100EST			0	0	0.00K	0.00K	Flash Flood
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The Tattnall County 911 Call Center reported Dewitt Tatem Road closed between Lelia McCloed Road and Leonard Iddings Road due to flooding.

Tattnall County

7 NNW Cobbtown	04	1040EST 1140EST			0	0	0.00K	0.00K	Flash Flood
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The Tattnall County 911 Call Center reported Henry Moxley Road closed near the intersection with Handy Kennedy Road due to flooding.

Tattnall County

2 W Mendes 4 SE Collins	04	1040EST 1140EST			0	0	0.00K	0.00K	Flash Flood
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The Tattnall County 911 Call Center reported Andron Tootle Road closed and Eli Kennedy Road closed near the intersection with Joe Kennedy Road due to flooding.

A deep swath of moisture characterized by PWATs three standard deviations above normal became anchored over the southeastern United States as a cold front slowly moved through the area. Conditions favored widespread rain that eventually led to flash flooding over a few locations in southeast Georgia.

Evans County

2 W Daisy	16	0134EST 0135EST			0	0			Thunderstorm Wind (65EG)
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The public reported the walls of a metal shed ripped off, minor vinyl siding and shingle damage to a mobile home and a few trees blown down along Sims Brothers Road between Daisy and Claxton Georgia.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Long County

2 SW Aimar	16	0145EST 0146EST			0	0			Thunderstorm Wind (70EG)
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The Long County 911 Call Center reported several trees and power lines down in and near Land Of Lakes Mobile Home Park. Several mobile homes and 4 vehicles were reported with damage.

Note: The estimated wind gust of 70 knots is equivalent to 81 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Liberty County

**2 E Gum Branch
3 NNE Mc Intosh**

16	0151EST 0158EST				0	0			Thunderstorm Wind (65EG)
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A Liberty County emergency manager reported a portion of a wooden fence blown over, several large trees uprooted or broken off and numerous large tree limbs down around Cherokee Rose Country Club. A Fort Stewart emergency manager also reported a small shack blown off its foundation and torn apart.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Chatham County

1 WNW Vernonburg

16	0224EST 0225EST				0	0			Thunderstorm Wind (55EG)
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Three trees were blown down by thunderstorm winds. One tree blocked Balboa Boulevard. Other fallen trees destroyed a storage building, damaged wooden and chained link fences and pulled down power lines on Ventura Boulevard.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Chatham County

2 SSE Bona Bella

16	0225EST 0226EST				0	0			Thunderstorm Wind (50EG)
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Savannah media relayed a picture of a tree that fell and brought down power lines at the Savannah Christian Preparatory School near the intersection of Interstate 16 and Chatham Parkway.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Chatham County

2 NNE Savannah

16	0230EST 0231EST				0	0			Thunderstorm Wind (50EG)
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Savannah media relayed a report from Savannah police of a tree down on Truman Parkway near President Street.

An eastward moving QLCS produced damaging winds over southeast Georgia as it encountered a high shear/low CAPE environment within the warm sector of a surface low shifting through northern Georgia and the upstate of South Carolina. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

GAZ119

Coastal Chatham

24	1641EST 1642EST				0	0	4.5K	0.00K	Strong Wind
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A strong low level jet developed over the southeastern United States ahead of an eastward advancing cold front, which eventually led to damaging wind gusts over southeast Georgia.

GEORGIA, Southwest

Lee County

**2 W Scrutchins
1 NNE Neyami**

03	2000EST								
04	0000EST				0	0	0.00K	0.00K	Flood

Dixie and Gosa roads were closed due to flooding.

Tift County

2 NE Tifton

03	2000EST								
04	0500EST				0	0	0.00K	0.00K	Flood

Kent Road at Cypress Ridge Road was closed due to flooding.

Tift County

**Fender
1 SSW Tifton-Tift Arpt**

03	2100EST								
04	0500EST				0	0	0.00K	0.00K	Flood

Highway 41 South from Tifton Eldorado Road to Oakridge Church Road was closed due to water over the roadway.

Heavy rainfall amounts of 3 to 5 inches caused flooding of some dirt roads across portions of Lee and Tift counties.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
GEORGIA, Southwest									
Quitman County									
Georgetown	15	2020EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
There were 2 reports of trees down in Quitman county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Randolph County									
1 W Carnegie	15	2057EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down on Highway 216. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Randolph County									
Shellman	15	2107EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down in the Shellman area. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Terrell County									
Graves	15	2115EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down in the Graves area. A strong upper level trough and cold pushed through the region during the evening of February 15th. Ahead of it, a squall line progressed across the area with reports of damaging wind gusts, mainly in the form of trees and power lines blowing down. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Early County									
4 SW Kolomoki Mounds State Park	24	0007EST 0012EST	2.24	350	0	0	0.00K	0.00K	Tornado (EF1)
This tornado began around Grimsley Road with tree damage noted in surrounding fields and along the road. It then moved northeast, crossing State Highway 39 to the northwest of Blakely. The most significant damage was noted in a grove of trees off Cotton Patch Road, with numerous mature, healthy trees snapped or uprooted. This tornado was rated EF1 with max winds estimated around 105 mph.									
Clay County									
1 SSE Fort Gaines	24	0015EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down around Highway 37 near Fort Gaines. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Early County									
4 NNW Rowena	24	0050EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down onto a power line near Arlington resulting in a power outage. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Terrell County									
2 E Clarks Mill Chickasawhatchee	24	0055EST 0102EST	5.09	200	0	0	0.00K	0.00K	Tornado (EF1)
Damage along this path was primarily to pine and pecan trees. A portion of the southern end was a focused area of uprooted and snapped mature pines. Much of the tornado track ran along Bobby Locke Road. This tornado was rated EF1 with max winds estimated around 90 mph.									
Lee County									
2 SSW Oakland	24	0110EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down on Hickory Ridge Court. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Dougherty County									
4 N Walker	24	0120EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down on the 5400 block of Old Dawson Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Dougherty County									
5 N Lockett Crossing	24	0122EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
Two trees fell on a home on the 2800 block of Doublegate Drive. Damage was estimated. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
GEORGIA, Southwest									
Dougherty County									
3 NW Albany	24	0122EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A large pine tree was blown down in northwest Albany per a public post to the WALB-TV facebook page.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Lee County									
1 SE Stocks	24	0122EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down off Stocks Dairy Road per a public post to the WALB-TV facebook page.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Lee County									
3 SSE Chocee	24	0126EST 0127EST	0.2	75	0	0	50.00K	0.00K	Tornado (EF1)
	This tornado touched down briefly at this location with a path length of less than one half mile. There was significant damage to a mobile home roof, along with the complete removal of an asphalt roof of a single family home. This tornado was rated EF1 with max winds estimated around 105 mph. Damage cost was estimated.								
Worth County									
Warwick	24	0130EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A few trees were blown down.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Decatur County									
1 N Bethany	24	0206EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on Spring Creek Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Worth County									
1 NNE Sylvester	24	0230EST			0	0	20.00K	0.00K	Thunderstorm Wind (60EG)
	The roof was partially blown off of Lighthouse Church near Sylvester. Damage was estimated.								
	Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Grady County									
2 SSE Boydville 1 S Akridge	24	0245EST 0302EST	12.81	400	0	0	20.00K	0.00K	Tornado (EF1)
	The tornado touched down southeast of Whigham and traveled northeast, crossing Highway 84 between Whigham and Cairo. The tornado lifted northeast of Cairo. The bulk of the damage was to trees and power lines with some minor damage to a few homes, mainly caused by falling trees. The strongest winds were likely along Providence Road where multiple trees were snapped at various levels. In addition, a partially strapped mobile home was moved from its foundation just north of Cairo. Six people were inside the mobile home, and nobody was injured. This tornado was rated EF1 with max winds estimated at 90 mph. Damage cost was estimated.								
Thomas County									
1 ENE Homestead Park	24	0326EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
	A power line was blown down near Thomasville.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Thomas County									
2 WNW Newark	24	0339EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down onto a power line on Highway 84 east of Thomasville.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Colquitt County									
Moultrie	24	0402EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down near the intersection of 3rd Street and 12th Ave.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

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

Lowndes County I-75 At Exit 22

24	0455EST				0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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A gas station awning was damaged along I-75 at exit 22.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Lowndes County 2 NE I-75 At Exit 22

24	0455EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down along Val Del Road.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Lowndes County 1 WNW Valdosta

24	0455EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down on West Adair Street.
An unusually strong upper level trough and area of low pressure moved across the southeast states during the Feb 23-24 period, bringing with it numerous reports of wind damage and tornadoes. The low level jet was particularly strong with very strong 0-1 km shear values in excess of 60 knots. The 0-1 km helicity values were in excess of 1000 m²/s² in some areas with CAPE values around 500 j/kg. There were a total of 11 tornadoes across southeast Alabama and southwest Georgia, including 9 EF1 tornadoes and 2 EF0 tornadoes. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

HAWAII

HIZ001>003-006> 008-012>013-017- 019>020

Kauai Leeward - Kauai Windward - Maui Central Valley - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Waianae Coast - Windward Haleakala

01	0400HST								
03	2100HST				0	0	0.00K	0.00K	High Surf

An incoming northwest swell generated surf of 10 to 20 feet along the north- and west-facing shores of Niihau and Kauai, and the north-facing shores of Oahu, Molokai, and Maui; and 8 to 15 feet along the west-facing shores of Oahu and Molokai. There were no reports of serious injuries or property damage.

HIZ028

Big Island Summit

06	2330HST								
07	1900HST				0	0			High Wind

Very strong winds developed over the Big Island Summits, reaching high wind warning levels by 11:30 pm HST on the 6th, and peaking out between 10 am HST on the 7th and 3 pm HST on the 7th. During the peak, wind gusts reached 114 mph at the CFHT observing station on Mauna Kea summit. Sustained winds reached up to 80 mph during this event.

HIZ001>003-006> 008-012>013-017- 020-023-026

Kauai Leeward - Kauai Windward - Kohala - Kona - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Waianae Coast - Windward Haleakala

07	1200HST				0	0	0.00K	0.00K	High Surf
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A series of swells from the northwest produced surf of 15 to 30 feet, with some sets as high as 50 feet, along the north-facing shores of Niihau, Kauai, Oahu, Molokai, and Maui; 10 to 20 feet, with occasional sets to 35 feet, along the west-facing shores of Niihau, Kauai, Oahu, and Molokai; and 6 to 10 feet along the west-facing shores of the Big island of Hawaii. The surf periodically inundated portions of roadways on Oahu's North Shore, along Pupukea's Ke Waena Road for instance, and in the windward area, with some surfaces sustaining damage. The most significant problem occurred near Kaaawa along Kamehameha Highway, where rough surf washed out the northbound lane. The cost of the damages was not available. No serious injuries were reported.

HIZ023-026

Kohala - Kona

11	1600HST								
18	1400HST				0	0	0.00K	0.00K	Wildfire

Several fires in leeward parts of the Big Island of Hawaii scorched more than 1100 acres of dry brush and fountain grass. The fires were located near and along major roadways, especially in the vicinity of the Daniel K. Inouye Highway and Highway 190 between Kailua-Kona and Waimea. The blazes disrupted traffic as roads had to be closed occasionally because of the fires' danger to motorists. The incidents were being treated as cases of arson. No homes or other structures were threatened. No serious injuries were reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

HIZ021

Leeward Haleakala

15	1740HST								
29	2359HST				0	0	0.00K	0.00K	Wildfire

A fire blackened about 5300 acres of dry brush, grass, and haole koa in the southern parts of East Maui. The blaze was along and on either side of Piilani Highway between mile markers 22 and 27, which forced the closure of the roadway for periods of time while firefighters worked to get the fire under control. The blaze also caused 10 residents to flee the Kahikinui Homesteads as a precaution.

The fire was contained by Saturday, Feb. 20, but it was not extinguished because much of it was inaccessible. Another flare-up occurred on the 24th, and the fire began moving up the slope of Haleakala. It remained inaccessible in places, so fire officials planned to let the blaze burn itself out. The cause of the fire was not known. No serious injuries or property damage were reported.

HIZ002-008-012-017-020-024>025

Big Island North and East - Kauai Windward - Maui Windward West - Molokai Windward - Oahu Koolau - Olomana - South Big Island - Windward Haleakala

16	0700HST								
19	1200HST				0	0	0.00K	0.00K	High Surf

Strong northeast winds induced a short-period swell train that caused surf of 6 to 10 feet along the east-facing shores of Kauai, Oahu, Molokai, Maui, and the Big island of Hawaii. There were no reports of significant property damage or injuries.

Kauai County

4 NNW Anahola
1 ENE Makole

16	1400HST								
	1600HST				0	0	0.00K	0.00K	Heavy Rain

Heavy showers over northern parts of Kauai raised stream levels and trapped hikers along the Kalalau Trail in the Napali Coast State Wilderness Park. Hanakapiai Stream flooded and forced about a dozen individuals to spend a night stranded near the waterway. One couple had almost been swept away when they unsuccessfully attempted to cross the swollen stream on a makeshift line. However, no significant property damage or injuries were reported.

On Maui, heavy downpours flooded the Maui County Service Center at the Maui Mall in Kahului. The rain damaged computers and motor vehicle records, and shut down power. The cost of damages was not available. There no serious injuries.

HIZ008

Oahu Koolau

16	2030HST								
	2035HST				0	1	0.00K	0.00K	Strong Wind

Strong winds caused power outages, downed trees, and blew roofs off structures in parts of Oahu, including Manoa, Aina Haina, Kalihi, and Nuuanu. The winds were associated with strong high pressure centered far northwest of the Aloha State. The cost of the damages was not available. One man was slightly injured in Nuuanu when a tree fell on his home and trapped him in his bed. No other injuries were reported.

Maui County

2 S Kahakuloa
3 SW Pukalani

16	2130HST								
17	0115HST				0	0	0.00K	0.00K	Heavy Rain

Heavy showers over northern parts of Kauai raised stream levels and trapped hikers along the Kalalau Trail in the Napali Coast State Wilderness Park. Hanakapiai Stream flooded and forced about a dozen individuals to spend a night stranded near the waterway. One couple had almost been swept away when they unsuccessfully attempted to cross the swollen stream on a makeshift line. However, no significant property damage or injuries were reported.

On Maui, heavy downpours flooded the Maui County Service Center at the Maui Mall in Kahului. The rain damaged computers and motor vehicle records, and shut down power. The cost of damages was not available. There no serious injuries.

HIZ001>003-006>009-012>013-017>020-023-025>026

Big Island North and East - Kauai Leeward - Kauai Windward - Kohala - Kona - Maui Central Valley - Maui Leeward West - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Olomana - Waianae Coast - Windward Haleakala

21	2000HST								
29	0300HST				1	0	0.00K	0.00K	High Surf

Storm Data and Unusual Weather Phenomena

February 2016

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

Large swells from the northwest generated surf of 20 to 40 feet, with sets as high as 55 feet, on the north- and west-facing shores of Niihau and Kauai, and the north-facing shores of Oahu, Molokai, and Maui; and 15 to 25 feet, with sets as high as 35 feet, on the west-facing shores of Oahu and Molokai, and the north-facing shores of the Big Island of Hawaii; and 8 to 12 feet along the west-facing shores of Maui and the Big Island.

The large surf caused beach erosion and damage to roadways in some cases, inundated parking areas in coastal recreation areas, and closed beaches. One man was swept out to sea as a large wave broke where he was taking pictures at Queen's Bath on Kauai. The cost of damages was not available. No other significant injuries were reported. M281W

HIZ019-021

Leeward Haleakala - Maui Central Valley

23	0600HST								
29	2359HST			0	0	0.00K	0.00K		Drought

With El Nino conditions persisting, rainfall has decreased across the Hawaiian Islands. Drought conditions have been expanding over the island chain. The severe drought level, the D2 category in the Drought Monitor, has been reached over parts of leeward East Maui.

HIZ001>003-006> 008-012>013-017- 019>020

Kauai Leeward - Kauai Windward - Maui Central Valley - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Waianae Coast - Windward Haleakala

01	0400HST								
03	2100HST			0	0	0.00K	0.00K		High Surf

An incoming northwest swell generated surf of 10 to 20 feet along the north- and west-facing shores of Niihau and Kauai, and the north-facing shores of Oahu, Molokai, and Maui; and 8 to 15 feet along the west-facing shores of Oahu and Molokai. There were no reports of serious injuries or property damage.

HIZ028

Big Island Summit

06	2330HST								
07	1900HST			0	0				High Wind

Very strong winds developed over the Big Island Summits, reaching high wind warning levels by 11:30 pm HST on the 6th, and peaking out between 10 am HST on the 7th and 3 pm HST on the 7th. During the peak, wind gusts reached 114 mph at the CFHT observing station on Mauna Kea summit. Sustained winds reached up to 80 mph during this event.

HIZ001>003-006> 008-012>013-017- 020-023-026

Kauai Leeward - Kauai Windward - Kohala - Kona - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Waianae Coast - Windward Haleakala

07	1200HST			0	0	0.00K	0.00K		High Surf
16									

A series of swells from the northwest produced surf of 15 to 30 feet, with some sets as high as 50 feet, along the north-facing shores of Niihau, Kauai, Oahu, Molokai, and Maui; 10 to 20 feet, with occasional sets to 35 feet, along the west-facing shores of Niihau, Kauai, Oahu, and Molokai; and 6 to 10 feet along the west-facing shores of the Big island of Hawaii.

The surf periodically inundated portions of roadways on Oahu's North Shore, along Pupukea's Ke Waena Road for instance, and in the windward area, with some surfaces sustaining damage. The most significant problem occurred near Kaaawa along Kamehameha Highway, where rough surf washed out the northbound lane. The cost of the damages was not available. No serious injuries were reported.

HIZ023-026

Kohala - Kona

11	1600HST								
18	1400HST			0	0	0.00K	0.00K		Wildfire

Several fires in leeward parts of the Big Island of Hawaii scorched more than 1100 acres of dry brush and fountain grass. The fires were located near and along major roadways, especially in the vicinity of the Daniel K. Inouye Highway and Highway 190 between Kailua-Kona and Waimea. The blazes disrupted traffic as roads had to be closed occasionally because of the fires' danger to motorists. The incidents were being treated as cases of arson. No homes or other structures were threatened. No serious injuries were reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

HIZ021

Leeward Haleakala

15	1740HST								
29	2359HST				0	0	0.00K	0.00K	Wildfire

A fire blackened about 5300 acres of dry brush, grass, and haole koa in the southern parts of East Maui. The blaze was along and on either side of Piilani Highway between mile markers 22 and 27, which forced the closure of the roadway for periods of time while firefighters worked to get the fire under control. The blaze also caused 10 residents to flee the Kahikinui Homesteads as a precaution.

The fire was contained by Saturday, Feb. 20, but it was not extinguished because much of it was inaccessible. Another flare-up occurred on the 24th, and the fire began moving up the slope of Haleakala. It remained inaccessible in places, so fire officials planned to let the blaze burn itself out. The cause of the fire was not known. No serious injuries or property damage were reported.

HIZ002-008-012-017-020-024>025

Big Island North and East - Kauai Windward - Maui Windward West - Molokai Windward - Oahu Koolau - Olomana - South Big Island - Windward Haleakala

16	0700HST								
19	1200HST				0	0	0.00K	0.00K	High Surf

Strong northeast winds induced a short-period swell train that caused surf of 6 to 10 feet along the east-facing shores of Kauai, Oahu, Molokai, Maui, and the Big island of Hawaii. There were no reports of significant property damage or injuries.

Kauai County

4 NNW Anahola
1 ENE Makole

16	1400HST								
	1600HST				0	0	0.00K	0.00K	Heavy Rain

Heavy showers over northern parts of Kauai raised stream levels and trapped hikers along the Kalalau Trail in the Napali Coast State Wilderness Park. Hanakapiai Stream flooded and forced about a dozen individuals to spend a night stranded near the waterway. One couple had almost been swept away when they unsuccessfully attempted to cross the swollen stream on a makeshift line. However, no significant property damage or injuries were reported.

On Maui, heavy downpours flooded the Maui County Service Center at the Maui Mall in Kahului. The rain damaged computers and motor vehicle records, and shut down power. The cost of damages was not available. There no serious injuries.

HIZ008

Oahu Koolau

16	2030HST								
	2035HST				0	1	0.00K	0.00K	Strong Wind

Strong winds caused power outages, downed trees, and blew roofs off structures in parts of Oahu, including Manoa, Aina Haina, Kalihi, and Nuuanu. The winds were associated with strong high pressure centered far northwest of the Aloha State. The cost of the damages was not available. One man was slightly injured in Nuuanu when a tree fell on his home and trapped him in his bed. No other injuries were reported.

Maui County

2 S Kahakuloa
3 SW Pukalani

16	2130HST								
17	0115HST				0	0	0.00K	0.00K	Heavy Rain

Heavy showers over northern parts of Kauai raised stream levels and trapped hikers along the Kalalau Trail in the Napali Coast State Wilderness Park. Hanakapiai Stream flooded and forced about a dozen individuals to spend a night stranded near the waterway. One couple had almost been swept away when they unsuccessfully attempted to cross the swollen stream on a makeshift line. However, no significant property damage or injuries were reported.

On Maui, heavy downpours flooded the Maui County Service Center at the Maui Mall in Kahului. The rain damaged computers and motor vehicle records, and shut down power. The cost of damages was not available. There no serious injuries.

HIZ001>003-006>009-012>013-017>020-023-025>026

Big Island North and East - Kauai Leeward - Kauai Windward - Kohala - Kona - Maui Central Valley - Maui Leeward West - Maui Windward West - Molokai Leeward - Molokai Windward - Niihau - Oahu Koolau - Oahu North Shore - Olomana - Waianae Coast - Windward Haleakala

21	2000HST								
29	0300HST				1	0	0.00K	0.00K	High Surf

Storm Data and Unusual Weather Phenomena

February 2016

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

Large swells from the northwest generated surf of 20 to 40 feet, with sets as high as 55 feet, on the north- and west-facing shores of Niihau and Kauai, and the north-facing shores of Oahu, Molokai, and Maui; and 15 to 25 feet, with sets as high as 35 feet, on the west-facing shores of Oahu and Molokai, and the north-facing shores of the Big Island of Hawaii; and 8 to 12 feet along the west-facing shores of Maui and the Big Island.

The large surf caused beach erosion and damage to roadways in some cases, inundated parking areas in coastal recreation areas, and closed beaches. One man was swept out to sea as a large wave broke where he was taking pictures at Queen's Bath on Kauai. The cost of damages was not available. No other significant injuries were reported. M281W

HIZ019-021

Leeward Haleakala - Maui Central Valley

23	0600HST							
29	2359HST			0	0	0.00K	0.00K	Drought

With El Nino conditions persisting, rainfall has decreased across the Hawaiian Islands. Drought conditions have been expanding over the island chain. The severe drought level, the D2 category in the Drought Monitor, has been reached over parts of leeward East Maui.

IDAHO, North

Idaho County 4 E Mt Idaho

12	0000PST							
19				0	0			Heavy Rain

South Fork RAWS reported 0.50 inches of rain over the 7 days preceding the event. The greatest 1 day rainfall was Feb 15, when 0.23 inches fell.

Idaho County 8 SW Red River Hot Spgs

12	0000PST							
19				0	0			Heavy Rain

Red River RAWS reported 1.08 inches of rain over the 7 days preceding the event. The greatest 1 day rainfall was Feb 14, when 0.48 inches fell.

Idaho County 5 SE Lowell

12	0000PST							
19				0	0			Heavy Rain

Fenn Ranger Station RAWS reported 2.21 inches of rain over the 7 days preceding the event. The greatest 1 day rainfall was Feb 15, when 0.81 inches fell.

Significant debris slid onto Idaho Highway 14 between Grangeville and Elk City, cutting off the only route into Elk City and Dixie (total population 250). This is a slide prone area, but significant rain had occurred during the prior week. Roughly 200-400% of average rainfall occurred during the week ending 2/20/16, most of which occurred during an atmospheric river event on the 14th and 15th. Nearby observations indicate there was virtually no precipitation in the 48 hours immediately prior to the slide, but the soaking precipitation during the atmospheric river, seasonal snowmelt, and thaw/refreeze cycles may have all played a role in this event. Clearing debris and creating a safe corridor for travel continued for months after the event.

IDAHO, Northwest

IDZ001

Northern Panhandle

03	2000PST							
04	0845PST			0	0	0.00K	0.00K	Heavy Snow

A winter storm system brought mostly light snow to North Idaho but a few locations received a bit more.

19	1000PST							
20	0242PST			0	0	0.00K	0.00K	Heavy Snow

A negatively tilted cold front pushed through the area and brought heavy snow to mountain locations of North Idaho above 4000 feet MSL on Friday February 19th and the early morning of Saturday February 20th.

Storm Data and Unusual Weather Phenomena

February 2016

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

IDZ020

Upper Snake River Plain

04	0400MST 1700MST				0	0	12.0K	0.00K	Winter Weather
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Several traffic accidents and slide offs occurred on snow covered roads in the Upper Snake River Plain during the morning of February 4th.

IDZ031

Big and Little Wood River Region

15	1300MST 1500MST				0	0	0.00K	0.00K	Avalanche
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An avalanche blocked a portion of Highway 75 north of Ketchum at 1 pm. By 2:50 p.m. the pass indicated that it had been cleared. The avalanche occurred between North Bigwood Drive and West Sage Road.

IDZ018-031

Big and Little Wood River Region - Sawtooth Mountains

17	1500MST				0	0	0.00K	0.00K	Heavy Snow
19	0400MST				0	0	0.00K	0.00K	Heavy Snow

A Pacific storm system brought 9 to 17 inches of snow to the central mountains.

ILLINOIS, Central

ILZ043-053

De Witt - Macon

24	0500CST 1600CST				0	0	0.00K	0.00K	Winter Storm
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ILZ038-044>046-054>057-061>062

Champaign - Coles - Cumberland - Douglas - Edgar - Mclean - Moultrie - Piatt - Shelby - Vermilion

24	0600CST 2100CST				0	0	0.00K	0.00K	Blizzard
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A powerful winter storm system impacted parts of central and southeast Illinois on February 24th, bringing snow and strong winds. Low pressure tracked from east Texas during the evening of February 23rd to Ohio by the evening of the 24th. This particular track focused the heaviest precipitation across east-central Illinois, mainly east of the I-55 corridor. Snowfall amounts generally ranged from 3 to 6 inches; however, very strong northerly winds gusting as high as 45 to 55 mph created blizzard conditions for several hours. Considerable blowing and drifting snow reduced visibility to less than 1/4 mile at times, and caused numerous traffic accidents. One person died in Cumberland County as a result of a collision with a semi truck.

ILZ045-066

Champaign - Effingham

28	1200CST 1600CST				0	0	3.0K	0.00K	Strong Wind
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The pressure gradient between a departing high and an approaching cold front produced strong southwesterly winds across central Illinois on February 28th. Winds gusting as high as 40 to 50 mph were focused mainly along and east of the I-55 corridor during the afternoon. Minor wind damage was reported in Champaign and Effingham counties.

ILLINOIS, Northeast

ILZ003-006-010-012>014-019>022

Cook - Du Page - Grundy - Kane - Kendall - La Salle - Lake - Lee - Will - Winnebago

19	1116CST 1530CST				0	1	100.0K	0.00K	High Wind
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A fast moving low pressure system across the upper Midwest brought a rapid change in pressure, which induced high sustained winds.

Storm Data and Unusual Weather Phenomena

February 2016

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

ILZ014-022

Cook - Will

24	1045CST 0000CST				0	0	0.00K	0.00K	Heavy Snow
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The highest snowfall amounts and impacts were observed in Will and Kankakee counties. This combined with winds gusting in excess of 40 mph created near zero visibility at times, and led to motorists being stranded and requiring rescue. Some of the highest snowfall reports include: 9.1 inches near Crete (Will).

ILLINOIS, Northwest

ILZ001-007-009-015>018-026

Bureau - Carroll - Henry - Jo Daviess - Putnam - Rock Island - Stephenson - Warren - Whiteside

19	1100CST 1440CST				0	0	0.00K	0.00K	High Wind
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A strong low pressure system moving just north of Iowa, brought a very strong cold front through Iowa and Illinois during the mid morning through afternoon of February 19th. Behind this cold front, sustained west winds of 35 to 40 mph gusted frequently to 60 to 63 mph over all of eastern Iowa and northern Illinois found generally along and north of Interstate 80.

ILLINOIS, South

Alexander County 3 ESE Cairo

07	1300CST								
12	0010CST				0	0	0.00K	0.00K	Flood

Minor flooding of the Ohio River inundated some low-lying fields and woodlands along the river.

Gallatin County Shawneetown

07	2300CST								
10	1700CST				0	0	0.00K	0.00K	Flood

Minor flooding of the Ohio River inundated some low-lying woods and fields along the river.

During the first few days of the month, a cold front stalled to the south of the Ohio Valley and then lifted back north. A strong low pressure system then moved northeast across the Plains, dragging a cold front east across the Lower Ohio Valley. The rainfall associated with these frontal passages caused minor flooding on parts of the Ohio River.

ILZ075>078-080>094

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jackson - Jefferson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

14	0700CST 1400CST				0	0	0.00K	0.00K	Winter Weather
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One to three inches of snow fell across most of southern Illinois. From the Carbondale area east and south to the Ohio River, the snow fell heavily for about an hour. Visibility was reduced to about one-quarter mile. Mainly south of the Marion/Carbondale area, the snow changed to light freezing rain before ending. Ice accumulations were less than a tenth of an inch. Roads were slick and very hazardous. In one Illinois State Police district, troopers responded to two dozen reports of vehicles sliding off the road. The precipitation was caused by a strong southerly flow of moist air on the back side of a high pressure system over the Appalachian Mountains. Abundant low-level moisture and warmer air was drawn northward over initially cold air at the surface. A strong but compact 500 mb shortwave over the central Plains enhanced precipitation rates.

ILZ075>078-080>094

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jackson - Jefferson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

15	0700CST 1100CST				0	0	0.00K	0.00K	Dense Fog
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Storm Data and Unusual Weather Phenomena

February 2016

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

Widespread dense fog blanketed southern Illinois during the morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred under a weak surface high to the north of a stationary front over the Tennessee Valley.

**ILZ075>078-080>
094**

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jackson - Jefferson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

16	0100CST 0700CST				0	0	0.00K	0.00K	Dense Fog
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Widespread dense fog blanketed southern Illinois during the early morning hours. Visibility was one-quarter mile or less. The dense fog occurred under a narrow ridge of high pressure that extended from the central Gulf coast northward to the Wabash River Valley. Light winds and moist ground from recent rain and snowmelt set the stage for the fog.

**ILZ084>087-089>
091**

Gallatin - Hardin - Jackson - Johnson - Pope - Saline - Williamson

16	1000CST 1600CST				0	0	0.00K	0.00K	Winter Weather
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From one to two inches of heavy wet snow fell across parts of southern Illinois. The accumulating snow fell in a narrow band from Carbondale and Marion east across Harrisburg to the Ohio River. Northern parts of Pope and Johnson Counties also received slushy accumulations of up to two inches. Moderate snow reduced visibility to one-half mile for a few hours. Although temperatures were slightly above the freezing point, the snow fell heavily enough to coat roadways. Roads were reported to be slushy and hazardous in some places. The precipitation occurred ahead of a compact 500 mb shortwave that moved southeast from the central Plains across the Mississippi Valley. Surface winds were southeast ahead of the low pressure system, bringing milder air into parts of southern Illinois. However, temperatures aloft were quite cold. Where precipitation rates were heavy enough, the precipitation fell as snow.

19	0600CST 1300CST				0	0	1.0K	0.00K	High Wind
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**ILZ075>078-080>
083-085>094**

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jefferson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

19	0600CST 1300CST				0	0	32.0K	0.00K	Strong Wind
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Strong south to southwest winds gusting up to 60 mph buffeted southern Illinois. The strongest measured wind gust was 60 mph at the Carbondale airport. Other measured peak gusts included 56 mph at the Carmi airport, 52 mph at the Marion airport, 49 mph at the Harrisburg airport, and 47 mph at the fire weather station in the Crab Orchard National Wildlife Refuge near Marion. In Saline County, a transformer and power lines were blown down at Raleigh. The cause of the strong winds was a strong pressure gradient between low pressure over the upper Mississippi Valley and high pressure over the Eastern seaboard.

20	0200CST 0800CST				0	0	0.00K	0.00K	Dense Fog
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**ILZ076>078-080>
094**

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jackson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

20	0200CST 0700CST				0	0	0.00K	0.00K	Dense Fog
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Dense fog blanketed southern Illinois during the early morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred in a light southerly flow of moist air around high pressure centered off the Carolina coast.

ILZ075-080-084

Jackson - Jefferson - Perry

24	0700CST 1230CST				0	0	90.0K	0.00K	Winter Storm
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Storm Data and Unusual Weather Phenomena

February 2016

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

ILZ076-081-085-088

Franklin - Hamilton - Union - Wayne - Williamson

24	0700CST				0	0	0.00K	0.00K	Winter Weather
	1230CST								

A combination of heavy wet snow and strong winds during the morning hours produced major impacts in parts of southern Illinois. About 4 inches of heavy wet snow fell north and west of a line from Mount Vernon to Murphysboro, including most of Perry County. The highest impacts were in Perry and Jefferson Counties, where scattered power outages occurred. More than 3,000 people lost power in Jefferson County alone. A church in Mount Vernon opened as a shelter for those without power or heat. Sustained north winds ranged from 20 to 30 mph, with gusts up to 40 mph. The peak wind gust at the Carbondale airport was 40 mph. A few trees were uprooted in Perry County, causing spotty power outages in Du Quoin and Pinckneyville. To the southeast, from 1 to 3 inches of snow fell as far southeast as a line from Fairfield to Marion to Anna. The snow fell heavily for a few hours, reducing visibility as low as one-quarter mile at the Carbondale airport. Roads were very slick and hazardous. Dozens of cars slid off roads in Jefferson County alone. Temperatures were from 32 to 34 degrees, which resulted in a heavy, wet snowfall. Specific snowfall reports included: 4 inches at Pinckneyville, 4 inches on the Jackson/Randolph County line near Campbell Hill, 3.5 inches at Dix (just north of Mount Vernon), 2 inches at Mount Vernon, 2 to 3 inches at Marion, and 1.5 inches at Anna (in Union County). This heavy precipitation event was caused by a couple of weak surface lows that consolidated into a strong low pressure center over western Kentucky. At 500 mb, the phasing of a northern stream shortwave over the northern Plains with a moist southern stream shortwave over Texas resulted in a deep low over the Lower Ohio Valley. North and west of the low track, rain transitioned to snow very late at night and continued through the morning.

Alexander County
3 ESE Cairo

25	1700CST				0	0	0.00K	0.00K	Flood
29	2359CST								

Minor flooding occurred along the Ohio River. There was flooding of low-lying bottomland woods and fields. The river continued rising into March.

Pulaski County
Olmsted
2 SE Levings

25	1700CST				0	0	0.00K	0.00K	Flood
29	2359CST								

Minor flooding occurred along the Ohio River. There was flooding of low-lying bottomland woods and fields. The river continued rising into March.

Massac County
Brookport

25	1900CST				0	0	0.00K	0.00K	Flood
29	2359CST								

Minor flooding occurred along the Ohio River. Small portions of Fort Massac State Park were flooded. There was flooding of low-lying bottomland woods and fields. The river continued rising into March.

Gallatin County
Shawneetown

26	0200CST				0	0	0.00K	0.00K	Flood
29	2359CST								

Minor flooding occurred along the Ohio River. Some low-lying bottomland woods and fields were inundated. The river continued rising into March.

White County
Carmi
1 E Carmi Muni Arpt

27	2100CST				0	0	0.00K	0.00K	Flood
29	2359CST								

Minor flooding occurred along the Little Wabash River. Some low-lying fields were flooded. The river continued rising into early March.

Between the 20th and the 25th, a quasi-stationary front sagged south across the Lower Ohio Valley. It then lifted back north as an area of low pressure developed on the front and moved northeast. Widespread showers with moderate to heavy rain fell during this time period. As the cold front moved through on the 24th, enough cold air wrapped into the system to change the rain to snow in some areas. Liquid precipitation during this period ranged between 1 and 3 inches. The rain and melting snow brought the Ohio and Little Wabash rivers above flood stage by the end of the month.

ILZ075>078-080>094

Alexander - Edwards - Franklin - Gallatin - Hamilton - Hardin - Jackson - Jefferson - Johnson - Massac - Perry - Pope - Pulaski - Saline - Union - Wabash - Wayne - White - Williamson

28	1200CST				0	0	37.0K	0.00K	Strong Wind
	1500CST								

Storm Data and Unusual Weather Phenomena

February 2016

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

A strong pressure gradient between an approaching cold front to the west and high pressure over the southeast U.S. produced strong southwest winds. The highest measured peak wind gust was 53 mph at the Harrisburg airport. Other strong measured wind gusts at airport locations included: 50 mph at Carmi, 48 mph at Carbondale, 46 mph at Metropolis, and 45 mph at Marion. There was some isolated damage to utility poles and roofs. In West Frankfort, several power poles were broken. In the community of Crossville in White County, shingles were blown off a roof and there was a power outage. In Gallatin County, a trained spotter near Junction estimated wind gusts to 50 mph were breaking tree limbs.

ILLINOIS, Southwest

Monroe County 2 SE Chalfin Bridge

20	2115CST				0	0	0.00K	0.00K	Hail (0.88)
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Isolated severe storms developed across the area with some producing large hail.

INDIANA, Central

Marion County 3 SW Oaklandon

02	2100EST				0	0	0.75K	0.00K	Thunderstorm Wind (39EG)
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A tree was reported down on East 56th Street in Lawrence due to thunderstorm gusts estimated at 45 mph.

A few stronger showers on the north side of the large shield of rain moving north from southern Indiana downed a tree on the northeast side of Indianapolis. Note: The estimated wind gust of 39 knots is equivalent to 45 mph.

INZ037-045-065

Boone - Decatur - Putnam

14	1200EST				0	41	770.0K	0.00K	Winter Weather
	1600EST								

An upper level system brought snow to central Indiana during the day on February 14. Many locations received 1 to 3 inches of snow, but a few areas had 4 to 5 inches. The snow caused many automobile accidents on area roads, including a couple of pile-ups on interstates.

INZ028

Warren

24	0300EST								
25	0630EST				0	0		0.00K	Blizzard

INZ021-029-035

Carroll - Fountain - Tippecanoe

24	0700EST								
25	0630EST				0	0		0.00K	Winter Storm

A strong area of low pressure, one that was responsible for a severe weather outbreak on February 23rd across parts of the Gulf Coast area, moved through the Ohio Valley on February 24th. This storm brought blizzard conditions to parts of northwest sections of central Indiana. Southeastern areas saw mainly rain with this event. Conditions changed rapidly in short distances across the northwest half of the area.

Strong forcing with this system brought moderate rain to parts of the area early in the morning of the 24th. The low brought gusty winds, with peak winds during the day of around 40 mph.

Cold air wrapped into northwest sections of central Indiana during the morning, changing the rain to snow. Strong forcing remained in place across northwest sections of the area during the day, keeping the snow across the same areas. This led to the higher snow amounts. Warmer air just to the southeast kept the precipitation as rain until mid afternoon, leading to lower snow amounts. The difference in temperatures between the snow and rain areas was just a few degrees.

Snow amounts ranged from a trace across eastern and southern sections of the area to around 6 inches across the extreme northwest portions. A tight gradient in snowfall amounts was seen in the northwest, where a band of heavy snow set up and lingered.

Storm Data and Unusual Weather Phenomena

February 2016

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

INZ004

St. Joseph

04	0000EST								
08	0800EST				0	0	0.00K	0.00K	Winter Weather

A man was killed in a single-vehicle crash on the south side of Mishawaka early Thursday, February 4th. Areas of freezing drizzle created slick roadways during the morning hours of February 4th.

INZ005>008-013-015>016-020-022

Cass - Elkhart - Fulton - Kosciusko - Lagrange - Noble - Pulaski - Steuben - White

24	0800EST								
25					0	0	0.00K	0.00K	Winter Storm

INZ009-017-023-024

De Kalb - Miami - Wabash - Whitley

24	0800EST								
25					0	0	0.00K	0.00K	Winter Weather

INZ003-012-014

La Porte - Marshall - St. Joseph - Starke

24	0900CST								
25					0	0	0.00K	0.00K	Winter Storm

A deepening low pressure system tracking northeast into the eastern Great Lakes brought heavy snow and strong winds to northern Indiana February 24th into early February 25th. Snowfall totals generally ranged between 6 and 10 inches, with localized 10-17 inch amounts northwest Indiana.

INDIANA, Northwest

INZ001-002

Lake - Porter

19	1445CST								
	1852CST				0	0	0.00K	0.00K	High Wind

A fast moving low pressure system across the upper Midwest brought a rapid change in pressure, which induced high sustained winds.

24	1256CST								
25	0035CST				0	0	0.00K	0.00K	Blizzard

INZ002-010-011

Jasper - Newton - Porter

24	1315CST								
25	0055CST				0	0	0.00K	0.00K	Blizzard

The highest snowfall amounts and impacts were observed in Lake and Porter counties in northwest Indiana, where several locations saw over one foot of snow. This combined with winds gusting in excess of 40 mph created near zero visibility at times, and led to motorists being stranded and requiring rescue.

Some of the highest snowfall reports include: 15.5 inches near Hobart (Lake); 15.0 inches near Lakes of the Four Seasons (Porter); 10.5 inches near Rensselaer (Jasper); and 8.0 inches near Lake Village (Newton).

INDIANA, South Central

Dubois County

Birdseye

02	2139EST								
					0	0	0.00K	0.00K	Flash Flood

A broadcast meteorologist relayed a report of partially flooded roads in and around Birdseye.

Dubois County

Huntingburg

02	2139EST								
					0	0	0.00K	0.00K	Flash Flood

A broadcast meteorologist relayed a report of flash flooding near Southridge High School and US 321.

Storm Data and Unusual Weather Phenomena

February 2016

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

Orange County Chambersburg

02	2145EST				0	0	0.00K	0.00K	Flash Flood
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A law enforcement official reported that portions of Highway 150 east was flooded due to intense heavy rain.

Orange County 1 SE Paoli

02	2224EST				0	0	0.00K	0.00K	Heavy Rain
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A public weather station measured 2.15 inches of rain, most of which fell within a couple hours.

A very potent storm system approached the lower Ohio Valley during the evening hours on February 2nd. A line of showers and thunderstorms moved into the area, bringing heavy rain and gusty winds. Between 2 and 3 inches of rain quickly fell across Orange and Dubois counties, which resulted in some flash flooding on area roads.

INDIANA, Southeast

Ripley County Batesville

02	2344EST								
03	0100EST				0	0	0.00K	0.00K	Flood

A couple of inches of water was flowing across area roads. Widespread showers and embedded thunderstorms developed ahead of a strong low pressure center. The showers and thunderstorms produced periods of heavy rain.

INZ066-073-074

Dearborn - Franklin - Ripley

08	1400EST								
09	0200EST				0	0	0.00K	0.00K	Winter Weather

An upper level low pressure system centered in northwest Ohio saw disturbances rotate through it in the afternoon of Monday, February 8th. Snow showers in the region saw some accumulations in the afternoon and evening.

INZ074

Dearborn

14	1500EST				0	0			Winter Storm
	2100EST								

INZ050-058-066-073

Fayette - Franklin - Ripley - Wayne

14	1500EST				0	0	0.00K	0.00K	Winter Weather
	2100EST								

A quick moving band of moderate to occasionally heavy snow impacted the area during the afternoon and early evening hours on Sunday, February 14, 2016. The snow fell in a 4 to 6 hour period, producing 2 to 4 inches of snowfall across southeast Indiana.

INDIANA, Southwest

Vanderburgh County 1 NNE Evansville

02	1843CST				0	0	20.00K	0.00K	Flash Flood
	2030CST								

Many roads were impassable. A foot of water was reported at one city intersection on the west side of Evansville, where at least four cars became stuck in floodwaters. A car traveling eastbound on the Lloyd Expressway was stuck in high water near the exit ramp for U.S. Highway 41 South. Another vehicle was stuck in high water on a road adjacent to the Lloyd Expressway on the west side of Evansville. Sewer hole covers were displaced by the water. A trained spotter on the east side of Evansville measured two inches of rain. Most of this rain fell in a two-hour timeframe as a squall line slowed down over the city. A wind gust to 52 mph was measured at the Evansville airport under the squall line.

A squall line developed ahead of a cold front as it crossed the Mississippi River. The cold front extended southward from the triple-point of an occluded low pressure system. A strong southerly wind flow around 50 knots at 850 mb brought unseasonably moist air north from the Gulf of Mexico. At 500 mb, a strong closed low over western Kansas moved northeast across the central Plains. This low provided strong upper-level forcing for ascent. As the line of convection slowed its eastward progress in the deep southerly flow, locally heavy rainfall resulted in some urban flash flooding.

Storm Data and Unusual Weather Phenomena

February 2016

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

INZ081-085>088

Gibson - Pike - Posey - Spencer - Vanderburgh - Warrick

14	1000CST 1700CST				0	0	0.00K	0.00K	Winter Weather
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An average of 1 to 2 inches of snow fell across southwest Indiana. The snow fell in a rather short amount of time. There was even a brief period of heavy snow at the Evansville airport, when visibility was reduced to one-quarter mile. Some sleet and freezing rain was mixed with the snow at times. Roads were slick and hazardous. Several vehicles slid off roads in the Evansville area. The precipitation was caused by a strong southerly flow of moist air on the back side of a high pressure system over the Appalachian Mountains. Abundant low-level moisture and warmer air was drawn northward over initially cold air at the surface. A strong but compact 500 mb shortwave over the central Plains enhanced precipitation rates.

INZ081-085>088

Gibson - Pike - Posey - Spencer - Vanderburgh - Warrick

15	0500CST 1900CST				0	0	0.00K	0.00K	Dense Fog
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Widespread dense fog blanketed southwest Indiana during the morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred under a weak surface high to the north of a stationary front over the Tennessee Valley. The dense fog lingered for the entire day over the Spencer County area.

16	0000CST 0900CST				0	0	0.00K	0.00K	Dense Fog
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INZ082-085>088

Pike - Posey - Spencer - Vanderburgh - Warrick

16	0000CST 0900CST				0	0	0.00K	0.00K	Dense Fog
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Widespread dense fog blanketed southwest Indiana during the early morning hours. Visibility was one-quarter mile or less. The dense fog occurred under a narrow ridge of high pressure that extended from the central Gulf coast northward to the Wabash River Valley. Light winds and moist ground from recent rain and snowmelt set the stage for the fog.

INZ081-085>088

Gibson - Pike - Posey - Spencer - Vanderburgh - Warrick

19	0900CST 1400CST				0	0	6.0K	0.00K	Strong Wind
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Strong south to southwest winds gusting to around 50 mph buffeted southwest Indiana. The strongest measured wind gust was 49 mph at the Evansville airport. A sustained wind of 39 mph was measured there. The cause of the strong winds was a strong pressure gradient between low pressure over the upper Mississippi Valley and high pressure over the Eastern seaboard.

20	0400CST 0800CST				0	0	0.00K	0.00K	Dense Fog
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INZ082-085>088

Pike - Posey - Spencer - Vanderburgh - Warrick

20	0400CST 0800CST				0	0	0.00K	0.00K	Dense Fog
----	--------------------	--	--	--	---	---	-------	-------	-----------

Dense fog blanketed southwest Indiana during the early morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred in a light southerly flow of moist air around high pressure centered off the Carolina coast.

Pike County

**2 NW Bowman
4 NE Petersburg**

25	0300EST				0	0	0.00K	0.00K	Flood
29	2359EST				0	0	0.00K	0.00K	Flood

Minor flooding occurred on the White River. Agricultural bottomlands were underwater. About a dozen county roads were flooded, including 750N, 600N, 1000E, 250W, 400W, 675N, 700N, and 1000W. The river remained above flood stage into early March.

Storm Data and Unusual Weather Phenomena

February 2016

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

Warrick County

2 ESE Newburgh

25	0900CST								
29	2359CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the Ohio River. Some low-lying fields and woods in the bottomlands were underwater. The river continued rising into early March.

Gibson County

1 NNW Hazleton

2 WSW Giro

25	2200CST								
29	2359CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the White River. Bottomland woods and fields were underwater. Floodwaters covered the Hazleton softball field. A few low rural roads were underwater and impassable. Low-lying oil fields were flooded. The river remained above flood stage into early March.

Posey County

1 SW Hovey

1 SW Mt Vernon

26	0300CST								
29	2359CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the Ohio River. Some low-lying fields and woods in the bottomlands were underwater. The river continued rising into early March.

Between the 20th and the 25th, a quasi-stationary front sagged south across the Lower Ohio Valley. It then lifted back north as an area of low pressure developed on the front and moved northeast. Widespread showers with moderate to heavy rain fell during this time period. Precipitation during this period ranged between 1 and 3 inches. The rain brought the Ohio and White Rivers above flood stage by the end of the month.

INZ081-085>088

Gibson - Pike - Posey - Spencer - Vanderburgh - Warrick

28	1200CST								
	1500CST				0	0	6.0K	0.00K	Strong Wind

A strong pressure gradient between an approaching cold front to the west and high pressure over the southeast U.S. produced strong southwest winds. Peak wind gusts were right around 45 mph.

IOWA, Central

**IAZ027-037>039-
047>050-057>059-
070>072**

Adair - Audubon - Black Hawk - Boone - Bremer - Butler - Cass - Dallas - Grundy - Guthrie - Hardin - Madison - Marshall - Story - Tama

02	0200CST								
03	0500CST				0	0	0.00K	0.00K	Winter Storm

**IAZ004>007-015>
017-023>026-033>
036-044>046**

Calhoun - Carroll - Cerro Gordo - Crawford - Emmet - Franklin - Greene - Hamilton - Hancock - Humboldt - Kossuth - Palo Alto - Pocahontas - Sac - Webster - Winnebago - Worth - Wright

02	0700CST								
03	0500CST				0	0	0.00K	0.00K	Blizzard

A low pressure system moved off the Rockies Monday night into Tuesday and proceeded east and then northeast towards Iowa. It traversed the southeastern portions of the state on Tuesday evening and into early Wednesday. roughly the northwestern half of the state was put under either a blizzard warning (northwest third) or a winter storm warning (central third) effective at Midnight Tuesday through 6am Wednesday.

Snow and rain entered western reaches of the state by 6am Tuesday and continued to spread eastward across the state through the day. In addition to the rain and snow, strong winds were accompanied with the system and resulted in widespread sustained winds in excess of 35 mph and wind gusts in excess of 50 mph in number of locations across northwest Iowa and into portions of central Iowa. Snowfall amounts quickly increased north and northwest of a line from Des Moines to Waterloo, with numerous reports in excess of 8 inches and peak amounts around a foot.

Storm Data and Unusual Weather Phenomena

February 2016

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

**IAZ004>007-015>
017-023>027-033>
038-044>047**

Boone - Butler - Calhoun - Carroll - Cerro Gordo - Crawford - Emmet - Franklin - Greene - Grundy - Hamilton - Hancock - Hardin - Humboldt - Kossuth - Palo Alto - Pocahontas - Sac - Webster - Winnebago - Worth - Wright

07	2100CST								
08	1700CST				0	0	0.00K	0.00K	Blizzard

A low pressure system worked its way out of Canada and into northern/northeastern Minnesota and continued to slowly trek east-southeast across the Upper Peninsula of Michigan. Down into Iowa, a cold front swept in from the northwest and resulted in widespread sustained winds in excess of 25 mph and gusts in excess of 35 mph. With a sizable snow pack on the ground across large portions of northern and central Iowa, the high winds picked up loose snow and fractured the snow pack. The result, numerous reports of whiteout conditions were relayed by county Sheriff's offices and the Iowa DOT, including the closure of Interstate 35 from Ames to Mason City.

**IAZ004>007-015>
017-023>027-033>
038-048>050-060-062**

Butler - Calhoun - Cerro Gordo - Emmet - Franklin - Grundy - Hamilton - Hancock - Hardin - Humboldt - Kossuth - Marshall - Palo Alto - Pocahontas - Polk - Poweshiek - Sac - Story - Tama - Webster - Winnebago - Worth - Wright

19	0800CST								
	1101CST				0	0	0.00K	0.00K	High Wind

A low pressure system situated to the north of the state proceeded east-southeast out of the Dakotas and into Minnesota through the day. The accompanying cold front, while not excessively cold, did come with a 850mb jet of around 70kts. Resulting sustained winds approached 40 mph in many locations across northern Iowa, including a number of mesonet and ASOS sites reporting wind gusts at or in excess of 58 mph in the mid to late morning hours.

Black Hawk County

**1 N Evansdale
1 NE Castle Hill**

20	2130CST								
21	1130CST				0	0	20.00K	0.00K	Flood

The Black Hawk Creek at Hudson crested at 14.12 feet on 21 February 2016 at 0815 UTC.

Boone County

21 NNW Zook Spur

21	1530CST								
22	1150CST				0	0	100.00K	0.00K	Flood

An Emergency Manager reported flooding due to an ice jam near Fraser and in areas south of Highway 30 near the 270th Street/E57 bridge.

Wapello County

4 SSW Eldon

21	2100CST								
26	0230CST				0	0	20.00K	0.00K	Flood

The Des Moines River at Ottumwa crested at 11.81 feet on 22 February 2016 at 2129 UTC.

Webster County

**2 WSW (FOD)Ft Dodge Muni
WSW Clay Works**

22	0030CST								
	0630CST				0	0	200.00K	0.00K	Flash Flood

Law Enforcement reported flooding in the Riverdale Drive area and near the Scenic Drive and Breen Road areas as well.

Dallas County

**2 SSW Adel
2 ESE Ortonville**

22	0130CST								
24	1630CST				0	0	20.00K	0.00K	Flood

The North Raccoon River at Perry crested at 16.01 feet on 23 February 2016 at 0845 UTC.

Webster County

**2 WSW (FOD)Ft Dodge Muni
W Clay Works**

22	0631CST								
23	0630CST				0	0	0.00K	0.00K	Flood

Law Enforcement reported flooding in the Riverdale Drive area and near the Scenic Drive and Breen Road areas as well.

Storm Data and Unusual Weather Phenomena

February 2016

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

IOWA, Central

Wapello County **3 W Chillicothe**

22	0730CST 1900CST				0	0	20.00K	0.00K	Flood
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The Des Moines River at Eddyville crested at 61.01 feet on 22 February 2016 at 1830 UTC.

Polk County **2 WNW Youngstown** **2 WSW Des Moines**

23	1345CST				0	0	20.00K	0.00K	Flood
25	1400CST				0	0	20.00K	0.00K	Flood

The Des Moines River at Des Moines SE 6th crested at 24.29 feet on 21 February 2016 at 2100 UTC.

A few rivers went into flood across portions of central and southern Iowa as the snow melted across the area. Some of the flooding on the lower portion of the Des Moines River south of Saylorville occurred due to output from local reservoirs such as Saylorville Lake and Lake Red Rock. Flash flooding occurred on the upper Des Moines near Fort Dodge due to an ice jam and flooding from an ice jam also occurred near Hudson on Black Hawk Creek and near Fraser on the Des Moines River.

IOWA, East Central and Southeast

IAZ040

Buchanan

02	0300CST 2300CST				0	0	0.00K	0.00K	Heavy Snow
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A late winter storm system brought rain, sleet, and snow to portions of Iowa early February 3rd. While most of the snow fell farther north and west of eastern Iowa, portions of northwest Buchanan county saw heavy amounts of snow. Locations farther southeast saw a mix of rain and sleet, with temperatures above freezing and reported only minor problems.

IAZ040>042-051> 054-063>065-067> 068

Benton - Buchanan - Cedar - Delaware - Dubuque - Iowa - Jackson - Johnson - Jones - Linn - Muscatine - Scott

19	0949CST 1800CST				0	0	0.00K	0.00K	High Wind
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A strong low pressure system moving just north of Iowa, brought a very strong cold front through Iowa and Illinois during the mid morning through afternoon of February 19th. Behind this cold front, sustained west winds of 35 to 40 mph gusted frequently to 60 to 63 mph over all of eastern Iowa and northern Illinois found generally along and north of Interstate 80.

IOWA, Northeast

IAZ008>011-018> 019-029>030

Allamakee - Chickasaw - Clayton - Fayette - Floyd - Howard - Mitchell - Winneshiek

02	0515CST								
03	0900CST				0	0	0.00K	0.00K	Winter Storm

Northeast Iowa was covered by a 5 to 10 inch blanket of snow on February 2nd. This snow fell as a winter storm tracked from Kansas into lower Michigan. A band of heavy snow developed ahead of the storm, which moved into northeast Iowa during the morning of the 2nd and produced snowfall rates up to two inches an hour. This caused roads to quickly become snow covered. The highest reported snowfall amount was 10 inches in Lansing (Allamakee County). Blowing and drifting snow became an issue as the storm moved past with wind gusts of 30 to 45 mph. Almost every school closed February 2nd in advance of the storm and many of these remained closed on the 3rd as well.

IAZ008-018

Floyd - Mitchell

07	2250CST								
08	0945CST				0	0	0.00K	0.00K	Blizzard

Blizzard conditions occurred across a small portion of northeast Iowa during the evening of February 7th into the early morning hours of the 8th. Strong northwest winds of 15 to 25 mph with higher gusts, created widespread blowing snow and with some falling light snow the visibility was reduced to under a half mile at times. These conditions only occurred for a few hours and impacts were very minimal given the time of day that the blizzard occurred.

Storm Data and Unusual Weather Phenomena

February 2016

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

IAZ009-018-029

Chickasaw - Fayette - Floyd - Howard

19	0945CST				0	0	6.5K	0.00K	Strong Wind
	1445CST								

Strong winds occurred across portions of northeast Iowa during the late morning and early afternoon of February 19th. A strong area of low pressure moved across the Upper Midwest with the wind occurring on the back side of the low. Gusts of 40 to 55 mph were reported which blew over a semi-truck and trailer near the town of Floyd (Floyd County).

IOWA, Northwest

IAZ001>003-012>

**014-020>022-031>
032**

Buena Vista - Cherokee - Clay - Dickinson - Ida - Lyon - O'Brien - Osceola - Plymouth - Sioux - Woodbury

02	0400CST				0	0	0.00K	0.00K	Blizzard
03									

IAZ001>003-012>

**014-020>022-031>
032**

Buena Vista - Cherokee - Clay - Dickinson - Ida - Lyon - O'Brien - Osceola - Plymouth - Sioux - Woodbury

03	0400CST				0	0	0.00K	0.00K	Winter Weather
	1200CST								

Heavy snow in northwest Iowa was accompanied by north to northwest winds reaching sustained speeds near 30 mph with gusts above 40 mph. The combination of snow and wind caused blizzard conditions from February 2nd into the predawn hours of February 3rd, with widespread visibilities near zero, bringing travel to a halt.

IAZ002-013>014

Clay - Dickinson - O'Brien - Osceola

07	2000CST								
08	1800CST				0	0	0.00K	0.00K	Blizzard

IAZ001-012

Lyon - Sioux

07	2000CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

IAZ021-032

Buena Vista - Cherokee - Ida

07	2100CST								
08	1800CST				0	0	0.00K	0.00K	Blizzard

IAZ020-031

Plymouth - Woodbury

07	2100CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

**IAZ002-013>014-
021>022-032**

Buena Vista - Cherokee - Clay - Dickinson - Ida - O'Brien - Osceola

08	1800CST								
09	0000CST				0	0	0.00K	0.00K	Winter Weather

Northerly winds gusting at times to over 50 mph combined with existing heavy snow cover and around one inch of new snowfall to produce blizzard conditions, with visibilities frequently lowering to below a quarter mile during the night and daytime hours of February 7th and 8th. These conditions were widespread, despite less severe conditions in a few sheltered areas, mainly in cities and towns. Several people attempting travel either drove off roads or became stuck, including at least one semi truck on Interstate 90. Some schools and businesses closed on Monday, February 8th.

**IAZ001>003-012>
014**

Clay - Dickinson - Lyon - O'Brien - Osceola - Sioux

13	1000CST								
14	0900CST				0	0	0.00K	0.00K	Winter Weather

Storm Data and Unusual Weather Phenomena

February 2016

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

Snow accumulating up to 4 inches combined with south to southeast winds 15 to 30 mph to cause areas of blowing snow from late morning of February 13th into the morning of February 14th.

19	0500CST 1000CST				0	0	0.00K		High Wind
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IAZ002-012>014-020>022-031>032

Buena Vista - Cherokee - Clay - Dickinson - Ida - O'Brien - Osceola - Plymouth - Sioux - Woodbury

19	0500CST 1000CST				0	0	0.00K		High Wind
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Strong and gusty westerly winds behind a cold front caused sustained winds above 40 mph, with some gusts above 70 mph, across northwest Iowa during the morning of February 19th.

IAZ001>003

Dickinson - Lyon - Osceola

29	1400CST 2359CST				0	0	0.00K	0.00K	Winter Weather
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Snow accumulated 3 to 4 inches in northwest Iowa near the northern border of the state, with less a short distance to the south, from early afternoon of February 29th to a little after midnight on March 1st. The snowfall made travel hazardous, although winds were not strong enough to cause blowing snow.

IOWA, Southwest

IAZ055-069

Harrison - Pottawattamie - Shelby

02	0300CST				0	0	0.00K	0.00K	Winter Storm
03	0100CST								

IAZ043

Monona

02	0600CST				0	0	0.00K	0.00K	Blizzard
03	0000CST								

A strong jet stream moved into the southwest United States on Monday February 1st, and then into the plains on Tuesday February 2nd. This created an intense area of low pressure over the Plains that moved from the Oklahoma Panhandle into Kansas and eventually into northern Missouri. Ahead of the area of low pressure, snow spread into Nebraska and Iowa early in the morning on Tuesday. The snowfall quickly intensified with some thunder and lightning reported in parts of eastern Nebraska and western Iowa. The heavy snow continued through the day on Tuesday, especially in northeast Nebraska and west central Iowa, before tapering to flurries Tuesday night. In addition to the heavy snowfall strong winds develop with speeds of 20 to 30 mph with gusts to 45 mph created significant blowing and drifting and blizzard conditions in parts of the area. This resulted in the closing of Interstate 80 west of Lincoln.

KANSAS, North Central

KSZ007-017-018

Jewell - Osborne - Rooks

01	2100CST				0	0	0.00K	0.00K	Winter Storm
02	2200CST								

KSZ005-006

Phillips - Smith

02	0200CST 1900CST				0	0	0.00K	0.00K	Blizzard
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Storm Data and Unusual Weather Phenomena

February 2016

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

Although most of this six-county North Central Kansas area was spared the overall-higher snow totals that slammed Nebraska counties to the north, the first two days of February nonetheless featured one of the most significant winter storms/blizzards to strike the local area in several years, with the majority of impacts occurring on Tuesday the 2nd as a crippling combination of heavy snow and strong winds closed roads and largely brought travel and commerce to a halt. With the glaring exception of the Mitchell County area (which received no more than 3 inches of snow), the majority of the five other local counties accumulated anywhere from 5-12, with the greatest concentration of 10-12 and also true-blizzard conditions focused within Phillips and Smith counties. During the height of the storm during the pre-dawn and daytime hours of the 2nd, sustained winds across most of the area averaged 25-35 MPH with gusts commonly 35-45 MPH, initially out of the northeast but gradually shifting more north-northwest with time. Given that this storm primarily struck on Feb. 2nd, many will remember it as the Groundhog Day Blizzard of 2016.

According to several NWS cooperative observers, some of the highest storm totals featured 12.0 at Phillipsburg, 10.5 at Webster Dam, 10.2 at Lebanon, 10.0 in Logan and 9.5 at Burr Oak. In contrast, the Mitchell County area was spared significant storm impacts due the combined factors of slightly warmer air aloft keeping the initial precipitation as rain longer, followed by the fairly quick invasion of a mid-level dry slot nosing up from the south and lingering overhead through most of the event. As a result, official snow totals in Mitchell County ranged from merely 0.5 in Beloit to 3 in Cawker City. In terms of liquid equivalent precipitation, this storm brought beneficial amounts of generally 0.60-1.20 to most of the local area. At places such as Smith Center, the storm total of 0.98 boosted the entire meteorological winter into a top-10 wettest on record.

Breaking down the timing and meteorological background of this two-day event, the initial bands of a mixed bag of light snow, sleet and rain started sneaking into the area from the southwest during the pre-dawn and daytime hours of the 1st, driven mainly by broad mid-level lift well out ahead of the primary large-scale trough approaching from the Intermountain West. Little to no snow accumulation took place through the day, although by 730 p.m. a spotter in Long Island reported 1-2. During the pre-dawn hours of the 2nd, conditions went downhill fast across most of the area as an organized, large band of moderate to heavy snow lifted across the area from south-to-north, driven by increasing synoptic-scale forcing to the north of a powerful, closed mid-level low churning into southwestern Kansas. At the same time, north-northeast winds continued ramping up in response to surface low pressure deepening to around 994 millibars over central Kansas by daybreak. Across most of the six-county area, the majority of snow had already fallen by sunrise, as most of the steady accumulation during the daytime and evening hours of the 2nd focused north of the state line in Nebraska. However, primarily northern portions of Phillips, Smith and Jewell counties saw at least a few inches of additional snow during the day within the southern end of the deformation zone associated with the nearly vertically-stacked, powerhouse low pressure system as it tracked to the KS/NE/IA/MO border area by sunset. By mid-evening, the vast majority of lingering snow ended as the surface and upper-level storm system departed into Iowa. However, travel remained dicey thanks to northerly winds still gusting 35-40 MPH. Fortunately, winds eased considerably during the overnight hours, and by daybreak on the 3rd speeds were down to 5-15 MPH.

From a forecast perspective, this event was an overall victory. The initial Winter Storm Watch came out nearly 2.5 days in advance of the worst conditions and the first Blizzard and Winter Storm Warnings were issued nearly 36 hours before the main impacts began. In addition, although the details certainly evolved with time, this was one of those fairly rare instances where computer models correctly latched onto the likelihood for a high-impact winter storm more than a week in advance.

KANSAS, Northwest

KSZ001-027>029-041

Cheyenne - Gove - Greeley - Logan - Wallace

01	0515MST							
02	1400MST			0	0	0.00K	0.00K	Heavy Snow

Widespread snowfall moved across Northwest Kansas during the morning of the first, lasting into the afternoon of the second. Snowfall amounts ranged from 6 to 15 inches. Wind gusts in the 40-50 mph range accompanied the snow. The Emergency Manager for Cheyenne county reported less than a quarter mile visibility under a band of heavier snowfall as it moved through St. Francis.

KSZ013

Sherman

01	2230MST							
02	0200MST			0	0	0.00K	0.00K	Blizzard

KSZ002>004-014>016

Decatur - Graham - Norton - Rawlins - Sheridan - Thomas

02	0300CST							
	1645CST			0	0	0.00K	0.00K	Blizzard

Widespread snowfall, and wind gusts in the 40-55 MPH range, lead to blizzard conditions across much of Northwest Kansas beginning late on the first and well into the second. Snowfall totals ranged from 9-18 inches, with the highest snowfall amount reported in Norton.

Storm Data and Unusual Weather Phenomena

February 2016

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

KSZ013

Sherman

07	1722MST				0	0	0.00K		Winter Weather
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During the late afternoon icy conditions from blowing snow across I-70 caused a vehicle to roll over in western Sherman county.

KANSAS, Southwest

KSZ030-043>046

Ellis - Lane - Ness - Rush - Scott - Trego

01	0800CST								
02	1800CST				0	0	0.00K	0.00K	Winter Storm

KSZ063

Finney

01	0800CST								
02	1800CST				0	0	0.00K	0.00K	Winter Weather

An upper level low moved through the Western United States at the end of January then into the Central High Plains Feb 1st into Feb 2nd. Moisture increased above western Kansas as this system approached with mostly cloudy skies observed after midnight on Feb 1st. An area of low pressure at the surface also intensified across northeastern New Mexico as this system approached, leading to winds blowing generally from an easterly direction through Feb 1st. This area of low pressure, and upper level low, ejected northeastward across western Kansas the night of the 1st, and towards the state of Iowa through Feb 2nd. Winds shifted to more of a southeasterly direction as the low moved northeast then to more of a northerly direction behind this system. Mid-level frontogenesis developed across west central Kansas the morning of Feb 1st, then stretched northeastward throughout the day. Precipitation started falling across west central Kansas during the morning hours, initially as rain. This precipitation then changed over to snow by the afternoon. A second band of precipitation fell across far southwestern Kansas in the afternoon with snow reported across far western Kansas, changing over to rain to the east. This band of precipitation shifted eastward in the evening with snow across a majority of western and northern Kansas with rain across central Kansas. As temperatures dropped overnight, precipitation fell as snow farther east. Snow was reported across northern Kansas around sunrise of the 2nd and continued into throughout the day. A few light snow showers fell across portions of west central Kansas, but tapered off by late afternoon. Snow showers then moved out of the area the evening of the 2nd. As for snow fall totals, 2 inches of snow generally fell across areas north and west of a line from Hoisington, KS to Jetmore, KS to Syracuse, KS. Snowfall amounts of over 6 inches fell in portions of Scott, Lane, Ness, Rush, and Trego counties. The highest snowfall amount reported was 9 inches ten miles south of Collyer, KS.

KENTUCKY, Central

Nelson County

2 SSE Highgrove

03	0105EST				0	0	0.00K	0.00K	Flash Flood
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A Nelson County law enforcement official received a request for a high water rescue on Whiteside Road due to rising waters from heavy rain.

A very potent storm system approached the lower Ohio Valley during the evening hours on February 2nd. A line of showers and thunderstorms moved into the area, bringing heavy rain and gusty winds. Between 2 and 3 inches of rain quickly fell across the area, which resulted in an isolated flash flood event in Nelson County.

Butler County

1 ENE Woodbury

03	0930CST								
06	0215CST				0	0	0.00K	0.00K	Flood

A slow moving storm system led to several inches of rain across the area. The Green River at Woodbury rose above flood stage late on February 3rd, crested at 35.5 feet on February 4th, then fell below flood stage early on February 6th. Flood stage is 33 ft.

Ohio County

1 W Narrows

1 NE Dundee

03	1437CST								
04	0705CST				0	0	0.00K	0.00K	Flood

Several inches of rain brought the Rough River near Dundee just above flood stage. The river crested at 25.41 feet late on February 3rd. Flood stage is 25 ft.

A slow moving and moisture rich weather system brought several inches of rain to the lower Ohio River basin during early February. Over the course of several days, water levels rose on many rivers, creeks and streams. Minor flooding occurred on several rivers including Drakes Creek and the Green River.

Storm Data and Unusual Weather Phenomena

February 2016

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

KYZ024>029-035-038>043-045>049-053>057-061>067-070>078-081>082

Adair - Allen - Anderson - Barren - Bourbon - Boyle - Breckinridge - Bullitt - Butler - Casey - Clark - Clinton - Cumberland - Edmonson - Fayette - Franklin - Garrard - Grayson - Green - Hardin - Hart - Jessamine - Larue - Lincoln - Logan - Madison - Marion - Meade - Mercer - Metcalfe - Monroe - Nelson - Nicholas - Ohio - Russell - Simpson - Spencer - Taylor - Warren - Washington - Woodford

14	1100CST 2300CST				0	0	0.00K	0.00K	Heavy Snow
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A band of snow moved into central Kentucky during the afternoon and evening hours Sunday, February 14. Totals ranged from 4 to locally 7 inches across parts of central and south central Kentucky.

Butler County

1 ENE Woodbury

24	2200CST								
26	1500CST				0	0	0.00K	0.00K	Flood

An unsettled period of weather brought several inches of rain to the area, resulting in significant rises on the Green River. The Green River at Woodbury rose to 34.2 feet on February 25th before dropping below flood stage on February 26th. Flood stage is 33 ft.

Between 1 and 2 inches of rain fell across the lower Ohio River basin during the last week of February. This rainfall, combined with recent rain events and melting snow, resulted in rising water levels on many rivers and streams. The Green River at Woodbury briefly topped its flood stage on February 26th.

KENTUCKY, Eastern

Magoffin County

1 WNW Salyersville

03	0605EST 0730EST				0	0	0.00K	0.00K	Flash Flood
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A citizen reported flash flooding along Highway 30 in Salyersville as up to 2 inches of rain fell this morning.

A line of thunderstorms producing heavy rain moved through eastern Kentucky during the overnight period from February 2nd into the 3rd. Localized flash flooding was reported early on the morning of the 3rd near Salyersville as heavy rain slowly propagated east. Rainfall amounts of 1.5 to 2 inches were observed.

KYZ044-050>052-058>060-068>069-079>080-083>088-104-106>120

Bath - Bell - Breathitt - Clay - Elliott - Estill - Fleming - Floyd - Harlan - Jackson - Johnson - Knott - Knox - Laurel - Lee - Leslie - Letcher - Magoffin - Martin - McCreary - Menifee - Montgomery - Morgan - Owsley - Perry - Pike - Powell - Pulaski - Rockcastle - Rowan - Wayne - Whitley - Wolfe

14	1430EST								
15	0500EST				0	0			Heavy Snow

An upper level disturbance approached the Ohio Valley, spreading moisture out of the Gulf of Mexico through the Tennessee Valley and into eastern Kentucky. Coincidentally, a surface low pressure system moved across the lower Mississippi and Tennessee Valleys. This acted to bring in additional lift to generate precipitation, mainly in the form of snow from the afternoon of the 14th into the early morning hours of the 15th. Storm total snowfall amounts generally ranged from 3 to 7 inches across eastern Kentucky. Some freezing rain and sleet mixed in with the snow over the Upper Cumberland region but amounts were minor.

KENTUCKY, Northeast

Boyd County

Rush

03	0640EST 0930EST				0	0	15.00K	0.00K	Flash Flood
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The area around the mouth of Rush Creek into Williams Creek flooded and closed Route 854. The water surrounded a church. This is along the Carter County line. One vehicle stalled in the water.

Lawrence County

1 W Louisa

03	0645EST 0945EST				0	0	5.00K	0.00K	Flash Flood
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Streams, such as Lick and Greenbrier Creeks, overflowed and closed roads. A few road examples included Route 32, Greenbrier Road, and Old Lick Road.

Ahead of a cold front, rain showers fell on either side of dawn on the 3rd. Dew points were in the 50 to 55 degree range ahead of the front.

Storm Data and Unusual Weather Phenomena

February 2016

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
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KENTUCKY, Northeast

The heaviest rain was about 1.25 inches in about 2 to 3 hours over Boyd County. For example, the East Fork Fire Department gauge measured 1.24 inches. Louisa measured about 9 tenths of an inch.

Minor flash flooding occurred in the usual vulnerable places of Boyd and Lawrence Counties. The high water closed roads.

KYZ102-105

Boyd - Carter - Lawrence

14	1530EST				0	0	0.00K	0.00K	Heavy Snow
	2315EST								

Strong warm advection, north of a warm front in Tennessee, caused snow to develop across eastern Kentucky during late Sunday afternoon the 14th.

An enhanced west to east band of snow fell during the evening before diminishing after 2200E. Three to 6 inches of snow fell. For example, Olive Hill measured 6 inches. Warnock in Greenup County had 5 inches. Unofficial measurements included 5 inches in Ashland and 4 inches near Louisa.

A lull occurred late at night and during the morning of the 15th. A strong low pressure wave lifted north, increasing the rain during the afternoon and evening of the 15th. Rain amounts of 1.25 to 1.75 were common. Grayson measured 1.73 inches of water in 24 hours.

The rain diminished and transitioned to some wet snow and drizzle early on the 16th. An inch or 2 of snow fell in Carter and Greenup Counties by dawn on the 16th.

A strong rise occurred on streams and the Little Sandy River, but notable flooding did not occur.

KENTUCKY, Northern

KYZ090-093-097

Boone - Bracken - Campbell - Gallatin

08	1400EST								
09	0000EST				0	0	0.00K	0.00K	Winter Weather

An upper level low pressure system centered in northwest Ohio saw disturbances rotate through it in the afternoon of Monday, February 8th. Snow showers in the region saw some accumulations in the afternoon and evening. Rain over portions of northern Kentucky saw a changeover in the evening to snow, with some light accumulations.

KYZ093-099>100

Campbell - Lewis - Mason - Owen

14	1600EST				0	0			Winter Storm
	2200EST								

KYZ090>092-097

Boone - Bracken - Gallatin - Kenton

14	1600EST				0	0			Winter Weather
	2200EST								

A quick moving band of moderate to occasionally heavy snow impacted the area during the afternoon and early evening hours on Sunday, February 14, 2016. The snow fell in a 4 to 6 hour period, producing 2 to 4 inches of snowfall across northern Kentucky.

KYZ099-100

Lewis - Mason

15	2100EST								
16	1000EST				0	0	0.00K	0.00K	Winter Weather

A low pressure center developed over the southeastern United States and tracked towards Pennsylvania on the evening of Monday, February 15th. The western edge of the precipitation shield associated with this system affected the Scioto Valley and portions of northern Kentucky east of Maysville.

KYZ091

Boone

19	0800EST				0	0	2.0K		Strong Wind
	1800EST								

Storm Data and Unusual Weather Phenomena

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KENTUCKY, Northern

Strong winds were found across the area on Friday, February 19th. Numerous power outages occurred when trees were blown down. At one point in time, almost 2000 power outages were reported in northern Kentucky.

Boone County 2 WNW Walton

21	0126EST				0	0	0.00K	0.00K	Hail (0.75)
	0130EST								

Dime size hail fell near mile marker 173 on I-75.

An area of showers and scattered thunderstorms developed ahead of a weak surface low which traveled eastward along a frontal boundary.

KENTUCKY, Southwest

Calloway County Almo Hazel

02	1200CST				0	0	0.00K	0.00K	Heavy Rain
	2000CST								

Water was over numerous back roads on the south side of Calloway County. Most of these roads were passable. A trained spotter about 8 miles northeast of Murray measured 0.8 inches in 30 minutes. The daily rainfall total at the Kentucky mesonet site near Murray was 1.46 inches.

Christian County Hopkinsville Hopkinsville Arpt

02	2230CST				0	0	0.00K	0.00K	Flood
03	0745CST								

Minor to moderate flooding of the south fork of the Little River occurred. At the river gage at the Highway 68/80 bridge, the river crested at 17.49 feet shortly after midnight. Flood stage there is 15 feet. Some streets were flooded, including one side street that was closed. Low-lying farmland was inundated. Areas affected by flooding extended downstream past the Highway 68 bypass into the southern part of Hopkinsville. The Kentucky mesonet site several miles north of Hopkinsville measured 1.69 inches of rain on the 2nd.

Muhlenberg County Paradise

03	1500CST				0	0	0.00K	0.00K	Flood
08	1200CST								

Minor flooding of the Green River inundated low-lying fields and woodlands along the river.

Two lines of strong thunderstorms developed ahead of a cold front as it crossed the Mississippi River. The cold front extended southward from the triple-point of an occluded low pressure system. A strong southerly wind flow around 50 knots at 850 mb brought unseasonably moist air north from the Gulf of Mexico. At 500 mb, a strong closed low over western Kansas moved northeast across the central Plains. This low provided strong upper-level forcing for ascent. As the lines of convection slowed their eastward progress in the deep southerly flow, locally heavy rainfall resulted in minor flooding of roads and small rivers.

KYZ001>013-016> 017-021>022

Ballard - Caldwell - Calloway - Carlisle - Christian - Crittenden - Fulton - Graves - Hickman - Hopkins - Livingston - Lyon - Marshall - McCracken - Muhlenberg - Todd - Trigg

09	0300CST				0	0	0.00K	0.00K	Winter Weather
	1000CST								

A light snow event caused roadways to become slick and hazardous across much of western Kentucky. Snowfall amounts were generally around one inch. The snow fell on very cold road surfaces, which resulted in rapid deterioration of road conditions. There were numerous vehicle accidents in the Paducah area, including an overturned vehicle on U.S. Highway 45. A pickup truck flipped over on westbound Interstate 24 near mile marker 15, near Reidland. The driver of the truck was transported to a hospital for treatment of his injuries. In Marshall County, a two-vehicle collision on Highway 1462 near Benton injured a 27-year-old man. A van slid off Kentucky Highway 339 a few miles southwest of Lone Oak in McCracken County, and a child was taken to the hospital to be checked for injuries. The impact on the early morning commute was quite high. Schools were cancelled. The snow was caused by a disturbance in the upper levels of the atmosphere that rotated southeast around a deep low over the Great Lakes region.

14	0700CST				0	0	0.00K	0.00K	Winter Weather
	1500CST								

KYZ002>009

Ballard - Calloway - Carlisle - Graves - Hickman - Livingston - Marshall - McCracken

14	0700CST				0	0	0.00K	0.00K	Winter Weather
	1500CST								

Storm Data and Unusual Weather Phenomena

February 2016

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

KYZ011-013-016-021>022

Caldwell - Christian - Hopkins - Lyon - Muhlenberg - Todd

14	0900CST 0100CST				0	0	0.00K	0.00K	Winter Storm
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KYZ010-012-014-018

Crittenden - Henderson - Trigg - Union - Webster

14	0900CST 1700CST				0	0	0.00K	0.00K	Winter Weather
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KYZ020

McLean

14	1000CST 1900CST				0	0	0.00K	0.00K	Winter Storm
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KYZ019

Daviess

14	1000CST 1900CST				0	0	0.00K	0.00K	Winter Weather
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A winter storm system brought a wide range of precipitation amounts and snowfall amounts to western Kentucky on Valentine's Day. The Pennyriple region of western Kentucky received the most snow, averaging from 3 to 6 inches. Most of the remainder of western Kentucky received 1 to 3 inches. The snow fell very heavily for one to two hours across much of western Kentucky. Visibility was reduced to one-eighth mile or less. Snowfall rates of two inches per hour were not uncommon from the Paducah area east across the Lakes area to Princeton and Central City. There was thundersnow with the heaviest snowfall rates from the Paducah area east to near Princeton. Sleet or very small hail was mixed with the thundersnow. Most of the snow fell within two or three hours, followed by light freezing rain or drizzle. The freezing drizzle lingered for 6 to 12 hours in some places, especially in the Hopkinsville area. Ice accumulations were generally one-tenth inch or less. Along the Tennessee border from Fulton to Murray, where freezing rain and sleet were the dominant precipitation types, around one-half inch of mixed sleet and ice was reported. Roads throughout the region were very slick and hazardous. Numerous accidents were reported. In Christian County alone, officials reported over 50 accidents during the winter storm. Two separate accidents on Interstate 24 resulted in closures of the interstate and three injuries. An accident involving a semi was responsible for the closure of Interstate 24 near the Christian/Trigg County line. The eastbound lanes were closed for hours until the overturned tractor-trailer rig could be removed from the highway. One person was transported to a local hospital for non life-threatening injuries. Another accident on the Cumberland River bridge at the Lyon/Livingston County line closed the interstate for about two hours. A tractor-trailer rig struck a car that had lost control on the snow and struck the side of the bridge. Both drivers were injured, and one of them was taken to a regional hospital. The precipitation was caused by a strong southerly flow of moist air on the back side of a high pressure system over the Appalachian Mountains. Abundant low-level moisture and warmer air was drawn northward over initially cold air at the surface. A strong but compact 500 mb shortwave over the central Plains enhanced precipitation rates.

KYZ001>022

Ballard - Caldwell - Calloway - Carlisle - Christian - Crittenden - Daviess - Fulton - Graves - Henderson - Hickman - Hopkins - Livingston - Lyon - Marshall - McCracken - McLean - Muhlenberg - Todd - Trigg - Union - Webster

15	0600CST 1800CST				0	0	0.00K	0.00K	Dense Fog
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Widespread dense fog blanketed western Kentucky. Visibility was reduced to one-quarter mile or less. The dense fog occurred under a weak surface high to the north of a quasi-stationary front. The dense fog lingered for the entire day across the Pennyriple region of western Kentucky, including the cities of Owensboro and Hopkinsville.

16	0000CST 0900CST				0	0	0.00K	0.00K	Dense Fog
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KYZ002>022

Ballard - Caldwell - Calloway - Carlisle - Christian - Crittenden - Daviess - Graves - Henderson - Hickman - Hopkins - Livingston - Lyon - Marshall - McCracken - McLean - Muhlenberg - Todd - Trigg - Union - Webster

16	0000CST 0400CST				0	0	0.00K	0.00K	Dense Fog
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Storm Data and Unusual Weather Phenomena

February 2016

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

Widespread dense fog blanketed western Kentucky during the early morning hours. Visibility was one-quarter mile or less. The dense fog occurred under a narrow ridge of high pressure that extended from the central Gulf coast northward to the Wabash River Valley. Light winds and moist ground from recent rain and snowmelt set the stage for the fog.

**KYZ007-010-013>
017-021>022**

Caldwell - Christian - Crittenden - Hopkins - Livingston - Muhlenberg - Todd - Union - Webster

16	1300CST 1700CST				0	0	0.00K	0.00K	Winter Weather
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From one to two inches of heavy wet snow fell across parts of western Kentucky. The accumulating snow fell in a band from Marion eastward across Madisonville and Greenville. Parts of neighboring counties were affected, including northern Livingston, northern Caldwell, and northern Christian. Steady rain changed to moderate snow, which reduced visibility to one-half mile for a few hours. Although temperatures were slightly above the freezing point, the snow fell heavily enough to coat roadways. A serious four-vehicle accident involving a tractor-trailer rig closed the northbound lanes of the Pennyrile Parkway at the 19-mile marker (just south of Crofton) for several hours. A vehicle traveling southbound on the parkway crossed the median and struck the tractor-trailer rig head-on. The driver of the vehicle was hospitalized in critical condition with multiple injuries. Several accidents were reported in Madisonville, and many others occurred outside the city limits in Hopkins County. A school bus slid into a ditch in Madisonville. The precipitation occurred ahead of a compact 500 mb shortwave that moved southeast from the central Plains across the Mississippi Valley. Surface winds were southeast ahead of the low pressure system, bringing milder air into parts of western Kentucky. However, temperatures aloft were quite cold. Where precipitation rates were heavy enough, the precipitation changed to snow.

KYZ001>022

Ballard - Caldwell - Calloway - Carlisle - Christian - Crittenden - Daviess - Fulton - Graves - Henderson - Hickman - Hopkins - Livingston - Lyon - Marshall - McCracken - McLean - Muhlenberg - Todd - Trigg - Union - Webster

19	0900CST 1400CST				0	0	22.0K	0.00K	Strong Wind
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Strong south to southwest winds gusting up to 50 mph buffeted western Kentucky. The strongest measured wind gust was 51 mph at the Fort Campbell airfield near Hopkinsville. Other measured peak gusts included 48 mph at Madisonville, 47 mph at Owensboro, Morganfield, and Cadiz, 46 mph at Henderson and Marion, and 45 mph at Hickman in Fulton County. The cause of the strong winds was a strong pressure gradient between low pressure over the upper Mississippi Valley and high pressure over the Eastern seaboard.

KYZ014-018-019

Daviess - Henderson - Union

20	0400CST 0700CST				0	0	0.00K	0.00K	Dense Fog
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Dense fog blanketed the Henderson/Owensboro area of western Kentucky during the early morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred in a light southerly flow of moist air around high pressure centered off the Carolina coast.

Muhlenberg County
1 NW Knightsburg
1 WNW Paradise

24	1000CST								
29	1700CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the Green River. Some low-lying fields and woods near the river were underwater.

Union County
2 WSW Uniontown

27	0500CST								
29	2359CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the Ohio River. Some fields and woods in the bottomlands were underwater. The river continued rising into early March.

McLean County
Calhoun

27	0600CST								
28	1000CST				0	0	0.00K	0.00K	Flood

Minor flooding occurred along the Green River. Some low-lying fields and woods near the river were underwater.

Storm Data and Unusual Weather Phenomena

February 2016

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

Between the 20th and the 25th, a quasi-stationary front sagged south across the Lower Ohio Valley. It then lifted back north as an area of low pressure developed on the front and moved northeast. Widespread showers with moderate to heavy rain fell during this time period. Precipitation during this period ranged between 1 and 3 inches. The rain brought the Ohio and Green Rivers above flood stage by the end of the month.

**KYZ001>005-007>
008**

Ballard - Carlisle - Fulton - Hickman - Livingston - Marshall - McCracken

28	1200CST								
	1500CST				0	0	7.0K	0.00K	Strong Wind

A strong pressure gradient between an approaching cold front to the west and high pressure over the southeast U.S. produced strong southwest winds across parts of the Purchase area of western Kentucky. The highest measured wind gust was 47 mph at a meteorologist's private home in Calvert City. A wind gust to 45 mph was measured at the National Weather Service office in Paducah. The strong winds were northwest of a line from Mayfield to Marion, Kentucky.

LOUISIANA, Northeast

Morehouse Parish

1 S Oak Ridge

23	1910CST								
					0	0	0.00K	0.00K	Hail (0.88)

Catahoula Parish

Enterprise

23	1915CST								
					0	0	0.00K	0.00K	Hail (1.00)

Franklin Parish

1 E Wisner

23	1935CST								
					0	0	0.00K	0.00K	Hail (1.00)

West Carroll Parish

1 N Pioneer

23	1947CST								
					0	0	3.00K	0.00K	Thunderstorm Wind (50EG)

A tree was blown down across Highway 17 near the intersection of Highway 588.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Concordia Parish

1 W Concordia Jct

23	1949CST								
					0	0	0.00K	0.00K	Hail (1.00)

Quarter sized hail occurred at the 84 Quick Stop.

Showers and thunderstorms occurred across the region in association with a potent low pressure system. Some of these storms produced strong damaging wind gusts and hail.

LOUISIANA, Northwest

LAZ001

Caddo

08	1405CST								
					0	0	0.3K	0.00K	Strong Wind

A very tight pressure gradient behind a cold front resulted in very strong northwest winds across the entire Four State Region during much of the day on Monday, February 8th. Sustained winds averaged between 20-30 mph with gusts between 40-50 mph. The peak wind gust measured at the Shreveport Regional Airport was 48 mph, where the winds blew over and destroyed a green house and the plants inside at a residence in the Broadmoor area of Shreveport.

LAZ018

Natchitoches

09	1106CST								
10	1000CST				0	0	250.0K	0.00K	Wildfire

A large wildfire sparked shortly after 11 am on February 9th off of State Highway 119 near Boone Road one mile northwest of the Flatwoods community in far southern Natchitoches Parish near the Rapides Parish line. Very low humidities between 20-25%, gusty northwest winds near 30 mph, and dry fuels due to the lack of wetting rainfall the prior 2-3 weeks helped to fuel this fire, which burned 871 acres near the Kisatchie National Forest. Four buildings (mainly sheds/barns) were burned, two tractors and one truck were destroyed in the wildfire near the Gorum and Flatwoods communities. The Louisiana Department of Transportation closed Louisiana Highway 119 from the Derry community to Louisiana Highway 8 in the Flatwoods community. Multiple fire districts from Natchitoches and Rapides Parishes along with the Louisiana Department of Agriculture and Forestry (including air support), and the U.S. Forest Service responded to this wildfire, which was finally extinguished during the morning of February 10th.

Storm Data and Unusual Weather Phenomena

February 2016

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

Bossier Parish

Vanceville

15	0930CST				0	0	30.00K	0.00K	Lightning
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Lightning struck a home on Crighton Ridge in the Autumn Ridge subdivision in North Bossier City.

Bossier Parish

Honore

15	0930CST				0	0	50.00K	0.00K	Lightning
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Lightning struck a home in the Chez Moi Garden Subdivision in North Bossier City.

Natchitoches Parish

1 SW Natchitoches

15	1100CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Strong winds blew down solar panels off of a home in Natchitoches.

Scattered to numerous showers and thunderstorms developed along a southeast moving cold front across Northwest Louisiana during the morning and afternoon hours of Monday, February 15th. Lift was produced by an upper level trough which moved south and east out of the Southern Plains and into the Lower Mississippi Valley. Cold temperatures aloft resulted in many of these storms producing small hail, mostly pea to half inch size. These thunderstorms were also prolific cloud to ground lightning producers. There were a few reports of lightning hitting structures across Northwest Louisiana during the morning hours of February 15th. These showers and thunderstorms spread farther southeast along the front during the late morning hours, with an isolated severe thunderstorm producing damaging winds which blew solar panels off of a home in Natchitoches. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Sabine Parish

4 SE Pleasant Hill

23	1707CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail fell southeast of Pleasant Hill.

Natchitoches Parish

Messick

23	1715CST				0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail fell in the Fairview Alpha Community along the Red River/Natchitoches Parish line. Pictures were posted on the KALB-TV Facebook Page.

Natchitoches Parish

1 SW Natchitoches

23	1723CST 1730CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail fell and lasted seven minutes and partially covered the ground.

Natchitoches Parish

1 SW Natchitoches

23	1724CST				0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail fell at the Natchitoches Parish Sheriff's Office.

Natchitoches Parish

1 SSW Natchitoches

23	1725CST				0	0	0.00K	0.00K	Hail (1.25)
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Half Dollar size hail fell in Natchitoches.

Winn Parish

1 NW Winnfield

23	1800CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail fell in Winnfield. A photo of the hail was posted to the KALB-TV Facebook page.

Winn Parish

1 ENE Atlanta

23	1805CST				0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail fell in the Atlanta community.

La Salle Parish

Jena

23	1850CST				0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail fell in Jena. A photo was posted to the KALB-TV Facebook page.

A warm front lifted north across Southeast Texas and the Toledo Bend Reservoir into the southern sections of Northcentral Louisiana during the afternoon hours of February 23rd, ahead of a strong upper level trough that traversed east across Northcentral Texas into Northern Louisiana. Instability increased across the warm sector as large scale forcing spread east along the front, resulting in the development of scattered severe thunderstorms across the southern sections of Northcentral Louisiana. Several reports of large hail were received as these storms moved east across the area.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
LOUISIANA, Southeast									
East Baton Rouge Parish									
Baywood	02	0945CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG) Thunderstorm wind gusts downed a pine tree in Baywood. A line of thunderstorms developed over southern Louisiana during the morning hours of the 2nd ahead of a cold front. One report of wind damage was received. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.
West Feliciana Parish									
2 E Rosebank	15	1128CST			0	0		0.00K	Thunderstorm Wind (60EG) A few trees were reported blown down by thunderstorm winds west-northwest of Wakefield. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
West Feliciana Parish									
Mc Gehee	15	1138CST			0	0	0.00K	0.00K	Hail (1.50) Ping pong ball sized hail was reported at the South of the Border Gas Station northwest of Spillman.
West Feliciana Parish									
3 N Spillman	15	1138CST			0	0		0.00K	Thunderstorm Wind (60EG) A few trees were reported blown down north of Spillman. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
West Feliciana Parish									
5 WSW St Francisville Arpt	15	1215CST			0	0		0.00K	Hail (1.00) An amateur radio operator relayed a report of one inch diameter hail and estimated winds of 50 mph from west of St. Francisville.
East Feliciana Parish									
Slaughter	15	1250CST			0	0	0.00K	0.00K	Hail (1.75) Golf ball size hail was reported in Slaughter. Event time was based on radar.
Livingston Parish									
9 E Weiss	15	1430CST			0	0	0.00K	0.00K	Hail (0.75) Dime to penny size hail was reported in Pine Grove by the Parish Emergency Manager.
East Baton Rouge Parish									
Milldale	15	1435CST			0	0	0.00K	0.00K	Hail (1.00) Quarter size hail was reported in Milldale.
Iberville Parish									
1 SE Rosedale	15	1446CST			0	0		0.00K	Thunderstorm Wind (60EG) A Baton Rouge television meteorologist relayed a video of a roof blown off of a trailer near Louisiana Highway 77 and Fannie Mae Road in Grosse Tete. A strong storm system moving through the Mississippi River Valley aided the development of several lines of thunderstorms during the morning and afternoon hours of the 15th. Numerous reports of severe weather were received with this system. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
St. Charles Parish									
1 ENE Ama	23	1056CST			0	0		0.00K	Thunderstorm Wind (50EG) In Ama, straight line winds lifted a patio cover over a house, dropping it in the front yard. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.
St. Charles Parish									
4 SE Des Allemands	23	1056CST			0	0		0.00K	Thunderstorm Wind (50EG) Straight line wind damage in the Bayou Gauche area consisted of a garage door blown in and damage to a fence on Beau Plaza Blvd. Vinyl siding damage was also noted on Bayou Rd. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.
Jefferson Parish									
2 S Moisant Arpt	23	1111CST 1113CST	0.58	50	0	0		0.00K	Tornado (EF0) A tornado touched down in Kenner near the intersection of Audubon Ct and 3rd St. It moved toward the northeast causing damage to roofs and power poles. It lifted as it neared the intersection of James St. and Pollock Plaza.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
LOUISIANA, Southeast									
Iberville Parish									
1 WNW Samtown Pt Clair	23	1120CST 1125CST	3.32	50	0	0	0.00K		Tornado (EF0)
The tornado caused intermittent damage along its track near White Castle. Damage consisted of peeled back tin roofs, damage to power lines, and large tree branches downed. Maximum wind speeds were estimated near 65 mph.									
Ascension Parish									
Oak Grove 1 SE Hope Villa	23	1208CST 1213CST	1.61	200	0	0	0.00K		Tornado (EF0)
The tornado touched down in the Prairieville area just west of Airline Hwy causing roof damage and knocking down an exterior wall at Gold's Gym. It then crossed Airline Hwy causing additional roof and siding damage to several other businesses. From there the tornado continued northeastward into a residential area causing damage to roofs, sheds, and patios. It lifted as it approached Oak Grove Parkway.									
Livingston Parish									
1 WSW Livingston 3 N Doyle	23	1242CST 1251CST	4.33	625	0	0	0.00K		Tornado (EF2)
The tornado touched down in a wooded area between Grantham and McLin Roads southwest of Livingston. In this area, it snapped trees and caused roof damage consistent with an EF-1. As it moved northeastward, it strengthened and widened. The tornado completely removed the roof structure of one home on Circle Drive and another on West Railroad Street, consistent with an EF-2. The tornado is believed to have been its strongest as it approached North Willow Street. Here, it removed the entire roof structure of a home and collapsed an exterior wall of a home. Maximum wind speeds in this area were estimated to be 125 mph. The tornado then weakened as it moved into a mostly wooded area, but continued to cause damage to trees and a few roofs, lifting as it approached the intersection of North Doyle Road and Edgar Mizell Road.									
St. Helena Parish									
2 NNW Montpelier	23	1314CST 1315CST	0.3	50	0	0	0.00K		Tornado (EF0)
A weak tornado touched down near Montpelier and tracked northeast shifting a mobile home off its block piers and damaging the roof. It also destroyed a metal shed and snapped a few small trees. It lifted near Jackson Lane. Maximum wind speed was estimated near 85 mph.									
Iberville Parish									
Goldridge Samtown	23	1510CST 1513CST	1.03	200	0	0	0.00K		Tornado (EF0)
A second weak tornado touched down in the White Castle area producing damage consisting of garage doors blown in, some light roof damage, and sheds demolished. Maximum wind speeds were estimated near 80 mph.									
Assumption Parish									
1 N Westfield 1 ESE Brulie Maurin	23	1521CST 1531CST	7.78	350	0	0	0.00K		Tornado (EF3)
A strong tornado touched down just southwest of Paincourtville and moved northeast. Near the junction of LA Hwy 1, LA Hwy 308, and LA Hwy 70, there was considerable damage to residential and commercial buildings consistent with an EF-2 to a two story apartment building, hardware store, and commercial business. The tornado reached maximum strength as it moved along LA 1/LA 308, causing major damage to an area of small frame houses and mobile homes. In this area, the 2nd floor of a well-constructed brick home was nearly removed. This damage was consistent with wind speeds near 140 mph, or EF-3. The tornado continued moving to the northeast and crossed into St. James Parish.									
St. James Parish									
5 SW Union 4 NNW Grand Pt	23	1531CST 1542CST	12.95	350	2	75	0.00K		Tornado (EF2)

Storm Data and Unusual Weather Phenomena

February 2016

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

A strong tornado moved out of Assumption Parish into St James Parish causing significant damage to trees as it approached the Mississippi River. After crossing the river, the tornado moved through the Sugar Hill RV Park where numerous travel trailers were tossed and destroyed. Two fatalities and approximately 75 injuries occurred at the RV park. An EF scale rating of EF-2 was assigned to the damage at and in the vicinity of the RV park. The tornado weakened as it continued northeastward, snapping trees and causing minor property damage. It dissipated as it reached Airline Highway. St. James Parish Emergency Management reported 25 to 50 homes were total losses and a public housing complex had major damage. The tornado's peak intensity of EF-3 occurred in Assumption Parish. M59MH, M51MH

St. John The Baptist Parish

1 NNW Ruddock

23	1615CST								
	1617CST	3.15	250	0	0	0.00K	0.00K	Tornado (EF1)	

A tornadic waterspout spawned from the same parent supercell as the Assumption/St. James tornado moved on shore from Lake Maurepas near Akers. It snapped numerous cyprus trees before moving into Lake Pontchartrain.

St. John The Baptist Parish

1 ENE Montegut

1 W Frenier

23	1632CST								
	1644CST	4.69	250	0	17	0.00K	0.00K	Tornado (EF2)	

A strong tornado touched down in the LaPace area, just south of Airline Hwy near a church, removing much of its roof covering. It moved northeast through a retail area causing damage consistent with an EF-1 before moving through several densely populated subdivisions. In the Carrollwood subdivision, mostly superficial roof and tree damage was observed. It strengthened as it moved into the Riverland Heights subdivision, moving roughly parallel to Greenwood Drive where many homes suffered roof damage and a few lost portions of the roof structure. It continued intensifying as it moved into the Cambridge area. Here, a few homes and duplexes suffered partial to total loss of roof structure and decking, along with partial collapse of exterior walls consistent with estimated winds around 120 mph. The tornado was strongest in the Palmetto and Indigo Estates areas. Near the intersection of Nicole and Gail Streets, 2 single story homes suffered complete roof loss as well as total failure of most exterior walls. A third home lost about half of its second floor. Damage in this area was consistent with strong EF-2 winds near 130 mph. The tornado then weakened as it crossed Interstates 10 and 55. It continued to cause tree damage until it reached the intersection of Frenier Rd and US Hwy 51, where it lifted.

St. Tammany Parish

2 SSE Houltonville

23	1641CST								
	1642CST	0.38	25	0	0		0.00K	Tornado (EF0)	

A tornadic waterspout spawned from the same parent supercell as the Assumption/St. James and Akers tornadoes moved onshore from Lake Pontchartrain south of Madisonville near the end of Hwy 1077. It destroyed a metal boat shed and caused minor fascia damage to a bar. Maximum wind speeds were estimated near 65 mph.

St. Tammany Parish

2 W Lacombe

23	1713CST								
	1715CST	1.5	75	0	0		0.00K	Tornado (EF0)	

A tornadic waterspout spawned from the same parent supercell as the LaPlace tornado came on shore from Lake Pontchartrain near Lacombe. Due to inaccessibility, the first damage was noted near a plant nursery at Powell Street and Pinchon St where a greenhouse was damaged. The tornado moved northeast across Hwy 190 and into a residential area. In this area, several homes suffered superficial damage to shingles, fascia, and a few broken windows. Some minor tree damage was also observed. Maximum wind speeds were estimated near 80 mph.

A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
LOUISIANA, Southwest									
Allen Parish									
1 NW Mittie	15	0930CST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
Local media relayed a report of roof damage to a home.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Avoyelles Parish									
2 NNE Dupont	15	1022CST			0	0	10.00K	0.00K	Tornado (EF0)
		1023CST	0.32	20	0	0			
A weak tornado briefly touched down on highway 1181 east-southeast of Plaquemine in Avoyelles Parish. Three mobile homes and one brick home received minor damage to shingles, large roof awnings, and attached carports. One mobile home had a separate building for cooking and storage that had a wall break off when the roof awning blew off and also, a window broken when wind picked up an item and it hit the window. A small but sturdy storage shed was picked up spun and landed 20 yards from its original location. A large barn had a section of a door and wall blown off. Several trees were snapped.									
Rapides Parish									
1 S Anandale	15	1220CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
Damage was done to two businesses in Alexandria. Wind removed a portion of the roof of Pizza Hut and a wall at a near by car wash was also blown down.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Acadia Parish									
1 W Iota	15	1245CST			0	0	0.00K	0.00K	Hail (1.00)
A picture of quarter size hail was received through Facebook.									
Jefferson Davis Parish									
4 NNW Niblett	15	1304CST			0	0	0.00K	0.00K	Tornado (EF0)
4 S Welsh Arpt		1305CST	0.78	10	0	0			
A tornado touched down just north of Arceneaux Road and moved across empty rice fields. No damage was reported.									
Acadia Parish									
1 E Church Pt	15	1316CST			0	0	0.00K	0.00K	Hail (1.00)
A picture of quarter size hail was received through Facebook.									
Calcasieu Parish									
Araret	15	1325CST			0	0	0.00K	0.00K	Hail (1.00)
Calcasieu Parish									
4 NE Lake Charles Chloe F	15	1335CST			0	0	0.00K	0.00K	Hail (1.00)
Local media relayed the report of one inch hail.									
Calcasieu Parish									
1 NE Iowa	15	1345CST			0	0	0.00K	0.00K	Hail (1.00)
A picture of quarter size hail was received through social media.									
Jefferson Davis Parish									
1 N Lacassine	15	1406CST			0	0	0.00K	0.00K	Hail (2.00)
A picture of two inch hail was received through Facebook.									
Jefferson Davis Parish									
3 SSW Welsh Arpt	15	1417CST			0	0	0.00K	0.00K	Hail (2.00)
A picture of 2 inch hail was received through social media.									
Iberia Parish									
1 S Morbihan	15	1547CST			0	0	0.00K	0.00K	Hail (1.00)
The public reported quarter size hail in New Iberia.									
Iberia Parish									
1 N New Iberia	15	1548CST			0	0	0.00K	0.00K	Hail (1.00)
A picture of quarter size hail was received through social media.									

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LOUISIANA, Southwest

Rapides Parish

1 E Alexandria
2 NE Willow Glen

15	2105CST				0	0	0.00K	0.00K	Flash Flood
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Heavy rainfall over southern sections of Alexandria produced flooded roadways. Some roadways had 2 feet of water over them.

Rapides Parish

1 E Alexandria
2 NE Willow Glen

15	2105CST				0	0	0.00K	0.00K	Flash Flood
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Heavy rainfall over southern sections of Alexandria produced flooded roadways. Some roadways had 2 feet of water over them.

A strong upper level disturbance and a cold front moved across the region during the morning of the 15th producing several severe thunderstorms and a tornado.

Lafayette Parish

2 SW Scott

23	1302CST				0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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Utility poles were reported down on Landry Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

St. Mary Parish

1 SSW Baldwin
1 NNW Katy

23	1437CST				0	0	40.00K	0.00K	Tornado (EF1)
	1439CST	2.62	50		0	0			

An EF-1 tornado touched down in a sugar cane field near highway 90...and was on the ground for 2.6 miles before it dissipated in another sugar cane field near highway 87. In between 2 businesses and 28 homes were damaged. One restaurant lost most of its flat metal roof, several mobile homes lost most of their metal roofs, and a few homes were knocked off their pilings. Other homes had windows and sheet metal damage...as well as garages and carports. Many trees were snapped and at least 20 telephone/power poles were snapped as well.

Rapides Parish

4 NNE Buckeye

23	1851CST				0	0	0.00K	0.00K	Hail (1.00)
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A picture of quarter size hail was posted to Twitter.

LAZ052-073-074

East Cameron - Vermilion - West Cameron

24	0030CST				0	0	0.00K	0.00K	Astronomical Low Tide
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A cold front move across Louisiana and a few severe storms occurred ahead of the boundary.

MAINE, North

MEZ015>017-029>
030-032

Central Washington - Coastal Hancock - Coastal Washington - Interior Hancock - Northern Washington - Southern Penobscot

05	0600EST				0	0			Heavy Snow
	1900EST								

A front stalled southeast of the Gulf of Maine during the 5th...while intensifying low pressure tracked along the front. The low brought heavy snow to Downeast areas with accumulations of 6 to 13 inches. Snow developed during the morning of the 5th. Snow...heavy at times...persisted through the afternoon then ended during the evening. Warning criteria snow accumulations occurred through the afternoon hours.

13	0100EST				0	0			Heavy Snow
	2230EST								

A Norlun type snow event brought heavy snow to portions of coastal Hancock county during the 13th. Snow began during the early morning hours of the 13th...persisted through the afternoon into the evening...then ended during the late evening. Warning criteria snow accumulations occurred during the morning of the 13th. Snow rates of several inches per hour occurred through the morning of the 13th. The heavy snow was focused across the southwest corner of the region along with offshore islands where storm total snow accumulations of 10 to 16 inches occurred. A sharp snow gradient existed between the area of heaviest snow and other locations where snow accumulations ranged from 1 to 3 inches.

MEZ001>006-010-
031

Central Piscataquis - Northeast Aroostook - Northern Penobscot - Northern Piscataquis - Northern Somerset - Northwest Aroostook - Southeast Aroostook - Southern Piscataquis

14	0200EST				0	0			Extreme Cold/Wind Chill
	0900EST								

Storm Data and Unusual Weather Phenomena

February 2016

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MAINE, North

Dangerous wind chill temperatures occurred across the region during the morning of the 14th. Air temperatures of 10 to 20 below zero combined with winds of 10 to 20 mph to produce wind chills of 35 to 40 below zero. The final day of the Biathlon World Cup in Presque Isle was cancelled on the 14th due to the dangerous wind chills.

MEZ015>017-029> 030-032

Central Washington - Coastal Hancock - Coastal Washington - Interior Hancock - Northern Washington - Southern Penobscot

16	1800EST				0	0			High Wind
	2300EST								

Intensifying low pressure tracking northeast through the Saint Lawrence River Valley drew a cold front across the region during the 16th. A strong low level jet moved across the region in advance of the front during the afternoon and evening hours. Wind gusts of 70 to nearly 80 mph were reported along the Downeast coast...with 55 to 65 mph gusts across interior Downeast areas. The strongest winds occurred during the evening hours. A peak wind gust of 77 mph was reported at Pembroke in coastal Washington county...with wind gusts in excess of 70 mph also reported at Lubec and Eastport. The winds snapped branches and brought down trees and power lines which contributed to extensive power outages. At the peak of the event...during the evening...around 10000 customers were without power. Structural damage also occurred. In Brewer...metal siding was torn from a building. A roof was torn from a building in Calais. Shingle and siding damage was reported at several locations along the coast.

MEZ001

Northwest Aroostook

24	0900EST								
25	1000EST				0	0			Winter Storm

Penobscot County Orono

25	0415EST				0	0			Thunderstorm Wind (52EG)
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Trees were toppled and power lines brought down by wind gusts estimated at up to 60 mph. The time is estimated.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Penobscot County Lincoln

25	0425EST				0	0			Thunderstorm Wind (52EG)
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A large tree was toppled in Lincoln by wind gusts estimated at up to 60 mph. The time is estimated.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Penobscot County Chester

25	0430EST				0	0			Thunderstorm Wind (52EG)
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Trees were toppled by wind gusts estimated at up to 60 mph. Power outages were also reported. The time is estimated.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Piscataquis County Milo

25	0500EST				0	0			Thunderstorm Wind (52EG)
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Several trees were toppled and numerous tree limbs of varying size were snapped by wind gusts estimated at up to 60 mph from Milo to Dover-Foxcroft. Power outages were also reported. The winds combined with ice on the trees to produce the damage. The time is estimated.

Low pressure tracking north of Maine drew a warm front across the region from the 24th into the 25th. Snow developed during the 24th then transitioned to a wintry mix through the morning of the 25th before temperatures warmed above freezing during the late morning. Snow accumulations across northwest Aroostook county ranged from 5 to 8 inches...with localized sleet accumulations up to a half inch. Ice accumulations generally ranged from a 0.25 inch to 0.33 inch though localized accumulations of around 0.50 inch also occurred. Areas of elevated convection developed during the early morning hours of the 25th. The elevated convection and heavy rain helped mix strong winds aloft to the surface which contributed to wind damage with downed trees. Across portions of Piscataquis county ice on trees also contributed to the downed trees. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Piscataquis County 2 NNW Milo

26	1500EST						0.00K	0.00K	Flood
27	1600EST				0	0			

An ice jam developed on the Pleasant River in Milo during the afternoon of the 26th. The ice jam produced occasional minor flooding into the afternoon of the 27th when water began to flow through the jam and flooding ended. Pleasant Street was closed for a time due to flooding with water also occasionally impacting Pleasant River Road. The ice jam was around a mile long.

Storm Data and Unusual Weather Phenomena

February 2016

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

An ice jam developed on the Pleasant River in Milo during the afternoon of the 26th. Occasional minor flooding persisted into the afternoon of the 27th when water began to flow through the jam ending the flood threat. Pleasant Street was closed for a time due to flooding with water also occasionally impacting Pleasant River Road. The ice jam was around a mile long.

MAINE, South

MEZ018>028

Androscoggin - Coastal Cumberland - Coastal Waldo - Coastal York - Interior Cumberland - Interior Waldo - Interior York - Kennebec - Knox - Lincoln - Sagadahoc

05	0500EST 1900EST				0	0	0.00K	0.00K	Heavy Snow
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An elongated area of low pressure stretching from the outer banks of North Carolina to the Gulf of Maine on the morning of the 5th intensified as it moved rapidly northeast during the day. The storm brought a moderate to heavy snowfall to much of the area south of the foothills with little or no snow in the mountains. Snowfall amounts south of the foothills generally ranged from 4 to 10 inches with coastal areas seeing the most snow.

MEZ023-024

Coastal Cumberland - Coastal York

09	1200EST 1315EST				0	0	140.0K	0.00K	Coastal Flood
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Flooding occurred along the coast of Maine on February 9th as an intense storm passed east of the Canadian Maritimes during a period of high astronomical tides. Large, long-period swells combined with a storm surge between one and two feet to lead to splash-over and coastal flooding.

The high astronomical tide in Portland (flood stage 12.0 ft.), of 11.0 ft. combined with a 1.56 ft. storm surge to reach a 12.47 ft. storm tide during the late morning. The high tide and fresh water runoff contributed to flooding along the wharf side streets in Portland. In Biddeford, minor flooding occurred on Granite Point Road. Significant splash-over occurred on Main Avenue and Water Street in Saco leading to significant flooding and a trapped automobile, while several roads were closed in Wells for safety and clean up of rocks and debris.

Kennebec County 1 W Augusta

17	0912EST								
18	0742EST				0	0	0.00K	0.00K	Flood

Snow melt and around an inch of rainfall produced an ice jam on the Kennebec River at Augusta, (flood stage 12.0 ft) resulting in minor flooding and a crest of 14.35 ft.

Temperatures in the 50s produced rapid snow melt and this combined with rainfall of around 1 inch causing the Kennebec River at Augusta to rise. This caused the formation of an ice jam and minor flooding with no damage reported.

MARYLAND, Central

MDZ004

Frederick

01	2245EST								
02	0430EST				0	0			Dense Fog

Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of Central Maryland.

03	1350EST								
04	0415EST				0	0			Dense Fog

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Maryland.

Montgomery County Brookeville

03	1529EST 1729EST				0	0	0.00K	0.00K	Flood
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Brookville Road was closed in both directions due to high water just west of Georgia Ave - MD 97.

Storm Data and Unusual Weather Phenomena

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MARYLAND, Central

Montgomery County 1 ESE Barnesville

03	1536EST				0	0	0.00K	0.00K	Flood
	1736EST								

High water closes intersection at Barnesville Road and Peach Tree Road.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

MDZ014

Anne Arundel

03	1551EST				0	0			Dense Fog
	1901EST								

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Maryland.

Carroll County 1 N Mayberry

03	1600EST				0	0	0.00K	0.00K	Flood
04	1015EST								

Mayberry Road was closed due to high water.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

MDZ502

Central and Eastern Allegany

03	1637EST				0	0			Dense Fog
04	0118EST								

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Maryland.

Carroll County Union Bridge

03	1800EST				0	0	0.00K	0.00K	Flood
04	1015EST								

Maryland route 75 and North Main Street was closed due to high water just north of Union Bridge.

Carroll County 1 WSW Gunpowder

03	1800EST				0	0	0.00K	0.00K	Flood
04	1015EST								

North of the Lineboro Road and Water Tank Road intersection was closed due to high water.

Frederick County 1 W Sams Creek

03	1800EST				0	0	0.00K	0.00K	Flood
04	1015EST								

Sams Creek was out of its banks with about a foot of water flowing over Sams Creek Road.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

MDZ003-005-011-504

Carroll - Central And Southeast Montgomery - Southern Baltimore - Washington

03	1855EST				0	0			Dense Fog
04	0533EST								

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Maryland.

Storm Data and Unusual Weather Phenomena

February 2016

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MARYLAND, Central

Frederick County

Pearl	04	0440EST							
Frederick Jct	05	0121EST			0	0	0.00K	0.00K	Flood

The stream gauge on Monocacy River at Frederick reached flood stage. The gauge peaked at 16.71 feet at 15:30 EST. Both banks of the river are flooded. Water began to flood low-lying fields at Monocacy National Battlefield. Water reached the access road of the Frederick City wastewater treatment plant. Backwater flooding occurred on several area creeks, particularly Carroll Creek in Frederick.

Montgomery County

4 SW Poolesville	04	0507EST							
	05	2325EST			0	0	0.00K	0.00K	Flood

The river gauge on the Potomac River at Edwards Ferry reached flood stage. The gauge peaked at 17.63 feet at 02:00 EST. Water reached the boat ramp and lower parking area at Edwards Ferry, and begins to inundate areas near Whites Ferry.

Frederick County

1 SW Ceresville	04	0524EST							
		2200EST			0	0	0.00K	0.00K	Flood

The stream gauge on Monocacy River at Frederick reached flood stage. The gauge peaked at 19.66 feet at 13:30 EST.

Montgomery County

1 E Dawsonville	04	1955EST							
1 NNW Seneca		2214EST			0	0	0.00K	0.00K	Flood

The stream gauge on Seneca Creek at Dawsonville reached flood stage. The gauge peaked at 7.55 feet at 22:20 EST. Portions of the Seneca Creek Greenway are flooded. A small portion of Berryville Road west of Darnestown begins to flood.

Frederick County

1 SSE Points Of Rocks	05	0015EST							
		0045EST			0	0	0.00K	0.00K	Flood

The stream gauge on Potomac River at Point of Rocks reached flood stage. The gauge peaked at 16 feet at 00:15 EST. The parking lots at both the McKimney and Brunswick boat ramps began to flood. Flooding of an agricultural field adjacent to the McKimney boat ramp occurred. About half the lower parking lot of the Point of Rocks boat ramp also flooded.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

MDZ501

Extreme Western Allegany

08	2200EST								
09	1000EST		0	0					Winter Weather

MDZ005

Carroll

09	0300EST								
	1300EST		0	0					Winter Storm

MDZ003-006-011-502>505-507>508

Central And Southeast Montgomery - Central and Eastern Allegany - Frederick - Northern Baltimore - Northwest Harford - Northwest Howard - Northwest Montgomery - Southeast Harford - Southern Baltimore - Washington

09	0300EST								
	1100EST		0	0					Winter Weather

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of central Maryland.

Storm Data and Unusual Weather Phenomena

February 2016

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MARYLAND, Central

MDZ014-017

Anne Arundel - St. Mary`s

09	0800EST				0	0			Coastal Flood
	1836EST								

Increased anomalies ahead of low pressure on southerly flow ranged from 1.5 to 2.5 ft. This combined with a higher astronomical tide resulted in moderate coastal flooding occurring across southern Maryland.

MDZ003-501-502

Central and Eastern Allegany - Extreme Western Allegany - Washington

14	2100EST				0	0			Ice Storm
16	1000EST								

MDZ016-018

Calvert - Charles

14	2300EST				0	0			Winter Storm
16	0300EST								

MDZ013-014

Anne Arundel - Prince Georges

14	2300EST				0	0			Winter Weather
16	0600EST								

MDZ004-006-011-504-506>508

Central And Southeast Howard - Central And Southeast Montgomery - Frederick - Northern Baltimore - Northwest Harford - Southeast Harford - Southern Baltimore

15	0100EST				0	0			Winter Weather
16	0600EST								

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

MDZ014

Anne Arundel

21	1712EST				0	0			Dense Fog
	2040EST								

Onshore flow as high pressure built in increased moisture in the lower levels, which under light winds, led to patches of dense fog to form.

MDZ017

St. Mary`s

24	0933EST				0	0			Dense Fog
	1243EST								

A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog over southern Maryland.

Calvert County

2 N Parran

24	1610EST				0	0			Thunderstorm Wind (52EG)
Multiple trees were reported down at Hardesty Rd and Hardesty Court.									

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Montgomery County

1 S Cedar Grove

24	1742EST				0	0			Thunderstorm Wind (61EG)
Numerous wires were reported down at Route 27 at Davils Mill Rd.									

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

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MARYLAND, Central

Montgomery County

1 W Neelsville

24	1745EST				0	0			Thunderstorm Wind (56MG)
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Note: The measured wind gust of 56 knots is equivalent to 64 mph.

Montgomery County

1 NE Cedar Grove

24	1748EST				0	0			Thunderstorm Wind (61EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Numerous large trees were reported down on homes and power lines.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Montgomery County

1 SW Fox Chapel

24	1749EST				0	0			Thunderstorm Wind (54MG)
----	---------	--	--	--	---	---	--	--	--------------------------

Note: The measured wind gust of 54 knots is equivalent to 62 mph.

Montgomery County

1 W Neelsville

24	1749EST				0	0			Thunderstorm Wind (61MG)
----	---------	--	--	--	---	---	--	--	--------------------------

Note: The measured wind gust of 61 knots is equivalent to 70 mph.

Montgomery County

1 N Cedar Grove

24	1749EST				0	0			Thunderstorm Wind (61EG)
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Numerous white pine trees were snapped about 10 feet above the ground in a similar direction near Cedar Grove Elementary.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Montgomery County

Damascus

24	1750EST				0	0			Thunderstorm Wind (61EG)
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Numerous trees were toppled in the Preakness Drive area.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Calvert County

Willows

24	1800EST				0	0			Thunderstorm Wind (61EG)
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Multiple large trees uprooted and blown onto power lines, resulting in toppled power lines, all which resulted in blockage of the entire roadway.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Howard County

1 NNE Cooksville

24	1806EST				0	0			Thunderstorm Wind (61EG)
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A large cedar tree about two feet in diameter, was reported down.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells. Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Montgomery County

Glen Echo

24	1818EST								
25	0147EST				0	0	0.00K	0.00K	Flood

There was a water rescue reported Massachusetts Avenue and Goldsboro Road.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

Prince George's County

1 N Accokeek

24	1822EST				0	0			Thunderstorm Wind (52EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Multiple trees and power lines were reported down.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Baltimore County

1 SW Ruxton

24	1839EST				0	0			Thunderstorm Wind (56MG)
----	---------	--	--	--	---	---	--	--	--------------------------

Note: The measured wind gust of 56 knots is equivalent to 64 mph.

Baltimore County

3 WNW Sparrows Pt

24	1842EST				0	0			Thunderstorm Wind (56EG)
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A large tree was reported down across Calhoun St in West Baltimore.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

Storm Data and Unusual Weather Phenomena

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MARYLAND, Central

St. Mary's County

1 E Avenue

24	1856EST				0	0			Thunderstorm Wind (56EG)
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A very large tree was reported down across the intersection of Hatchet Thicket Rd and Olen Mattingly Rd. The tree was too large to be removed by chain saws.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased shear across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells. Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

Frederick County

1 ENE Woodsboro

24	1900EST								
25	1100EST				0	0	0.00K	0.00K	Flood

Maryland route 550 was flooded and closed in both directions at Council Drive.

Baltimore County

1 SSE Halethorpe

24	1908EST								
	1931EST				0	0	0.00K	0.00K	Flood

The stream gauge on East Branch Herbert Run at Arbutus reached a flood stage of 7 feet. The gauge peaked at 7.18 feet at 19:15 feet. Water covered yards near Tom Day Boulevard.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

St. Mary's County

1 ESE Hunterville

24	1910EST				0	0			Thunderstorm Wind (56EG)
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Multiple trees were reported down across the intersection of New Market Turner Rd and Flora Corner Rd.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

St. Mary's County

1 WNW White Pt Beach
1 SSE Beauvue

24	1912EST								
	1914EST	6.55	75	0	0				Tornado (EF0)

The National Weather Service Baltimore/Washington Weather Forecast Office has confirmed a tornado struck the St. Marys County shoreline just south of Beauvue on Tuesday, February 24, 2016.

A National Weather Service ground survey along with radar analysis concluded the Tappahannock, Virginia tornado, which created a 30 mile path of damage across the middle peninsula and northern neck of Virginia crossed the Potomac and traveled a mile into St. Marys County, Maryland before dissipating. The tornado was small in Maryland. Most of its 6.5 mile path in Maryland was over the Potomac River. However once it moved ashore, it produced damage along a 1.1 mile path that was oriented southwest to northeast across Hampton Road. The National Weather Service has classified this tornado as an EF-0. Peak winds were estimated at 65 mph.

The tornados path width was approximately 75 yards. The damage path consisted of two large trees uprooted on private property in the 20500 block of Hampton Road, two cedar trees sheared in half along Hampton road and a tree down in the 20700 block of Hampton Road.

The damage coincided with a tornadic signature on NWS and FAA Doppler Radars. Areas farther north, just east of Leonardtown were inspected but no additional tornadic damage was found.

St. Mary's County

1 SE Hollywood

24	1913EST				0	0			Thunderstorm Wind (56EG)
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Multiple trees were reported down near the intersection of Indian Bridge Rd and Willis Dr.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

St. Mary's County

1 N Great Mills

24	1915EST				0	0			Thunderstorm Wind (52EG)
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Multiple trees and wires were reported down in the vicinity of Cecil's Country Store on Indian Bridge Rd.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

St. Mary's County

1 S Lnrtdwn St Marys Arp

24	1916EST				0	0			Thunderstorm Wind (52EG)
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A large tree was reported down blocking Wildewood Parkway at Wildewood Dr.

Storm Data and Unusual Weather Phenomena

February 2016

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

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Carroll County 1 NW Keymar

24	1937EST				0	0	0.00K	0.00K	Flood
	2307EST								

The stream gauge on Big Pipe Creek at Bruceville reached a flood stage of 8 feet. The gauge peaked at 9.07 feet at 21:00 EST. Keysville-Bruceville Road began to flood.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

St. Mary's County 1 N Lnrtdwn St Marys Arp

24	1939EST				0	0			Thunderstorm Wind (52EG)
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Multiple trees down at 235 Mervell Dean Rd.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

MDZ014

Anne Arundel

24	2015EST				0	0			
25	0713EST								Coastal Flood

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of Anne Arundel County along the Chesapeake Bay and southern Maryland.

Baltimore County 2 W White Marsh

24	2016EST				0	0	0.00K	0.00K	Flood
	2221EST								

The stream gauge on Whitmarsh Run at White Marsh reached a flood stage of 10 feet. The gauge peaked at 13.93 feet at 21:15 EST. Town Center Court began to flood.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

St. Mary's County 1 N Great Mills

24	2022EST				0	0			Thunderstorm Wind (52EG)
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Multiple trees were reported down.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

St. Mary's County 2 E Budds Creek

24	2027EST				0	0			Thunderstorm Wind (56EG)
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A few trees were reported down in Lexington Park and Leonardtown.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells. Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

Frederick County 2 WNW New London

24	2032EST				0	0	20.00K	0.00K	Flood
25	1300EST								

An SUV was stranded in high water on Gas House Pike from Linganore Creek. The vehicle was slowly being drifted downstream. A water rescue was conducted and the occupant rescued.

Storm Data and Unusual Weather Phenomena

February 2016

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

Harford County

1 NE Vale	24	2033EST					0.00K	0.00K	Flood
	25	0328EST			0	0	0.00K	0.00K	Flood

A water rescue was reported on Grafton Shop Road near Carr Mill.

Harford County

1 E Ady	24	2033EST					0.00K	0.00K	Flood
1 W Scarboro	25	0400EST			0	0	0.00K	0.00K	Flood

A water rescue was reported at Sandy Hook Road and Scarborough Road.

Harford County

1 NNW Vale	24	2038EST					0.00K	0.00K	Flood
		2158EST			0	0	0.00K	0.00K	Flood

The stream gauge on Winters Run at Benson reached a flood stage of 9 feet. The gauge peaked at 10.15 feet. Carrs Mill Road was flooded by Winters Run. Overbank flooding occurred along the creek.

St. Mary's County

1 SSW Park Hall Arpt	24	2118EST					0.00K	0.00K	Flood
	25	0315EST			0	0	0.00K	0.00K	Flood

Route 5 was reported flooded and closed at Willows Road due to creek flooding.

Harford County

1 SSW Singer	24	2133EST					0.00K	0.00K	Flood
	25	0128EST			0	0	0.00K	0.00K	Flood

The stream gauge on Otter Point Creek at Edgewood reached a flood stage of 8 feet. The gauge peaked at 9.67 feet at 00:15 EST. Winters Run Road began to flood near Singer Road.

Howard County

1 ESE Savage	24	2137EST					0.00K	0.00K	Flood
	25	0023EST			0	0	0.00K	0.00K	Flood

The stream gauge on Little Patuxent River at Savage reached a flood stage of 10 feet. The gauge peaked at 10.56 feet at 22:45 EST. Riverside trails began to flood. Water also approached fields off Bald Eagle Drive, and approach Brock Bridge Road.

Howard County

1 W Savage	24	2140EST					0.00K	0.00K	Flood
	25	0331EST			0	0	0.00K	0.00K	Flood

Stephens Road was closed between Gorman Road and Whiskey Bottom Road due to high water. Hammond branch was out of its banks.

Carroll County

2 N Bridgeport	24	2227EST					0.00K	0.00K	Flood
1 SSW Harney	25	0415EST			0	0	0.00K	0.00K	Flood

The stream gauge on Monocacy River at Bridgeport reached a flood stage of 13 feet. The gauge peaked at 13.62 feet. Baptist Road near Bridgeport began to flood.

Harford County

1 SE Darlington	24	2313EST					0.00K	0.00K	Flood
	25	0012EST			0	0	0.00K	0.00K	Flood

The stream gauge on Deer Creek at Darlington reached a flood stage of 10 feet. The gauge peaked at 10.13 feet at 23:30 EST. Water approached Wilsons Mill near Darlington.

Storm Data and Unusual Weather Phenomena

February 2016

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

St. Mary's County Great Mills

24	2336EST								
25	0701EST				0	0	0.00K	0.00K	Flood

The stream gauge on St Marys River at Great Mills reached a flood stage of 6 feet. The gauge peaked at 6.97 feet at 04:15 EST. Flat Iron Road began to flood with water in some yards in Great Mills.

Baltimore County 1 N Oakleigh

24	2353EST								
25	0044EST				0	0	0.00K	0.00K	Flash Flood

The stream gauge on Minebank Run at Glen Arm reached 10.2 feet at 19:10 EST.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

MDZ017

St. Mary's

25	0300EST								
					0	0			Coastal Flood

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of Anne Arundel County along the Chesapeake Bay and southern Maryland.

Prince George's County Upper Marlboro

25	1157EST								
	1841EST				0	0	0.00K	0.00K	Flood

The stream gauge on Western Branch at Upper Marlboro reached a flood stage of 11 feet. The gauge peaked at 11.53 feet at 14:30 EST. The Water Street bridge in Upper Marlboro was completely covered by water.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

MARYLAND, Northeast

MDZ012

Kent

05	0100EST								
	0700EST				0	0			Winter Weather

Precipitation associated with a low pressure system moving north along a nearby offshore front began as light rain during the evening hours on the 4th, then turned to snow from northwest to southeast during the overnight hours. Locations near the shore received more precipitation, and more snow, given their closer proximity to the storm. A heavy, wet snow began accumulating before or near the beginning of the morning rush, and so transportation was effected until the snow was able to turn mush on area roads with increased traffic.

MDZ008

Cecil

09	0900EST								
10	0100EST				0	0			Winter Weather

Immediately in the wake of a much stronger storm system moving northeast away from the area, another weaker low pressure system developed along the mid-Atlantic coast on February 9th. This surface low, in combination with a broad mid-level trough over the northeast quadrant of the country, produced periods of snow beginning in the mid-morning hours on the 9th, ending a few hours after midnight on the 10th. A few light snow showers redeveloped during the late morning hours on the 10th with little or no additional accumulation. Between one-half and 3.5 inches had fallen across the upper eastern shore of Maryland. The highest reported snowfall totals from each county are as follows: 0.4 inches near Greensboro (Caroline County), 3.6 inches in Childs (Cecil County), 1.4 inches in Rock Hall (Kent County), 1.3 inches near Queenstown (Queen Anne's County), and 1.0 inches near Easton (Talbot County).

A prolonged onshore flow also produced minor tidal flooding along the upper eastern shore of Maryland near the times of high tide late Tuesday afternoon February 9th and again early Wednesday morning February 10th.

Storm Data and Unusual Weather Phenomena

February 2016

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

MDZ008-012-015-019-020

Caroline - Cecil - Kent - Queen Anne`s - Talbot

15	0200EST 0100EST				0	0			Winter Weather
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Precipitation from a low pressure system moving north from the Tennessee River Valley began as snow early Monday as it ran into colder air established over the area the previous few days. A strong southerly flow associated with this low brought with it very warm air, which turned the snow over to freezing rain, then plain rain, from south to north Monday night and early Tuesday.

24	1730EST				0	0	2.0K	0.00K	Strong Wind
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Kent County

Rock Hall

1 WSW Morgnec

24	2020EST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Numerous trees and wires down in region.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Queen Anne's County

1 NE Grasonville

24	2020EST				0	0	5.00K	0.00K	Thunderstorm Wind (43EG)
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A tree was blown onto a roof in Grasonville.

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms, heavy rain and flash flooding in northeast Maryland late Wednesday afternoon and evening, February 24th. A strong southerly flow in advance of the cold front pushed water up the Chesapeake Bay, causing minor tidal flooding around the time of high tide during the morning high tide on the 25th. Note: The estimated wind gust of 43 knots is equivalent to 49 mph.

MARYLAND, South

MDZ021>024

Dorchester - Inland Worcester - Somerset - Wicomico

15	0100EST 1300EST				0	0	0.00K	0.00K	Winter Storm
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The combination of Cold High Pressure moving off the Mid Atlantic Coast and Low Pressure tracking from eastern Texas northeast toward the Mid Atlantic Coast produced between three and six inches of snow across the Lower Maryland Eastern Shore.

MARYLAND, West

MDZ001

Garrett

13	0000EST 1000EST				0	0		0.00K	Cold/Wind Chill
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Arctic air and strong winds produced wind chills from 10 to more than 20 degrees below zero the morning of the 13th across eastern Ohio, western Pennsylvania, northern West Virginia, and Garrett county Maryland.

15	2000EST							0.00K	Winter Weather
16	1000EST				0	0			

Low pressure moved north through the Upper Ohio Valley the night of the 15th into the morning of the 17th. A swath of heavy snow fell in a band from Columbiana county in Ohio to Forest county on Pennsylvania, with a general 6 to 12 inches of snow. A lesser band of snow from 2 to 4 inches fell south and west across eastern Ohio from New Philadelphia to Zanesville. Elsewhere freezing rain was dominate across the rest of western Pennsylvania into the ridges of northern West Virginia, and Garrett county Maryland. Significant ice accumulation over one quarter of an inch occurred in Clarion and Jefferson counties in Pennsylvania, with lesser amounts elsewhere.

MASSACHUSETTS, Central and East

MAZ003-012-026

Eastern Franklin - Northern Worcester - Northwest Middlesex County - Southern Worcester

05	0200EST 1430EST				0	0	0.00K	0.00K	Heavy Snow
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Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Property Damage	Crops	Character of Storm
MASSACHUSETTS, Central and East									
MAZ002			Western Franklin						
	05	0300EST 1245EST			0	0	0.00K	0.00K	Winter Weather
MAZ013-016			Eastern Norfolk - Western Norfolk						
	05	0400EST 1700EST			4	0	100.0K	0.00K	Heavy Snow
MAZ008-010			Eastern Hampshire - Western Hampshire						
	05	0400EST 1500EST			0	0	0.00K	0.00K	Winter Weather
MAZ005-011-014>015-017>018			Eastern Hampden - Northern Bristol - Southeast Middlesex - Suffolk - Western Essex - Western Middlesex - Western Plymouth						
	05	0415EST 1730EST			0	0	215.0K	0.00K	Heavy Snow
MAZ007			Eastern Essex						
	05	0600EST 1715EST			0	0	10.0K	0.00K	Winter Weather
MAZ019>022			Barnstable - Eastern Plymouth - Southern Bristol - Southern Plymouth						
	05	0700EST 1900EST			0	0	215.0K	0.00K	Heavy Snow
MAZ023			Dukes						
	05	1120EST 1845EST			0	0	0.00K	0.00K	Winter Weather
<p>Low pressure traveling along a cold front stalled south of southern New England brought heavy rain, which changed over to heavy snow as temperatures dropped. This snow was extraordinarily wet and heavy, bringing down trees and wires across portions of southern New England. Power outages reached a peak of approximately 107,000 customers without power in Massachusetts during the peak of the storm, mainly across eastern Massachusetts.</p>									
MAZ024			Nantucket						
	08	0300EST 2315EST			0	0	0.00K	0.00K	Blizzard
MAZ016			Eastern Norfolk						
	08	0410EST			0	0	0.00K	0.00K	High Wind
MAZ019-022-023			Barnstable - Dukes - Eastern Plymouth						
	08 09	0415EST 0200EST			0	0	10.0K	0.00K	Blizzard
MAZ016-018-021			Eastern Norfolk - Southern Plymouth - Western Plymouth						
	08 09	0645EST 0700EST			0	0	1.0K	0.00K	Heavy Snow

Storm Data and Unusual Weather Phenomena

February 2016

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

MAZ013-017	Northern Bristol - Western Norfolk								
	08	0700EST							
	09	0000EST			0	0	5.0K	0.00K	Winter Weather
MAZ015-020	Southern Bristol - Suffolk								
	08	0800EST							
	09	2300EST			0	0	0.00K	0.00K	Heavy Snow
MAZ007	Eastern Essex								
	08	0900EST							
	09	0200EST			0	0	0.00K	0.00K	Winter Weather
MAZ019-023	Dukes - Eastern Plymouth								
	08	0916EST							
		1130EST			0	0	0.00K	0.00K	Coastal Flood
MAZ005-014-026	Northwest Middlesex County - Southeast Middlesex - Western Middlesex								
	08	0930EST							
	09	0100EST			0	0	0.00K	0.00K	Winter Weather
MAZ015	Suffolk								
	08	1000EST							
		1030EST			0	0	0.00K	0.00K	Coastal Flood
MAZ006-012	Southern Worcester - Western Essex								
	08	1000EST							
	09	0200EST			0	0	5.0K	0.00K	Winter Weather
MAZ016-024	Eastern Norfolk - Nantucket								
	08	1010EST							
		1216EST			0	0	0.00K	0.00K	Coastal Flood
MAZ011	Eastern Hampden								
	08	1030EST							
	09	0000EST			0	0	0.00K	0.00K	Winter Weather
MAZ007	Eastern Essex								
	08	1100EST							
		1130EST			0	0	0.00K	0.00K	Coastal Flood
MAZ004-008-010	Eastern Hampshire - Northern Worcester - Western Hampshire								
	08	1100EST							
	09	0000EST			0	0	0.00K	0.00K	Winter Weather
MAZ009	Western Hampden								
	08	1130EST							
	09	0015EST			0	0	0.00K	0.00K	Heavy Snow

Storm Data and Unusual Weather Phenomena

February 2016

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

MAZ002-003

Eastern Franklin - Western Franklin

08	1130EST								
09	0100EST				0	0	0.00K	0.00K	Winter Weather

A very powerful low pressure system tracked up the east coast, passing southeast of Southern New England. This storm brought heavy snow and gusty winds, resulting in blizzard conditions along the Massachusetts east coast.

MAZ003-006>007-009-011>012-016

Eastern Essex - Eastern Franklin - Eastern Hampden - Eastern Norfolk - Northern Worcester - Southern Worcester - Western Essex - Western Hampden

13	1800EST								
14	0900EST				0	0	0.00K	0.00K	Extreme Cold/Wind Chill

MAZ005-013-015-017-019-022>023

Barnstable - Dukes - Eastern Plymouth - Northern Bristol - Southern Bristol - Suffolk - Western Middlesex - Western Norfolk

14	0000EST								
	0800EST				0	0	0.00K	0.00K	Extreme Cold/Wind Chill

Arctic high pressure brought strong northwest winds and extremely cold wind chills to southern New England. Many locations reported wind chills between 25 and 35 degrees below zero.

MAZ007-016-020

Eastern Essex - Eastern Norfolk - Southern Bristol

16	1556EST								
	1800EST				0	0	45.0K	0.00K	High Wind

Low pressure strengthened rapidly as it tracked from the Gulf Coast to upstate New York and Quebec. Strong southerly winds gusted over 60 mph in parts of eastern Massachusetts, especially near the coast, which resulted in downed trees and power lines. As many as 7,000 customers lost power.

MAZ020-021

Southern Bristol - Southern Plymouth

24	2246EST								
25	0130EST				0	0	30.0K	0.00K	High Wind

Worcester County 1 S Rutland

24	2325EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees on Glenwood and Wachusett Streets in Rutland were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

MAZ004

Northern Worcester

24	2340EST				0	0	10.0K	0.00K	High Wind
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Hampden County 1 SW East Springfield

24	2345EST				0	0	1.00K	0.00K	Thunderstorm Wind (40EG)
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A tree limb on Orlando Street in Springfield was downed onto wires by thunderstorm winds.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Worcester County 1 SW Athol

24	2348EST				0	0	20.00K	0.00K	Thunderstorm Wind (45EG)
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A tree was downed onto a car at the intersection of Partridgeville and Coolidge Roads in Athol.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

MAZ013

Western Norfolk

25	0000EST								
	0236EST				0	0	50.0K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

Hampden County

1 SW East Springfield	25	0003EST			0	0	0.00K	0.00K	Thunderstorm Wind (50MG)
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Local broadcast media reported that an anemometer at Springfield Central High School recorded a wind gust of 58 mph, associated with a thunderstorm. No damage was reported.

Note: The measured wind gust of 50 knots is equivalent to 58 mph.

Hampden County

Agawam	25	0005EST			0	0	5.00K	0.00K	Thunderstorm Wind (45EG)
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A tree was downed in Agawam, blocking a road.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

Worcester County

1 W Worcester	25	0010EST			0	0	75.00K	0.00K	Thunderstorm Wind (50EG)
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Traffic light poles on Lincoln Street and Westland Street, trees on Pinecrest Drive, Sunny Hill Drive, and Hudson Street, a light pole on Millbrook Street, and numerous large tree branches on Russell Street, Crestland Circle, Paine Street, Sarrar Avenue, and Rexham Road were all downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 E Monson	25	0015EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Trees on Stafford Road, Upper Palmer Road, Peck Brothers Road, and Cedar Swamp Road were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

MAZ010

Eastern Hampshire

	25	0038EST			0	0	5.0K	0.00K	High Wind
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Hampden County

Hampden 1 E Monson	25	0040EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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In Hampden, a large tree branch and wires were downed on Somers Road, between Isaac Bradway Road and Martin Farms Road. Trees were downed near Upper Palmer Road and State Avenue, Peck Brothers Road, and Cedar Swamp Road in Monson.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

2 W West Springfield	25	0043EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Trees on Adrian Avenue, Craiwell Avenue, Upper Beverly Street, and Sibley Avenue in West Springfield were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 NNW Westfield	25	0054EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A large tree in the cemetery near Westfield State University was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

Ludlow	25	0059EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees in Ludlow were downed by thunderstorm winds. A tree limb was downed onto a house on Holyoke Street.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 NE Chester 2 SSW Littleville	25	0100EST			0	0	50.00K	0.00K	Flood
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Portions of Abbott Hill Road were washed away. One mile north of Old Chester Road, a portion of Skyline Trail was washed out.

Essex County

1 SW Prides Crossing	25	0101EST			0	0	5.00K	0.00K	Thunderstorm Wind (45EG)
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A tree was downed on Route 128 near exit 17 in Beverly, blocking the breakdown lane.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Hampden County

1 NNW Westfield

25	0104EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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A large limb on East Mountain Road in Westfield was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 E Monson

25	0109EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree on Cote Road in Monson was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 SE Palmer

25	0110EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree in Palmer was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

1 SW North Wilbraham

25	0110EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees on Lee Lane in Wilbraham were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampden County

Hampden

25	0110EST				0	0	6.00K	0.00K	Thunderstorm Wind (50EG)
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A tree on Somers Road in Hampden was downed by thunderstorm winds. A large limb on Mill Street was downed.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hampshire County

1 SW Ware

25	0116EST				0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
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An amateur radio operator recorded a wind gust of 65 mph on their home weather station in Ware. No damage was reported.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

MAZ019

Eastern Plymouth

25	0126EST				0	0	55.0K	0.00K	High Wind
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MAZ007

Eastern Essex

25	0126EST				0	0	5.0K	0.00K	Strong Wind
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Hampden County

East Longmeadow

25	0130EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Elm Street and Maple Shade Avenue in East Longmeadow were closed due to downed trees and wires.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

MAZ005-014-017-018

Northern Bristol - Southeast Middlesex - Western Middlesex - Western Plymouth

25	0133EST				0	0	55.0K	0.00K	High Wind
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Worcester County

3 NW Spencer

25	0140EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A two foot diameter tree and wires on Wilson Road in Spencer were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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
MASSACHUSETTS, Central and East									
Worcester County									
1 W Worcester	25	0140EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
	Multiple trees and wires were downed throughout Worcester. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Hampden County									
1 E Monson	25	0148EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A tree on Stafford Road in Monson was downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Hampden County									
1 E Monson	25	0148EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
	A tree and a utility pole on Bethany Road in Monson were downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Worcester County									
New Braintree	25	0150EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A tree near the Massachusetts State Police Academy on West Brookfield Road in New Braintree was downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Hampden County									
1 WSW Palmer	25	0151EST 0300EST			0	0	0.00K	0.00K	Flood
	The underpass at Route 181 and Route 20 was flooded with 12 inches of water.								
Worcester County									
Brookfield	25	0155EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A tree on Route 148 near White's Landing was downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Worcester County									
1 W Barre	25	0215EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
	Trees on South Barre Road in Barre were downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Worcester County									
Hubbardston	25	0215EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A tree on New Templeton Road in Hubbardston was downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Worcester County									
Ashburnham	25	0215EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A tree and wires on Cashman Hill Road in Ashburnham were downed by thunderstorm winds. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Norfolk County									
Plainville	25	0226EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
	Several trees and wires were downed by thunderstorm winds, blocking roads. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Norfolk County									
1 NE Walpole	25	0231EST			0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
	A large tree and wires were downed onto a house in Walpole. Note: The estimated wind gust of 40 knots is equivalent to 46 mph.								
Bristol County									
Attleboro	25	0234EST			0	0	5.00K	0.00K	Thunderstorm Wind (45EG)
	A tree and wires on Chartley Brook Lane were downed by thunderstorm winds. Note: The estimated wind gust of 45 knots is equivalent to 52 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

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

Suffolk County

Boston

25	0235EST				0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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An amateur radio operator recorded a 69 mph wind gust on their home weather station in Boston. No damage was reported.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Middlesex County

1 SSE West Chelmsford

25	0236EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Two large trees on Warren Avenue in Chelmsford were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bristol County

North Attleboro

Attleboro

25	0237EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple wires were downed throughout North Attleboro. A tree and wires on Wilmarth Street in Attleboro were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

Westwood

25	0238EST				0	0	2.00K	0.00K	Thunderstorm Wind (40EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A lamp post in Westwood was downed by thunderstorm winds.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Middlesex County

Sherborn

25	0239EST				0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Trees and wires were downed throughout Sherborn.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

1 W Sharon

25	0242EST				0	0	2.00K	0.00K	Thunderstorm Wind (45EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A large branch and wires in Sharon were downed by thunderstorm winds.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

MAZ016

Eastern Norfolk

25	0244EST				0	0	0.00K	0.00K	High Wind
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Bristol County

Easton Center

25	0244EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees were downed along Bay Road in Easton, blocking the road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Hopkinton

25	0246EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A tree and branches in Hopkinton were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Concord

25	0247EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds shattered a storm window at a house in Concord.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

Norfolk

25	0250EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Trees and wires throughout Norfolk were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Sherborn

25	0259EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A large tree was downed in Sherborn.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Suffolk County

Boston

25	0300EST				0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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An amateur radio operator recorded a wind gust of 63 mph on their home weather station in Boston. No damage was reported.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Bristol County

Easton Center

25	0301EST				0	0	5.00K	0.00K	Thunderstorm Wind (45EG)
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A tree at the intersection of Cranberry and Dean Streets in Easton was downed by thunderstorm winds.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

Norfolk County

1 NE Walpole

25	0303EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires in Walpole were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Concord

25	0304EST				0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
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Trees, wires, and poles were downed throughout Concord, closing several roads, including: Elm Street, Crescent Street, MacArthur Road, and Ornac Road near Route 2.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Sherborn

25	0306EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree between Morse Road and Eliot Street in Sherborn was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bristol County

Norton

25	0307EST				0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
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A large tree was downed onto wires in Norton.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Middlesex County

Sherborn

25	0318EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Three trees on Hunting Lane and North Main Street were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Concord

25	0319EST				0	0	60.00K	0.00K	Thunderstorm Wind (50EG)
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Elm Street was blocked by downed utility poles in three spots. Sudbury Road also was blocked by downed trees and wires.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

South Braintree

25	0320EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree on Russell Road in Braintree was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

1 S Foxborough

25	0324EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Wires on Chestnut Street in Foxboro were downed.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

Billerica

25	0325EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and a large branch on Baldwin Road in Billerica were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County

1 E Oak Grove

25	0325EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Numerous tree limbs were downed throughout Melrose.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MASSACHUSETTS, Central and East									
Norfolk County									
Braintree	25	0325EST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
An amateur radio operator recorded a wind gust of 64 mph on their home weather station in Braintree. No damage was reported.									
Note: The estimated wind gust of 56 knots is equivalent to 64 mph.									
Middlesex County									
Concord	25	0327EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
A utility pole and wires were downed, blocking Musketaquid Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Middlesex County									
Billerica	25	0330EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree on B Street in Billerica was downed by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Middlesex County									
Natick	25	0330EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
Route 9 was closed in both directions near the Natick Mall due to power lines downed by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Norfolk County									
Westwood	25	0342EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
Wires on Grove Street in Westwood were downed by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Plymouth County									
1 NNE North Duxbury	25	0345EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree was downed onto a house in Marshfield.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Essex County									
Merrimac	25	0346EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
Multiple trees on Harrimen and Hadley Roads in Merrimac were downed by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Norfolk County									
Wrentham	25	0352EST			0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
A tree in Wrentham was downed by thunderstorm winds, blocking the road.									
Note: The estimated wind gust of 40 knots is equivalent to 46 mph.									
Norfolk County									
Plainville	25	0352EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
Two trees in Plainville were downed by thunderstorm winds, including one on Maple Street.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Essex County									
1 W Lynn	25	0355EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
A large branch was downed onto wires on Pond Street in Lynn.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Plymouth County									
Middleboro	25	0355EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree on Rocky Meadow Street in Middleborough was downed by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Bristol County									
Norton	25	0358EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree on Dean and Hodges Streets was downed onto wires by thunderstorm winds.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Bristol County

East Taunton

25 0400EST 0 0 20.00K 0.00K Thunderstorm Wind (50EG)
 Numerous trees near Middleboro Avenue and Hart Street in East Taunton were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bristol County

Norton

25 0400EST 0 0 1.00K 0.00K Thunderstorm Wind (50EG)
 A large branch on Oak Street in Norton was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Norfolk County

1 NE Walpole

25 0406EST 0 0 10.00K 0.00K Thunderstorm Wind (45EG)
 A large tree on North Street was downed onto power lines and a house by thunderstorm winds.

Note: The estimated wind gust of 45 knots is equivalent to 52 mph.

Norfolk County

Canton

25 0411EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 Wires in Canton were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Plymouth County

Rochester

25 0415EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 Wires on Mary's Pond Road in Rochester were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Suffolk County

South Boston

25 0415EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 Wires on West Fifth Street in South Boston were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Suffolk County

Dorchester

25 0415EST 0 0 10.00K 0.00K Thunderstorm Wind (50EG)
 A tree was downed onto a house in Dorchester by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Suffolk County

Forest Hills

25 0415EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 A tree in Jamaica Plain was downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Plymouth County

1 NE Middleboro

25 0418EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 Wires in Middleborough were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Plymouth County

1 NW Bryantville

25 0433EST 0 0 15.00K 0.00K Thunderstorm Wind (50EG)
 Trees and wires in Hanson were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Plymouth County

Halifax

25 0438EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
 A large tree and wires in Halifax were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Plymouth County

Duxbury

25 0439EST 0 0 10.00K 0.00K Thunderstorm Wind (50EG)
 A tree was downed onto a house. Wires were downed onto a school bus on Evergreen Street in Duxbury.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Bristol County

Westport

25	0500EST				0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
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A tree in Westport was downed by thunderstorm winds, blocking a road.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Hampshire County

Bay State

25	0537EST 0630EST				0	0	0.00K	0.00K	Flood
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Mill River overflowed its banks, resulting in flooding on Meadow Street in Leeds.

Low pressure tracked north through New York bringing a warm front through southern New England. Unseasonably deep moisture accompanied this front. This was a very complicated weather situation as a strong low level inversion was in place over the area with a very strong low level jet just above the inversion. As showers and thunderstorms developed, the storms and heavy rain allowed the stronger winds to mix down to the surface. In other areas, temperatures warmed enough at the surface to break the inversion and allow the stronger winds to mix down. This resulted in a complicated combination of severe thunderstorm winds and high winds. To add to the historical nature of this event, it occurred in February all during the overnight hours.

MASSACHUSETTS, West

MAZ001-025

Northern Berkshire - Southern Berkshire

08	1200EST								
09	0000EST				0	0			Winter Weather

A powerful area of low pressure was located well off the eastern seaboard on the morning of Monday, February 8th. As this storm lifted northeast, the steadiest and heaviest snowfall from this system impacted much of eastern New England. However, some of the snowfall extended back into parts of western New England for the afternoon and evening hours. Three to 7 inches of snow occurred across Berkshire County, before snowfall tapered off by the late evening hours. The heaviest amounts fell across the higher elevations of the Berkshires in eastern parts of the county.

13	1300EST				0	0			Extreme Cold/Wind Chill
14									

MAZ025

Southern Berkshire

13	1300EST				0	0			Extreme Cold/Wind Chill
14									

Behind an Arctic cold front, very cold temperatures poured into the region upon brisk northwesterly winds. Temperatures dropped through the day on Saturday, February 13th, reaching lows of 10 to 25 degrees below zero across western Massachusetts on Saturday night. Along with winds gusting 20 to 40 MPH, wind chill values reached 25 to 45 degrees below zero for Saturday night into Sunday morning.

With temperatures warming up and winds diminishing, the threat for dangerously cold temperatures and low wind chills ended on the afternoon hours of Sunday, February 14th.

Berkshire County

Blackinton

25	0028EST				0	0			Thunderstorm Wind (50EG)
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A tree was downed on a house at the intersection of Frenier Avenue and Mohawk Trail (Route 2) due to thunderstorm wind gusts. The roof of the home was damaged due to the downed tree. In addition, a fence was damaged at a home along Hamel Avenue due to thunderstorm wind gusts as well. Also, a tree was downed on Harwood Avenue due to thunderstorm winds as well.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Berkshire County

Blackinton

25	0029EST 0030EST				0	0			Thunderstorm Wind (50EG)
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A fence was damaged due to thunderstorm wind gusts along Galvin Road in Williamstown and pieces of it were thrown through the 2nd floor window of a home. In addition, several trees were damaged along Galvin Road and some of them fell on homes, damaging the roofs.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Berkshire County

Blackinton

25	0030EST				0	0			Thunderstorm Wind (50EG)
	0031EST								

A house was damaged due to thunderstorm winds along Massachusetts Avenue in Williamstown. In addition, some tree tops were snapped along and just north of Massachusetts Avenue as well.

A strong area of low pressure was located over the Ohio Valley on Wednesday, February 24th and the storm headed northeast towards the region. A warm front extended out of this storm, allowing for periods of rainfall during the day Wednesday, February 24th and into the evening hours. As the warm front passed through the region during the overnight hours, temperatures became quite mild for late February reaching into the 50s and 60s, despite it being in the middle of the night. In addition, thunderstorms ahead of the storm's cold front moved from the mid-Atlantic states up towards western Massachusetts. The thunderstorms produced a period of very heavy rainfall during the late evening and into the overnight hours. Rainfall fell at rates exceeding one inch per hour at times. This rainfall, combined with a frozen ground in places and some snow melt in mountainous areas, allowed for widespread flooding of urban, poor drainage and low lying areas.

In addition, the narrow line of thunderstorms became severe over the northern Berkshires, producing damaging wind gusts. The strongest gusts occurred in the Williamstown area, downing several trees and damaging some homes.

The passage of the storm's cold front during the early morning hours of Thursday, February 25th ended the threat for severe thunderstorms and heavy rainfall. Some additional rainfall during the day on Thursday, February 25th allowed the receding of water of flooded areas to be slow to occur. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

MICHIGAN, East

MIZ049-054-063

Huron - Sanilac - St. Clair - Tuscola

09	0100EST				0	0	0.00K	0.00K	Heavy Snow
	1900EST								

A low pressure system moved across the northern Great Lakes on Monday, February 8th. This low stalled over southern Lake Huron during the early morning hours of February 9, strengthening as it did so. Snow showers with embedded heavier squalls tracked southward through Southeast Michigan overnight with mainly 1 to 4 inches by 7 am. The low continued to only slowly drift eastward, resulting in a long period of snowfall throughout the day. The Thumb was the hardest-hit by this activity, with 8 to 12 inches widespread across the region. The heaviest amounts occurred in Huron county and in a band over northwest Tuscola and western Sanilac Counties. Here are some of the higher snowfall reports received:
Deford... 14 inches. Port Hope... 12 inches. Peck... 12 inches. Yale... 8 inches.

MIZ060-068>070-075>076

Livingston - Macomb - Oakland - Shiawassee - Washtenaw - Wayne

19	1400EST				0	0	30.5M	0.00K	High Wind
20	0000EST								

Strong southwest winds of 50 to 60 mph brought down trees...tree limbs...and power lines...mainly along the M-59 corridor and I-94 corridors of Southeast Michigan. DTE reported 117,000 customers were affected during the peak early Friday evening, with 75,000 customers remaining without power into Saturday the next day. Here are some of the higher wind gusts reported at airports across the area on Friday February 19th: Ypsilanti... 58 mph at 1022 PM. Detroit Metro... 55 mph at 744 PM. Owosso... 55 mph at 835 PM. Saginaw (MBS)... 54 mph at 536 PM. Pontiac... 54 mph at 742 PM. Ann Arbor... 54 mph at 719 PM. Flint Bishop... 53 mph at 634 PM. Howell... 53 mph at 734 PM. Detroit City... 52 mph at 541 PM.

MIZ048-053>055-060>063-068>070-075>076-082

Bay - Genesee - Huron - Lapeer - Lenawee - Livingston - Macomb - Oakland - Saginaw - Sanilac - Shiawassee - St. Clair - Tuscola - Washtenaw - Wayne

24	0800EST				0	0	0.00K	0.00K	Heavy Snow
	2200EST								

Storm Data and Unusual Weather Phenomena

February 2016

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

A strong low pressure system with copious moisture moved northeastward from the Southern Plains to Lake Erie on February 24. Precipitation broke out across Southeast Michigan during the early morning hours of the 24th, spreading from south to north during the morning hours. Temperatures were marginal for snow, but it was cold enough for mainly snow north and west of the glacial ridge. To the south and east, including the city of Detroit, much of the precipitation fell as rain or a wintry mix, drastically reducing snowfall totals there. The snowfall was heavy at times during the afternoon and evening hours north of a line from roughly Ann Arbor to Port Huron, with 1 inch per hour rates common. The snowfall tapered off for a time overnight as the main precip shield was shunted to the west, but lingering moisture and forcing moved across Southeast Michigan once more during the morning hours of the 25th, adding a few more inches to storm totals.

All told, the heaviest amounts from 12 to 14 inches occurred in a stripe across Lapeer County, southern portions of Shiawassee and Genesee Counties, and northern portions of Oakland and Livingston Counties. At least 8 was common north and west of the glacial ridge. Lesser amounts of 2 to 4 inches occurred over the city of Detroit, with a tight gradient in snowfall in between. Here are some of the higher reports received:

Burton...	14.0 inches.	Lyndon Township...	13.0 inches.	Hartland...	13.0 inches.	Perry...	12.8
inches. Lake Orion...	12.4 inches.	Kingston...	12.0 inches.	Sanford....	11.0 inches.	Plymouth...	9.0 inches.

MICHIGAN, Extreme Southwest

MIZ078>081

Branch - Cass - Hillsdale - St. Joseph

24	0900EST		0	0	0.00K	0.00K	Winter Storm
25							

A deepening low pressure system tracking northeast into the eastern Great Lakes brought heavy snow and strong winds to lower Michigan February 24th into early February 25th. Snowfall totals generally ranged between 6 and 10 inches.

MICHIGAN, North

MIZ024

Alpena

02	1300EST						
03	0030EST		0	0	0.00K	0.00K	Winter Storm

Strong low pressure moved northeast from the central plains, crossing northern lower Michigan early on the 3rd. Snow developed ahead of system, and was briefly heavy at times before switching to rain, drizzle, and freezing drizzle over many areas. In addition, east winds of 20 to 30 mph produced considerable blowing and drifting snow. The heaviest snow fell in Alpena County, where 6 to 8 inches of snowfall was common.

MIZ031

Manistee

09	1300EST						
10	1400EST		0	0	0.00K	0.00K	Lake-Effect Snow

Slow-moving low pressure would intensify as it crossed the southern and eastern Great Lakes. Over several days, colder air wrapped back into the region on gusty northwest to north winds as the system departed. Conditions became favorable for fluffy, locally heavy lake effect snow. The heaviest snow fell in Manistee County, with 8 to 10 inch totals in Onkama and Kaleva.

**MIZ018-023-028>
030-035>036-041**

Alcona - Alpena - Crawford - Gladwin - Iosco - Montmorency - Ogemaw - Oscoda - Presque Isle

24	1700EST						
25	0900EST		0	0	0.00K	0.00K	Winter Storm

Strong low pressure would move from the lower Mississippi Valley into the eastern Great Lakes. Heavy snow fell to the west of the storm track, impacting northeast lower Michigan. Six to twelve inch snowfall amounts were common east of I-75, with the highest amounts near the communities of Presque Isle and Cathro. Shifty, gusting winds accompanied the storm, resulting the near-blizzard conditions at times along the Lake Huron coastline.

Storm Data and Unusual Weather Phenomena

February 2016

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

MIZ009

Gogebic

02	1400CST								
03	0800CST				0	0	0.00K	0.00K	Winter Storm

MIZ010-012

Iron - Menominee

02	1400CST								
03	0900CST				0	0	0.00K	0.00K	Winter Weather

MIZ002-004-084

Baraga - Marquette - Ontonagon - Southern Houghton

02	1600EST								
03	0800EST				0	0	0.00K	0.00K	Winter Storm

MIZ006-013

Alger - Delta

02	1600EST								
03	0800EST				0	0	0.00K	0.00K	Winter Weather

MIZ001-003

Keweenaw - Northern Houghton

02	1700EST								
03	1300EST				0	0	0.00K	0.00K	Winter Storm

MIZ014-085

Northern Schoolcraft - Southern Schoolcraft

02	1700EST								
03	1000EST				0	0	0.00K	0.00K	Winter Weather

A low pressure system developing over the Southern Plains tracked into the Central Great Lakes and dropped moderate to heavy snow over portions of west and central Upper Michigan from the 2nd into the 3rd.

MIZ002-009

Gogebic - Ontonagon

07	1800CST								
08	1500CST				0	0	0.00K	0.00K	Winter Weather
08	0600CST				0	0	0.00K	0.00K	Lake-Effect Snow
09									

MIZ002-003

Northern Houghton - Ontonagon

08	0800EST								
09	1600EST				0	0	0.00K	0.00K	Winter Weather

MIZ009

Gogebic

09	0700CST								
10					0	0	0.00K	0.00K	Winter Weather

MIZ005

Marquette

09	0730EST								
10	1130EST				0	0	0.00K	0.00K	Lake-Effect Snow

MIZ006

Alger

09	0800EST								
10					0	0	0.00K	0.00K	Winter Weather

North winds in the wake of a low pressure system passing through the Upper Great Lakes generated moderate to heavy lake enhanced snow over portions of west and north central Upper Michigan from the 7th into the 11th.

Storm Data and Unusual Weather Phenomena

February 2016

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

MIZ003

Northern Houghton

12	0000EST								
13	0900EST			0	0	0.00K	0.00K	Winter Weather	

MIZ005-006

Alger - Marquette

12	0100EST								
13	0430EST			0	0	0.00K	0.00K	Lake-Effect Snow	

MIZ007

Luce

12	0900EST								
13				0	0	0.00K	0.00K	Winter Weather	

An Arctic front moving through the region produced moderate to heavy lake effect snow and blowing snow over portions of Upper Michigan from the 12th into the 13th. North winds gusting near 40 mph at times also caused near blizzard conditions in lake effect snow and blowing snow and closed Highway M-28 from near Harvey in Marquette County to Munising in Alger County.

MIZ005

Marquette

16	2100EST								
17	0100EST			0	0	0.00K	0.00K	Winter Weather	

The passage of a cold front produced a brief bout of moderate lake effect snow over portions of Marquette County from late evening on the 16th into the early morning of the 17th.

MIZ001-003-005

Keweenaw - Marquette - Northern Houghton

18	2100EST								
19	0300EST			0	0	0.00K	0.00K	Winter Weather	

MIZ007

Luce

19	0000EST								
	0500EST			0	0	0.00K	0.00K	Winter Weather	

A strong southeast flow ahead of a low pressure system approaching from Minnesota generated a wintry mix of precipitation over portions of west and north central Upper Michigan from late evening on the 18th into the morning of the 19th.

MIZ001>007

Alger - Baraga - Keweenaw - Luce - Marquette - Northern Houghton - Ontonagon

28	0700EST								
29	1600EST			0	0	0.00K	0.00K	Winter Weather	

A low pressure system tracking east along a stalled cold front in Wisconsin produced light to moderate snow over portions of west and central Upper Michigan on the 28th. A strong cold front moving through the area early on the 29th produced near blizzard conditions along and right behind the frontal passage. Highway M-28 was closed between Harvey and Munising for a time on the 29th due to localized blizzard conditions.

MICHIGAN, West

MIZ056-064-071-072

Allegan - Kalamazoo - Ottawa - Van Buren

09	2000EST								
11	0700EST			0	0	0.00K	0.00K	Winter Storm	

Northwest winds and cold air pouring across Lake Michigan result in bands of heavy lake effect snow. Hardest hit was western Allegan county, where an observer in Fennville reported that nearly a foot and a half of snow fell. Ten inches of snow was reported at Western Michigan University in Kalamazoo. The combination of heavy lake effect snow and strong winds at times resulted in very hazardous travel conditions.

Storm Data and Unusual Weather Phenomena

February 2016

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

**MIZ045-051-057>
058-064>067-071>
074**

Allegan - Barry - Calhoun - Eaton - Gratiot - Ingham - Ionia - Jackson - Kalamazoo - Kent - Mecosta - Montcalm - Van Buren

24	1000EST								
25	1200EST			0	0	175.0K	0.00K	Winter Storm	

A major winter storm moved into Lower Michigan on February 24 producing heavy wet snow. This snow continued into the morning hours of February 25 before ending. Total accumulations for many locations ranged from 6 to 14. This caused some strain on trees with the wet snow weighing down branches, causing some scattered power outages across the region. Also, many schools and even state government offices were closed during this storm. Interstates were in better shape compared to some state highways and other secondary roads, which in many cases were snow packed and treacherous.

MINNESOTA, Central and South Central

**MNZ053-059>063-
065>070-073>078-
082>085-091>093**

Anoka - Blue Earth - Brown - Carver - Chisago - Dakota - Faribault - Freeborn - Goodhue - Hennepin - Le Sueur - Martin - McLeod - Nicollet - Ramsey - Redwood - Renville - Rice - Scott - Sibley - Steele - Waseca - Washington - Watonwan - Wright

02	0800CST								
03	0500CST			0	0	0.00K	0.00K	Winter Storm	

A major winter storm affected the Upper Midwest with snowfall amounts in excess of one foot around the Twin Cities Metropolitan Area that fell during the afternoon and evening of Tuesday, February 2nd.

This storm system began to organize in the central Rockies Monday, February, 1st with heavy snowfall along the lee of the Rockies, and out into the Central Plains by Monday afternoon. This area of snow continued to move east-northeast across the plains, and into the Upper Midwest by Tuesday morning, February 2nd. Snow started to fall heavily along the Iowa, Minnesota border Tuesday morning before 9 AM CST, and then moved northward, and affected the southern half of the Twin Cities Metropolitan Area by noon.

Snowfall rates increased to over one inch per hour as a heavy snow band moved northward across southern Minnesota. Observed snowfall amounts of 3-6 inches fell near Albert Lea, Fairmont, and Mankato before 2 PM CST with this heavy snowfall band. This heavier snow band started to set up across the Twin Cities Metropolitan Area area by the early afternoon. Plus, this snow band held nearly steady for 3 hours or more from north of Mankato, to the southern part of the Twin Cities Metropolitan Area, northeast into portions of west central Wisconsin. This band eventually moved far enough to the northwest to produced several inches of snow from near Hutchinson, northeast to Buffalo, then east to southern Anoka County, and far southern Chisago County.

Due to a more northwest shift of this system as it moved out into the plains, and Upper Midwest, drier air was able to move into far south central Minnesota, which kept snowfall totals in this area lower than expected. This area also received some freezing drizzle and sleet as warmer air aloft managed to move further to the north.

As this system moved from southwest Iowa Tuesday evening, to southern Wisconsin by Wednesday morning, February 3rd, snowfall began to taper off after midnight. Lingering light snow slowly moved out of eastern Minnesota by late Wednesday morning.

There were major impacts with this storm including numerous county roads and highways in southwest and south central Minnesota closed. This is based on the Minnesota Department of Transportation web site which indicated areas south and west of the Twin Cities had snow covered roads, travel not recommended or closed. This including I-90 west of Albert Lea by 2 PM CST Tuesday due to car accidents and whiteout conditions. Road closures were confined to areas south and west of Mankato to Owatonna, and Albert Lea.

Other impacts included the Minneapolis-St. Paul International Airport, which had 175 flights canceled or delayed by as much as five hours. With high winds and low visibility, flight cancellations and delays escalated through the afternoon and into the evening. In addition, the airport, which normally operates three of its four runways, was down to two during the storm, and sometimes down to one, as plow drivers worked to keep up with the snow.

Total snowfall across the area by Wednesday morning ranged from...

10 to 13 inches across Carver, Hennepin, Scott, Dakota, Washington and Ramsey Counties of the Twin Cities Metropolitan Area, to 6 to 10 inches from Fairmont, north to Mankato, Gaylord, Glencoe, Buffalo, northeast to Anoka and Wyoming. Outside of this area, snowfall amounts decreased rapidly to 1-4 inches, with some areas only receiving a trace or less in portions of west central and central Minnesota.

Storm Data and Unusual Weather Phenomena

February 2016

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

MNZ041-047-055-057	Douglas - Kandiyohi - Pope - Stevens - Swift								
	07	1430CST							
	08	1200CST			0	0	0.00K	0.00K	Winter Storm
MNZ065-073	Redwood - Renville								
	07	1800CST							
	08	1700CST			0	0	0.00K	0.00K	Blizzard
MNZ054-056-066	Chippewa - Lac Qui Parle - McLeod								
	07	1800CST							
	08	0300CST			0	0	0.00K	0.00K	Winter Storm
MNZ067-074>076-083>084-092	Blue Earth - Brown - Faribault - Le Sueur - Nicollet - Sibley - Waseca								
	07	1900CST							
	08	1200CST			0	0	0.00K	0.00K	Blizzard
MNZ091-093	Freeborn - Martin								
	08	0000CST							
		0900CST			0	0	0.00K	0.00K	Blizzard

A strong arctic cold front moved southward across the Upper Midwest during the afternoon and evening of Sunday, February 7th.

A recent winter storm produced 2 to 4 inches of snow in west central Minnesota, with amounts of 6 to 10 inches farther to the southeast across southwest and south central Minnesota. Preceding the front on Sunday, temperatures rose into the lower 40s across most of west central, with 30s in southwest and south central Minnesota. Those temperatures, combined with milder temperatures a few days before that preceding front, melted a significant portion of the snow cover in west central Minnesota, with southwest and south central Minnesota losing some snow cover. These conditions produced a crust, or a layer of ice where the snow melted, therefore limiting blowing snow during the onset.

The initial blizzard warning was delayed a few hours due to stronger winds not developing until the evening, and lack of additional snowfall leading up to the frontal passage.

The combination of strong cold air advection and a tightening pressure gradient, caused wind speeds to increase significantly Sunday evening. Several airport observations and supplemental observations from county sheriff officials, observed deteriorating conditions after midnight, with whiteout conditions reported in several counties by 3 AM CST, Monday morning.

Light snow also accompanied the arctic front, but snowfall amounts were generally one inch or less, and mainly from Redwood Falls, southeast toward Fairmont. Farther to the northwest in west central Minnesota, snowfall amounts were less than one half inch, plus most of this area had little or no snow cover, therefore, whiteout conditions were more isolated and didn't last as long. Farther to the east toward Mankato and Albert Lea, snowfall amounts were again lighter and less than one half inch, but snow cover in this area was deeper than in west central Minnesota, and had less melting prior to the arctic front arrival.

By Monday morning, wind speeds had averaged 30 to 40 mph, with frequent gusts of 40 to 50 mph along the Buffalo Ridge, east to the Minnesota River Valley, and south to the Iowa border. The Minnesota Department of Transportation closed several roads, including I-90 west of Fairmont for several hours Monday morning due to whiteout conditions and numerous accidents causing roads to be blocked. In addition, several web cams across this region showed these widespread whiteout conditions. The blizzard warning was also extended through the afternoon for Redwood, Brown, Watonwan and Martin Counties due to continued strong winds, whiteout conditions, and closed county roads and highways.

The following are the highest wind gusts across the region.

St. James Airport, 52 mph. Morris Airport, 52 mph. Appleton Airport, 51 mph. Benson Airport, 51 mph. Montevideo Airport, 49 mph. Redwood Falls Airport, 49 mph. Olivia Airport, 48 mph. Madison Airport, 47 mph. New Ulm Airport, 47 mph. Fairmont Airport, 47 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

**MNZ002>004-007-
027-029>030-040**

Clay - Grant - Kittson - Norman - West Becker - West Marshall - West Otter Tail - Wilkin

07	0600CST								
08	1546CST				0	0			Blizzard

An Alberta Clipper tracked across southern Manitoba and into the western Great Lakes on the 7th. A couple of inches of light snow fell with the system, but the bigger problem was the strong northwest winds. 50 mph wind gusts and whiteout conditions were reported from early in the morning of the 7th through the mid afternoon hours. Only the northern Red River Valley had blizzard conditions beyond the mid afternoon. The Pembina to Crookston to Ada corridor held onto blizzard conditions until the morning of the 8th.

MNZ005-006

Lake of the Woods - Roseau

23	0600CST				0	0			Heavy Snow
	1500CST								

A boundary got hung up around the Lake of the Woods region, providing the focus for an extended period of snow. The most snow, 6.5 inches, fell near Warroad.

MINNESOTA, Southeast

MNZ088

Winona

01	0045CST				0	0	8.0K	0.00K	Winter Weather
	1015CST								

Two people were killed and another injured in a two car accident on U.S. Highway 61 south of La Moille (Winona County). Temperatures the day before the accident warmed above freezing allowing some snowmelt to occur and this moisture then likely formed icy spots when temperatures dropped into the 20s. The section of road where the accident occurred has trees and bluffs that create cold spots and icy pockets and is known as one of the most hazardous sections of roads in Winona County. Two other accidents, with non-life threatening injuries, also occurred on icy spots on U.S. Highway 61.

**MNZ079-086>088-
094>096**

Dodge - Fillmore - Houston - Mower - Olmsted - Wabasha - Winona

02	0650CST				0	0	0.00K	0.00K	Winter Storm
03	1045CST								

Southeast Minnesota was covered by a 6 to 9 inch blanket of snow on February 2nd. This snow fell as a winter storm tracked from Kansas into lower Michigan. A band of heavy snow developed ahead of the storm, which moved into southeast Minnesota during the morning of the 2nd and produced snowfall rates up to two inches an hour. This caused roads to quickly become snow covered. The highest reported snowfall amount was 9 inches in Harmony (Fillmore County) and southwest of the city of Winona (Winona County). Blowing and drifting snow became an issue as the storm moved past with wind gusts of 25 to 35 mph. Almost every school closed February 2nd in advance of the storm and many of these remained closed on the 3rd as well.

MNZ086-094

Dodge - Mower

07	2100CST								
08	0800CST				0	0	0.00K	0.00K	Blizzard

Blizzard conditions occurred across a small portion of southeast Minnesota during the evening of February 7th into the early morning hours of the 8th. Northwest winds of 15 to 25 mph with higher gusts, created widespread blowing snow and with some falling light snow, the visibility was reduced to under a half mile at times. These conditions only occurred for a few hours and impacts were very minimal given the time of day that the blizzard occurred.

MNZ094

Mower

18	0600CST				0	0	5.0K	0.00K	Winter Weather
	1600CST								

One person was killed in a two vehicle accident on U.S. Highway 63 north of Racine (Mower County). Southeast winds of 20 to 25 mph created drifting snow that covered the highway and created slippery conditions. A semi-truck lost control because of the slippery conditions, hit another vehicle broadside, which killed the driver of the second vehicle.

Storm Data and Unusual Weather Phenomena

February 2016

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

MNZ071-080>081-089>090-097>098

Cottonwood - Jackson - Lincoln - Lyon - Murray - Nobles - Pipestone - Rock

02	0700CST								
03	0300CST				0	0	0.00K	0.00K	Blizzard

MNZ080-089>090-097>098

Cottonwood - Jackson - Murray - Nobles - Pipestone - Rock

03	0400CST				0	0	0.00K	0.00K	Winter Weather
	1200CST								

Snow in southwest Minnesota was accompanied by north to northwest winds reaching sustained speeds near 30 mph with gusts above 40 mph. The combination of snow and wind caused blizzard conditions from February 2nd into the predawn hours of February 3rd, with widespread visibilities near zero, bringing travel to a halt. The heaviest snow was near Interstate 90, but there was enough snowfall further north from Ivanhoe to Marshall to result in the blizzard conditions.

MNZ071-080>081-089>090-097

Cottonwood - Jackson - Lincoln - Lyon - Murray - Nobles - Pipestone

07	1800CST				0	0	0.00K	0.00K	Blizzard
08									

MNZ098

Rock

07	1900CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

MNZ071-080>081-089>090-097

Cottonwood - Jackson - Lincoln - Lyon - Murray - Nobles - Pipestone

08	1800CST								
09	0000CST				0	0	0.00K	0.00K	Winter Weather

Northerly winds gusting at times to over 50 mph combined with existing heavy snow cover and around one inch of new snowfall to produce blizzard conditions, with visibilities frequently lowering to below a quarter mile during the night and daytime hours of February 7th and 8th. These conditions were widespread, despite less severe conditions in a few sheltered areas, mainly in cities and towns. Several people attempting travel either drove off roads or became stuck, including at least one semi truck on Interstate 90. Some schools and businesses closed on Monday, February 8th.

MNZ089-097>098

Jackson - Nobles - Pipestone - Rock

13	1000CST								
14	0900CST				0	0	0.00K	0.00K	Winter Weather

Snow accumulating up to 4 inches combined with south to southeast winds 15 to 30 mph to cause areas of blowing snow from late morning of February 13th into the morning of February 14th.

MNZ071-080>081-089>090-097>098

Cottonwood - Jackson - Lincoln - Lyon - Murray - Nobles - Pipestone - Rock

19	0500CST				0	0		0.00K	High Wind
	1000CST								

Strong and gusty westerly winds behind a cold front caused sustained winds above 40 mph, with some gusts above 70 mph, across southwest Minnesota during the morning of February 19th.

29	1300CST				0	0	0.00K	0.00K	Winter Weather
	2359CST								

MNZ072-080-089>090-097>098

Cottonwood - Jackson - Lyon - Murray - Nobles - Pipestone - Rock

29	1300CST				0	0	0.00K	0.00K	Winter Weather
	2359CST								

Storm Data and Unusual Weather Phenomena

February 2016

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

Snow accumulated 2 to 5 inches in southwest Minnesota from early afternoon of February 29th to a little after midnight on March 1st. The snowfall made travel hazardous, with several accidents but no known fatalities or injuries. Winds were not strong enough to cause blowing snow.

MISSISSIPPI, Central

Rankin County

Pearson

02	1200CST						5.00K	0.00K	Thunderstorm Wind (50EG)
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A large tree was blown down on Sandy Lane in a backyard. The tree fell on a deck and damaged the deck and other contents.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Rankin County

2 NNW Puckett

02	1310CST						5.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down along MS Highway 43 north of Puckett.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Leake County

1 NW Singleton

02	1315CST						0.00K	0.00K	Hail (0.88)
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Newton County

2 SSW Calhoun

2 WSW Hickory

02	1448CST						120.00K	0.00K	Tornado (EF1)
	1452CST	7.13	150	0	0				

This tornado touched down just west of Highway 15 and tracked northeast across Highway 15 and Highway 504 damaging two homes and a mobile home. The tornado continued northeast across Shelby Road and Garvin Road, damaging the roof of a home and destroying two chicken houses. The most intense damage along the path was to the chicken houses. Numerous trees and power poles were snapped throughout its path before it dissipated near Brand Road. Maximum EF1 winds were 110 mph.

Hinds County

1 SSW Jackson

02	1508CST						3.00K	0.00K	Thunderstorm Wind (50EG)
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A large tree was blown down and blocked Carlisle street.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Lauderdale County

1 SSW Schamberville

2 NNE Shucktown

02	1519CST						1.45M	0.00K	Tornado (EF2)
	1532CST	10.03	880	0	0				

The tornado began southwest of Collinsville near Honeysuckle Drive. It caused damage to numerous homes in this subdivision, mainly to roofs. The tornado then tracked northeast through other subdivisions along Magnolia Road, again causing roof damage that ranged from minor shingle damage to roofs completely destroyed. The tornado also caused extensive damage to a mobile home along Magnolia Drive. As the tornado crossed Highway 494, it caused additional roof damage to a home as well as lifting a mobile home. As the tornado crossed a subdivision along Collinsville Circle, it caused additional roof damage with some extensive. As the tornado tracked near Highway 19, it caused extensive damage to the several buildings of Collinsville Baptist Church. It was here at the church, as well as several of the homes and the mobile home in the subdivisions southwest of Collinsville, that saw the most intense damage and where the tornado was strongest. The tornado continued northeast and snapped or uprooted numerous trees. Minor fence and roof damage occurred at West Lauderdale High School. The tornado continued on into Kemper County. Peak winds were 125 mph. Total path length was 21.4 miles with a max path width of 880 yards(half of a mile).

Rankin County

2 WSW Flowood

02	1530CST						2.00K	0.00K	Hail (1.25)
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Quarter to half dollar sized hail fell at Bass Pro Shops.

Kemper County

2 W Prismatic

3 N Kipling

02	1532CST						35.00K	0.00K	Tornado (EF1)
	1549CST	11.2	110	0	0				

Storm Data and Unusual Weather Phenomena

February 2016

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

MISSISSIPPI, Central

The tornado began southwest of Collinsville near Honeysuckle Drive. It caused damage to numerous homes in this subdivision, mainly to roofs. The tornado then tracked northeast through other subdivisions along Magnolia Road, again causing roof damage that ranged from minor shingle damage to roofs completely destroyed. The tornado also caused extensive damage to a mobile home along Magnolia Drive. As the tornado crossed Highway 494, it caused additional roof damage to a home as well as lifting a mobile home. As the tornado crossed a subdivision along Collinsville Circle, it caused additional roof damage with some extensive. As the tornado tracked near Highway 19, it caused extensive damage to the several buildings of Collinsville Baptist Church. It was here at the church, as well as several of the homes and the mobile home in the subdivisions southwest of Collinsville that saw the most intense damage and where the tornado was strongest. The tornado continued northeast and snapped or uprooted numerous trees. Minor fence and roof damage occurred at West Lauderdale High School. The tornado continued northeast crossing into Kemper County, mainly snapping or uprooting softwood and hardwood trees before it dissipated past Kipling Road. Peak EF2 winds were 125 mph in Lauderdale County. Maximum winds in Kemper County were 110mph. The maximum width was 880 yards as well in Lauderdale County. Total track length was 21.4 miles.

Kemper County

**1 SSW Carters
1 WNW Binnsville**

02	1553CST 1618CST	17.08	300	0	0	250.00K	0.00K	Tornado (EF2)
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This tornado touched down and crossed Graham Road and downed several trees. The tornado then tracked through a wooded area and crossed Highway 16 on the west side of Scooba. Here more trees were snapped or uprooted along with a few power poles that were pushed over. The tornado impacted the west side of Scooba and the western part of East Mississippi Community College. Here the baseball field fence was torn down along with some of the field buildings damaged. Two mobile buildings were heavily damaged in this area. Numerous trees were damaged along with a couple homes with minor roof damage. The tornado then crossed Highway 45 where more trees were snapped. The tornado reached its peak intensity as it approached and crossed Old Highway 45 Road. Dozens of trees were snapped or uprooted along the path and one well-built barn was totally destroyed. There was also a grove of pine trees that sustained extensive damage where roughly 85% were snapped leaving very little standing. At this location, there was evidence of multiple vortices. The tornado continued to the northeast and crossed Millington Road, heavily damaging trees. At the end of Mosley Road, a home sustained some minor roof damage. Here an exterior wood built carport was totally destroyed along with a sizeable metal shed. The tornado damaged a few other metal sheds here along with damaging more trees as it moved into a wooded area. The tornado continued moving through the wooded area in far northern Kemper County and then tracked into southeast Noxubee County. Tree damage was noted at the end of White Horse Road. The tornado dissipated in the wooded area in the Noxubee river bottom. Peak EF2 winds were around 115 mph. Total path length was 18.5 miles.

Noxubee County

5 SW Cooksville

02	1618CST 1623CST	1.44	50	0	0	20.00K	0.00K	Tornado (EF0)
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This tornado touched down and crossed Graham Road and downed several trees. The tornado then tracked through a wooded area and crossed Highway 16 on the west side of Scooba. Here more trees were snapped or uprooted along with a few power poles that were pushed over. The tornado impacted the west side of Scooba and the western part of East Mississippi Community College. Here the baseball field fence was torn down along with some of the field buildings damaged. Two mobile buildings were heavily damaged in this area. Numerous trees were damaged along with a couple homes with minor roof damage. The tornado then crossed Highway 45 where more trees were snapped. The tornado reached its peak intensity as it approached and crossed Old Highway 45 Road. Dozens of trees were snapped or uprooted along the path and one well-built barn was totally destroyed. There was also a grove of pine trees that sustained extensive damage where roughly 85% were snapped leaving very little standing. At this location, there was evidence of multiple vortices. The tornado continued to the northeast and crossed Millington Road, heavily damaging trees. At the end of Mosley Road, a home sustained some minor roof damage. Here an exterior wood built carport was totally destroyed along with a sizeable metal shed. The tornado damaged a few other metal sheds here along with damaging more trees as it moved into a wooded area. The tornado continued moving through the wooded area in far northern Kemper County and then tracked into southeast Noxubee County. Tree damage was noted at the end of White Horse Road. The tornado dissipated in the wooded area in the Noxubee river bottom. Peak EF2 winds were around 115 mph, which occurred in Kemper County. Maximum winds in Noxubee County were 75mph. Total path length was 18.5 miles. Maximum path width was 300 yards.

Lincoln County

2 E Fair Oaks Spgs

02	1642CST 1725CST			0	0	10.00K	0.00K	Flash Flood
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A road was washed out in the Fair River area.

Storm Data and Unusual Weather Phenomena

February 2016

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

Simpson County 2 NW Schley

02	1700CST 1730CST				0	0	5.00K	0.00K	Flash Flood
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Some local ponds overflowed. 5.14 inches of rain was measured at a location on David Sherman and Lower Rockport Road. Part of David Sherman Road was flooded.

Noxubee County Paulette

02	1700CST				0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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A large pine tree was blown down along with other large limbs.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Noxubee County 1 NE Shuqualak 4 SW Mc Leod

02	1727CST 1736CST	6.59	150		0	0	170.00K	0.00K	Tornado (EF1)
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This tornado started in town and was on the weak side as a few trees were uprooted and some limbs broken. More trees were snapped as it crossed the rail road tracks and it peaked in intensity as it crossed Highway 145. Here along Highway 145, numerous trees were snapped and uprooted. A brick gas station had a large portion of the roof lifted off. The old elementary school building was damaged as roughly a 60 foot section of roof was taken off. Many windows were blown out as well. The tornado continued northeast and crossed Highway 45, snapping more trees. More trees were downed at the end of Card Cemetery Road. Some minor tree damage was noted at Elon Road where the tornado dissipated. Peak winds were 110 mph.

Lawrence County Sontag

02	1730CST 2300CST				0	0	10.00K	0.00K	Flash Flood
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A road was washed out in the Songtag community.

Neshoba County 1 SSW Neshoba

02	1839CST 1841CST	0.68	50		0	0	22.00K	0.00K	Tornado (EF1)
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This tornado started just south of County Road 236 where it tore the tin roof off of a home and destroyed an outbuilding. A few hardwood trees were also snapped at this location. The tornado continued northeast to County Road 240 where it uprooted a hardwood tree and also snapped a few softwood trees. The tornado ended just north of County Road 240 snapping a few more trees along the way. Peak EF1 winds was 105 mph.

Neshoba County Dixon

02	1910CST 2315CST				0	0	2.00K	0.00K	Flash Flood
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There was flash flooding on County Road 410 which was about half a mile south of Highway 21 southwest of Philadelphia.

Neshoba County Philadelphia

02	1910CST 2315CST				0	0	10.00K	0.00K	Flash Flood
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Flash flooding occurred on Gum Street.

Neshoba County 1 NNW Ocobla

02	1910CST 2315CST				0	0	10.00K	0.00K	Flash Flood
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Flash flooding occurred at Highway 16 East near Highway 482. Water was almost over Highway 16.

Lincoln County 4 NNE Vaughn

02	1925CST 2230CST				0	0	8.00K	0.00K	Flash Flood
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Multiple roads were flooded in Lincoln County.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Property Damage	Crops	Character of Storm
MISSISSIPPI, Central									
Hinds County									
2 NE Jackson Hawkins Fld	02	2000CST							
	03	0045CST			0	0	10.00K	0.00K	Flash Flood
Flooding occurred at Livingston Road and Mayes Street in Jackson.									
Simpson County									
3 WNW D Lo	02	2026CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down on Pinola-Braxton Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Scott County									
1 SW Sebastopol	02	2030CST							
	03	0045CST			0	0	30.00K	0.00K	Flash Flood
Street flooding occurred throughout the community.									
Scott County									
3 SSW Steel	02	2030CST							
	03	0045CST			0	0	10.00K	0.00K	Flash Flood
Flooding occurred on Harrison Road near Highway 21.									
Rankin County									
Brandon	02	2033CST							
	03	0045CST			0	0	10.00K	0.00K	Flash Flood
Flash flooding occurred on Meadowlane Drive in Brandon. Water had covered roads and yards.									
Simpson County									
2 NW D Lo	02	2040CST							
		2255CST			0	0	2.00K	0.00K	Flash Flood
Flash flooding occurred on Gum Springs Road and Charlie Newsome Road.									
Neshoba County									
Philadelphia	02	2042CST							
		2310CST			0	0	50.00K	0.00K	Flash Flood
Flash flooding occurred on Martin Luther King Drive and Hopson Avenue. Water surrounded mobile homes and some cars were partially submerged. Some water rescues occurred.									
Franklin County									
3 S Meadville	02	2100CST							
		2225CST			0	0	10.00K	0.00K	Flash Flood
Flooding occurred along Meadville Gloster Road.									
Lowndes County									
2 NNE Flynn	02	2100CST							
	03	0000CST			0	0	2.00K	0.00K	Flash Flood
Flash flooding occurred on Bluecutt Road and along Highway 50.									
Rankin County									
1 WSW Value	02	2100CST							
	03	0045CST			0	0	20.00K	0.00K	Flash Flood
A vehicle was stranded along Marquette Road due to flash flooding.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Rankin County

1 SW Luckney

02	2119CST								
03	0045CST				0	0	10.00K	0.00K	Flash Flood

Flash flooding occurred on Flowood Drive, just north of Lakeland Drive. Some portions of the road were blocked off.

Rankin County

2 SE Rice Hill

02	2120CST								
03	0045CST				0	0	3.00K	0.00K	Flash Flood

Flooding occurred in the Sunchase Subdivision. Water came within one foot of a home on Lincolns Drive.

Scott County

1 E Groveton

02	2120CST								
03	0045CST				0	0	2.00K	0.00K	Flash Flood

Flash flooding occurred at Highway 481 North and Airport Road.

MSZ065

Covington

02	2120CST				0	0	3.0K	0.00K	Strong Wind
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Lowndes County

2 SSW Caledonia

02	2130CST								
03	0000CST				0	0	2.00K	0.00K	Flash Flood

Flooding occurred along Dowdle Road.

MSZ066

Jones

02	2130CST				0	0	20.0K	0.00K	Strong Wind
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Rankin County

2 SSW Monterey

02	2155CST								
03	0045CST				0	0	30.00K	0.00K	Flash Flood

Flooding occurred on Williams Road. Water was in a home on 612 Williams Road. Four to five homes were evacuated.

Rankin County

1 W Florence

02	2210CST								
03	0045CST				0	0	2.00K	0.00K	Flash Flood

Flash flooding occurred on Lewis Street near Steens Creek Drive in Florence.

Franklin County

1 S Eddiceton

02	2220CST								
	2230CST				0	0	10.00K	0.00K	Flash Flood

Water covered several areas of a campground along the Homochitto River near Eddiceton. Some water rescues took place.

Lincoln County

3 SW Enterprise
2 SSW East Lincoln

02	2220CST								
	2315CST				0	0	8.00K	0.00K	Flash Flood

Numerous roads were covered in water throughout the area.

Lowndes County

1 N Interstate City
College

02	2230CST								
03	0000CST				0	0	17.00K	0.00K	Flash Flood

Seventeen roads were flooded across Lowndes County.

Storm Data and Unusual Weather Phenomena

February 2016

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

Rankin County

1 SW Pelahatchie

03	0400CST 1800CST				0	0	5.00K	0.00K	Flood
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US Highway 80 was closed due to flooding near Mississippi Highway 43.

Simpson County

3 NW D Lo

03	0716CST 2300CST				0	0	5.00K	0.00K	Flood
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Highway 149 between Sawmill Road and Charlie Newsome Road was closed as a result of flash flooding near Dabbs Creek.

Franklin County

1 ESE Meadville

03	0730CST 1700CST				0	0	5.00K	0.00K	Flood
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MS Road 556 between US Highway 84 and US Highway 98 was flooded and closed in both directions.

A spring like weather system took shape on Feb 2 and set the stage for a round of severe storms with tornadoes. A large surface low developed across the Eastern Plains and Midwest with an attendant surface front that extended southward into the ArkLaMiss region. While the core of the best lift was over the Midwest, a combination of sufficient lift along with strong wind shear and instability coexisted across portions of East-Central Mississippi. Several supercell thunderstorms developed during the afternoon with a few producing tornadoes. One cell in particular was efficient at producing tornadoes and produced 3 before moving into Alabama where it produced a few more. This cell impacted Newton, Lauderdale, Kemper, and Noxubee Counties with tornadoes, 2 of which were strong and rated EF2.

Simpson County

Magee

15	0933CST				0	0	0.00K	0.00K	Hail (1.00)
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Nickel to quarter size hail fell.

Smith County

3 E Center Ridge

15	0943CST				0	0	0.00K	0.00K	Hail (0.88)
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Dime to nickel sized hail fell along Smith County Road 19.

Jasper County

1 ENE Bay Spgs

15	0955CST				0	0	0.00K	0.00K	Hail (1.00)
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Smith County

1 N Center Ridge

15	1005CST				0	0	0.00K	0.00K	Hail (1.00)
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Claiborne County

2 ENE Rocky Spgs

15	1015CST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree and a powerline were blown down along Chapman Ranch Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hinds County

2 SSE Hubbard

3 NE Learned

15	1033CST 1102CST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down along Old Port Gibson Road, Learned Road and also on Oakley Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hinds County

3 NNE Clinton

15	1100CST 1101CST	0.52	50	0	0	3.00K	0.00K	Tornado (EF0)
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This weak and brief tornado touched down in the Southern Oaks subdivision just off Pinehaven Drive. A few cedar trees were snapped and the top of one hardwood tree was blown off. Additional large limbs were broken. The tornado continued to the northeast into a wooded area before lifting. A brief tornadic debris signature (TDS) was observed as well. The maximum estimated wind speed was 75mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Central									
Jefferson County									
2 E Stumpley	15	1105CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down on Stampley Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Hinds County									
Cynthia	15	1108CST			0	0	6.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down along Cynthia Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Franklin County									
2 NNE Hamburg	15	1110CST			0	0	105.00K	0.00K	Thunderstorm Wind (60EG)
A mobile home was destroyed on Norton Road. Five homes had minor damage. Some trees were snapped.									
Note: The estimated wind gust of 60 knots is equivalent to 69 mph.									
Madison County									
2 E Rocky Hill	15	1116CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down along Old Agency Road near Mockingbird Lane.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jefferson County									
1 SSE Union Church	15	1137CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down on Cupit Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Kemper County									
2 ESE Oak Grove	15	1155CST			0	0	0.00K	0.00K	Hail (0.75)
Copiah County									
Wesson	15	1210CST			0	0	900.00K	0.00K	Tornado (EF2)
2 ESE Rockport		1234CST	16.6	250	0	0			
The tornado began along Highway 51 just southwest of Wesson. As it tracked northeast, it snapped many hardwood trees. It also caused roof damage to Wesson Attendance Center as well as downing trees that fell on employee cars. As the tornado continued across the southern end of Beauregard, it continued to down trees with one falling on a house. Another house had minor roof damage. As the tornado passed south-southeast of Sand Hill, it became more intense with numerous trees snapped along Beauregard Road. The worst damage occurred on Sand Hill Road, where a home was obliterated. This is where the tornado reached its most intense point and winds reached 130 mph. Another home suffered significant roof damage, a shop was destroyed and many trees were blown down. The tornado tracked northeast, downing numerous trees and causing roof damage to a mobile home on Beauregard Road. The tornado then weakened slightly as it tracked into Simpson County and caused roof damage to two homes on Rockport Road. EF1 type damage was found in the Rockport area, which included snapped trees and some minor roof damage along Highway 27, Camp Lane, and Lower Rockport Road. Minor tree damage occurred as the tornado tracked south of Bridgeport. It reintensified near Bushtown Shivers Road and snapped and uprooted softwood trees as it tracked across Highway 28 south of Pinola. The tornado finally lifted near Tom Coke Road on the eastern side of Pinola. The total path length for this tornado was 30.8 miles. The maximum estimated wind speed was 130mph.									
Rankin County									
2 WNW Rook Hill	15	1215CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down at 244 Melissa Avenue.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Leake County									
3 SSW Conway	15	1215CST			0	0	800.00K	0.00K	Tornado (EF1)
		1219CST	1.88	300	0	0			
The tornado began just to the west of Highway 429, snapping some trees near Koli Creek. The tornado then tracked northeast along Cooper Road. In this area, it caused heavy tree damage along the path, snapping or uprooting numerous trees. Also along this road, three chicken houses were flattened and another was damaged. A home suffered minor roof damage. The tornado crossed Waggoner Road and lifted in an adjacent wooded area. The maximum estimated wind speed was 110mph.									
Simpson County									
3 WNW Schley	15	1234CST			0	0	60.00K	0.00K	Tornado (EF1)
2 ENE Pinola		1257CST	13.74	100	0	0			

Storm Data and Unusual Weather Phenomena

February 2016

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

The tornado began along Highway 51 just southwest of Wesson. As it tracked northeast, it snapped many hardwood trees and also caused roof damage to Wesson Attendance Center. The tornado also downing trees that fell onto employee cars. As the tornado continued across the southern end of Beauregard, it continued to down trees with one falling on a house. As the tornado passed south-southeast of Sand Hill, it became more intense with numerous trees snapped along Beauregard Road. The worst damage occurred on Sand Hill Road, where a home was destroyed. This is where the tornado reached its most intense point with winds reaching 130 mph. Another home suffered significant roof damage, a shop was destroyed and many trees were blown down. The tornado tracked northeast, downing numerous trees and causing roof damage to a mobile home on Beauregard Road. The tornado then weakened slightly as it tracked into Simpson County and caused roof damage to two homes on Rockport Road. EF1 type damage was found in the Rockport area, which included snapped trees and some minor roof damage along Highway 27, Camp Lane, and Lower Rockport Road. Minor tree damage occurred as the tornado tracked south of Bridgeport. It re-intensified near Bushtown Shivers Road and snapped and uprooted softwood trees as it tracked across Highway 28 south of Pinola. The tornado finally lifted near Tom Coke Road on the eastern side of Pinola. The total path length for this tornado was 30.8 miles. The maximum estimated winds were 130mph, which occurred in Copiah County. The maximum estimated winds in Simpson County were 95mph. The maximum path width for this entire tornado was 250 yards.

Scott County

1 N Morton

15	1240CST				0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down at 1060 Highway 13 North.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Leake County

2 NNE Walnut Grove

15	1241CST				0	0	10.00K	0.00K	Thunderstorm Wind (53EG)
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Trees and powerlines were blown down in Walnut Grove.

Note: The estimated wind gust of 53 knots is equivalent to 61 mph.

Winston County

1 WNW Hinze

15	1245CST						45.00K	0.00K	Tornado (EF1)
	1250CST	2.51	200	0	0				

The tornado began west of Hinze-Rural Hill Road near Lobutchka Creek. It snapped several softwood trees and uprooted a few hardwood trees. The tornado then tracked along Hinze Road where it continued to cause tree damage before lifting. The maximum estimated wind speed was 105mph.

Neshoba County

2 N Linwood

15	1314CST				0	0	10.00K	0.00K	Thunderstorm Wind (53EG)
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Trees were blown down along Highway 15.

Note: The estimated wind gust of 53 knots is equivalent to 61 mph.

Lincoln County

6 ENE Caseyville
6 NW New Sight

15	1318CST				0	2	70.00K	0.00K	Thunderstorm Wind (83EG)
	1321CST								

An intense microburst occurred along the Lincoln/Copiah County line. Damage occurred just west of Jackson-Liberty Road and north of Norton-Assink Road. Here a mobile home rolled multiple times and was destroyed. A couple of minor injuries occurred at this location. Other damage that was noted was many uprooted trees along nearly a 3 mile swath. All of the uprooted trees were blown down to the east-northeast. Along Old Red Star Road, the roof of a metal shed was blown off and tin was blown into a tree along with some tin peeled off the corner of a roof of another home. The width of this damage was nearly 1 mile wide with max winds around 95 mph. The damage ended near Foster Lane near the county line.

Note: The estimated wind gust of 83 knots is equivalent to 96 mph.

Copiah County

3 SE Peetsville

15	1321CST				0	0	5.00K	0.00K	Thunderstorm Wind (83EG)
	1323CST								

An intense microburst occurred along the Lincoln/Copiah County line. Damage occurred just west of Jackson-Liberty Road and north of Norton-Assink Road. Here a mobile home was rolled multiple times and destroyed. A couple minor injuries occurred at this location. Other damage that was noted was many uprooted trees along nearly a 3 mile swath. All of the uprooted trees were blown down to the east-northeast. Along Old Red Star Road, the roof of a metal shed was blown off and tin was blown into a tree along with some tin peeled off the corner of a roof of another home. The width of this damage was nearly 1 mile wide with max winds around 95 mph. The damage ended near Foster Lane near the county line.

Note: The estimated wind gust of 83 knots is equivalent to 96 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

MISSISSIPPI, Central

Smith County 2 NW Cohay

15	1324CST 1327CST	2.1	100	0	0	15.00K	0.00K	Tornado (EF0)
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This brief tornado touched down on Smith County Road 114 in western Smith County. It crossed Georgia Pacific Land and ended back on County Road 114 near Clear Creek. A few trees were downed along the path. The maximum estimated wind speed was 75mph.

Lincoln County 3 NE New Sight

15	1330CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees were blown down and blocked the road near Copiah-Lincoln Community College.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Lincoln County 1 SE Brookhaven

15	1330CST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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A tree fell onto a home on Fulton Street.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Smith County 2 SW Sylvarena

15	1343CST 1347CST	2.72	250	0	0	250.00K	0.00K	Tornado (EF1)
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The tornado began near Smith County Road 84, where some softwood trees were uprooted. It then tracked northeast into Sylvarena. Here the tornado damaged several structures along Highway 18, including ripping off a gas station canopy and blowing down an antenna. Homes also had roof damage and were damaged by uprooted trees. The tornado continued northeast and lifted amongst some trees south of Ted-Sylvarena Road. The maximum estimated wind speed was 105mph.

Smith County 1 W Ted

15	1352CST 1354CST	1.45	100	0	0	8.00K	0.00K	Tornado (EF1)
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The tornado began just west of Smith County Road 107 where it snapped some trees. It then crossed into Jasper County, continuing to uproot and snap trees. The tornado entered Montrose where numerous trees were either snapped or uprooted. There was also damage to several buildings in Montrose, including roof damage to a church as well as damage to houses due to fallen trees. The tornado was at its widest point in Montrose. The tornado continued northeast, following Highway 15, where it snapped and uprooted trees through the remainder of its path, with a few falling on homes. The tornado lifted just north of the Highway 15 intersection with Jasper County Road 24. The total path length for this tornado was 14.7 miles. The maximum width for this tornado was 350 yards and maximum estimated winds were 110mph, which occurred in Jasper County. The highest winds estimated in Smith County was 90mph.

Jasper County 4 NW Hamlet 1 ESE Baxter

15	1354CST 1411CST	13.17	350	0	0	600.00K	0.00K	Tornado (EF1)
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The tornado began just west of Smith County Road 107 where it snapped some trees. It then crossed into Jasper County, continuing to uproot and snap trees. The tornado entered Montrose where numerous trees were either snapped or uprooted. There was also damage to several buildings in Montrose, including roof damage to a church as well as damage to houses due to fallen trees. The tornado was at its widest point in Montrose. The tornado continued northeast, following Highway 15, where it snapped and uprooted trees through the remainder of its path, with a few falling on homes. The tornado lifted just north of the Highway 15 intersection with Jasper County Road 24. The total path length for this tornado was 14.7 miles. The maximum width for this tornado was 350 yards and maximum estimated winds were 110mph, which occurred in Jasper County.

Jefferson Davis County 2 NE Hebron 5 E Gwinville

15	1402CST 1410CST			0	0	25.00K	0.00K	Thunderstorm Wind (60EG)
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Numerous trees were blown down around the county. Trees were blown down near Hebron, including on White Sands Road, Sonat Road, and Will Barber Road. Trees were also blown down near Clem on Keys Road, Roberts Road and Clem School Road.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Central									
Jefferson Davis County									
1 ESE Prentiss	15	1410CST							
3 S Mt Carmel		1415CST			0	0	10.00K	0.00K	Thunderstorm Wind (53EG)
A tree was blown down on JE Johnson Avenue and trees were blown down on Jones Lane near Prentiss.									
Note: The estimated wind gust of 53 knots is equivalent to 61 mph.									
Jefferson Davis County									
4 SW Carson	15	1415CST							
		1420CST			0	0	10.00K	0.00K	Thunderstorm Wind (55EG)
Trees were blown down on Smith Lane and on Chocktaw Road near Carson.									
Note: The estimated wind gust of 55 knots is equivalent to 63 mph.									
Newton County									
4 SE Calhoun	15	1415CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A few trees and limbs were blown down just inside Newton County from Jasper County.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Forrest County									
1 SE Hattiesburg	15	1420CST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
Trees were blown down on houses on Elizabeth Avenue and Dixie Avenue. Another small tree blocked Bonhomie Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Smith County									
1 N Center Ridge	15	1428CST			0	0	8.00K	0.00K	Thunderstorm Wind (54EG)
Trees and large limbs were blown down in the Center Ridge area.									
Note: The estimated wind gust of 54 knots is equivalent to 62 mph.									
Jones County									
2 WNW (LUL)Hesler Fld Laur	15	1432CST							
3 NNE Tuckers Crossing		1436CST			0	0	14.00K	0.00K	Thunderstorm Wind (50EG)
A carport was blown over on Garden Road southwest of Laurel. A limb and powerline were blown down on a house on North 5th Avenue in Laurel. A tree was also blown down in the road on Lower Myrick Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Covington County									
2 E Collins	15	1435CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree and powerlines were blown down on Ramsey McQueen Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Covington County									
1 S Gandsi	15	1439CST			0	0	7.00K	0.00K	Thunderstorm Wind (50EG)
A large limb caused minor roof damage to a home on Bobby Beasley Street.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jones County									
1 W Blodgett	15	1440CST			0	0	4.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down across Highway 15 South near the Perry County line.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jones County									
1 WNW Soso	15	1440CST			0	0	4.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down at Frosty Hinton Road and Josh Hinton Road near Soso.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Central									
Newton County									
2 NNW Newton Okeefe Arpt	15	1445CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A large pine tree was blown down on MS Highway 15. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Newton County									
1 ENE Decatur	15	1450CST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
A roof was damaged along MS Highway 503. Scattered trees were also blown down across the county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Jasper County									
1 WSW Hero	15	1452CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
Scattered trees and large limbs were blown down along Mississippi Highway 504 in far northern Jasper County. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Newton County									
4 SE Calhoun	15	1454CST			0	0	15.00K	0.00K	Thunderstorm Wind (55EG)
Tin was blown off and scattered through a field. Numerous large limbs and some trees were also blown down in far southern Newton County. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.									
Newton County									
Duffee	15	1500CST			0	0	8.00K	0.00K	Thunderstorm Wind (50EG)
A large tree limb was blown down and fell onto a home, which caused minor damage. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Clarke County									
1 SE Enterprise	15	1520CST			0	0	10.00K	0.00K	Thunderstorm Wind (52EG)
Trees were blown down in the Enterprise area. A large tree was blown down and blocked an exit ramp along I-59. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Lauderdale County									
3 SSE Okatibbee	15	1520CST			0	0	15.00K	0.00K	Thunderstorm Wind (55EG)
Power lines were blown down at Highway 145 and TM Jones Road. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.									
Clarke County									
1 N Archusa Spgs	15	1525CST			0	0	110.00K	0.00K	Thunderstorm Wind (62EG)
Numerous trees were blown down around the county, including several in Quitman. Two cars were damaged by falling trees. Note: The estimated wind gust of 62 knots is equivalent to 71 mph.									
Lauderdale County									
1 N Marion	15	1525CST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down on a mobile home. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lauderdale County									
(NMM)Nas Meridian	15	1534CST			0	0	0.10K	0.00K	Thunderstorm Wind (48MG)
Widespread severe weather occurred with a mix of damaging winds, hail and several tornadoes. The focus of the severe weather was across central and southern Mississippi. This event was driven by a potent disturbance that swung across the area during the midday and afternoon hours. As this strong feature dropped into the Lower Mississippi River Valley, a surface low rapidly deepened as it tracked across central Mississippi. The atmospheric response to this was for a rapid increase in winds aloft and higher low level moisture. This combination set the stage for an unstable environment that contained high levels of wind shear which supported and sustained tornado development. Note: The measured wind gust of 48 knots is equivalent to 55 mph.									
Lincoln County									
3 SE Arlington	23	1545CST 1547CST	0.46	75	0	0	40.00K	0.00K	Tornado (EF1)

Storm Data and Unusual Weather Phenomena

February 2016

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

The tornado began just west-southwest of Shannon Drive in a wooded area where a few large trees were uprooted and a few tops of trees were snapped. As the tornado crossed Shannon Drive, many large trees were snapped and uprooted with one causing minor roof damage to a home. The tornado then crossed Magnolia Trail where a large limb was snapped and skirting was blown off of a mobile home into a pasture across the road. The tornado continued around 100 yards or so into the pasture where a feed house was damaged and tin was strewn around. The tornado lifted soon after in this pasture. Estimated maximum sustained winds were 90 mph.

Marion County 6 E Twin

23	1554CST 1558CST	2.32	200	0	0	25.00K	0.00K	Tornado (EF1)
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This tornado started in Pearl River County and crossed into southwest Marion County where it snapped numerous softwood and hardwood trees. The tornado also caused roof damage to a hunting lodge just across the county line. The tornado continued north-northeast and ended just south of Pearl Bluff Circle, snapping a few more trees along the way. Maximum estimated winds were 105 mph, which occurred in Marion County. Total path length was 5.2 miles.

Lamar County 3 WSW Baxterville

23	1607CST	0.1	25	0	0	5.00K	0.00K	Tornado (EF0)
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This brief tornado snapped and uprooted several trees just south of Clear Creek Road in southwest Lamar County. Maximum estimated winds were 80 mph.

Lamar County 6 ENE Baxterville 3 NW Purvis

23	1615CST 1623CST	5.63	100	1	0	105.00K	0.00K	Tornado (EF2)
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The tornado began just southwest of Sones Road where it snapped a few limbs. The tornado continued northeast across Martin Bird Lane. The tornado was at its strongest at this point where it destroyed a double-wide mobile home. The debris from the mobile home was thrown nearly 125 yards from its original point. A car was also rolled approximately 75 yards. Two power poles were snapped along with a few trees at this location also. This location is where the fatality occurred. The tornado continued northeast across Beach Road where it snapped a few more trees. The tornado then continued northeast along Doc Johnson Road snapping a few trees along the way. This tornado damaged an outbuilding and also took the roof off of a chicken house along Doc Johnson Road. The tornado ended near Haden Road where it snapped a few more trees. Maximum estimated winds were 115 mph. M73MH

Lamar County 3 NW Okahola 3 SSE Oak Grove

23	1629CST 1631CST	1.42	75	0	0	10.00K	0.00K	Tornado (EF1)
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This tornado began just southwest of Jake Johnson Road where it snapped a few trees. It continued northeast along old US 11 and ended just north of East Anderson Road, snapping a few trees and causing some minor roof damage along the way. Maximum estimated winds were 90 mph.

Yazoo County 1 SSE Benton

23	1642CST 1644CST	1.15	100	0	0	25.00K	0.00K	Tornado (EF0)
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This weak tornado touched down along Highway 16 southwest of Benton, uprooting some trees. It continued northeast and crossed Highway 433, causing trees to be uprooted in a concentric pattern with one falling on a house along Highway 433. The tornado continued northeast over Alton Circle and broke large limbs along Benton Boulevard. The tornado continued into Benton Country Club where a large tree was snapped and small limbs were broken along the path. The tornado lifted just southwest of Wildwood Road. Maximum winds with this tornado were 85 mph.

Simpson County 2 E Pokal

23	1646CST 1647CST	0.62	40	0	0	13.00K	0.00K	Tornado (EF0)
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This tornado started along Grubbs Hog Farm Road, uprooting trees and snapping large limbs off the tops of some trees. The tornado continued northeast into a wooded area. A few more trees were downed in the woods just northwest of Joseph Crawford Road before lifting near this location soon after. Estimated maximum winds were 80 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Central									
Forrest County									
Petal	23	1647CST			0	0	10.00K	0.00K	Thunderstorm Wind (55EG)
	Trees were blown down on Corinth Road, and North Main Street. Trees and power lines were blown down on Elizabeth Avenue.								
	Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Jones County									
3 SSE Errata	23	1711CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on Brown Drive in the Powers Community.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Jones County									
3 ENE Sandersville	23	1715CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on McFarland Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Carroll County									
1 S Carrollton	23	1745CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down along Highway 17.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Forrest County									
4 WSW Carnes	23	1801CST			0	0	15.00K	0.00K	Tornado (EF0)
		1809CST	3.92	75	0	0			
	This tornado began near Entrekin Road snapping a few trees along with a power pole. The tornado continued northeast across Havard Road and ended near MS 13 snapping a few more trees along the way. Estimated maximum winds were 75 mph.								
Warren County									
1 NW Grange Hall	23	2039CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
	A tree and a power line were blown down Grange Hall Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Claiborne County									
3 NE Gordon	23	2040CST			0	0	9.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down onto utility equipment along MS Highway 547.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Claiborne County									
2 SE Galloway	23	2045CST			0	0	0.00K	0.00K	Hail (1.00)
Jefferson County									
1 S Fayette	23	2045CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on Poplar Hill Road. Two trees were also blown down on Geoghegan Road.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Hinds County									
2 NNE Dixon	23	2119CST			0	0	4.00K	0.00K	Hail (1.50)
	A few windshields were cracked along Highway 49.								
Madison County									
3 E Madison	23	2128CST			0	0	7.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down on a house on Twin Harbor Place.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Simpson County									
2 NW Harrisville	23	2138CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	A tree was blown down across Highway 469.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Copiah County									
1 NE Crystal Spgs	23	2140CST			0	0	0.00K	0.00K	Hail (0.75)

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Central									
Copiah County									
1 NE Crystal Spgs	23	2140CST			0	0	7.00K	0.00K	Thunderstorm Wind (50EG)
	Shingles were blown off the roof of a house.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Attala County									
1 NW Kosciusko	23	2148CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down in Kosciusko and along Highway 35 south of Kosciusko.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Simpson County									
3 NW D Lo	23	2149CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
	A few trees were blown down near Highway 49 around Dabbs Creek.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Leake County									
1 NW Singleton	23	2150CST			0	0	4.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were blown down in the Singleton area.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Rankin County									
1 E Whitfield	23	2156CST			0	0	0.00K	0.00K	Hail (1.00)
	Hail occurred along MS Highway 468.								
Attala County									
13 SSE Ethel	23	2207CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	Power lines were blown down across MS Highway 19 between Zama and Four Corners.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Choctaw County									
1 E Ackerman Choctaw Arp	23	2221CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A shed was damaged at a lumber yard off of MS Highway 12.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Newton County									
1 E Cooksey	23	2247CST			0	0	0.00K	0.00K	Hail (0.88)
	Dime to nickel sized hail occurred along Highway 489 just northeast of Conehatta.								
Oktibbeha County									
2 SSW Patrick	23	2250CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
	A large tree along Stone Boulevard was split in half on The Mississippi State University campus. Large limbs were blown down on Greensboro Street in Starkville.								
	Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Newton County									
2 NNE Stratton	23	2255CST			0	0	0.00K	0.00K	Hail (0.75)
	Showers and thunderstorms occurred across the region in association with a potent low pressure system. Some of these storms produced tornadoes, strong damaging wind gusts, and hail.								
MISSISSIPPI, South									
Wilkinson County									
3 ESE Turnbull	15	1142CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
	Two trees were blown down off of Whitaker Road less than one mile from the Mississippi-Louisiana state line.								
	Note: The estimated wind gust of 60 knots is equivalent to 69 mph.								
Wilkinson County									
1 S Centreville	15	1153CST			0	0	0.00K	0.00K	Hail (1.00)
	Quarter size hail reported in Centreville. Event time was estimated by radar.								

Storm Data and Unusual Weather Phenomena

February 2016

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

Walthall County

1 SSW Lexie	15	1315CST							
1 ESE Davo		1322CST	5	250	0	2	0.00K		Tornado (EF1)

The tornado initially touched down just west of Mississippi Highway 27 southwest of Tylertown, moved northeast across the highway uprooting a few trees and snapping large tree limbs. The tornado moved east-northeast across East Lexie Road with the greatest damage near Ginntown Road. Heavy tree damage was noted in this area with dozens of trees uprooted or snapped. One home had a total loss of the roof and one exterior wall collapsed inward. Two individuals sustained superficial injuries and were treated on scene. A few other mobile homes had minor damage to undercarriage and roofing. A metal building had more than 80 percent of its roof removed. Minor damage also occurred to the roof of a church. The tornado crossed the intersection of Mississippi Highway 48 and Purvis Road before lifting. The tornado was rated EF1 with an estimated peak wind of 105 mph. Path length was 5 miles and maximum width 250 yards. Event time was estimated based on radar.

Amite County

1 SW Smithdale	15	1335CST			0	0	0.00K		Thunderstorm Wind (60EG)
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Roof damage and damage to a shed was reported near the intersection of Fenn Road and Miller Road. Event time estimated based on radar.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Hancock County

1 N Diamondhead Arpt	15	1405CST			0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail was reported in Diamondhead. Event time was estimated from radar.

A strong storm system moving through the Mississippi River Valley aided the development of several lines of thunderstorms during the morning and afternoon hours of the 15th. Numerous reports of severe weather were received with this system, including at least one tornado.

Pearl River County

5 N Cybur	23	1549CST							
3 S White Sand		1601CST	9.52	150	0	0	0.00K		Tornado (EF1)

A weak tornado touched down near Donley Burks Road west of Highway 43 and moved northeastward. Minor to moderate damage was noted on 5 homes with numerous trees downed and uprooted in rural parts of the County. A tin roof was also torn off of one home. The tornado lifted near Osborn Moody Road. Maximum wind speeds were estimated near 100 mph.

Pearl River County

12 NNW White Sand	23	1550CST							
13 WNW Hillsdale		1554CST	2.83	75	0	0	0.00K		Tornado (EF1)

A weak tornado damaged a few mobile homes and shifted one mobile home off its foundation. It also snapped trees and large branches. It continued into Marion County before lifting. Maximum wind speeds in Pearl River County were estimated at 90 mph.

Harrison County

1 E Pass Christian	23	1555CST			0	0	0.00K	0.00K	Hail (1.00)
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Pea to quarter sized hail fell for a short duration.

Harrison County

1 S (GPT)Gulfport Rgnl A	23	1600CST			0	0	0.00K	0.00K	Hail (1.00)
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Quarter sized hail reported in Gulfport.

Harrison County

1 W Lyman	23	1610CST			0	0	0.00K	0.00K	Hail (1.75)
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Quarter to golfball sized hail was reported in Lyman.

Jackson County

1 S Wade	23	1745CST			0	0	0.00K	0.00K	Hail (1.75)
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Golfball sized hail was reported in Wade.

A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, Southeast									
Greene County									
Avera	15	1123CST			0	0	0.00K	0.00K	Hail (1.00)
Wayne County									
State Line	15	1155CST			0	0	0.00K	0.00K	Hail (1.00)
Perry County									
Richton	15	1446CST 1448CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed several trees in Richton. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Greene County									
1 SSE Avera	15	1504CST 1506CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed two trees near Neely Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
3 SE Clara	15	1508CST 1510CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed power lines on Ceamon Pittman Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
5 E Clara	15	1511CST 1513CST			0	0	10.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed multiple trees on Chicora River road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
2 W Waynesboro	15	1512CST 1514CST			0	0	20.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed a large tree on a house. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
5 NNW Buckatunna	15	1512CST 1514CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed trees on Highway 45 and Winchester Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
4 NNW Buckatunna	15	1513CST 1515CST			0	0	20.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed a tree on a house on Taylor Circle. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Wayne County									
Denham	15	1516CST 1518CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated at 60 mph downed trees across Palmer Hollinghead and Denham Progress Roads. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

George County 3 N Latonia

15	1553CST 1555CST				0	0	6.00K	0.00K	Thunderstorm Wind (52EG)
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Winds estimated at 60 mph blew a roof off an old shed near rocky creek on Turkey Fork Road.

Severe thunderstorms moved across southeast Mississippi and produced strong winds and large hail. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Perry County New Augusta

23	1645CST 1647CST				0	0	0.00K	0.00K	Funnel Cloud
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A spotter reported a Funnel Cloud crossing Hwy 98 east of New Augusta. Could not confirm if it was on the ground or not.

Greene County 2 NW Sand Hill

23	1721CST 1723CST				0	0	40.00K	0.00K	Thunderstorm Wind (52EG)
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Minor roof damage to a home on Gaines Brewer Road. A small greenhouse was also damaged. Time estimated from radar.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Greene County 4 SE Avera

23	1725CST 1727CST	1.51	75		0	0	100.00K	0.00K	Tornado (EF1)
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The tornado initially touched down along MS-63 southeast of the community of Avera. A homestead was affected as it moved northeast. At the homestead...Metal roofing material from a barn was lofted into an adjacent tree. A trailer was also overturned...with a motor vehicle moved from its initial position. Some minor structural damage to the barn was also noted. Numerous (mostly) pine trees were either blown down or snapped as the storm headed into a less populated area of the county. The tornado lifted just east-southeast of Avera.

Wayne County 2 NW Whistler

23	1726CST 1728CST				0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
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Two trees down on Pleasant Grove Sandersville Road near Jack Clark Road.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Greene County 6 E Avera

23	1732CST 1733CST	0.03	75		0	0	25.00K	0.00K	Tornado (EF1)
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A second brief tornado touchdown was found in vicinity of Shady Hollow Road in northern Greene County. A couple of trees with large branches were sheared in a forested area several dozen yards to the west of the road. The tornado quickly moved across the road...EF1 damage was noted as many pine trees were either uprooted or snapped. Damage in this area coincides with an operator-defined tornado vortex signature...As well as a tornadic debris signature from the mobile wsr-88d.

Greene County 7 SSW County Line

23	1735CST 1739CST				0	0	75.00K	0.00K	Thunderstorm Wind (83EG)
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Storm Data and Unusual Weather Phenomena

February 2016

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

MISSISSIPPI, Southeast

Downburst winds were noted along a 5.83 mile path on the leading edge of a bow echo. Large pine trees were uprooted and snapped along the downburst's path...With all trees laying in the same direction. The most significant damage occurred approximately 9 miles north-northeast of Jonathan...where a 40x52 storage building was destroyed and damage to siding on a mobile home was observed.

Note: The estimated wind gust of 83 knots is equivalent to 96 mph.

Greene County 2 E Kittrell

23	1745CST								
	1746CST	0.54	150	0	0	100.00K	0.00K		Tornado (EF1)

The storm survey team found a third tornado touchdown in a heavily wooded area near the Greene/Wayne county line. Numerous large diameter (greater than 2 feet) hardwood and pine trees were either snapped near the base of the trunk or uprooted. Significant damage occurred to a log cabin built in 1909 just inside the Wayne County line...with window panes blown out and large portions of the roof destroyed. A detached outbuilding...built roughly at the same time...was destroyed by a large tree falling on its north side. The tornado continued affecting mostly wooded areas before lifting just to the northeast of Woulard Bend River Road.

Wayne County 3 W State Line

23	1746CST								
	1747CST	1.06	150	0	0	100.00K	0.00K		Tornado (EF1)

The storm survey team found a third tornado touchdown in a heavily wooded area near the Greene/Wayne county line. Numerous large diameter (greater than 2 feet) hardwood and pine trees were either snapped near the base of the trunk or uprooted. Significant damage occurred to a log cabin built in 1909 just inside the Wayne County line...with window panes blown out and large portions of the roof destroyed. A detached outbuilding...built roughly at the same time...was destroyed by a large tree falling on its north side. The tornado continued affecting mostly wooded areas before lifting just to the northeast of Woulard Bend River Road.

Wayne County 3 W State Line

23	1747CST								
	1749CST			0	0	3.00K	0.00K		Thunderstorm Wind (52EG)

Winds estimated at 60 mph downed trees on Henderson James Road.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Wayne County State Line

23	1748CST								
	1750CST			0	0	3.00K	0.00K		Thunderstorm Wind (52EG)

Winds estimated at 60 mph downed trees on Battles Road.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Wayne County 1 NW State Line

23	1800CST								
	1900CST			0	0	0.00K	0.00K		Flash Flood

Woulard Bend River Road was flooded from the intersection of Henderson James Road to State Line Battles Road. Several areas of the road were completely under water.

Greene County 4 S County Line

23	2000CST								
	2100CST			0	0	0.00K	0.00K		Flood

Roads were impassable due to flooding in the Old Avery community.

Greene County 1 E Jonathan

23	2000CST								
	2100CST			0	0	0.00K	0.00K		Flood

Roads were impassable due to flooding in the Jonathan community.

A strong storm system brought produced numerous thunderstorms across southeast Mississippi. Damaging winds and tornadoes were observed along with very heavy rain.

Storm Data and Unusual Weather Phenomena

February 2016

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

Crawford County 3 SW Butts	20	1800CST			0	0	0.00K	0.00K	Hail (0.88)
Franklin County Union	20	1940CST			0	0	0.00K	0.00K	Hail (0.75)
Jefferson County 5 NW Arnold	20	2005CST			0	0	0.00K	0.00K	Hail (0.88)
Jefferson County 1 N Mapaville	20	2044CST			0	0	0.00K	0.00K	Hail (0.88)

Isolated severe storms developed across the area with some producing large hail.

MISSOURI, Southeast

MOZ076-086-100-107>112-114 **Bollinger - Butler - Cape Girardeau - Carter - Mississippi - New Madrid - Perry - Ripley - Scott - Stoddard - Wayne**

14	0500CST 1400CST				0	0	0.00K	0.00K	Winter Weather
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A mixture of freezing rain and snow caused hazardous travel conditions. The precipitation was almost all freezing rain from the Poplar Bluff area westward and northward. Ice accumulations ranged from one-tenth to one-quarter inch. Further east, the precipitation began as heavy snow. The heavy snow lasted about an hour before changing to freezing rain. From 1 to 2 inches of snow fell across parts of southeast Missouri, generally along and east of a line from Marble Hill to New Madrid. The heavy snow reduced visibility to about one-quarter mile. Ice accumulations after the heavy snow were around one-tenth inch. Roads were slick and very hazardous. At least a dozen vehicles slid off roadways. The precipitation was caused by a strong southerly flow of moist air on the back side of a high pressure system over the Appalachian Mountains. Abundant low-level moisture and warmer air was drawn northward over initially cold air at the surface. A strong but compact 500 mb shortwave over the central Plains enhanced precipitation rates.

MOZ076-086-100-107>112-114 **Bollinger - Butler - Cape Girardeau - Carter - Mississippi - New Madrid - Perry - Ripley - Scott - Stoddard - Wayne**

15	0700CST 1100CST				0	0	0.00K	0.00K	Dense Fog
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Widespread dense fog blanketed southeast Missouri during the morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred under a weak surface high to the north of a stationary front over the Lower Mississippi Valley.

MOZ087-108>112-114 **Butler - Cape Girardeau - Mississippi - New Madrid - Ripley - Scott - Stoddard**

16	0000CST 0700CST				0	0	0.00K	0.00K	Dense Fog
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Along and southeast of a line from Cape Girardeau to Poplar Bluff to Doniphan, dense fog was widespread during the early morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred under a narrow ridge of high pressure that extended from the central Gulf coast northward to the Wabash River Valley of Illinois and Indiana. Light winds and moist ground from recent rain and snowmelt set the stage for the fog.

MOZ076-086-100-107>112-114 **Bollinger - Butler - Cape Girardeau - Carter - Mississippi - New Madrid - Perry - Ripley - Scott - Stoddard - Wayne**

19	0600CST 1300CST				0	0	11.0K	0.00K	Strong Wind
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Strong south to southwest winds gusting to around 45 mph buffeted southeast Missouri. The strongest measured wind gust was 46 mph at the Poplar Bluff airport. The cause of the strong winds was a strong pressure gradient between low pressure over the upper Mississippi Valley and high pressure over the Eastern seaboard.

20	0400CST 0800CST				0	0	0.00K	0.00K	Dense Fog
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Storm Data and Unusual Weather Phenomena

February 2016

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

MOZ087-111-114

Cape Girardeau - Mississippi - New Madrid - Scott

20	0400CST 0800CST				0	0	0.00K	0.00K	Dense Fog
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Dense fog blanketed the Mississippi River counties of southeast Missouri during the early morning hours. Visibility was reduced to one-quarter mile or less. The dense fog occurred in a light southerly flow of moist air around high pressure centered off the Carolina coast.

MOZ110

Stoddard

23	1900CST				0	0	1.0K	0.00K	Strong Wind
24	0800CST				0	0	1.0K	0.00K	Strong Wind

MOZ107>109

Butler - Carter - Ripley

24	0000CST 0900CST				0	0	3.0K	0.00K	Strong Wind
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MOZ076

Perry

24	0300CST 1200CST				0	0	30.0K	0.00K	Winter Storm
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MOZ086-100

Bollinger - Cape Girardeau - Wayne

24	0400CST 1100CST				0	0	0.00K	0.00K	Winter Weather
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A combination of heavy wet snow and strong winds during the morning hours produced major impacts in parts of southeast Missouri. From 4 to 7 inches of heavy wet snow fell in the Perryville area, including most of Perry County. The highest impacts were in Perry County, where widespread power outages knocked out power to 90 percent of Perryville. Sustained north winds ranged from 20 to 30 mph, with gusts to around 45 mph. Further south, from 1 to 3 inches of heavy wet snow fell as far south as a line from Cape Girardeau to Greenville in Wayne County. The snow fell heavily for a few hours, reducing visibility as low as one-quarter mile. Roads were very slick and hazardous. Dozens of cars slid off roads. Temperatures were from 32 to 34 degrees, which resulted in a heavy, wet snowfall. Specific snowfall amounts included 7 inches at Perryville, 3 inches at North Patton (in Bollinger County), 2.5 inches at Greenville (in Wayne County), and 1.5 inches on the west side of Cape Girardeau. The strongest winds occurred in the Poplar Bluff and Dexter areas, which were south of the accumulating snow. The peak wind gust at the Poplar Bluff airport was 46 mph. A trained spotter near Dudley in Stoddard County measured a sustained wind of 38 mph with a peak gust to 49 mph. This heavy precipitation and wind event was caused by a couple of weak surface lows that consolidated into a strong low pressure center over western Kentucky. At 500 mb, the phasing of a northern stream shortwave over the northern Plains with a moist southern stream shortwave over Texas resulted in a deep low over the Lower Ohio Valley. North and west of the low track, rain transitioned to snow very late at night and continued through the morning.

MOZ076-086-100-107>112-114

Bollinger - Butler - Cape Girardeau - Carter - Mississippi - New Madrid - Perry - Ripley - Scott - Stoddard - Wayne

28	1200CST 1500CST				0	0	11.0K	0.00K	Strong Wind
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A strong pressure gradient between an approaching cold front to the west and high pressure over the southeast U.S. produced strong southwest winds. The highest measured peak wind gust was 49 mph at the Cape Girardeau airport. There was a peak gust to 46 mph at the Poplar Bluff airport.

MISSOURI, Southwest

MOZ077

Barton

18	1400CST 1800CST				0	0	0.00K	0.00K	Wildfire
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A wildfire near Lamar was started by someone burning debris which became difficult to control due to elevated fire weather conditions.

Storm Data and Unusual Weather Phenomena

February 2016

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

Taney County Forsyth

21	0105CST				0	0	0.00K	0.00K	Hail (0.88)
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Penny to nickel size hail was reported in Forsyth via social media. Time was estimated by radar.

An isolated strong thunderstorm produced sub severe hail.

MOZ068

Hickory

28	1730CST 2130CST				0	0	10.0K	0.00K	Wildfire
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An arsonist started a wildfire which became out of control due to elevated fire weather conditions.

MONTANA, Central

MTZ048

Southern Rocky Mountain Front

05	2100MST				0	0	0.00K	0.00K	High Wind
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MTZ009>015-044> 047-049>051-053> 055

Blaine - Broadwater - Cascade - Chouteau - Eastern Glacier - Eastern Pondera - Eastern Teton - Fergus - Gallatin - Hill - Judith Basin - Liberty - Madison - Meagher - North Rocky Mountain Front - Southern Lewis and Clark - Toole

06	0522MST 2021MST				0	0	0.00K	0.00K	High Wind
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A vigorous short wave trough and associated surface cold front moved rapidly across North Central Montana during early morning on the 6th. The tight surface pressure gradient, combined with strong subsidence behind the front, resulted in strong winds across North Central and portions of southwest Montana. Wind gusts in excess of 60 mph were common.

MTZ048

Southern Rocky Mountain Front

14	2230MST				0	0	0.00K	0.00K	High Wind
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MTZ008-014-052- 055

Beaverhead - Broadwater - Gallatin - Jefferson - Southern Lewis and Clark

15	0518MST 1603MST				0	0	0.00K	0.00K	High Wind
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A strong core of northwest flow aloft, along with short wave energy embedded within this flow, resulted in strong winds across portions of central and southwest Montana. Short wave energy provided good lift in the unstable northwest flow aloft resulting in convective showers that helped mix the high winds down to the surface. Wind gusts in excess of 60 mph were reported.

MTZ012-050-055

Cascade - Gallatin - Judith Basin

18	1242MST 1403MST				0	0	0.00K	0.00K	High Wind
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MTZ047-051

Blaine - Fergus

19	0905MST 0945MST				0	0	0.00K	0.00K	High Wind
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Winds aloft increased as an upper trough moved east of the Continental Divide during the afternoon hours of February 18. Strong pressure rises behind the trough passage produced a tight surface gradient. The resulting high winds produced gusts in excess of 60 mph across portions of the eastern plains.

Storm Data and Unusual Weather Phenomena

February 2016

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

MTZ017-020

Central and Southern Valley - Western Roosevelt

01	0453MST 1000MST				0	0	0.00K	0.00K	Dense Fog
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As low-level clouds suddenly cleared, dense fog formed over lower-lying areas along and near the Milk and Missouri River valleys through the morning hours, basically stretching from Saco in the west to Poplar in the east.

MTZ016-019-022-024>025-027-060

Central and Southeast Phillips - Central and Southern Valley - Dawson - Garfield - Little Rocky Mountains - Richland - Sheridan - Wibaux

06	0830MST 0509MST				0	0	0.00K	0.00K	High Wind
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MTZ018-020

Daniels - Western Roosevelt

07	0237MST 0505MST				0	0	0.00K	0.00K	High Wind
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A strong low pressure system to our northeast and a strong high pressure system to our southwest created conditions favorable for hazardous winds across most of northeast Montana.

MTZ017-023-060

Central and Southern Valley - Little Rocky Mountains - McCone

13	0800MST 1400MST				0	0	0.00K	0.00K	Winter Weather
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MTZ020

Western Roosevelt

13	1000MST 1400MST				0	0	0.00K	0.00K	Ice Storm
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MTZ018-025

Daniels - Dawson

13	1030MST 1700MST				0	0	0.00K	0.00K	Winter Weather
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MTZ062

Eastern Roosevelt

13	1130MST 1330MST				0	0	0.00K	0.00K	Ice Storm
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MTZ019-024-027

Richland - Sheridan - Wibaux

13	1130MST 1300MST				0	0	0.00K	0.00K	Winter Weather
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Precipitation from a northern Rockies weather system moved across northeast Montana just ahead of a warm front. The lingering surface temperatures below freezing set up perfect conditions for accumulating freezing rain and ice during the Saturday morning hours.

MTZ017>019

Central and Southern Valley - Daniels - Sheridan

16	2057MST				0	0	0.00K	0.00K	Dense Fog
17	1430MST				0	0	0.00K	0.00K	Dense Fog

MTZ020-025

Dawson - Western Roosevelt

17	0135MST 0615MST				0	0	0.00K	0.00K	Dense Fog
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Storm Data and Unusual Weather Phenomena

February 2016

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

MTZ017-019-020

Central and Southern Valley - Sheridan - Western Roosevelt

18	0301MST								
	1915MST				0	0	0.00K	0.00K	Dense Fog

Multiple periods of dense fog occurred across portions of northeast Montana over a 3-day period.

MTZ016-060

Central and Southeast Phillips - Little Rocky Mountains

18	2020MST								
19	1330MST				0	0	0.00K	0.00K	High Wind

MTZ017-020-022-024-027

Central and Southern Valley - Dawson - Garfield - Richland - Western Roosevelt - Wibaux

19	1000MST								
	1544MST				0	0	0.00K	0.00K	High Wind

With strong mid- and low-level winds over the region, atmospheric conditions were favorable to allow much of those stronger winds to reach the surface amid a tight pressure gradient.

MONTANA, South

MTZ034

Northern Stillwater

01	2145MST				0	0	0.00K	0.00K	Winter Weather
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Two people died in a fiery wreck involving a pickup and a semi on February 1st. The crash occurred on Interstate 90 near mile marker 430 just east of Park City, Montana about 945 pm. The occupants of the pickup died after the vehicle was passing slower traffic in the westbound lanes and the driver lost control in slick conditions. The pickup traveled through the median and into the eastbound lanes where it was struck by a semi. The pickup burst into flames. The semi driver, a 59-year-old Missoula man attempted to fight the flames with a fire extinguisher but could not save the people in the pickup.

MTZ028

Southern Wheatland

05	2300MST								
06	1600MST				0	0	0.00K	0.00K	High Wind

MTZ029-031>033-035>037-041>042-057-063

Carter - Custer - Fallon - Golden Valley - Judith Gap - Musselshell - Northern Big Horn - Northern Rosebud - Northern Sweet Grass - Powder River - Yellowstone

06	1100MST								
	1400MST				0	0	0.00K	0.00K	High Wind

A strong February Pacific front swept across the Billings Forecast Area the 5th through the 6th. Strong pressure rises were noted behind the front. These pressure rises combined with steep lapse rates resulted in strong wind gusts across portions of the Billings Forecast Area.

MTZ028-032>034

Custer - Fallon - Musselshell - Northern Stillwater - Southern Wheatland

18	1700MST								
19	2340MST				0	0	0.00K	0.00K	High Wind

MTZ039-041-063

Eastern Carbon - Judith Gap - Northern Sweet Grass

19	0029MST								
	0900MST				0	0	0.00K	0.00K	High Wind

Another unusually strong February Pacific front blasted across the Billings Forecast Area on February 18th and 19th. Strong pressure rises were noted behind the front. These strong pressure rises combined with steep lapse rates resulted in high winds to many areas across the Billings Forecast Area.

Storm Data and Unusual Weather Phenomena

February 2016

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

MTZ004

Lower Clark Fork Region

02	1000MST				0	0			Winter Storm
	1430MST								

A persistent snow band during the morning hours of February 2 led to severe driving conditions being declared for portions of I -90 in Mineral County, Montana. Favorable west to northwest uni-directional winds aloft lead to multiple quasi-stationary bands that created multiple-inch accumulations on roadways.

NEBRASKA, Central

NEZ022-035>037-056>059-069>070

Arthur - Chase - Deuel - Garden - Hayes - Keith - Lincoln - Logan - McPherson - Perkins

01	0600MST								
02	1700MST				0	0	0.00K	0.00K	Winter Storm

NEZ029-038-071

Custer - Frontier - Wheeler

01	1200CST								
02	1800CST				0	0	0.00K	0.00K	Blizzard

NEZ010-026>028

Blaine - Garfield - Holt - Loup

01	1800CST								
02	2300CST				0	0	0.00K	0.00K	Winter Storm

A strong winter storm moved across the region on February 1st and 2nd and produced heavy snowfall amounts of 8 to 15 inches across portions of western and north central Nebraska. Strong northerly winds of 30 to 40 mph with occasional gusts to 50 mph caused considerable blowing and drifting snow with blizzard or near blizzard conditions. Interstate 80 and many other roads were closed on February 2nd and did not reopen until February 3rd.

NEZ005>010-024>029-037>038-094

Blaine - Boyd - Brown - Custer - Eastern Cherry - Garfield - Holt - Hooker - Keya Paha - Logan - Loup - Rock - Thomas - Western Cherry - Wheeler

07	0900CST								
	1800CST				0	0	0.00K	0.00K	High Wind

A strong storm system produced high winds across portions of western and north central Nebraska during the late morning and afternoon hours on February 7th. Northwest winds of 30 to 40 mph with occasional gusts to around 60 mph occurred at some locations.

NEZ004>006-010-022-057-059-069>071-094

Chase - Eastern Cherry - Frontier - Garden - Hayes - Holt - Keith - Keya Paha - Lincoln - Sheridan - Western Cherry

18	2000MST								
19	1200MST				0	0	0.00K	0.00K	High Wind

A strong Pacific cold front moved quickly across portions of western and north central Nebraska during the late evening and overnight hours on February 18th-19th. West winds of 30 to 40 mph with occasional gusts to around 60 mph occurred at some locations.

NEBRASKA, East

NEZ030-031

Boone - Madison

01	2300CST								
03	0100CST				0	0	0.00K	0.00K	Blizzard

NEZ016-032-042

Antelope - Pierce - Platte - Stanton

02	0000CST								
03					0	0	0.00K	0.00K	Blizzard

Storm Data and Unusual Weather Phenomena

February 2016

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

NEZ066-078

Cass - Lancaster - Saline

02	0200CST								
03	0000CST				0	0	0.00K	0.00K	Winter Storm

NEZ018-043-050-065

Butler - Colfax - Dodge - Seward - Wayne

02	0300CST								
03	0000CST				0	0	0.00K	0.00K	Blizzard

NEZ045-051>053

Douglas - Sarpy - Saunders - Washington

02	0300CST								
03	0000CST				0	0	0.00K	0.00K	Winter Storm

NEZ011-015-033>034

Burt - Cedar - Cuming - Knox - Thurston

02	0400CST								
03	0100CST				0	0	0.00K	0.00K	Blizzard

A strong jet stream moved into the southwest United States on Monday February 1st, and then into the plains on Tuesday February 2nd. This created an intense area of low pressure over the Plains that moved from the Oklahoma Panhandle into Kansas and eventually into northern Missouri. Ahead of the area of low pressure, snow spread into Nebraska and Iowa early in the morning on Tuesday. The snowfall quickly intensified with some thunder and lightning reported in parts of eastern Nebraska and western Iowa. The heavy snow continued through the day on Tuesday, especially in northeast Nebraska and west central Iowa, before tapering to flurries Tuesday night. In addition to the heavy snowfall strong winds develop with speeds of 20 to 30 mph with gusts to 45 mph created significant blowing and drifting and blizzard conditions in parts of the area. This resulted in the closing of Interstate 80 west of Lincoln.

NEZ031

Madison

19	0412CST								High Wind
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A potent and fast moving storm system cross the northern Plains during the early morning hours on February 19th. The system didn't bring any precipitation to the area, but the cold front associated with the system brought strong winds to the area.

NEBRASKA, Extreme Northeast

NEZ013-014

Dakota - Dixon

02	0400CST								
03					0	0	0.00K	0.00K	Blizzard
03	0400CST				0	0	0.00K	0.00K	Winter Weather
	1200CST								

NEZ014

Dakota

03	0400CST								
	1200CST				0	0	0.00K	0.00K	Winter Weather

Heavy snow in extreme northeast Nebraska was accompanied by north to northwest winds reaching sustained speeds near 30 mph with gusts above 40 mph. The combination of snow and wind caused blizzard conditions from February 2nd into the predawn hours of February 3rd, with widespread visibilities near zero, bringing travel to a halt.

07	2000CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

Northerly winds gusting to around 50 mph combined with existing snow cover and light snowfall to cause areas of blowing snow.

NEZ013-014

Dakota - Dixon

19	0500CST								
	1000CST				0	0		0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

Strong and gusty westerly winds behind a cold front caused sustained winds above 40 mph, with some gusts above 70 mph, in extreme northeast Nebraska during the morning of February 19th.

NEBRASKA, Extreme Southwest

NEZ079

Dundy

01	0930MST								
02	1000MST			0	0	0.00K	0.00K	Heavy Snow	

Snowfall started across Southwest Nebraska during the morning. Snowfall amounts ranged from 9 to 12 inches across Dundy county, with higher amounts to the east. Near zero visibility was reported in Benkelman at one point during the storm.

NEZ080-081

Hitchcock - Red Willow

02	0100CST								
	1500CST			0	0	0.00K	0.00K	Blizzard	

Widespread snowfall spread across Hitchcock and Red Willow counties during the second day of February. Wind speeds in the 50-55 MPH range, combined with the falling snow, caused blizzard conditions to develop across both counties on the second. Snowfall totals ranged from 13-18, with the highest amount reported at McCook.

NEZ079>081

Dundy - Hitchcock - Red Willow

18	2110MST								
19	2310MST			0	0	0.00K	0.00K	High Wind	

During the night a strong cold front moved through Yuma county. High winds moved in behind the cold front. The highest wind gust reported was 62 MPH at the McCook airport and near Stratton.

NEBRASKA, South Central

NEZ082

Furnas

02	0100CST								
	1800CST			0	0	0.00K	0.00K	Blizzard	

NEZ087

Thayer

02	0100CST								
	2130CST			0	0	0.00K	0.00K	Winter Storm	

NEZ039>041-046> 049-060>064-072> 077-083>086

Adams - Buffalo - Clay - Dawson - Fillmore - Franklin - Gosper - Greeley - Hall - Hamilton - Harlan - Howard - Kearney - Merrick - Nance - Nuckolls - Phelps - Polk - Sherman - Valley - Webster - York

02	0200CST								
	1900CST			0	0	0.00K	0.00K	Blizzard	

One of the most significant winter storms/blizzards on record slammed this 24-county South Central Nebraska area during the first two days of February, with the vast majority of impacts occurring on Tuesday the 2nd as a crippling combination of heavy snow and strong winds brought travel and commerce to a halt. Among numerous other road closures, Interstate 80 was shut down for roughly 24 hours between Lincoln and North Platte. In terms of snow totals alone, this ranked as the second-biggest storm on record for Grand Island (18.3 inches) and was the fourth-largest, two-day storm on record at Hastings (15.7). During the height of the storm during the pre-dawn and daytime hours of the 2nd, sustained winds across most of the area averaged 30-40 MPH with gusts commonly 40-50 MPH, initially out of the northeast but gradually shifting more north-northwest with time. Factoring in the widespread impacts of blizzard/whiteout conditions and drifting snow over such a large area, this was easily the worst winter storm to impact South Central Nebraska in over six years, since the Christmas Blizzard of 2009. Just in Hall County alone, snow removal and other public works related costs tallied over \$438,000. Given that this storm primarily struck on Feb. 2nd, many will remember it as the Groundhog Day Blizzard of 2016.

Storm Data and Unusual Weather Phenomena

February 2016

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

According to dozens of NWS cooperative observers, the majority of the 24-county area accumulated snow totals between 10-16, with a few of the highest official amounts featuring 18.3 at Grand Island, 18.0 at Wilsonville and 16.5 at Holdrege. Only the extreme southeast corner of the local area was spared the worst conditions, as much of Fillmore and especially Thayer counties only saw 5-8 inches. Also in the Thayer County area, winds were not quite as intense through most of the event, with less in the way of true-blizzard conditions. In terms of liquid equivalent precipitation, this storm helped propel many locations to a top-10 wettest meteorological winter on record thanks to liquid totals ranging from 0.70-1.60 in most places, and as high as 1.81 in Grand Island.

Breaking down the timing and meteorological background of this two-day event, the initial bands of generally light snow started sneaking into the area from the southwest during the pre-dawn and daytime hours of the 1st, driven mainly by broad mid-level lift well out ahead of the primary large-scale trough approaching from the Intermountain West. By sunset, several western counties such as Furnas, Gosper and Phelps had already picked up 2-4 of snow, but winds were still fairly light with sustained speeds generally around 15 MPH. By around midnight, additional bands of light to moderate snow had boosted totals as high as 7 in far southwestern locations such as Cambridge, but most of South Central Nebraska had 2 or less. During the pre-dawn hours of the 2nd, conditions went downhill fast as an organized, large band of moderate to heavy snow lifted across the area from south-to-north, driven by increasing synoptic-scale forcing to the north of a powerful, closed mid-level low churning into southwestern Kansas. At the same time, northeast winds ramped up considerably in response to surface low pressure deepening to around 994 millibars over central Kansas by daybreak. By 6-7 a.m., full-blown blizzard conditions were solidly in place across most of the local area, with 11.8 of snow reported at Cambridge, 10 at Holdrege and 6 at places such as Grand Island, Hastings and Osceola. During the day, blizzard conditions raged on across most of the area as the nearly vertically-stacked, powerhouse low pressure system tracked to the NE/KS/IA/MO border area by sunset. Central locations such as Grand Island ended up receiving some of the highest snow totals as they spent the most time under enhanced snow bands within the main deformation zone on the backside of the departing low. In contrast, far southeast counties (namely Thayer) saw reduced snow coverage/intensity as a mid-level dry slot nosed up from the south. By mid-evening, the vast majority of accumulating snow had ended as the surface and upper-level storm system departed into Iowa. However, travel remained treacherous thanks to northerly winds still gusting 35-45 MPH. Fortunately, winds eased considerably during the overnight hours, and by daybreak on the 3rd sustained speeds were down to 10-15 MPH in most areas.

From a forecast perspective, this event was an overall victory. The initial Winter Storm Watch came out nearly three days in advance of the worst conditions and the first Blizzard and Winter Storm Warnings were issued over 36 hours before the main impacts began. In addition, although the details certainly evolved with time, this was one of those fairly rare instances when computer models correctly latched onto the likelihood for a high-impact winter storm more than a week in advance.

NEZ039

Valley

19	0325CST	0	0	0.00K	0.00K	High Wind
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A somewhat rare, late-night high wind event swept from west-to-east across South Central Nebraska primarily between midnight-4 a.m. on this Friday, featuring at least a brief period of sustained west winds of generally 30-40 MPH and gusts mainly into the 45-55 MPH range. Although most automated weather sensors fell at least slightly short of breaching high wind warning criteria, Ord airport recorded a peak wind gust of 59 MPH at 3:25 a.m. Other peak gusts of at least 50 MPH at area airports included: 53 MPH at Kearney, 51 MPH at Hastings and Aurora, and 50 MPH at Grand Island. Although noticeably breezy conditions persisted well into the daylight hours, any lingering 40+ MPH gusts abated by sunrise. No precipitation fell during this event.

Unlike most cold season high wind episodes that occur during the day, this one was driven by unusually strong low-level winds and pressure rises/downward momentum transfer behind an eastward-surging cold front. This front trailed southward from a deep, roughly 990 millibar surface low that tracked across northern South Dakota during the night. In the mid-levels, and slightly south of the surface low track, a compact-but-strong disturbance moved along the NE/SD border area. One of the most striking features of this event was the intensity of winds a few thousand feet above the surface, as speeds at the 850 millibar level peaked at 60-80 knots. Fortunately, limited nocturnal mixing was unable to usher the full ferocity of these potentially very damaging winds down to the surface.

NEBRASKA, West

NEZ003-019>021-054>055-095>096

Banner - Box Butte - Cheyenne - Kimball - Morrill - North Sioux - Scotts Bluff - South Sioux

01	0200MST					
02	1200MST	0	0	0.00K	0.00K	Winter Storm

A strong low pressure system impacted the central Rockies with periods of moderate to heavy snowfall and gusty east to northeast winds of 30 to 40 mph. The combination of falling and blowing snow created poor visibilities and snow-packed roadways. Snow totals ranged from six to 18 inches, heaviest along the Interstate 80 corridor, which was closed due to winter driving conditions.

NEZ002-019>021-095>096

Banner - Box Butte - Dawes - Morrill - North Sioux - Scotts Bluff - South Sioux

07	0915MST					
	1555MST	0	0	0.00K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

NEBRASKA, West

A large surface pressure gradient and vigorous low pressure system moving across Montana and the Dakotas generated high winds across portions of the Nebraska Panhandle.

NEZ019-054-096

Kimball - Scotts Bluff - South Sioux

18	1820MST 2050MST				0	0	0.00K	0.00K	High Wind
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NEZ020

Banner

18	1855MST 2115MST				0	0	0.00K	0.00K	Avalanche
18	1900MST								
19	0415MST				0	0	0.00K	0.00K	High Wind

NEZ002-019-021-055-095

Box Butte - Cheyenne - Dawes - Morrill - North Sioux - Scotts Bluff

18	1915MST 2353MST				0	0	0.00K	0.00K	High Wind
19	0115MST				0	0	0.00K	0.00K	High Wind

NEZ002

Dawes

19	1253MST				0	0	0.00K	0.00K	High Wind
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A prolonged period of widespread high winds developed across the western Nebraska Panhandle. There were frequent gusts of 60 to 70 mph observed.

NEVADA, North

NVZ038

Southwestern Elko

17	1900PST 2000PST				0	0	2.0K	0.00K	Strong Wind
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NVZ033

Extreme east Elko

18	0730PST 1200PST				0	0	0.00K	0.00K	High Wind
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A strong cold front brought high winds to portions of southern Elko county. The Pilot Peak mesonet site along Interstate 80 recorded a peak wind gust of 66 mph. A mesonet site near West Wendover recorded a gust to 60 mph. Strong winds also blew down a large sign at the Double Dice RV Park in Elko.

NEVADA, South

NVZ014-015

Esmeraldo/Central Nye - Lincoln County except the Sheep Range

01	0000PST 0600PST				0	0	0.00K	0.00K	Heavy Snow
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A strong Pacific storm system brought high winds to the Owens Valley and Mojave Desert, high winds and severe thunderstorms to the Mojave Desert, and heavy snow to the southern Great Basin. The episode began in January.

NVZ017-019

Spring Mountains - Western Clark/Southern Nye

17	1545PST 1800PST				0	0	0.00K	0.00K	High Wind
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Storm Data and Unusual Weather Phenomena

February 2016

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

NVZ014-019-020

Esmeraldo/Central Nye - Las Vegas Valley - Spring Mountains

18	0830PST				0	0	2.0K	0.00K	High Wind
	1334PST								

A strong Pacific storm system brought locally high winds to the Mojave Desert.

NEVADA, West

NVZ003

Greater Reno/Carson City/Minden Area

17	1200PST				0	0		0.00K	High Wind
	1700PST								

NVZ002-003

Greater Lake Tahoe Area - Greater Reno/Carson City/Minden Area

17	2000PST				0	0	0.00K	0.00K	Heavy Snow
18	1100PST								

A potent cold front brought strong, damaging winds along with heavy snowfall to portions of far western Nevada and the northern Sierra/Carson Range.

NEW HAMPSHIRE, North and Central

NHZ009-012>015

Belknap - Coastal Rockingham - Hillsborough - Interior Rockingham - Strafford - Western and Central Hillsborough

05	0400EST				0	0	0.00K	0.00K	Heavy Snow
	1700EST								

An elongated area of low pressure stretching from the outer banks of North Carolina to the Gulf of Maine on the morning of the 5th intensified as it moved rapidly northeast during the day. The storm brought a moderate to heavy snowfall to the southeastern part of the state with little or no snow in the northern mountains and along the Connecticut River Valley. Snowfall amounts in the southeastern part of the State generally ranged from 4 to 10 inches with coastal areas seeing the most snow.

NHZ014

Coastal Rockingham

08	1100EST				0	0	0.00K	0.00K	Winter Storm
09	0300EST								

An area of low pressure off the South Carolina coast on the morning of the 7th intensified rapidly as it moved slowly northeast in the Atlantic on the 7th and 8th. By the morning of the 8th, the low was just east of Nova Scotia. Although the storm track was well out to sea, the large storm brushed the Seacoast area with about 4 to 7 inches of snow.

09	1056EST				0	0	75.0K	0.00K	Coastal Flood
	1200EST								

Flooding occurred along the coast of New Hampshire on February 9th as an intense storm passed east of the Canadian Maritimes during a period of high astronomical tides. Large, long-period swells combined with a storm surge between one and two feet to lead to splash-over and coastal flooding. Moderate splash-over occurred on Ocean Boulevard at Bicentennial Park with areal flooding in the Backbay area.

NHZ002

Southern Coos

25	0000EST				2	0	0.00K	0.00K	Cold/Wind Chill
	0600EST								

High winds and heavy rain accompanied a major storm system that moved through New Hampshire late in the day on the 24th and in the early morning hours of the 25th. A 54-year-old professional trail guide who was hiking in the mountains near Mt. Washington died of hypothermia during the storm. His frozen body was discovered several days later close to tree line. Although the time and date of his death are not known, he likely perished during the early morning hours of the 25th when a cold, wind-driven heavy rain pelted the area. During that time, the summit of Mt. Washington reported thunderstorms, heavy rain, temperatures in the 30s, and wind gusts up to 115 mph. M54CA

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW HAMPSHIRE, North and Central

Grafton County

1 NNW Riverside Arpt

25	0241EST 1800EST				0	0	0.00K	0.00K	Flood
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Heavy rain of 1 to 3 inches caused minor flooding on the Pemigewasset River at Plymouth, (flood stage 13.0 ft) which crested at 13.62 ft.

Grafton County

Woodstock

25	0607EST 0842EST				0	0	0.00K	0.00K	Flood
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Heavy rain of 1 to 3 inches produced minor flooding on the Pemigewasset River at Woodstock, (flood stage 9.0 ft) which crested at 9.29 ft.

Merrimack County

1 NE North Chichester

25	0705EST				0	0	0.00K	0.00K	Flood
26	2337EST				0	0	0.00K	0.00K	Flood

Heavy rain of 1 to 3 inches resulted in minor flooding on the Suncook River in North Chichester, (flood stage 7.0 ft) which crested at 8.81 ft.

On February 24th, low pressure moving northeast out of the Ohio Valley resulted in 1 to 3 inches of rainfall across New Hampshire. Minor flooding occurred on the Suncook and Pemigewasset Rivers.

NEW JERSEY, Northeast

NJZ002-105

Western Essex - Western Passaic

05	0400EST 1200EST				0	0	0.00K	0.00K	Winter Weather
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Low pressure developing along a cold front moving through the region on Thursday February 4th moved off the southern Mid Atlantic coast on Friday February 5th, bringing locally heavy snow to parts of interior Northeast New Jersey on the fifth.

NJZ103-104

Eastern Bergen - Western Bergen

16	1200EST 1500EST				0	0	40.0K	0.00K	Strong Wind
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Strong winds occurred ahead of an area of low pressure and associated frontal boundary.

NJZ104-106

Eastern Bergen - Eastern Essex

24	2000EST 0000EST				0	0	140.0K	0.00K	Strong Wind
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Strong winds occurred behind the passage of a warm front, and ahead of a cold front.

Union County

1 N Clark

24	2343EST				0	0	0.00K	0.00K	Flash Flood
25	0013EST				0	0	0.00K	0.00K	Flash Flood

A vehicle was stalled in flood water on Massachusetts Street in Westfield.

A strong area of low pressure passing west of the area produced heavy rain that lead to isolated flash flooding across portions of Union County, New Jersey.

Bergen County

1 W Mahwah

25	0230EST 2245EST				0	0	0.00K	0.00K	Flood
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The Ramapo River at Mahwah, NJ exceeded its flood stage of 8.0 feet at 2:30am EST, crested at 8.30 feet at 1:30pm EST, and fell back below flood stage at 10:45pm EST on February 25.

A strong area of low pressure passing west of the area produced heavy rain that lead to isolated river flooding across portions of Bergen County, New Jersey.

Storm Data and Unusual Weather Phenomena

February 2016

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

NEW JERSEY, South and Northwest

NJZ001-008>010-012>015-017>023-026

Camden - Cumberland - Eastern Monmouth - Eastern Ocean - Gloucester - Hunterdon - Mercer - Middlesex - Morris - Northwestern Burlington - Somerset - Sussex - Western Atlantic - Western Cape May - Western Monmouth - Western Ocean

05	0100EST 0700EST			0	0			Winter Weather
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Precipitation associated with a low pressure system moving north along a nearby offshore front began as light rain during the evening hours on the 4th, then turned to snow from northwest to southeast during the overnight hours. Locations near the shore received more precipitation, and more snow, given their closer proximity to the storm. A heavy, wet snow began accumulating before or near the beginning of the morning rush, and so transportation was effected until the snow was able to turn mush on area roads with increased traffic.

Jersey Central power reported more than 6,200 customers without power in Monmouth County. 1,500 in Freehold Twp, 1,400 in Aberdeen Twp and 1,700 without power in Ocean County.

NJZ012>014-020-022-025>027

Eastern Atlantic - Eastern Monmouth - Eastern Ocean - Middlesex - Southeastern Burlington - Western Atlantic - Western Monmouth - Western Ocean

08	0630EST 0830EST			0	0			Coastal Flood
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A strong onshore flow associated with an intense low pressure system moving north just off the mid-Atlantic coast, in combination with a new moon, produced moderate coastal flooding during the morning high tide on February 9th.

09	0655EST 0850EST			0	0			Coastal Flood
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NJZ012>014-022-025>027

Eastern Atlantic - Eastern Monmouth - Eastern Ocean - Middlesex - Southeastern Burlington - Western Atlantic - Western Monmouth

09	0655EST 0920EST			0	0			Coastal Flood
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An onshore flow associated with low pressure along the mid-Atlantic coast, in combination with a new moon, produced moderate coastal flooding during the morning high tide on February 9th. Multiple roadways were flooded on Long Beach Island and Ocean City due to coastal flooding. Roads and bridges were also closed in Atlantic and Cape May Counties due to tidal flooding.

Immediately in the wake of a much stronger storm system moving northeast away from the area, another weaker low pressure system developed along the mid-Atlantic coast on February 9th. This surface low, in combination with a broad mid-level trough over the northeast quadrant of the country, produced periods of snow beginning in the mid-morning hours on the 9th and ending a few hours after midnight on the 10th. A few light snow showers redeveloped during the late morning hours on the 10th with little or no additional accumulation. Generally between one-half inch and 2 inches fell across the Garden State, with nothing at the shore. Some of the highest snowfall amounts reported in each county include 0.3 inches near Estelle Manor (Atlantic County), 1.9 inches in Mount Laurel (Burlington County), 2.2 inches in Lindenwold (Camden County), 0.2 inches in Middle Township (Cape May County), 1.8 inches in Vineland (Cumberland County), 0.6 inches in Monroe Township (Gloucester County), 2.8 inches near Stockton (Hunterdon County), 1.8 inches in Ewing (Mercer County), 1.0 inches near South Brunswick (Middlesex County), 0.7 inches in Manasquan (Monmouth County), 0.8 inches in Washington Township (Morris County), 1.1 inches in Berkeley Township (Ocean County), 1.5 inches near Pennsville (Salem County), 0.9 inches in Hillsborough Township (Somerset County), 0.5 inches in Wantage Township (Sussex County), and 2.0 inches in Stewartsville (Warren County).

NJZ001

Sussex

13	1515EST							
14	0800EST			0	0			Extreme Cold/Wind Chill

Bitter cold temperatures and strong northwest winds associated with an Arctic outbreak combined to create dangerous wind chill temperatures across the entire northeast quadrant of the county beginning Saturday morning, February 13th into Sunday afternoon, February 14th. Below zero minimum temperatures were common along and north of the I-78 corridor. By sunrise Sunday morning, actual air temperatures ranged from 12 degrees below zero at High Point (Sussex County) to 13 degrees above zero at Cape May Point. Wind chill values at this same time ranged from -46 degrees at High Point to 10 degrees above zero near the waters of the back bays near the coast. Recorded low temperatures for Sunday, February 14th (with the record low temperature for the date in parenthesis) are as follows: 4 degrees at Trenton (4), and 7 degrees at Atlantic City (minus 6).

Many local governments across the area set up Code Blue shelters for the vulnerable population.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

NJZ018

Camden

14	0035EST 0108EST				0	0	0.00K		Astronomical Low Tide
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A strong northwesterly wind created near blowout tide conditions along the New Jersey coast and Delaware Bay at the times of low tide late Saturday night into early Sunday morning February 13/14, and again with the next low tide late Sunday morning into early Sunday afternoon. The tidal Delaware River did reach blow-out tide conditions Saturday night, but fell short of blowout tide conditions at the time of low tide early Sunday afternoon.

NJZ007>010-012> 013-015-017>018- 020>021

Camden - Cumberland - Gloucester - Hunterdon - Mercer - Middlesex - Morris - Somerset - Warren - Western Monmouth - Western Ocean

14	0100EST 0930EST				0	0	0.00K	0.00K	Cold/Wind Chill
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Bitter cold temperatures and strong northwest winds associated with an Arctic outbreak combined to create dangerous wind chill temperatures across the entire northeast quadrant of the county beginning Saturday morning, February 13th into Sunday afternoon, February 14th. Below zero minimum temperatures were common along and north of the I-78 corridor. By sunrise Sunday morning, actual air temperatures ranged from 12 degrees below zero at High Point (Sussex County) to 13 degrees above zero at Cape May Point. Wind chill values at this same time ranged from -46 degrees at High Point to 10 degrees above zero near the waters of the back bays near the coast. Recorded low temperatures for Sunday, February 14th (with the record low temperature for the date in parenthesis) are as follows: 4 degrees at Trenton (4), and 7 degrees at Atlantic City (minus 6). Many local governments across the area set up Code Blue shelters for the vulnerable population.

NJZ015

Mercer

14	0155EST 0242EST				0	0	0.00K		Astronomical Low Tide
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A strong northwesterly wind created near blowout tide conditions along the New Jersey coast and Delaware Bay at the times of low tide late Saturday night into early Sunday morning February 13/14, and again with the next low tide late Sunday morning into early Sunday afternoon. The tidal Delaware River did reach blow-out tide conditions Saturday night, but fell short of blowout tide conditions at the time of low tide early Sunday afternoon.

NJZ001-007>010- 012>013-015-017> 021-023-027

Camden - Cumberland - Gloucester - Hunterdon - Mercer - Middlesex - Morris - Northwestern Burlington - Somerset - Southeastern Burlington - Sussex - Warren - Western Cape May - Western Monmouth - Western Ocean

15	0400EST 0700EST				0	0			Winter Weather
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Precipitation from a low pressure system moving north from the Tennessee River Valley began as snow early Monday as it ran into colder air established over the area the previous few days. A strong southerly flow associated with this low brought with it very warm air, which turned the snow over to freezing rain, then plain rain, from south to north Monday night and early Tuesday.

Cumberland County 1 E Cumberland

16	1215EST				0	0			Thunderstorm Wind (50EG)
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Severe wind gusts associated with a cold front moving through the area knocked down numerous trees and wires, which in turn caused numerous power outages.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Salem County 2 E Olivet

16	1223EST				0	0			Thunderstorm Wind (56EG)
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Severe wind gusts associated with a cold front moving through the area knocked down trees and caused power outages in the Pittsgrove / Elmer area of Salem County.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

Gloucester County

1 E Clayton

16	1233EST				0	0			Thunderstorm Wind (52EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Severe wind gusts associated with a cold front moving through the area knocked down multiple trees and wires on Delsea Drive near Clayton.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Gloucester County

1 W New Sharon

16	1236EST				0	0			Thunderstorm Wind (52EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Severe wind gusts associated with a cold front moving through the area brought down trees and traffic lights on Delsea Drive in Deptford Township. A wind gust of 47 mph was measured at Philadelphia International Airport with this cold front at 1238EST just across the Delaware River.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Gloucester County

1 S Colonial Manor

16	1237EST				0	0			Thunderstorm Wind (52EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Severe wind gusts associated with a cold front moving through the area knocked down numerous trees on Cooper Street in Woodbury.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Camden County

1 E Brooklawn

16	1240EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Severe wind gusts associated with a cold front moving through the area knocked down numerous trees and wires in Bellmawr. There was roof damage to 4 separate homes in the area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Camden County

1 E Brooklawn

16	1241EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

A sports scoreboard for Gloucester City High School was blown over by severe winds associated with a cold front moving through the area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Camden County

1 N Gloucester Hgts

16	1242EST				0	0	0.00K		Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	--	--------------------------

Severe wind gusts associated with a cold front moving through the area knocked down several trees and wires in Gloucester City.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Camden County

1 NE Camden

16	1244EST				0	0	0.50K		Thunderstorm Wind (48EG)
----	---------	--	--	--	---	---	-------	--	--------------------------

A tractor trailer was blown onto its side on the Camden side of the Walt Whitman Bridge as a squall line moved through.

Note: The estimated wind gust of 48 knots is equivalent to 55 mph.

Camden County

1 S Pennsauken

16	1246EST				0	0			Thunderstorm Wind (50EG)
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Severe wind gusts associated with a cold front moving through the area brought down trees and wires in Camden.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Cumberland County

2 ENE South Vineland

16	1300EST 1500EST				0	0			Heavy Rain
----	--------------------	--	--	--	---	---	--	--	------------

Heavy rain associated with a cold front moving through the area produced flooding on all roads and secondary roads.

A strong cold front moved west to east through New Jersey late Tuesday morning and early Tuesday afternoon. Heavy downpours associated with this front brought strong to severe wind gusts down to the surface, causing property damage in some places. No lightning, and hence no thunderstorms, were associated with these strong to severe wind gusts. Widespread street flooding was reported due to heavy rain in a short period of time, and some small stream flooding developed as a result of heavy rain and snowmelt.

Gloucester, Cumberland and Salem counties were hardest hit with top wind gusts estimated at 70 mph. Trees and power lines were knocked down as well in several locations including Mantua and Deptford. In Gloucester city, a scoreboard outside Gloucester city Junior-Senior high school was blown down County roads were blocked due to Trees in Salem County and a truck was blown over in Camden County near the Walt Whitman Bridge and a billboard was knocked down as well. Thousands were left without power due to the strong wind gusts. Around 30,000 customers lost power.

Some minor flooding was noted in New Brunswick (Middlesex County) on the ramp from George street to route 18. Also minor flooding was reported on Delsea dr. in Gloucester County.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Property Damage	Crops	Character of Storm
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NEW JERSEY, South and Northwest

NJZ001

Sussex

23	2045EST 2300EST				0	0			Winter Weather
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Precipitation and warmer air moving in over colder air near the surface produced light freezing rain during the late evening hours on the 23rd. Ice accumulations were confined mainly to the higher elevations of far northwestern New Jersey where surface temperatures were coldest. 0.10 inches of ice was reported in Wantage (Sussex County), and 0.03 inches of ice was reported at Sussex Airport. Prior to changing over to freezing rain, light snow had fallen during the late afternoon and evening hours. 1.7 inches of snow was reported in Wantage, 1.5 inches in Highland Lakes, with a trace of snow in Sussex, and a trace of snow in Randolph Township (Morris County).

Cumberland County Bridgeton

24	1815EST				0	0			Thunderstorm Wind (50EG)
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Trees and wires blown down in Bridgeton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Cumberland County 2 ENE South Vineland

24	1820EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Trees blown down into a preschool on Stewart Street. Wires down on Mays Landing and Panther Roads.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Burlington County 1 E Mt Laurel

24	1850EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Several trees and wires down with power outages throughout the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NJZ012

Middlesex

24	2100EST				0	0			High Wind
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NJZ022

Western Atlantic

24	2100EST				0	0	20.0K	0.00K	Strong Wind
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Camden County 1 SE Delair

24	2150EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Thunderstorm wind gusts knocked down trees and wires in Pennsauken.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Camden County 1 NE Pine Hill

24	2150EST				0	0	10.00K	0.00K	Thunderstorm Wind (43EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

A Tree fell into a structure on 7th street in Pine Hill.

Note: The estimated wind gust of 43 knots is equivalent to 49 mph.

Camden County 1 N Westmont

24	2150EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Thunderstorm wind gusts knocked down trees and wires in Cherry Hill.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Mercer County 1 E Princeton Township 2 E Rosedale

24	2200EST								
25	0800EST				0	0	0.00K	0.00K	Flood

Flooding reduced 206 to one lane near Quaker road. Numerous roads were closed due to flooding overnight and on the morning of 2/25 in Princeton as well. This had an adverse impact on the morning commute.

Camden County 12 ENE Morrisville 3 SSW Lakeland

24	2205EST								
25	0200EST				0	0	0.00K	0.00K	Flash Flood

Southbound Interstate 295 was closed around mile marker 27 (near Bellmawr) due to flooding.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

NJZ007

Warren

24	2210EST				0	0	0.00K	0.00K	Strong Wind
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Hunterdon County

1 W Wertsville

24	2210EST				0	0			Thunderstorm Wind (52MG)
----	---------	--	--	--	---	---	--	--	--------------------------

Measured thunderstorm wind gust of 60 MPH in East Amwell Township, along with pea size hail.

Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Ocean County

1 W Toms River Arpt

24	2215EST				0	0			Thunderstorm Wind (51MG)
----	---------	--	--	--	---	---	--	--	--------------------------

Measured thunderstorm wind gust of 59 MPH in Berkeley Township.

Note: The measured wind gust of 51 knots is equivalent to 59 mph.

Ocean County

7 N Pt Pleasant Beach

24	2220EST				0	0	25.00K	0.00K	Thunderstorm Wind (52EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Tree fell into a home in the city of Neptune.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Middlesex County

Milltown

24	2244EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Thunderstorm wind gusts knocked down a pole and numerous trees in Milltown.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NJZ001-022

Sussex - Western Atlantic

24	2245EST				0	0	0.00K		Strong Wind
	2256EST								

Sussex County

1 E Flatbrookville

2 SSE Wallpack Center

24	2300EST				0	0	0.00K	0.00K	Flood
25	1300EST								

Route 615 was closed due to flooding between Pompey Ridge Road and Flatbrook Bridge on the morning of 2/25. (note for JM: Sounds like a typical road that would flood not sure we should get dinged on this for not having a FFW up) FLS was issued.

Mercer County

1 E Princeton

24	2315EST				0	0	0.00K		Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	--	--------------------------

Thunderstorm wind gusts brought down wires and trees in Princeton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Monmouth County

1 E Asbury Park

24	2329EST				0	0	5.00K		Thunderstorm Wind (50EG)
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Thunderstorm wind gust damaged multiple transformers in Asbury Park.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NJZ013

Western Monmouth

24	2335EST				0	0	0.00K		Strong Wind
----	---------	--	--	--	---	---	-------	--	-------------

Somerset County

5 ENE Green Brook

1 E Sunset Hill Garden

24	2340EST				0	0	0.00K	0.00K	Flash Flood
25	0200EST								

The stream gage on Stony Brook at North Plainfield reached its flood stage of 7 feet at 2340EST. The stream gage on Stony Brook at Watchung reached its flood stage of 7 feet at 2340EST. All lanes closed to due to flooding on Shepard Ave and River Road in Middlesex due to flooding overnight 2/24 and the morning of 2/25. Flooding on the Raritan river occurred in High Bridge and Clinton near the Red Hill Museum.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

Hunterdon County

2 NE Whitehouse	24	2355EST							
Three Bridges	25	0200EST			0	0	0.00K	0.00K	Flash Flood

The stream gage on the Neshanic River at Reaville reached its 6.5 foot flood stage at 2355EST.

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms, heavy rain, flash flooding, and stream flooding in New Jersey late Wednesday afternoon and evening, February 24th, with stream flooding continuing into Thursday, February 25th. Thousands were without power for a period across the state, focused in South Jersey.

NEW MEXICO, Central and North

**NMZ504-508-510>
516-527**

East Slopes Of The Sangre De Cristo Mountains - Jemez Mountains - Northern Sangre De Cristo Mountains Above 9500 Feet/red River - Northwest Highlands - Raton Ridge/johnson Mesa - San Juan Mountains - Southern Sangre De Cristo Mountains Above 9500 Feet - Southwest Mountains - Upper Rio Grande Valley - West Slopes Of The Sangre De Cristo Mountains

01	0000MST								
	2100MST				0	0			Heavy Snow

NMZ524-535>536-538

Chaves County Plains - Curry County - Roosevelt County - South Central Highlands - Upper Tularosa Valley

01	0410MST								
	1347MST				0	0			High Wind

A vigorous low pressure system and associated cold front produced widespread snow, heavy at times, across much of the area late on the 31st through the 1st before diminishing early on the 2nd. Many locales in the northern New Mexico high country received between 1 and 2 feet of new snow with significant snowfall also reported across higher elevations of the west. Snowfall impacts at lower elevations were generally limited, as most of the precipitation accompanied a strong cold front that swept the area from west to east rather quickly during the day on Monday the 2nd. Peak wind gusts between 60 mph and near 70 mph developed along and immediate behind the cold front across parts of south central and southeast New Mexico. Temperatures dropped as much as 15 degrees in less an hour behind the cold front.

NMZ513

Northern Sangre De Cristo Mountains Above 9500 Feet/red River

17	2300MST								
19	0200MST				0	0	0.00K	0.00K	High Wind

NMZ527

Raton Ridge/johnson Mesa

18	1400MST								
	1530MST				0	0	0.00K	0.00K	High Wind

An upper level trough moving quickly east across the central Rockies forced a powerful jet stream over New Mexico. These strong winds aloft interacted with deepening low pressure over the front range to produce widespread windy conditions. The strongest winds impacted areas from the Sangre de Cristo Mountains east across the Johnson Mesa. The highest wind gust reported was 66 mph at Kachina Peak and 58 mph at the Raton Airport. There were no reports of wind damage from this event.

22	1800MST								
23	1000MST				0	0	0.00K	0.00K	Heavy Snow

NMZ515-528-530

East Slopes Of The Sangre De Cristo Mountains - Far Northeast Highlands - Union County

22	2000MST								
23	1000MST				0	0	0.00K	0.00K	Heavy Snow

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Property Damage	Crops	Character of Storm
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NEW MEXICO, Central and North

A powerful jet stream shifting southeast from the Pacific Northwest carved out a quick hitting winter storm system over New Mexico. A strong cold front that shifted south across eastern New Mexico provided the necessary cold air along with some weak upslope flow along the Johnson Mesa and the east slopes of the Sangre de Cristo Mountains. The record warmth prior to this system limited any widespread significant travel impacts. However, areas along the Colorado border saw blizzard-like conditions and severe travel impacts. Visibilities were reduced to near zero at times over the area with winds gusting as high as 50 mph. A sharp band of wet snow also developed with this system in the area from Los Alamos to Santa Fe. Snowfall amounts of 3 to 8 inches were common within the band however impacts were again limited.

NEW MEXICO, South Central and Southwest

NMZ405-412-413

Central Tularosa Basin - Lowlands Of The Bootheel - Southern Tularosa Basin

01	0030MST 0330MST				0	0	0.00K	0.00K	High Wind
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NMZ402

Southern Gila Highlands/black Range

01	0700MST 1200MST				0	0	0.00K	0.00K	Heavy Snow
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An upper low was moving through the Great Basin and into the Four Corners region with strong southwest flow ahead of it. A jet streak of almost 150 knots moved out of Southern Arizona and a strong surface low and associated cold front entered into New Mexico. As the cold front moved through the region, winds gusted up to 95 mph at San Augustin Pass. Some moderate snow was also reported in the Gila Region.

NEW MEXICO, Southeast

NMZ027-028

Eddy County Plains - Guadalupe Mountains of Eddy County

01	1353MST								
02	1800MST				0	0	0.00K	0.00K	High Wind

Strong mid level winds spread over southeast New Mexico and west Texas to the south of a shortwave trough which passed by to the north of the region.

NEW YORK, Central

**Cayuga County
1 WSW Locke**

16	1640EST 2030EST				0	0	75.00K	0.00K	Flash Flood
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An ice jam developed on the Owasco Inlet and Hemlock Creek between the villages of Locke and Moravia. Water was reported to be flowing across State Route 38. Several homes along State Route 38 near the creeks were impacted by flood waters.

Milder than usual temperatures along with a moderate to heavy rainfall released the ice cover along several streams and creeks in the region. This caused several minor ice jams around the area, with one in particular causing significant flooding in a portion of Cayuga county.

**Oneida County
1 NW Rome**

24	2100EST 2110EST				0	0	5.00K	0.00K	Thunderstorm Wind (65EG)
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A thunderstorm moved over the area and produced severe wind damage. This thunderstorm forced 4 trees to be knocked over on Liberty street.

An unusually strong upper level trough attendant to a potent surface low pressure system brought showers and thunderstorms to central New York and northeast Pennsylvania on February 24th, 2016. The low pressure system was located over the mid-west Wednesday morning, and propagated northeastward toward the western edge of the state of New York by late Wednesday night. As the surface low moved towards the region, a continuous line of showers and thunderstorms developed along the cold front by late afternoon and brought scattered severe thunderstorms and spawned one tornado as it moved across central NY and northeast PA. Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

NYZ078>081-177-179

Northeast Suffolk - Northern Nassau - Northwest Suffolk - Southeast Suffolk - Southern Nassau - Southwest Suffolk

05	0500EST 1500EST				0	0	0.00K	0.00K	Heavy Snow
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Low pressure developing along a cold front moving through the region on Thursday February 4th moved off the southern Mid Atlantic coast on Friday February 5th, bringing heavy snow to Long Island on the fifth.

NYZ178-179

Southern Nassau - Southern Queens

08	0600EST 1000EST				0	0	0.00K	0.00K	Coastal Flood
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Low pressure that developed off the Florida coast on early February 7th, intensified into a large intense offshore storm which slowly tracked northeast up the coast through the night of February 8th. The large fetch around the storm and slow movement resulted in 2 to 3 feet of surge on top of astronomically high tides. This resulted in widespread minor to moderate coastal flooding during the morning high tides of February 8th and 9th. Moderate coastal impacts were mainly along the south shore bays of New York City and Long Island.

NYZ079-081

Northeast Suffolk - Southeast Suffolk

08	0600EST 1800EST				0	0	0.00K	0.00K	Heavy Snow
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NYZ078-080

Northwest Suffolk - Southwest Suffolk

08	0800EST 1800EST				0	0	0.00K	0.00K	Winter Weather
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An intensifying offshore storm passed close enough on Monday February 8th to bring heavy snow to parts of central and much of eastern Long Island, NY.

NYZ080-178-179

Southern Nassau - Southern Queens - Southwest Suffolk

09	0600EST 1600EST				0	0	0.00K	0.00K	Coastal Flood
----	--------------------	--	--	--	---	---	-------	-------	---------------

Low pressure that developed off the Florida coast on early February 7th, intensified into a large intense offshore storm which slowly tracked northeast up the coast through the night of February 8th. The large fetch around the storm and slow movement resulted in 2 to 3 feet of surge on top of astronomically high tides. This resulted in widespread minor to moderate coastal flooding during the morning high tides of February 8th and 9th. Moderate coastal impacts were mainly along the south shore bays of New York City and Long Island.

NYZ080

Southwest Suffolk

13	1500EST 1700EST				0	1	20.0K	0.00K	Strong Wind
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Strong west winds were observed behind an arctic front.

NYZ067-069-072-078-080-176-178>179

New York (Manhattan) - Northern Queens - Northern Westchester - Northwest Suffolk - Orange - Rockland - Southern Nassau - Southern Queens - Southwest Suffolk

16	1000EST 1600EST				0	2	590.0K	0.00K	Strong Wind
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Strong to isolated high winds occurred ahead of an area of low pressure and associated frontal boundary.

**Queens County
1 N Woodside**

16	1426EST				0	0	0.50K		Thunderstorm Wind (52EG)
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Large branches were reported down on 37th Street.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Nassau County Levittown

16	1512EST				0	0	1.50K		Thunderstorm Wind (52EG)
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Wires were reported down at the intersection of Hempstead Turnpike and Wantagh Avenue.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Nassau County Seaford

16	1512EST				0	0	1.00K		Thunderstorm Wind (52EG)
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A large tree limb was reported down on a house along Washington Avenue.

An approaching cold front triggered a convective fine line that caused downed trees and power lines across New York City and Long Island. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

NYZ079

Northeast Suffolk

16	1553EST				0	0			High Wind
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Strong to isolated high winds occurred ahead of an area of low pressure and associated frontal boundary.

NYZ072-075-078-176-179

Bronx - Kings (Brooklyn) - New York (Manhattan) - Northern Queens - Northwest Suffolk - Southern Nassau

24	1900EST								
25	0000EST				0	0	470.0K	0.00K	Strong Wind

Strong winds occurred behind a warm front and ahead of a cold front.

NYZ071-178

Southern Queens - Southern Westchester

24	2200EST								
25	0100EST				0	0	20.0K	0.00K	High Wind

High winds occurred behind the passage of a warm front, and ahead of a cold front.

Westchester County 1 E Larchmont

24	2255EST				0	0			Thunderstorm Wind (58MG)
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A gust of 67 mph was measured at the Larchmont Harbor mesonet location.

A passing cold front triggered severe thunderstorms across Southeastern New York. Note: The measured wind gust of 58 knots is equivalent to 67 mph.

NYZ081-178

Southeast Suffolk - Southern Queens

24	2300EST								
25	0300EST				0	0	40.0K	0.00K	Strong Wind

Strong winds occurred behind a warm front and ahead of a cold front.

NYZ070-078

Northern Westchester - Northwest Suffolk

24	2300EST								
25	0100EST				0	0	30.0K	0.00K	High Wind

High winds occurred behind the passage of a warm front, and ahead of a cold front.

Orange County Balmville

24	2329EST				0	0	15.00K		Thunderstorm Wind (52EG)
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Trees were reported down on cars at the intersection of Route 9W and Chestnut Lane.

A passing cold front triggered severe thunderstorms across Southeastern New York. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

NYZ079-080

Northeast Suffolk - Southwest Suffolk

25	0000EST								
	0600EST				0	0	40.0K	0.00K	Strong Wind

Strong winds occurred behind a warm front and ahead of a cold front.

Storm Data and Unusual Weather Phenomena

February 2016

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

NYZ081

Southeast Suffolk

25	0000EST 0300EST				0	0	10.0K	0.00K	High Wind
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High winds occurred behind the passage of a warm front, and ahead of a cold front.

Nassau County Seaford

25	0000EST				0	0	10.00K		Thunderstorm Wind (61EG)
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A large tree was reported down on the house at the intersection of Chicago and Forest Avenues.

Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

Suffolk County 1 NW Stony Brook

25	0111EST				0	0	0.50K		Thunderstorm Wind (58MG)
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A trained spotter measured a gust of 67 mph and several large branches were reported down throughout the West Meadow Beach neighborhood of Stony Brook.

Note: The measured wind gust of 58 knots is equivalent to 67 mph.

Suffolk County 1 NE Baiting Hollow

25	0134EST				0	0	0.75K		Thunderstorm Wind (52EG)
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Wires were reported down at the intersection of Sound Avenue and Warner Drive.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Suffolk County Shirley Arpt

25	0140EST				0	0			Thunderstorm Wind (50MG)
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A wind gust of 50 knots was measured by ASOS at Brookhaven Airport in Shirley.

Note: The measured wind gust of 50 knots is equivalent to 58 mph.

Suffolk County 3 ESE West Tiana

25	0205EST				0	0			Thunderstorm Wind (60MG)
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A gust of 69 mph was measured at the mesonet location at Shinnecock Light.

Note: The measured wind gust of 60 knots is equivalent to 69 mph.

Suffolk County Southampton

25	0230EST				0	0	7.50K		Thunderstorm Wind (61EG)
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Multiple trees and power lines were reported down throughout the Town of Southampton.

A passing cold front triggered severe thunderstorms across Southeastern New York. Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

NEW YORK, East

NYZ032-038>043-047>054-058>061-063>066-082>084

Eastern Albany - Eastern Columbia - Eastern Dutchess - Eastern Greene - Eastern Rensselaer - Eastern Schenectady - Eastern Ulster - Hamilton - Montgomery - Northern Fulton - Northern Herkimer - Northern Saratoga - Northern Warren - Northern Washington - Schoharie - Southeast Warren - Southern Fulton - Southern Herkimer - Southern Saratoga - Southern Washington - Western Albany - Western Columbia - Western Dutchess - Western Greene - Western Rensselaer - Western Schenectady - Western Ulster

13	0300EST								
14	1300EST				0	0			Extreme Cold/Wind Chill

Behind an Arctic cold front, very cold temperatures poured into the region upon brisk northwesterly winds. Temperatures dropped through the day on Saturday, February 13th, reaching lows of 8 to 33 degrees below zero across eastern New York on Saturday night. Along with winds gusting 20 to 40 MPH, wind chill values reached 15 to 45 degrees below zero for Saturday night into Sunday morning.

The cold temperatures and low wind chills resulted in several water main breaks across the region. About 60 residents of an elderly care facility in Hoosick had to spend the night at a fire station as a result of a burst water pipe. In addition, the Red Cross responded to 17 emergency calls over the weekend, including for house fires in Albany, Schodack and Gilboa. Around \$3000 of aid was given to families affected by these fires.

With temperatures warming up and winds diminishing, the threat for dangerously cold temperatures and low wind chills ended on the afternoon hours of Sunday, February 14th.

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NEW YORK, East

NYZ033-042

Hamilton - Northern Warren

15	2200EST								
16	1300EST				0	0			Winter Weather

A strengthening storm system was located over the Mid South and Tennessee Valley during the evening hours on Monday, February 15th. Well ahead of this system, a southerly flow allowed light to moderate snow to break out across the southern Adirondacks for the overnight hours between Monday, February 15th and Tuesday, February 16th. With warmer air moving into the region aloft, this precipitation changed to sleet and freezing rain for the morning hours on Tuesday, February 16th and became lighter in intensity. With the storm tracking close to the region, enough warmer air moved into the area to change the precipitation entirely over to a plain rain for the afternoon hours.

By that time, about 3 to 8 inches of snow fell across much of Hamilton and northern Warren Counties. Some localized totals near 10 inches fell in the Indian Lake area.

Ulster County

1 SSE Woodstock

24	2315EST								
25	0500EST				0	0	0.00K	0.00K	Flood

Due to heavy rainfall and snow melt occurring over a frozen ground, flooding occurred in Woodstock at the intersection of Routes 212 and 375.

Dutchess County

1 N Wappingers Falls

24	2330EST								
					0	0			Thunderstorm Wind (50EG)

Sheds located in a home improvement store parking lot were damaged due to being blown over by thunderstorm wind gusts.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Warren County

Oneida Corners (GFL)Glens Falls Arp

24	2335EST								
25	0500EST				0	0	0.00K	0.00K	Flood

At least 14 basements were required to be pumped out in the town of Queensbury due to heavy rainfall and snow melt occurring over a frozen ground. Several feet of water had accumulated at the Queensbury High School parking lot and the depth of the water blocked the main exit from the lot. School was canceled on Thursday, February 25th due to the impacts from flooding. Dixon Road in Queensbury had nearly a foot of mud on it at one point due to water from Halfway Brook flowing over the roadway. In addition, Rockwell Drive in Queensbury was closed due to flooding as well.

Washington County

Ft Edward South Hudson Falls

24	2339EST								
25	0500EST				0	0	0.00K	0.00K	Flood

A basement collapsed in Fort Edward due to flooding from heavy rainfall occurring over a frozen ground.

Albany County

Elsmere Delmar

24	2343EST								
25	0500EST				0	0	0.00K	0.00K	Flood

Urban flooding occurred on Elsmere Avenue under the railroad bridge in Delmar due to heavy rainfall occurring over a frozen ground. Nearly a foot of water was in the roadway near the intersection of Delaware Avenue.

Ulster County

2 ENE Lake Minnewaska

24	2345EST								
25	0500EST				0	0	0.00K	0.00K	Flood

U.S. Route 44 in Gardiner near Minewaska State Park was closed due to flooding from heavy rainfall and snow melt occurring over a frozen ground.

Warren County

1 ENE Chestertown

24	2345EST								
25	0500EST				0	0	0.00K	0.00K	Flood

Heavy rainfall and snow melt occurring over a frozen ground caused flooding in the town of Chester. A portion of Panther Mountain Drive was closed due to impacts from flooding.

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NEW YORK, East

Washington County 3 SW Middle Falls

24	2345EST								
25	0500EST				0	0	0.00K	0.00K	Flood

County Route 113 near Greenwich was closed due to flooding from heavy rainfall occurring over a frozen ground. The roadway was reported to have been washed away due to the flooding.

Washington County Ft Edward

24	2356EST								
25	0500EST				0	0	0.00K	0.00K	Flood

Urban flooding was reported in Fort Edward due to heavy rainfall occurring over a frozen ground. The intersection of East Street and Wing Street was reported to have been washed away due to the flooding.

Montgomery County Canajoharie

25	0000EST								
	0900EST				0	0	0.00K	0.00K	Flood

An apartment building located at 3 Rock Street in Canajoharie was damaged due to flooding from heavy rain occurring over a frozen ground. Utility services were cut to the building and firefighters provided temporary shelter for residents until the Red Cross was able to open an emergency shelter.

Montgomery County Fonda 1 N Randall

25	0000EST								
	0900EST				0	0	0.00K	0.00K	Flood

State Route 5 was closed between Fonda and Palatine Bridge due to flooding from heavy rainfall occurring over a frozen ground.

Washington County 1 N Barkers Grove

25	0000EST								
	0500EST				0	0	0.00K	0.00K	Flood

Up to 10 inches of water was flowing across State Route 40 in Easton due to heavy rainfall falling upon a frozen ground.

Washington County Vaughns Corners

25	0000EST								
	0500EST				0	0	0.00K	0.00K	Flood

County Route 35 (Vaughn Road) near Hudson Falls was closed because of damage from a washout east of Tripoli Road due to heavy rainfall occurring over a frozen ground.

Washington County 1 ESE Smiths Basin

25	0022EST								
	0500EST				0	0	0.00K	0.00K	Flood

State Route 149 and County Route 41 in Kingsbury were closed due to flooding from heavy rain falling upon a frozen ground.

Ulster County 1 NNE Kripplebush

25	0023EST								
	0500EST				0	0	0.00K	0.00K	Flood

Heavy rain and snow melt upon a frozen ground caused the Kripplebush Creek to overflow its banks and flow across County Route 2 near Stone Ridge.

Washington County Hudson Falls

25	0030EST								
	0500EST				0	0	0.00K	0.00K	Flood

The intersection of Route 196 and James Street in Hudson Falls was flooded due to heavy rainfall occurring over a frozen ground.

Storm Data and Unusual Weather Phenomena

February 2016

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

Washington County

1 WNW Dunham Basin

25	0040EST 0500EST				0	0	0.00K	0.00K	Flood
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The intersection of Burgoyne and Maynard Streets in Hudson Falls were flooded due to heavy rainfall occurring over a frozen ground.

Washington County

Ft Edward

25	0048EST 0500EST				0	0	0.00K	0.00K	Flood
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A portion of U.S. Route 4 (Broadway) in Fort Edward was flooded due to heavy rainfall occurring over a frozen ground.

Ulster County

1 W Connelly

25	1309EST 1713EST				0	0	0.00K	0.00K	Flood
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State Highway 213 in the town of Ulster was temporarily closed due to flooding from heavy rain occurring over a frozen ground.

Albany County

1 ENE Karlsfeld

1 ESE North Bethlehem

25	1400EST 1700EST				0	0	0.00K	0.00K	Flood
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Krumkill Road near the Albany-Bethlehem border was closed due to impacts from heavy rainfall. According to local newspaper media, the road was closed when officials noticed a sinkhole on the upstream shoulder, cracks running parallel to the road and a failing bank around a utility pole on the downstream side. A preliminary investigation by a consultant determined the culvert failure was severe, and they recommended not reopening the road until it is replaced. The road was scheduled to remain closed for at least several months.

A strong area of low pressure was located over the Ohio Valley on Wednesday, February 24th and the storm headed northeast towards the region. A warm front extended out of this storm, allowing for periods of rainfall during the day Wednesday, February 24th and into the evening hours. As the warm front passed through the region during the overnight hours, temperatures became quite mild for late February reaching into the 50s and 60s, despite it being in the middle of the night. In addition, thunderstorms ahead of the storm's cold front moved from the mid-Atlantic states up towards eastern upstate New York.

The thunderstorms produced a period of very heavy rainfall during the late evening and into the overnight hours. Rainfall fell at rates exceeding one inch per hour at times. This rainfall, combined with a frozen ground in places and some snow melt in mountainous areas, allowed for widespread flooding of urban, poor drainage and low lying areas. Some streams and rivers exceeded flood stages as well, but most flooding was only minor.

In addition, one of the thunderstorm became severe over the mid-Hudson Valley, producing damaging wind gusts. Wind gusts damaged a shed in a store parking lot and produced scattered power outages across parts of Dutchess County. Around 3,000 customers in Dutchess County were without power at one point during the overnight hours.

The passage of the storm's cold front during the early morning hours of Thursday, February 25th ended the threat for severe thunderstorms and heavy rainfall. Some additional rainfall during the day on Thursday, February 25th allowed the receding of water of flooded areas to be slow to occur.

NYZ041>043-083

Northern Saratoga - Northern Warren - Northern Washington - Southeast Warren

29	2300EST 2359EST				0	0	40.0K	0.00K	Strong Wind
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A cold front moved through the region during the late evening on Monday, February 29th and into the early morning hours on Tuesday, March 1st. Gusty west to northwest winds accompanied the passage of this boundary across the region, with some gusts recorded over 40 MPH during the overnight hours.

These wind gusts damaged some trees in the Queensbury and Glens Falls area. A few of the trees fell on homes and vehicles. The Warren County Sheriff's Office noted 18 calls for roads blocked by trees or branches. About 2300 customers lost power as a result of the strong winds.

Storm Data and Unusual Weather Phenomena

February 2016

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

NYZ026-087

Northern Franklin - Northern St. Lawrence - Southwestern St. Lawrence

16	0000EST 1400EST				0	0	30.0K	0.00K	Winter Storm
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NYZ028>031-034>035

Eastern Clinton - Eastern Essex - Southeastern St. Lawrence - Southern Franklin - Western Clinton - Western Essex

16	0000EST 1400EST				0	0	60.0K	0.00K	Winter Weather
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A coastal low across the Carolinas on the morning of February 16th raced northward across the Champlain Valley of VT/NY during the day. This allowed for a wintry mix of snow, sleet, freezing rain and rain across the region. The heaviest snowfall occurred in the St. Lawrence River valley where 4 to 8 inches with locally up to 12 inches of snow fell. The main impacts were poor travel conditions.

NYZ026>031-034>035-087

Eastern Clinton - Eastern Essex - Northern Franklin - Northern St. Lawrence - Southeastern St. Lawrence - Southern Franklin - Southwestern St. Lawrence - Western Clinton - Western Essex

29	2000EST 2300EST				0	0	45.0K	0.00K	Strong Wind
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Two low pressure areas merged across Quebec during the evening of February 29th and this helped strengthen a cold front that moved across New York and Vermont during the night of February 29th and into the morning hours of March 1st. Accompanying the cold front was strong west to northwest winds with wind gusts in excess of 35 to 40 mph across large portions with a few scattered wind gusts that approached 50 mph. These strong winds did knock down some tree limbs that fell on power lines and accounted for isolated power outages.

NEW YORK, West

NYZ001>003-006-019>020-085

Cattaraugus - Chautauqua - Monroe - Niagara - Orleans - Oswego - Southern Erie

10	0100EST								
11	1200EST				0	0	111.0K	0.00K	Lake-Effect Snow

The mild winter resulted in little lake ice and wide open water for lake effect snow to continue. Low pressure moved across southern Ontario on the 9th with colder air building in its wake. Lakes snows east of Lake Erie began just past midnight Wednesday morning, and just before sunrise east of Lake Ontario on Wednesday morning. A west wind brought the steadiest snows east of Lake Erie across ski country through the day, while on the southwestern shoreline of Lake Ontario a band of snow hugged the shoreline, dropping upwards of a half a foot of snow. Several bands of lake effect snow passed east of Lake Erie through the day and night Wednesday, while upstream connections to Lake Huron over the western half of Lake Ontario and later Georgian Bay over the eastern half of Lake Ontario maintained bands of snow along the southern shoreline of Lake Ontario. By Wednesday evening the lake effect snows focused southeast of Lake Ontario where a band of snow with snowfall rates in excess of 3 inches per hour sat over Oswego County. This band of snow moved little through the night, and this allowed for upwards of three feet of snow to fall upon Oswego County by Thursday morning. Through the day Thursday winds veered to more northwesterly and produced light multi-banded lake effect streamers to the south and southeast of the lakes through the day. Off Lake Erie, specific snowfall reports included: 14 inches at East Aurora and 10 inches at Colden and Elma. Off Lake Ontario, specific snowfall reports included: 37 inches at Minetto and Mexico, 33 inches at Oswego, 31 inches at Hastings and 25 inches at Palermo.

NYZ001-007-010-085

Jefferson - Niagara - Northern Erie - Southern Erie

12	0430EST 0600EST				0	0	51.0K	0.00K	Lake-Effect Snow
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Storm Data and Unusual Weather Phenomena

February 2016

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NEW YORK, West

Lake effect bands of snow formed, first off Lake Erie early Friday morning February 12th, and later through the morning off Lake Ontario. Very early Friday morning a band of snow with snowfall rates up to 2 inches per hour formed along the southern Lake Erie shoreline and over the southern Tier, with the band of snow lifting northward to the vicinity of Buffalo during the rush hour. The poor timing of the snow band during the early morning rush led to several accidents, and slowing the morning commute. The band of snow weakened some during the morning hours as it sank southward back over southern Erie and Chautauqua Counties. By late morning the band of snow lifted northward across Niagara, Orleans and northern Erie counties. Here is where the greatest snowfall accumulation fell, with upwards of a foot of snow falling through the afternoon and evening hours. During the late afternoon hours several rumbles of thunder were heard over Northern Erie County. Through the evening hours this band of snow sank southward towards the southern tier where it then diminished to light snow showers after midnight. Off of Lake Ontario an early lake effect snow band was over Oswego County Friday morning. As winds backed through the morning hours this band of snow lifted northward and disorganized as it reached central and northern Jefferson County where it then intensified through the afternoon hours. With some help from Lake Erie, a southwest to northeast band of snow blitzed the Saint Lawrence Valley and northern Jefferson County with nearly a foot of snow through the afternoon hours. Snowfall rates up to 2 inches per hour fell through the afternoon. By early evening a southward dropping arctic front pushed this band of snow southward. Off Lake Erie, specific snowfall reports included: 11 inches at Rapids, Lockport and Elma, 10 inches at North Tonawanda and 8 inches at Hamburg. Off Lake Ontario, specific snowfall reports included: 11 inches at Oswego, 10 inches at Watertown, 9 inches at Minetto and 8 inches at Cape Vincent.

NYZ001-006-010-014-020>021-085

Allegany - Cattaraugus - Jefferson - Niagara - Northern Erie - Ontario - Oswego - Southern Erie

13	0600EST								
14	0900EST			0	0				Extreme Cold/Wind Chill

A powerful arctic front swept across the area and ushered in near record cold to the area. In combination with the cold, brisk westerly winds produced wind chills of minus 25 to minus 30 degrees. Warming shelters were opened and some outdoor activities were cancelled. Because the cold occurred on a weekend however it did not affect many businesses or schools. Specific minimum wind chill temperatures reached included: minus 38 degrees at Fort Drum and Watertown; minus 31 degrees at Cuba; minus 30 degrees at Oswego; minus 28 degrees at Wellsville, Fulton and Olean; minus 26 degrees at Buffalo Airport, Canandaigua and Niagara Falls; and minus 25 degrees at Springville and Lowville.

15	1930EST								
16	1630EST			0	0	15.0K	0.00K		Winter Storm

NYZ002>008-010>014-019>021-085

Allegany - Cattaraugus - Chautauqua - Genesee - Jefferson - Lewis - Livingston - Monroe - Northern Cayuga - Northern Erie - Ontario - Orleans - Oswego - Southern Erie - Wayne - Wyoming

15	1930EST								
16	2000EST			0	0	280.0K	0.00K		Winter Storm

Low pressure moved north across central Pennsylvania and central New York. It was on the only major synoptic event of the winter. This brought all snow to western New York. Across central New York what started initially as snow changed to rain Tuesday morning (16th) then back to snow for the evening hours. Across the north country minor snow accumulations accompanied up to a half inch of ice. The axis of heaviest snow (eighteen to twenty-two inches) fell across the Monroe county and the city of Rochester. The heavy snow began to fall during the early morning hours bringing the morning commute to a standstill. Specific snowfall reports included: 22 inches at Irondequoit; 20 inches at Charlotte; 19 inches at Penfield; 18.3 inches at Rochester Airport; 18 inches at Fairport and Greece; 17 inches at Genesee and Pittsford; 16 inches at Henrietta; 15 inches at Sardinia and Orangeville; 14 inches at LeRoy, Watertown, Lima and Mumford; 13 inches at Perrysburg, Concord, Churchville, Brockport and Arcade; 12 inches at Elma, Stafford, Livonia, Mendon and Lyons; 11 inches at Forestville, Lancaster, Farmington, Holley, Port Bay, Macedon and Portageville; 10 inches at Hamburg, Marilla, Elma and North Greece; 9 inches at Alden, North Boston, North Tonawanda, Lockport, Phelps and Medina; and 8.9 inches at Buffalo Airport.

NORTH CAROLINA, Central

**Davidson County
2 NW Lexington Arpt**

03	1302EST								
	1304EST	1.03	50	0	0	25.00K	0.00K		Tornado (EF0)

Numerous trees, both hardwoods and softwoods were either snapped or uprooted along the discontinuous damage path some of the downed trees and large branches fell onto and damaged homes or vehicles on the southwest side of Thomasville. Otherwise, damage to homes was relatively minor in Thomasville and was confined mostly to a loss of shingles, gutters, and siding.

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NORTH CAROLINA, Central

Davidson County

2 NE Holly Grove	03	1314EST							
2 WNW Glen Anna		1316EST	1.67	100	0	0	100.00K	0.00K	Tornado (EF1)

Numerous trees, both hardwoods and softwoods were either snapped or uprooted along the discontinuous damage path some of the downed trees and large branches fell onto and damaged homes or vehicles, including a large oak tree that was uprooted and crushed a sedan in the 2800-2900 block of Upper Lake Road. Otherwise, damage to homes was relatively minor and was confined mostly to a loss of shingles, gutters, and siding. There were also approximately six to eight farm outbuildings that were severely damaged or destroyed, including a few that sustained collapsed walls and major loss of roof panels mainly near Upper Lake Road and Wayside drive.

The National Weather Service survey confirmed a couple of brief tornado touchdowns along an otherwise discontinuous 12-mile path of damaging straight-line wind from near Lexington to Thomasville in Davidson County North Carolina.

NCZ027-041>043-076>078-088

Cumberland - Harnett - Johnston - Lee - Nash - Wake - Wayne - Wilson

07	0950EST						80.0K	0.00K	Winter Weather
	1700EST				0	0			

A deepening low pressure system tracking along the southeast coast, spread precipitation into the eastern portions of North Carolina. Several counties in the Sandhills and southern Coastal Plain saw a brief wintry mix, with very minor accumulations (mainly under one half of an inch). However, this brief burst of wintry weather caused numerous traffic accidents.

NCZ039

Randolph

14	1900EST								
16	0000EST				0	0	0.00K	0.00K	Winter Weather

NCZ007-021>024

Alamance - Forsyth - Guilford - Orange - Person

14	2200EST								
16	0230EST				0	0	0.00K	0.00K	Winter Storm

NCZ008>011-025>027-041>043-074-076>078-084

Durham - Franklin - Granville - Halifax - Harnett - Johnston - Lee - Montgomery - Nash - Richmond - Vance - Wake - Warren - Wayne - Wilson

15	0000EST						0.00K	0.00K	Winter Weather
	1300EST				0	0			

A very cold air mass (highs below freezing) was in place across Central North Carolina, when an upper level disturbance approached the region and induced low level cyclogenesis along the Gulf Coast. A pair of lows tracked up the east coast, resulting in winter precipitation across all of the forecast, with winter storm warning criteria being met across the Northwest Piedmont.

Wake County

1 SE College View	16	0604EST					15.00K	0.00K	Thunderstorm Wind (50EG)
3 WSW Auburn		0610EST			0	0			

Multiple trees and power lines were blown down along a swath from Raleigh to Garner. One tree fell on a house. Monetary damages are estimated.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Franklin County

2 W Raynor	16	0652EST					0.00K	0.00K	Thunderstorm Wind (50EG)
2 NE Seven Paths		0655EST			0	0			

Several trees and power lines were blown down along a swath from near Spring Hope to near Ingleside.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

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NORTH CAROLINA, Central

Warren County

**2 WSW Warrenton
Warren Plains**

16	0655EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees were blown down along a north/south swath from near Norlina to near Warrenton.

A potent shortwave tracked across the region during the early morning hours. A squall line developed and several pockets of strong winds resulted in wind damage. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wayne County

4 WSW Seven Spgs

24	1310EST				0	0	50.00K	0.00K	Tornado (EF0)
	1312EST	1.01	75		0	0	50.00K	0.00K	Tornado (EF0)

The National Weather Service in Raleigh, NC has confirmed a brief tornado touchdown several miles west southwest of Seven Springs in southeast Wayne County. The tornado began on Camp Jubilee Road between Pineview Cemetery Road and Indian Springs Road, where numerous trees were downed and branches snapped. The tornado proceeded northeast through open fields before damaging a turkey barn and several mobile homes on the southern side of Sanderson Road. The tornado then destroyed a shed and a fence as it progressed north of Sanderson Road, plastering insulation onto the walls of several structures on either side of the road.

Forsyth County

**1 NW Hanes
4 SSE Kernersville**

24	1320EST				0	0	7.00K	0.00K	Thunderstorm Wind (50EG)
	1402EST				0	0	7.00K	0.00K	Thunderstorm Wind (50EG)

Several trees were uprooted along a swath from 3 miles west-southwest of Winston-Salem to 4 miles south-southeast of Kernersville. One tree fell on a house near the intersection of South Bunker Hill Road and Sandy Ridge Road, damaging the roof.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Davidson County

**3 SW Cotton Grove
1 ESE Fair Grove**

24	1330EST				0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
	1350EST				0	0	20.00K	0.00K	Thunderstorm Wind (50EG)

A couple of homes were damaged by thunderstorm wind gusts along a swath from Hickory Point Drive, south-southeast of Linwood, to Fairwood Drive in Trinity.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wilson County

1 E Saratoga

24	1335EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees were blown down approximately 1 mile east-southeast of Saratoga.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Anson County

1 NNW Deep Creek

24	1357EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A power line was blown down on Union Church Road near Highway 109 South.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Anson County

4 N Polkton

24	1410EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A tree was blown down on McSwain Road near Highway 742 North and Johnson Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Guilford County

**2 N Sedgfield
1 S Hamilton Lakes**

24	1410EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1415EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)

Multiple trees were blown down along a swath from 4 miles south-southeast of the Piedmont Triad Airport to 1 mile south of Greensboro.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Montgomery County

**1 E Mt Gilead
1 SE Troy**

24	1446EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1448EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)

A couple of trees were blown down along a swath from Mount Gilead to Troy.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Central</u>									
Randolph County									
1 SE Coleridge	24	1510EST							
2 N Cheeks		1515EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
A few trees were blown down and a garage partially collapsed onto a vehicle along a swath from 1 mile west of Coleridge to 1 mile South of Coleridge.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Chatham County									
3 WSW Bear Creek	24	1526EST							
		1527EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
Numerous trees were blown down along a swath from 4 miles northeast of Harpers Crossroads to 3 miles northwest of Goldston, one of which fell on a residence.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Alamance County									
1 S Mebane	24	1545EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
One large tree was blown down in Mebane.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Orange County									
1 W Chapel Hill	24	1550EST							
1 ENE Glenn		1558EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A few trees were blown down, some on power lines, along a swath from Pine Street in Carrboro to near Eno.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Orange County									
2 SSE Hillsborough	24	1555EST							
1 SE Occaneechee		1556EST			0	0	0.00K	0.00K	Hail (1.25)
Quarter to half dollar size hail fell in a swath from 2 miles south-southwest of Hillsborough to 2 miles east-southeast of Hillsborough.									
Chatham County									
Bear Creek	24	1557EST							
1 NE Merry Oaks		1630EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A few trees were blown down along a swath from Bear Creek to US-1 at mile marker 84.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Durham County									
2 SW Huckleberry Spg	24	1600EST							
2 SSW Orange Factory		1605EST			0	0	250.00K	0.00K	Thunderstorm Wind (70EG)
In addition to the tornado damage in Durham county, numerous trees were blown down by rear-flank downdraft winds. Downed trees fell onto and damage homes and vehicles, with the damage most extensive along Rose of Sharon Road.									
Note: The estimated wind gust of 70 knots is equivalent to 81 mph.									
Durham County									
1 NNE Huckleberry Spg	24	1600EST							
		1601EST	0.43	30	0	0	100.00K	0.00K	Tornado (EF1)
The National Weather Service in Raleigh, NC has confirmed a brief tornado touchdown 5 miles northwest of downtown Durham in Durham County North Carolina. The touchdown occurred in a dense forest area near the intersection of Hillandale Road and Rose of Sharon Road. In this area, tree damage was extensive, mainly consisting of snapped trees.									
Person County									
1 SW Allensville	24	1615EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down near the intersection of Denny's Store Road and Allensville Road, approximately 5 miles north of Surl.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Orange County

2 NE Chapel Hill Wlms Ar	24	1620EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees were blown down near the intersection of Kenmore Road and Shady Lawn Road in Chapel Hill.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Granville County

1 SW Oxford 1 W Lewis	24	1630EST			0	0	1.00K	0.00K	Hail (2.50)
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Half dollar to tennis ball sized hail fell in a swath from Oxford to 4 miles north of Oxford.

Lee County

Sanford	24	1630EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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One tree was blown down onto a shed and a truck in Sanford.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Granville County

1 W Huntsboro 1 ENE Oxford Henderson Arp	24	1632EST 1635EST	2.59	125	0	0	500.00K	0.00K	Tornado (EF2)
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The National Weather Service has confirmed that a tornado touched down in eastern Granville County and continued into western Vance County. The tornado initially touched down at location along Salem Road, about 3.7 miles northeast of Oxford. The tornado then traveled northeast passing by and just to the north of the Henderson-Oxford Airport. The tornado then crossed into Vance County and continued for another 2.5 miles. The total path length was approximately 5 miles.

The damage along this path consisted of several stands of softwood trees snapped and blown down, several outbuildings blown down and/or destroyed, several cars and storage trailers uplifted and carried up to 50 yards away, and seven homes that were damaged, including one that was destroyed (roof and two exterior walls blown away). The degree of damage along most of the path suggested 95 to 110 mph wind speeds (EF-1), with a small segment of the path having more intense damage which suggested top wind speeds of 125 mph (EF-2).

Vance County

1 ESE Dexter	24	1635EST 1638EST	2.48	125	0	0	100.00K	0.00K	Tornado (EF2)
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The National Weather Service has confirmed that a tornado touched down in eastern Granville County and continued into western Vance County. Once the tornado crossed into Vance County, it continued for another 2.5 miles. The total path length was approximately 5 miles.

The damage along this path consisted of several stands of softwood trees snapped and blown down, several outbuildings blown down and/or destroyed, several cars and storage trailers uplifted and carried up to 50 yards away, and seven homes that were damaged, including one that was destroyed (roof and two exterior walls blown away). The degree of damage along most of the path suggested 95 to 110 mph wind speeds (EF-1), with a small segment of the path having more intense damage which suggested top wind speeds of 125 mph (EF-2).

Vance County

Williamsboro 1 SE Townsville	24	1638EST 1645EST			0	0	0.00K	0.00K	Hail (3.00)
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Tennis ball size to three inch diameter hail fell in a swath from 6 miles southwest of Bullocksville to 3 miles southeast of Tungsten.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
NORTH CAROLINA, Central									
Granville County									
1 W Creedmoor	24	1648EST 1650EST			0	0	0.00K	0.00K	Hail (1.75)
Ping pong ball to golf ball sized hail was reported in Creedmoor.									
Wake County									
2 E Apex	24	1650EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
One tree was blown down in Apex. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Granville County									
2 S Kinton Fork	24	1652EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
A large tree was blown down onto power lines on Enon Road, 2 miles west-northwest of Oxford. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Franklin County									
3 NNE Pocomoke	24	1705EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
A tree was blown down onto a house approximately 4 miles west-northwest of Franklinton. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Vance County									
2 ESE Dabney	24	1712EST			0	0	0.00K	0.00K	Hail (1.00)
Quarter size hail was reported 2 miles west-northwest of Henderson, near the intersection of Enon Road and Highway 158.									
Cumberland County									
4 S Hope Mills 1 E Fayetteville	24	1720EST 1730EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A couple of trees were blown down along a swath from Interstate 95 Southbound at mile marker 39 to North Ramsey Street in Fayetteville. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Warren County									
Manson 1 NNW Ridgeway	24	1723EST 1724EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A couple of trees were blown down along a swath from Manson Drewry Road to Ridgeway-Drewry Road, a few miles west of Norlina. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Warren County									
1 NE Paschall	24	1729EST			0	0	0.00K	0.00K	Hail (1.75)
Golf ball size hail was reported near Paschall, approximately 4 miles north-northeast of Wise.									
Cumberland County									
4 S Hope Mills Cedar Creek	24	1730EST 1740EST			0	0	0.00K	0.00K	Hail (1.50)
Quarter to ping pong ball sized hail was reported along a swath from 5 miles south-southeast of Hope Mills to Cedar Creek.									
Wake County									
1 W Starmount	24	1746EST 1750EST			0	0	50.00K	0.00K	Thunderstorm Wind (50EG)
A few trees were blown down, 2 of which were on structures, along a swath from 3 miles north-northwest of New Hope to the Fruit of Labor World Cultural Center on Lake Ridge Drive. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Wake County

1 SSE Brookhaven	24	1750EST			0	0	0.00K	0.00K	Hail (1.50)
1 SW Starmount		1800EST							

Ping pong ball sized hail was reported along a swath from North Hills mall to the intersection of New Hope Road and Capital Boulevard in Raleigh.

Warren County

3 SSW Liberia	24	1753EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
2 E Macon		1802EST							

A few trees were blown down along a swath from Parktown Road, 5 miles east-southeast of Afton, to Harristown Road, 2 miles east-southeast of Macon.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Sampson County

1 E Hobbton	24	1755EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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A barn was destroyed by thunderstorm wind gusts at 700 Suttontown Road in Hobbton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Franklin County

1 NW Franklinton	24	1800EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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One tree fell on a home at 103 Ramey Circle in Franklinton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wake County

1 ENE Macedonia	24	1802EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees were blown down near the 5500 block of Dillard Drive in Cary.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Edgecombe County

1 SE Tarboro Arpt	24	1855EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
1 NW Speed		1900EST							

A tree was blown down and a roof was blown off a mobile home along a swath from Shiloh Farm Road, just outside of Princeville, to Highway 122, just northeast of Speed.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Halifax County

1 S Scotland Neck	24	1915EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees and power lines were blown down near Scotland Neck.

A few rounds of thunderstorms moved through Central North Carolina in association with a strong low pressure system moving northeastward from the Lower Mississippi River Valley into the Tennessee Valley and Ohio Valley. The resultant highly sheared environment over the coastal plain early in the day and increasing instability across Central North Carolina during the afternoon resulted in numerous severe thunderstorms and a few tornadoes. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NORTH CAROLINA, Central Coastal

NCZ029-045>047-080>081-103

Beaufort - Eastern Dare - Martin - Tyrrell - Washington - Western Dare - Western Hyde

	12	1200EST			0	0	0.00K	0.00K	Winter Storm
		1800EST							

A fast-moving area of low pressure moved off the coast of Southeastern North Carolina on Friday February 16, 2016. With cold high pressure in place over the Delmava Region, and the low pressure strengthening off the coast, light precipitation began falling into the cold airmass by early afternoon. Precipitation fell mostly as snow across northeastern portions of North Carolina with the heaviest snow falling during the mid to late afternoon hours, impacting the early evening commute. The snow ended early in the evening as the low quickly moved well away from the coast. Around 2 to 4 inches of snow fell, with the highest amounts across the Northern Outer Banks.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
NORTH CAROLINA, Central Coastal									
Duplin County 1 N Rose Hill	16	0718EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Tree down in Rose Hill. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Lenoir County Deep Run	16	0748EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Tree down in Deep Run along Tulls Mill Road. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Pitt County 1 SSE Greenville	16	0816EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Winds estimated at 60 mph in Greenville relayed by WNCT TV via Social Media. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.
Carteret County 1 SW Beaufort Moorehd Arp	16	0840EST			0	0	5.00K	0.00K	Thunderstorm Wind (60EG)
									Tree limbs and fence blown down. Many shingles missing off roof along Old Causeway Road. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.
Carteret County 1 S Beaufort Moorehd Arp	16	0842EST			0	0	0.00K	0.00K	Thunderstorm Wind (59MG)
									Beaufort National Ocean Service NOAA LABS measured a wind gust to 68 mph. Note: The measured wind gust of 59 knots is equivalent to 68 mph.
Carteret County 2 SE Morehead City	16	0843EST			0	0	0.00K	0.00K	Thunderstorm Wind (70MG)
									WeatherFlow Site at Fort Macon reported a wind gusts to 83 mph. Note: The measured wind gust of 70 knots is equivalent to 81 mph.
Carteret County 1 N Davis 1 NW North Masontown	16	0851EST 0854EST	4.23	167	0	0	100.00K	0.00K	Tornado (EF1)
									Carteret County Emergency Services reported a tornado that struck Lewis Luther Crab House just north of Davis. The tornado demolished the backside of the building scattering debris across Highway 70 in a marsh to the north and snapping a wood power pole along Highway 70. The tornado moved north northeast for 4.2 miles across Open Ground Farms before downing 5 additional power poles located along Nelson Bay road. A NWS damage survey team assessed the tornado to be a strong EF1 with winds estimated at 110 mph.
Carteret County 1 SSW Lennoxville	16	0855EST			0	0	10.00K		Thunderstorm Wind (55EG)
									Damage to the body shop. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.
Carteret County Beaufort	16	0855EST			0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
									Beaufort ASOS measured wind gust. Note: The measured wind gust of 56 knots is equivalent to 64 mph.
Carteret County 1 S Bettie	16	0857EST			0	0	10.00K		Thunderstorm Wind (70EG)
									Trampoline overturned and shingles ripped off roof. A nearby transformer was also blown with power outages. Note: The estimated wind gust of 70 knots is equivalent to 81 mph.
Carteret County Bettie	16	0858EST			0	0	50.00K		Thunderstorm Wind (74EG)
									Old barn partially destroyed in Bettie with debris lofted and strewn 100 yards. Possible Gustnado. Tree damage as well. Note: The estimated wind gust of 74 knots is equivalent to 85 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Carteret County

2 NNW Roe

16	0910EST				0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
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Measured wind gust at Cedar Island Ferry.
Note: The measured wind gust of 56 knots is equivalent to 64 mph.

Hyde County

2 NW Engelhard

16	0915EST				0	0			Thunderstorm Wind (50EG)
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Trees down in Engelhard.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Hyde County

1 WSW Judges Quarter

16	0940EST				0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
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Measured 52 knot wind gust at the NWS Swanquarter meso-net.
Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Hyde County

4 SSE Lake Comfort

16	0943EST 0944EST				0	0	3.00K		Thunderstorm Wind (60EG)
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Small barn destroyed.
Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Hyde County

1 NE Fairfield

16	0946EST 0947EST				0	0	5.00K		Thunderstorm Wind (60EG)
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Structural damage to a single wide mobile home.
Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Dare County

1 N Buffalo City

16	1006EST				0	0	10.00K		Thunderstorm Wind (67MG)
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Measured wind gust 67 knots at the Alligator Bridge Weatherflow Site. Also 911 center reported a tractor trailer overturned on Alligator River Bridge.
Note: The measured wind gust of 67 knots is equivalent to 77 mph.

Dare County

5 ESE Wanchese

16	1015EST				0	0	0.00K	0.00K	Thunderstorm Wind (61MG)
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Measured wind gust 61 knots at Oregon Inlet WeatherFlow site.

A strong upper level disturbance and approaching cold front combined to produce severe weather across Eastern NC during the morning hours of Feb. 16th. A strong squall line moved through the coastal plains counties producing damaging winds as a small low pressure area approached southern coastal counties from the south. The low pressure area produced widespread minor straight line wind damage across eastern parts of Carteret, Hyde, and Dare Counties with 65-85 mph measured winds. An EF1 tornado, with 110 mph estimated winds, developed east of the low, and moved across Core Banks in the Davis area of downeast Carteret County, partially destroying a fish shack along U. S. Highway 70, then moved north northeast for 4.2 miles across Open Grounds Farm downing 5 additional power poles along Nelson Bay Road before dissipating. Note: The measured wind gust of 61 knots is equivalent to 70 mph.

Duplin County

1 WSW Warsaw

24	1257EST 1258EST	0.54	150		0	0	5.00K	0.00K	Tornado (EF0)
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A NWS survey team found extensive tree damage across portions of the Warsaw area indicating an EF-0 tornado with 80 mph winds.

Duplin County

4 NE Beutancus

24	1313EST 1314EST	0.17	100		0	0	100.00K		Tornado (EF1)
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A NWS Storm survey team assessed an EF1 tornado with 8 power poles snapped and a roof blow off a single wide mobile home on Garner Chapel Road about 8 miles east of Calypso.

Greene County

1 NE Castoria

24	1335EST				0	0			Thunderstorm Wind (50EG)
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Emergency Manager reported tree down in Castoria. Time based on radar.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Pitt County

1 E Winterville	24	1347EST			0	0	1.00K		Thunderstorm Wind (50EG)
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The public reported a porch blown off a mobile home on Reedy Branch Road in Winterville. Time based on radar.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Pitt County

Greenville	24	1353EST			0	0	0.00K	0.00K	Hail (1.25)
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Report of dollar size hail in Greenville.

Pitt County

1 E Ayden	24	1355EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Power lines reported down.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Martin County

1 E Williamston	24	1418EST			0	0			Thunderstorm Wind (50EG)
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Large tree limbs down in Williamston. Time based on radar.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Dare County

1 NE Hat Bily Mtchl Arpt	24	2245EST			0	0			Thunderstorm Wind (50MG)
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WeatherFlow site in Frisco Woods reported a 50 knot wind gust.

Note: The measured wind gust of 50 knots is equivalent to 58 mph.

Dare County

2 NE Avon	24	2256EST			0	0			Thunderstorm Wind (50MG)
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WeatherFlow site north of Avon reported a measured wind gust of 50 knots.

The combination of strong wind shear, moderate instability and deep moisture led to several lines of severe thunderstorms and two tornadoes across eastern NC during the early afternoon of February 24, 2016. This was part of a much larger storm system which produced severe thunderstorms and tornadoes along the Gulf Coast on the previous afternoon and evening. While no deaths or injuries were reported in eastern North Carolina, 3 fatalities occurred in southeast Virginia during the late afternoon. Note: The measured wind gust of 50 knots is equivalent to 58 mph.

NORTH CAROLINA, Extreme Southwest

NCZ060

Cherokee

08	1700EST								
09	2200EST				0	0			Heavy Snow

Sub-freezing air spilled south through the Eastern United States for a two day period of mainly orographic snowfall as several shorter wavelength systems dropped southeast out of the Northern Plains and Great Lakes. The snow accumulated to a depth of three to five inches on average however, some greater snowfall totals occurred primarily in the highest terrain in the vicinity of the Tennessee and North Carolina border.

12	0800EST				0	0			Heavy Snow
	1600EST								

During an extended period of predominant cold northwesterly flow across the Eastern United States, an upper level system moved across the Southern Appalachian Region producing snowfall amounts totaling less than three inches across most of the MRX forecast area. However, a few spots picked up slightly greater totals.

NORTH CAROLINA, North Coastal

NCZ012>017-030>032-102

Bertie - Camden - Chowan - Eastern Currituck - Gates - Hertford - Northampton - Pasquotank - Perquimans - Western Currituck

12	1100EST				0	0	0.00K	0.00K	Winter Weather
	1900EST								

Low pressure moving northeast just off the North Carolina coast produced between one and three inches of snow across portions of northeast North Carolina.

Storm Data and Unusual Weather Phenomena

February 2016

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

Bertie County

Colerain	24	1454EST							
1 W Colerain Beach		1455EST	0.48	50	0	0	25.00K	0.00K	Tornado (EF0)

A very weak EF0 tornado moved across a nearly one half mile area on the east side of Colerain. Several trees were damaged, with one large limb falling through the roof of a shed. In addition, a small outbuilding was blown over.

Isolated severe thunderstorm in advance of a cold front produced a weak tornado across portions of northeast North Carolina.

NORTH CAROLINA, Northwest and North Central

Watauga County

Foscoe	03	1050EST							
		1150EST			0	0	0.00K	0.00K	Flash Flood

Water was reported flowing across several roads in the Foscoe area, including Churches Hollow, Shaws Mill, Bamboo and Dewitt Barnett.

Strong low pressure formed over the southern Plains on the 2nd of February and tracked into the Great Lakes pulling a cold front across the region by early on the 4th. This system brought heavy rain, which first pushed into the northwest NC mountains during the early morning hours of the 3rd. Rainfall totals ending 12z on that date were up to 1 to 1.50 across parts of Watauga, Ashe and Alleghany counties with most of that falling in 12 hours or less. Several roads were reported to be closed due to flood waters across the warned area.

NCZ001

Ashe

08	1735EST								
10	2235EST				0	0	0.00K		Winter Storm
10	2100EST								
11	0000EST				0	0	0.00K		High Wind

A strong cyclone sank into the Ohio Valley and then remain near stationary for three days. Two separate cold fronts associated with this low passed through the region. With passage of the first front a rain/snow mix developed. The passage of the second front would encourage more robust snow amounts. A strong pressure gradient around the low would also be the impetus for gusty winds.

13	0155EST	0935EST					0.00K		High Wind
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NCZ018

Watauga

13	0755EST	1315EST					0.00K		High Wind
14	1100EST								
16	0200EST				0	0	0.00K		Winter Storm

NCZ001>006-019> 020

Alleghany - Ashe - Caswell - Rockingham - Stokes - Surry - Wilkes - Yadkin

14	1105EST								
16	0600EST				0	0	0.00K		Winter Storm

NCZ004-005

Rockingham - Stokes

16	0000EST	0500EST					20.0K	0.00K	Strong Wind
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A strong winter storm moved from the southeast U.S. into New England. This resulted in widespread heavy snow in the North Carolina mountains. In the foothills and Piedmont, up to 6 inches of snow fell, but freezing rain accumulations (up to 0.25 of an inch) were more significant. In the wake of the storm, strong winds were observed across the region. Coupled with the icy conditions, this led to numerous traffic accidents and power outages.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NORTH CAROLINA, Northwest and North Central

Wilkes County

1 WNW Boomer 24 1135EST 0 0 5.00K 0.00K Thunderstorm Wind (55EG)
Thunderstorm winds knocked down multiple trees along Boomer Road.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Surry County

7 SW Low Gap 24 1145EST 0 0 0.20K Thunderstorm Wind (50EG)
Thunderstorm winds broke off several large branches from trees. Dime size hail was also reported.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wilkes County

1 NW Wilkes Co Arpt 24 1145EST 0 0 1.00K 0.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked over trees along Congo Road, near the intersection of Crysel Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wilkes County

2 W Elkin 24 1218EST 0 0 Hail (1.00)

Surry County

4 SSW White Plains 24 1225EST 0 0 100.00K Thunderstorm Wind (65EG)
5 NNE Salem 1250EST

This particular storm had very strong winds with much of its life with reports of damaging winds and large hail. The storm went directly through Mt. Airy where numerous trees were blown down in multiple locations. Reports ended in the Flat Rock area where downed trees and power lines were widespread.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Surry County

2 SSE White Plains 24 1234EST 0 0 0.00K 0.00K Hail (1.00)

Surry County

1 WSW Toast 24 1240EST 0 0 0.00K 0.00K Hail (1.75)

Yadkin County

1 WNW Huntsville 24 1307EST 0 0 1.00K 0.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked down trees over Farmington Road in Mocksville.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Stokes County

4 SE Walnut Cove 24 1343EST 0 0 1.00K 0.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked down trees onto Highway 65.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Rockingham County

1 S Mayodan Mayo Arpt 24 1356EST 0 0 5.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked down several trees in Madison.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Rockingham County

1 S Mayodan 24 1356EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)
Several trees were blown down by thunderstorm winds in the Mayodan area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Rockingham County

Stoneville 24 1410EST 0 0 10.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked down several trees and power lines in the Stoneville area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Rockingham County

Ruffin 24 1445EST 0 0 1.50K 0.00K Thunderstorm Wind (50EG)
Thunderstorm winds knocked over three trees in the Ruffin area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NORTH CAROLINA, Northwest and North Central

Caswell County

2 WNW Milesville

24	1515EST				0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds knocked over three or four trees in the Cherry Grove area.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Caswell County

2 E Milton

24	1540EST				0	0	5.00K	0.00K	Thunderstorm Wind (55EG)
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Thunderstorm winds knocked over several trees in the Milton area.

A strong surface low was located over Western Tennessee in the morning. A wedge was in place over the region and expected to be eroded by a strong low level jet. Bulk shear of 60 knots and Storm-Relative Helicity in the 400-600 m**2/s**2 range provided the dynamics for this severe event. With this in place, thunderstorms developed mainly east of the Blue Ridge in the Piedmont. Reports of Thunderstorm wind damage and large hail came in from multiple counties across North Carolina. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

NCZ001-018

Ashe - Watauga

25	0604EST				0	0			High Wind
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A strong upper level storm system situated in the Midwest moved into North Carolina, helping to generate a strong pressure gradient and high winds. The most damaging winds were confined to the highest elevations of the northwest North Carolina mountains.

NORTH CAROLINA, South Coastal

Pender County

1 SSW Highsmith

04	2017EST				0	0	0.00K	0.00K	Flood
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Flooding was reported on Scott Rd. Road was temporarily closed.

A cold front produced slow moving storms and heavy rain.

Brunswick County

6 SSE Mill Creek

07	1341EST				0	0	0.00K	0.00K	Flood
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Flooding was reported on Mirror Lake Drive.

New Hanover County

1 NE Ft Fisher Afs

07	1440EST				0	0	5.00K	0.00K	Flood
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Over half a foot of water was reported to be coming into the yards on General Whiting Blvd. Some water was also getting into basements.

New Hanover County

2 W Masonboro

07	1520EST				0	0	0.00K	0.00K	Flood
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Red Berry Drive was completely flooded.

Pender County

2 NW Highsmith

07	1530EST				0	0	0.00K	0.00K	Flood
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Significant flooding was reported on Fennel Town Road.

Brunswick County

2 ENE Oak Grove
2 S Supply

07	1554EST				0	0	0.00K	0.00K	Flood
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Flooding was reported in the Edgar Wood community in Supply.

Storm Data and Unusual Weather Phenomena

February 2016

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

Brunswick County 2 NW Long Beach

07	1700EST 1830EST				0	0	0.00K	0.00K	Flood
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Several streets were flooded on Oak Island.

Brunswick County 1 E Southport

07	1728EST 1930EST				0	0	0.00K	0.00K	Flood
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Many roads were flooded around Southport.

Low pressure offshore produced wrap around rain and flooding.

Pender County 1 ESE Vista

07	1830EST 2030EST				0	0	25.00K	0.00K	Flash Flood
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One to two feet of flood waters was backing up toward homes on Kingfisher Lane.

Powerful low pressure offshore brought flooding rains to portions of the Cape Fear Region as well as strong winds and even some very light wintry precipitation. The ground was already fairly well saturated and so 2 to 3 inches of rain was enough to cause renewed flooding.

New Hanover County 2 NNE Sea Breeze

07	1830EST 2030EST				0	0	0.00K	0.00K	Flood
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Flooding was reported along Myrtle Grove Road.

Low pressure offshore produced wrap around rain and flooding.

Pender County 2 SW New Topsail Beach 1 ESE Sloop Pt

07	1848EST 2048EST				0	0	90.00K	0.00K	Flash Flood
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Numerous roads were reported flooded and some impassable, from Topsail Beach to Surf City.

Powerful low pressure offshore brought flooding rains to portions of the Cape Fear Region as well as strong winds and even some very light wintry precipitation. The ground was already fairly well saturated and so 2 to 3 inches of rain was enough to cause renewed flooding.

Bladen County 1 WSW Duart

24	1103EST 1104EST				0	0	1.00K	0.00K	Thunderstorm Wind (56MG)
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A weather station measured a wind gust to 65 mph. Gusts reportedly shifted from south to north. Several small tree limbs were also reported down in the area.

Note: The measured wind gust of 56 knots is equivalent to 64 mph.

Columbus County 1 E Tabor City

24	1142EST 1144EST				0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
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Power lines were reportedly down.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Robeson County 2 NW Raemon

24	1649EST 1650EST				0	2	45.00K	0.00K	Thunderstorm Wind (65EG)
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A storm survey was conducted by National Weather Service. The survey concluded that straight-line winds up to 75 mph turned over a trailer on Highway 501. Two people were in the home at the time it was overturned. Both occupants were injured. One received care locally and the other was air lifted to a distant hospital. A chicken coop was also destroyed. Large tree limbs were broken out of about a half dozen pine trees.

Note: The estimated wind gust of 65 knots is equivalent to 75 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Robeson County

2 ESE Elrod

24	1652EST 1653EST				0	0	35.00K	0.00K	Thunderstorm Wind (52EG)
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A storm survey was conducted by National Weather Service. The survey concluded that straight-line winds up to 60 mph toppled a hollow and rotten tree. The tree then fell onto a singlewide trailer on North Chicken Road causing severe damage.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Robeson County

3 WSW Pembroke

3 N Elrod

24	1655EST 1656EST				0	0	8.00K	0.00K	Thunderstorm Wind (52EG)
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Trees and power lines were reportedly down.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Robeson County

2 WSW Pembroke

24	1656EST 1658EST				0	0	25.00K	0.00K	Hail (3.00)
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Hail up to around 3 inches or greater was measured.

Robeson County

1 WNW St Pauls

24	1710EST 1711EST				0	0	3.00K	0.00K	Hail (1.75)
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Hail to the size of golf balls was reported. The time was estimated based on radar data.

Robeson County

1 WNW St Pauls

24	1710EST 1711EST				0	0	3.00K	0.00K	Hail (1.75)
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Hail to the size of golf balls was reported. The time was estimated based on radar data.

Deep low pressure lifting north across the Ohio River Valley brought a warm front through the area during the morning. In the wake of the warm front, the atmosphere destabilized and this helped to bring very strong winds aloft to the surface. Supercells produced some very large hail and damaging winds.

NORTH CAROLINA, Southwest

Transylvania County

1 SW Quebec

03	0930EST 1200EST				0	0	10.00K	0.00K	Flash Flood
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After scattered to numerous showers produced 1.5 to 3 inches of rain across Transylvania County in about 24 hours, an area of widespread heavy rain moved over the area during the morning of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. Stream gauges and county comms center reported flash flooding developed during the late morning and early afternoon along upper portions of the French Broad River and several tributaries, including the Davidson River, South Fork Flat Creek, and the Little River. Quite a few roads were flooded and closed in the Rosman, Brevard, Lake Toxaway, and Penrose areas due to water from these streams.

Buncombe County

1 SSE Kennworth

1 NE Democrat

03	1000EST 1300EST				0	0	10.00K	0.00K	Flash Flood
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After scattered to numerous showers produced up to an inch of rain across Buncombe County in about 24 hours, an area of widespread heavy rain moved over the area during the morning of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. County comms center and the public reported flash flooding due to poor drainage and overflowing small streams developed during the late morning and early afternoon across the area. In Asheville, part of Tunnel Rd was flooded along with several streets in the Biltmore Village area. Lower Grassy Branch Rd was flooded in East Asheville, probably due to stream flooding. Ivy Creek overflowed its banks at Glen Hill Dr in Barnardsville, blocking a mobile home park entrance. County comms reported about 20 roads closed across the county at the height of the event.

Storm Data and Unusual Weather Phenomena

February 2016

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

Henderson County

1 ENE Valley Hill	03	1000EST			0	0	5.00K	0.00K	Flash Flood
2 SW Fruitland		1330EST							

After scattered to numerous showers produced 1 to 2 inches of rain across Henderson County in about 24 hours, an area of widespread heavy rain moved over the area during the morning of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. As a result, flash flooding developed along small streams across the county, including Mud Creek, Bat Fork Creek, and Clear Creek. Mud Creek flooded several streets near the intersection of Highway 25 and 176. Bat Fork Creek flooded several roads near the Hendersonville airport. Clear Creek flooded part of Fruitland Rd. A tributary of Cane Creek flooded Jackson Rd in Fletcher.

McDowell County

1 S Glenwood	03	1015EST			0	0	5.00K	0.00K	Flash Flood
3 SE Nebo		1500EST							

After scattered to numerous showers produced 1 to 1.5 inches of rain across McDowell County in about 24 hours, an area of widespread heavy rain moved over the area during the morning and early afternoon of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. EM reported flash flooding due to poor drainage and overflowing small streams developed as a result. Affected streams included a tributary of Stanfords Creek, which flooded Mud Cut Loop, where a driver had to be rescued after driving into the water. Additionally, Bobs Creek flooded Marlowe Rd, and the bridge over Walton Crawley Branch Rd was washed out over Calico Dr. Flash flooding was also reported along Muddy Creek and South Creek flooded South Creek Rd. Significant flooding due to poor drainage was also reported along Highway 70 in Nebo.

Burke County

1 ENE Bridgewater	03	1045EST			0	0	5.00K	0.00K	Flash Flood
2 NE Calvin		1530EST							

After scattered to numerous showers produced 1 to 1.5 inches of rain across Burke County in about 24 hours, an area of widespread heavy rain and embedded thunderstorms moved over the area during the morning and early afternoon of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. County comms and media reported flash flooding due to poor drainage and overflowing small streams developed as a result. Powerhouse Rd and Highway 126 were flooded in the Glen Alpine area, along with multiple roads in the Morganton area. Lower Creek also flooded part of Antioch Rd near the Caldwell County border.

Rutherford County

1 SSW Rutherfordton	03	1045EST			0	0	2.00K	0.00K	Flash Flood
2 NW Gilkey		1300EST							

After scattered to numerous showers produced 1 to 1.5 inches of rain across western Rutherford County in about 24 hours, an area of widespread heavy rain and embedded thunderstorms moved over the area during the morning and early afternoon of the 3rd, resulting in an additional 1.5 to 2 inches that fell in only a couple of hours. County comms and media reported flash flooding due to poor drainage and overflowing small streams developed as a result, mainly in the Rutherfordton and Union Mills areas. Flooding of Tryon Rd was reported near Clubhouse Dr, possibly as a result of a tributary of Cleghorn Creek overflowing its banks. Flooding was also reported near the intersection of Ridgecrest St and Maple Creek Rd. Painters Gap Rd was flooded due to Mountain Creek overflowing its banks.

Catawba County

Longview	03	1145EST			0	0	2.00K	0.00K	Flash Flood
2 S Newton		1430EST							

After 1.5 to 2 inches of rain fell over the northwest half of Catawba County in just a couple of hours, county comms reported flash reported flash flooding due to poor drainage and overflowing small streams developed in the Hickory and Newton areas.

Mecklenburg County

1 NNW Charlotte	03	1219EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
2 N Clt Wilgrove Arpk Ar		1233EST							

Public reported via Social Media a few trees blown down throughout the city of Charlotte and eastern Mecklenburg County.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Cabarrus County

2 NNW Harrisburg	03	1222EST					5.00K	0.00K	Thunderstorm Wind (50EG)
3 ESE Concord		1233EST			0	0			

EM reported 5 live trees and multiple dead trees blown down throughout the Concord area. Newspaper reported a tree down on the roof of a home on Odell School Rd.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Caldwell County

1 NNE Hartland	03	1230EST					5.00K	0.00K	Flash Flood
Lenoir		1530EST			0	0			

After scattered to numerous showers produced around an inch of rain across Caldwell County in about 24 hours, an area of widespread heavy rain and embedded thunderstorms moved over the area during the morning and early afternoon of the 3rd, resulting in an additional 1.5 inches or so that fell in only a couple of hours. County comms, media, and spotters reported flash flooding due to poor drainage and overflowing small streams developed as a result. Affected streams included Celia Creek near Gamewell and the Yadkin River and its tributaries in the Patterson area, which overtopped a bridge on Indian Grave Rd. Multiple roads were closed in other parts of the area, including Lenoir.

Rowan County

2 E Gold Hill	03	1300EST					0.00K	0.00K	Thunderstorm Wind (50EG)
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Spotter reported multiple large tree limbs blown down, some as large as 6 inches in diameter.

A strong, moist southerly flow up the Blue Ridge escarpment resulted in scattered to numerous showers throughout the 2nd, and by the early morning hours of the 3rd, rainfall of 1.5 to 3 inches had fallen across the Blue Ridge. A line of heavy showers and isolated thunderstorms then moved across the area in association with a cold front during the morning of the 3rd, and produced another 1.5 to 2 inches in just a couple of hours. This resulted in flash flooding across portions of the area. Storms intensified along the cold front as it swept across the Piedmont during the afternoon, with a few severe storms reported. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NCZ033-048>052-058>059-062

Avery - Graham - Haywood - Macon - Madison - Mitchell - Northern Jackson - Swain - Yancey

08		0400EST					0.00K	0.00K	Winter Weather
11		0000EST			0	0			

A moist northwest flow developing in the wake of a strong arctic cold front brought a protracted period of scattered to numerous snow showers to the far western mountains of North Carolina. Although snow showers developed off and on over a 60 hour period, most valley locations received rather light accumulations, generally of 2-5 inches, with locally higher amounts reported close to the Tennessee border. This was especially the case over northern Madison County, where a small band of moderate to heavy snow developed off and on, and some locations saw storm total amounts of as much as a foot there. Otherwise, the highest totals were found above 4000 feet, where storm total amounts ranged from 12-18 inches.

10		2200EST					0.00K	0.00K	Cold/Wind Chill
13		1200EST			0	0			

NCZ049-050

Mitchell - Yancey

10		2200EST					0.00K	0.00K	Cold/Wind Chill
13		1200EST			0	0			

An arctic cold front that moved across western North Carolina on the 8th was reinforced by another surge of cold air on the 10th, which also brought gusty northwest winds. Air temperatures in the lower teens combined with winds gusting to 20 to 30 mph to produce winds chills of -5 to -10 across much of the northern mountains from late evening on the 10th through mid-morning on the 11th. Some of the high peaks and ridge tops likely saw wind chills of around -20 or lower. Although wind chills increased by noon on the 10th, and remained above 0 through the 12th, unusually cold temperatures persisted, as most locations remained below freezing through this period. Another reinforcing arctic surge then occurred early on the 13th, bringing another round of gusty winds, colder air, and wind chill values in the -5 to -15 range to much of the area.

NCZ036-053-056>057-064-068>072-082-508-510

Buncombe - Cabarrus - Catawba - Cleveland - Davie - Eastern Polk - Gaston - Greater Rutherford - Iredell - Lincoln - Mecklenburg - Rowan - Transylvania - Union

15		1000EST					0.00K	0.00K	Winter Weather
16		0000EST			0	0			

Storm Data and Unusual Weather Phenomena

February 2016

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

Very light freezing rain, freezing drizzle, and freezing mist developed across portions of western North Carolina during the morning, in association with low pressure developing along a warm front across the Gulf Coast states/Tennessee Valley. Despite the very light nature of the precipitation, due to about a week of unseasonably cold weather, the precipitation froze to surfaces very quickly, and roads became very slick, resulting in numerous traffic accidents. Although precipitation rates increased during the evening, as the warm front gradually pushed north into the area, temperatures warmed above freezing in many locations, allowing much of this heavy precip to fall as rain. Most locations saw less than a tenth of an inch of ice accretion, although some locations across the foothills and far northern Piedmont approached a quarter inch, with a few downed trees, lines, and power outages reported.

**NCZ035-065-501>
507-509**

Alexander - Burke Mountains - Caldwell Mountains - Eastern McDowell - Greater Burke - Greater Caldwell - Henderson - McDowell Mountains - Polk Mountains - Rutherford Mountains

15	1100EST								
16	0400EST				0	0	0.00K	0.00K	Ice Storm

Very light freezing rain, freezing drizzle, and freezing mist developed across the Blue Ridge of western North Carolina during late morning, in association with low pressure developing along a warm front across the Gulf Coast states/Tennessee Valley. Owing to about a week of unseasonably cold weather, the precipitation froze to surfaces very quickly, and roads became very slick, resulting in numerous traffic accidents. The freezing rain rates increased during the evening, and moderate to heavy freezing rain continued through the overnight hours. By the pre-dawn hours of the 16th, total ice accretion ranged from one-quarter to one-half inch across the area. This resulted in quite a few trees and power lines, with at least scattered power outages reported.

NCZ051-064>065

Haywood - Henderson - Swain - Transylvania

24	0900EST								
	1900EST				0	0	0.00K	0.00K	High Wind

Very strong west/northwest winds developed across the mountains of southwest North Carolina, northeast Georgia, and Upstate South Carolina behind a cold front during the morning, and continued through the afternoon and into the evening before diminishing. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages.

Rutherford County
4 SE Harris Spicers Arpt
1 ENE Cliffside

24	1036EST								
	1041EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)

County comms reported multiple trees blown down across the southeast part of the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Cleveland County
1 E Pottville
1 NNE Belwood

24	1100EST								
	1109EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)

Media and county comms reported numerous trees and large limbs blown down across the northern part of the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Burke County
2 WNW Rutherford College
Icard

24	1103EST								
	1108EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)

Media reported multiple trees and power lines blown down near Lovelady Rd and Crescent St in Valdese and trees down and blocking traffic on I-40 near Icard.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Catawba County
3 W Propst Xrds
1 E Longview

24	1120EST								
	1129EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)

County comms and newspaper reported trees and power lines blown down on Providence Church Rd, and at least one tree down on 10st Ave SW in Hickory, which fell on and damaged a home.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Alexander County

1 E Bethlehem	24	1136EST					0.00K	0.00K	Thunderstorm Wind (55EG)
2 NE Vashti		1155EST			0	0	0.00K	0.00K	

County comms reported numerous trees blown down across Alexander County.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Lincoln County

1 S Southside	24	1155EST					0.00K	0.00K	Thunderstorm Wind (50EG)
2 SSW Pumpkin Center		1200EST			0	0	0.00K	0.00K	

HAM Radio operator reported trees blown down and blocking Gastonia Highway and Asbury Church Rd.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Catawba County

1 E Cotton Factory	24	1159EST					25.00K	0.00K	Thunderstorm Wind (50EG)
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Multiple trees were blown down on Old Mill Rd.

A strong cold front swept across the western Carolinas during the morning and afternoon of the 24th. Showers and thunderstorms developing along the front produced locally damaging winds, especially across the Piedmont. However, more widespread strong winds, stronger than the thunderstorm winds in some areas, developed on the cool side of the front. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NCZ035-068-070> 071-082-502

Alexander - Cleveland - Gaston - Greater Caldwell - Iredell - Mecklenburg - Union

24	1200EST	2000EST					20.0K	0.00K	High Wind
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Very strong west/northwest winds developed across the portions of the northern foothills and western Piedmont during the afternoon in the wake of a cold front. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages. Some minor roof damage also occurred, including sections of roof peeled off small businesses in Lowell (Gaston County) and Shelby (Cleveland County) and off a mobile home near Love Valley (Iredell County).

Iredell County

2 NNW Mooresville Arpt	24	1219EST					0.00K	0.00K	Thunderstorm Wind (50EG)
2 N Elmwood		1235EST			0	0	0.00K	0.00K	

County comms reported scattered trees blown down throughout the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Mecklenburg County

1 SE Douglas Muni Arpt	24	1227EST					25.00K	0.00K	Thunderstorm Wind (50EG)
2 SSE Charlotte		1233EST			0	0	25.00K	0.00K	

Media and the public (via social media) reported multiple trees blown down across the west side and near Uptown Charlotte. A tree fell on a home on West Blvd and another tree fell on a condominium unit on Vision Dr. A car was damaged by a falling tree on Woodcrest Ave. Trees were also blown down on I-77.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Davie County

1 SW Bixby	24	1243EST					5.00K	0.00K	Thunderstorm Wind (55EG)
Farmington		1253EST			0	0	5.00K	0.00K	

Spotter reported numerous trees and power lines, along with some power poles blown down from west of Mocksville to the Farmington area. One tree fell on a carport near Sheffield.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Union County

1 NE Waxhaw	24	1314EST					0.00K	0.00K	Thunderstorm Wind (50EG)
1 N Unionville		1332EST			0	0	0.00K	0.00K	

County comms reported multiple trees and power lines blown down.

Storm Data and Unusual Weather Phenomena

February 2016

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

A strong cold front swept across the western Carolinas during the morning and afternoon of the 24th. Showers and thunderstorms developing along the front produced locally damaging winds, especially across the Piedmont. However, more widespread strong winds, stronger than the thunderstorm winds in some areas, developed on the cool side of the front. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

NORTH DAKOTA, Central and West

**NDZ001>003-009>
012-017>022-031>
034-040>045**

**Adams - Billings - Bowman - Burke - Divide - Dunn - Golden Valley - Grant - Hettinger - McHenry -
McKenzie - Mclean - Mercer - Morton - Mountrail - Oliver - Renville - Sheridan - Sioux - Slope - Stark -
Ward - Williams**

06	1400CST								
07	1800CST			0	0	0.00K	0.00K	High Wind	

**NDZ004-013-023-
025-035>037-046>
048-050>051**

**Bottineau - Burleigh - Dickey - Emmons - Foster - Kidder - La Moure - Logan - McIntosh - Pierce -
Rollette - Stutsman - Wells**

07	0000CST			0	0	0.00K	0.00K	High Wind	
	1800CST								

Deep low pressure moved over northeast Minnesota while a pair of strong cold fronts moved through North Dakota. This produced two surges of strong winds across all of western and central North Dakota. The strongest wind gusts of 68 mph were reported in Oliver and Morton counties.

NDZ040-043-044

Adams - Bowman - Slope

18	2200CST								
19	1900CST			0	0	0.00K	0.00K	High Wind	

**NDZ017>019-031-
033-041**

Dunn - Golden Valley - Hettinger - McKenzie - Mercer - Stark

19	1420CST			0	0	0.00K	0.00K	High Wind	
	1900CST								

Low pressure moved across southern Alberta into Saskatchewan and a secondary low developed over Minnesota. The initial brief period of strong winds over far southwest North Dakota developed overnight as a warm front with showers lifted through the area. The winds diminished quickly, though re-developed in the wake of the passing cold front during the afternoon hours.

NORTH DAKOTA, East

**NDZ007-016-027-
029>030-039-053>
054**

Cass - Cavalier - Eastern Walsh - Grand Forks - Pembina - Richland - Steele - Traill - Western Walsh

07	0300CST			0	0			Blizzard	
	1546CST								

An Alberta Clipper tracked across southern Manitoba and into the western Great Lakes on the 7th. A couple of inches of light snow fell with the system, but the bigger problem was the strong northwest winds. 50 mph wind gusts and whiteout conditions were reported from early in the morning of the 7th through the mid afternoon hours. Only the northern Red River Valley had blizzard conditions beyond the mid afternoon. The Pembina to Crookston to Ada corridor held onto blizzard conditions until the morning of the 8th.

NDZ006-014-024-

Barnes - Benson - Eddy - Griggs - Nelson - Ramsey - Ransom - Sargent - Towner

**026-028-038-049-
052**

07	1006CST			0	0	0.00K	0.00K	High Wind	
	2134CST								

An Alberta Clipper tracked across southern Canada and into western Lake Superior by late in the afternoon of February 7th. Strong northwest winds occurred from Devils Lake down through Lisbon and Forman throughout the day and into the early evening before subsiding.

Storm Data and Unusual Weather Phenomena

February 2016

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

OHZ039-041

Columbiana - Tuscarawas

13	0000EST				0	0		0.00K	Cold/Wind Chill
	1000EST								

Arctic air and strong winds produced wind chills from 10 to more than 20 degrees below zero the morning of the 13th across eastern Ohio, western Pennsylvania, northern West Virginia, and Garrett county Maryland.

OHZ041

Columbiana

15	2000EST								
16	1300EST				0	0		0.00K	Heavy Snow

Low pressure moved north through the Upper Ohio Valley the night of the 15th into the morning of the 17th. A swath of heavy snow fell in a band from Columbiana county in Ohio to Forest county on Pennsylvania, with a general 6 to 12 inches of snow. A lesser band of snow from 2 to 4 inches fell south and west across eastern Ohio from New Philadelphia to Zanesville. Elsewhere freezing rain was dominate across the rest of western Pennsylvania into the ridges of northern West Virginia, and Garrett county Maryland. Significant ice accumulation over one quarter of an inch occurred in Clarion and Jefferson counties in Pennsylvania, with lesser amounts elsewhere.

OHIO, North

OHZ012>014-089

Ashtabula - Ashtabula Lakeshore - Geauga - Lake

09	1900EST								
11	0000EST				0	0	600.0K	0.00K	Lake-Effect Snow

Cold northwest winds blowing across Lake Erie caused lake effect snow showers to develop during the evening hours of February 9th. The snow began to intensify during the early morning hours of the 10th. Heavy snow fell during the daylight hours of the 10th with visibilities most of the time under a mile and sometimes as low as a quarter mile. Snowfall rates during that period were in excess of an inch per hour. The snow showers tapered off late on the 10th and early on the 11th. A swath of 6 to 10 inches of snow was reported from Lake County across northern Geauga County into Ashtabula County. Peak totals included 11.3 inches at Madison in Lake County with 13.9 inches at Conneaut in Ashtabula County. In Geauga County some of the higher totals included 13.8 inches north of Chardon, 13.0 inches at Burton and 10.5 inches in Montville Township. Some schools in Northeast Ohio had to be closed because of the snow. Many accidents were reported.

OHZ014-022-033

Ashtabula - Mahoning - Portage - Trumbull

15	1600EST								
16	1100EST				0	0	1.15M	0.00K	Heavy Snow

An area of low pressure moved from the Gulf Coast up the west side of the Appalachians and across western Pennsylvania on February 15th and 16th bringing the first heavy synoptic snow of the season to northeastern Ohio. The snow spread into southern Mahoning County during the early evening hours and by midnight had reached Ashtabula County. The snow intensified overnight as the low approached Pittsburgh with wet heavy snow falling over the eastern end of Ohio. Visibilities from late evening on the 15th through daybreak on the 16th were less than a mile and at times less than one half mile. The snow quickly ended from west to east during the late morning hours. More than six inches of snow fell east of a line from Portage County to central Ashtabula County. The highest totals were over eastern Mahoning County where 12 inches of snow was reported at Struthers and 10.5 inches reported at Poland. Other peak totals included 8 inches at Diamond in Portage County, 8.5 inches at Warren in Trumbull County with 8 inches at Dorset in Ashtabula County. Officially, 7.5 inches of snow was measured at the Youngstown-Warren Regional Airport in Trumbull Airport. Numerous accidents were reported during this event along with a few power outages. Many schools were closed on the 16th.

OHIO, Southeast

Lawrence County

2 NE North Kenova
1 S Sheridan

03	0715EST								
	0900EST				0	0	5.00K	0.00K	Flash Flood

Solida Creek overflowed and caused minor flash flooding. County Route 18 was closed. School buses had to turn around.

Ahead of a cold front, rain showers fell on either side of dawn on the 3rd. Dew points were in the 50 to 55 degree range ahead of the front.

The heaviest rain fell over extreme southern Lawrence County in about a 2 to 3 hour time frame. Less rain fell further north. For example, South Point measured 1.2 inches.

Minor flash flooding occurred in southern Lawrence County and closed roads.

Storm Data and Unusual Weather Phenomena

February 2016

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

OHZ066-076-084> 085

Meigs - Morgan - Perry - Vinton - Washington

08	2100EST								
09	1500EST				0	0	0.00K	0.00K	Heavy Snow

Ahead of a large mid and upper level trough, rain showers changed to snow showers during the evening of the 8th. Bands of snow showers were most persistent near the Route 50 corridor. The heaviest snow occurred on either side of dawn on the 9th, with temperatures in the 20s.

By midday on the 9th, snow accumulations of 4 to 6 inches were common across Vinton, Athens, Perry, Morgan, Washington, and the northern half of Meigs. One unofficial report of 8 inches was received from northeast of Stewart in Athens County. Further south, snow accumulations of only 1 to 2 inches fell across Jackson, Gallia, and Lawrence Counties.

As the air turned colder, occasional snow showers lingered into the 10th, but added little additional accumulation.

OHZ087

Lawrence

14	1600EST								
	2315EST				0	0	0.00K	0.00K	Heavy Snow

OHZ083-086

Gallia - Jackson

14	1615EST								
	2300EST				0	0	0.00K	0.00K	Winter Weather

Strong warm advection, north of a warm front in Tennessee, caused snow to develop across eastern Kentucky and extreme southern Ohio during late Sunday afternoon the 14th.

An enhanced west to east band of snow fell during the evening, and clipped Lawrence County before diminishing after 2200E. Four to 5 inches of snow fell there. For example, Waterloo measured 5 inches. Unofficial measurements included 5 inches in Ironton.

North of Lawrence County, accumulations diminished. Snow accumulations of 2 to 3 inches were common across Jackson and Gallia Counties, with even less further north.

A lull occurred late at night and during the morning of the 15th. A strong low pressure wave lifted north, increasing the rain during the late afternoon and evening of the 15th. Rain amounts of 1.25 to 1.5 inches fell in Lawrence and Gallia Counties, with lesser amounts further north. The rain and snow melt caused strong rises on streams, but notable flooding did not occur. The final act in this episode, was the rain transitioning to a period of wet snow during the predawn of the 16th. An inch or 2 of accumulation occurred across portions of southeast Ohio.

Lawrence County

Hanging Rock 1 NNW Bradrick

21	0900EST								
22	0300EST				0	0	75.00K	0.00K	Flood

The headwater creeks, such as Little Pine and Ellisonville Creek, flooded and closed roads around Pedro, including Routes 93 and 650. One elderly woman, not familiar with the area, drove her small vehicle into high water and stalled. The local fire department rescued her, while other vehicles were still driving through the high water.

Larger creeks, such as Symmes and Indian Guyan Creeks, flooded and closed roads through the afternoon and into the night. This included Route 141. The gauge at Aid on Symmes Creek rose about 8 feet, but crested below the 19 foot bankfull reading, early on the 22nd.

Gallia County

Cadmus 6 SSW Sand Fork

21	0930EST								
	2315EST				0	0	20.00K	0.00K	Flood

Across the southern portion of the county, Indian Guyan Creek overflowed and closed Route 218, while Rocky Fork flooded Route 775.

Strong support in the winds above the ground, caused showers and thunderstorms to form in the lower Ohio Valley during the evening of the 20th. Dew points were in the low and mid 50s.

Storm Data and Unusual Weather Phenomena

February 2016

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

The cluster of showers, with a few embedded thunderstorms, streaked through southern Ohio from 0300E to 1200E on the 21st.

A narrow west to east band of enhanced rain fell across central Lawrence County into southern Gallia County. An automatic rain gauge in Dean State Forest of Lawrence County measured 1.42 inches of rain in 8 hours. The cooperative observer in Waterloo measured 1.45 inches.

Streams overflowed and closed roads.

OHIO, Southwest

OHZ061-063>065-070>074-077>078

Butler - Clermont - Clinton - Fairfield - Fayette - Hamilton - Hocking - Montgomery - Pickaway - Ross - Warren

08	1500EST								
09	1100EST			0	0				Winter Storm

OHZ042-051>056-060-062-079>082-088

Adams - Brown - Champaign - Clark - Darke - Franklin - Greene - Highland - Licking - Madison - Miami - Pike - Preble - Scioto

08	1500EST								
09	1100EST			0	0	0.00K	0.00K		Winter Weather

An upper level low pressure system centered in northwest Ohio saw disturbances rotate through it in the afternoon of Monday, February 8th. Snow showers in the region saw some accumulations in the afternoon and evening. Rain and snow mixed in the lower Scioto Valley had a changeover in the evening. A narrow band of moderate to heavy snow set up overnight along route 22 between Cincinnati and Lancaster, producing notably higher snowfall amounts.

OHZ077-081>082-088

Adams - Clermont - Hamilton - Pike - Scioto

14	1600EST								
	2300EST			0	0				Winter Storm

OHZ044-051-053-055-060>065-070>074-079>080

Brown - Butler - Clark - Clinton - Fairfield - Fayette - Franklin - Greene - Highland - Hocking - Logan - Miami - Montgomery - Pickaway - Preble - Ross - Warren

14	1600EST								
	2300EST			0	0	0.00K	0.00K		Winter Weather

A quick moving band of moderate to occasionally heavy snow impacted the area during the afternoon and early evening hours on Sunday, February 14, 2016. The snow fell in a 4 to 6 hour period, producing 2 to 4 inches of snowfall across southwest and far southern Ohio.

OHZ088

Scioto

15	2100EST								
16	1000EST			0	0				Winter Storm

OHZ045-053>056-063>065-072>074-079>082

Adams - Brown - Clark - Clinton - Delaware - Fairfield - Fayette - Franklin - Highland - Hocking - Licking - Madison - Pickaway - Pike - Ross - Union

15	2100EST								
16	1000EST			0	0	0.00K	0.00K		Winter Weather

A low pressure center developed over the southeastern United States and tracked towards Pennsylvania on the evening of Monday, February 15th. The western edge of the precipitation shield associated with this system affected the Scioto Valley and portions of northern Kentucky east of Maysville.

OHZ070-077-078

Butler - Clermont - Hamilton

19	0800EST								
	1800EST			0	0	30.5K	0.00K		Strong Wind

Strong winds were found across the area on Friday, February 19th. Numerous power outages occurred when trees were blown down. At one point in time, over 7400 power outages were reported in southwest Ohio.

Storm Data and Unusual Weather Phenomena

February 2016

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

Hamilton County Blue Ash

24	0500EST 0530EST				0	0	20.00K	0.00K	Heavy Rain
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A large tree came up by its roots and fell into the roof of a home. Part of the roof collapsed, damaging the bathroom ceiling. The back deck and gutters were also damaged.

An area of heavy rain developed ahead of a strong low pressure system.

OHZ026-034-042-044-052-056-061-065-071>072-080

Champaign - Clark - Clinton - Darke - Fairfield - Hardin - Highland - Licking - Logan - Mercer - Montgomery - Warren

24	1700EST				0	0	0.00K	0.00K	Winter Weather
25	0900EST				0	0	0.00K	0.00K	Winter Weather

An area of showers changed from rain to snow on Wednesday evening, February 24th. They decreased in coverage overnight before ending on Thursday. Accumulations were generally between a half inch to an inch-and-a-half in much of southwest Ohio.

Scioto County 2 SSW Clifford

29	0128EST 0133EST				0	0	0.50K	0.00K	Thunderstorm Wind (39EG)
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One 4.5 inch diameter tree limb was knocked down near Lucasville. In addition, some unsecured lawn items were blown around.

A line of showers with gusty winds developed ahead of a fast moving cold front. Note: The estimated wind gust of 39 knots is equivalent to 45 mph.

OKLAHOMA, Eastern

OKZ073-075

Latimer - Pittsburg

08	1100CST 2300CST				0	0	0.00K	0.00K	Wildfire
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Warm, dry, and windy conditions combined with dormant vegetation resulted in the rapid spread of wildfire on February 9th. Over 1000 acres were burned in a fire in Pittsburg County and over 600 acres were burned in Latimer County by a wildfire. No structures were known to be involved in either fire.

OKZ049-064-068-074-075

Cherokee - Creek - Haskell - Latimer - Pushmataha

15	1000CST				0	0	0.00K	0.00K	Wildfire
16	0700CST				0	0	0.00K	0.00K	Wildfire

Warm, dry, and windy conditions combined with dormant vegetation resulted in the rapid spread of wildfire on February 15th. Over 700 acres were burned in a fire in Creek County, over 800 acres were burned in Pushmataha County, over 600 acres were burned in Cherokee and Latimer Counties, and over 300 acres were burned in Haskell County. No structures were known to be involved in any of the fires.

OKZ059-065-075

Latimer - Okfuskee - Okmulgee - Pawnee

18	1000CST				0	0	250.0K	0.00K	Wildfire
19	2200CST				0	0	250.0K	0.00K	Wildfire

Warm, dry, and very windy conditions, combined with dormant vegetation resulted in the rapid spread of wildfire on February 18th. Wildfires burned over 20,000 acres of land in Okfuskee County, which destroyed several outbuildings. Several thousands of acres were burned in Okmulgee County, which also destroyed outbuildings. In Pawnee County, more than 3300 acres were burned by wildfire, also destroying several outbuildings. Over 500 acres were burned in Latimer County.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western Central and Southeast

Payne County

Glencoe

01	2240CST				0	0	4.00K	0.00K	Thunderstorm Wind (52EG)
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Winds damaged a lightweight tin roof, fences, and utility poles.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Pottawatomie County

8 ESE Pink

01	2310CST				0	0			Thunderstorm Wind (52EG)
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Tree limbs broken by winds.

Storms formed along an eastward moving cold front on the evening of the 1st. One of them produced severe winds. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

OKZ031-040

Garvin - Seminole

08	1200CST				0	0	5.0K		Wildfire
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Amidst windy and dry conditions, grass fires burned 325 acres and an out-building in Seminole county as well as 400 acres in Garvin county on the 8th.

OKZ048

Atoka

11	1200CST				0	0			Wildfire
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Amidst windy and dry conditions, grass fires burned 325 acres in Atoka county on the 11th.

OKZ010

Woodward

18	1200CST				0	0			Wildfire
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With winds of 30 to 35 mph gusting to more than 40 mph and rh values in the 20's and 30's, grass fires burned 17,280 acres in Woodward county, approximately two miles northwest of Buffalo, on the 18th.

OKZ013-048

Atoka - Noble

28	1200CST				0	0			Wildfire
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Amidst windy and dry conditions, grass fires burned 780 acres in Atoka county, 330 acres in Noble county, and 740 acres in Noble county on the 28th.

Kingfisher County

1 ENE Okarche

29	2045CST				0	0			Thunderstorm Wind (51MG)
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No damage reported.

Note: The measured wind gust of 51 knots is equivalent to 59 mph.

Kiowa County

1 SW Cooperton

29	2135CST				0	0			Hail (1.75)
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No damage was reported.

Comanche County

2 E Elgin

29	2218CST				0	0			Hail (1.50)
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No damage reported.

Comanche County

Elgin

29	2245CST				0	0			Hail (1.25)
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Grady County

4 S Rush Springs

29	2255CST				0	0			Hail (1.75)
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No damage reported.

Grady County

4 S Rush Springs

29	2255CST				0	0			Thunderstorm Wind (52EG)
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No damage reported.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

OKLAHOMA, Western Central and Southeast

Comanche County

3 ESE Elgin

29	2257CST				0	0			Hail (2.00)
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No damage reported.

Grady County

6 S Rush Springs

29	2258CST				0	0	0.00K	0.00K	Hail (1.25)
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Grady County

2 S Cox City

29	2320CST				0	0			Hail (2.00)
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No damage reported.

A line of storms formed along a boundary in the Texas panhandle on the evening of the 29th and moved eastward across Oklahoma through the night into March 1st. Storms were enhanced by a strengthening low level jet overnight, and some of them produced severe hail and winds.

OREGON, Central and East

ORZ044

Lower Columbia Basin

19	1430PST				0	0	150.0K	0.00K	Strong Wind
	1435PST								

A convective, but non-thunder producing squall line pushed through the Hermiston and Pendleton area. Strong winds were associated with this squall. Spotters reported damage to roofs at the Hospital in Hermiston, as well as a shed and an electric company car was blown over. Air conditioner blown off a roof at the Hermiston Cinema. A 53 MPH wind gust reported at KHRI.

OREGON, Northwest

ORZ001-002

Central Oregon Coast - Northern Oregon Coast

05	1317PST				0	0	0.00K	0.00K	High Wind
	1759PST								

A low level jet ahead of an occluded front produced several hours of strong winds to the North Oregon coast.

OREGON, Southwest

ORZ028>030

Klamath Basin - Northern & Eastern Klamath & Western Lake - Siskiyou Mountains & Southern Oregon Cascades

17	0440PST				0	0	0.00K	0.00K	High Wind
	1753PST								

One of the last of a series of fronts brought high winds to portions of southwest and south central Oregon.

ORZ031

Central & Eastern Lake

18	1428PST				0	0	0.00K	0.00K	High Wind
19	1803PST								

ORZ021-028

Coastal Curry - Siskiyou Mountains & Southern Oregon Cascades - South Central Oregon Coast

19	0314PST				0	0	0.00K	0.00K	High Wind
	0813PST								

The last of a series of fronts brought high winds to portions of southwest and south central Oregon.

Storm Data and Unusual Weather Phenomena

February 2016

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

PAZ058-066

Lancaster - Schuylkill

08	1900EST								
09	2000EST				0	0	0.00K	0.00K	Winter Storm

A complex winter storm produced 5 to 8 inches of snow across the Lower Susquehanna Valley, with lighter amounts to the north and west.

PAZ004>006-037-041>042

McKean - Northern Lycoming - Potter - Sullivan - Tioga - Warren

13	0400EST								
14	1100EST				0	0	0.00K	0.00K	Extreme Cold/Wind Chill

An arctic airmass combined with gusty winds resulted in frigid temperatures and dangerous wind chills across central Pennsylvania.

PAZ059

Lebanon

13	0925EST								
14	0700EST				0	0	0.00K	0.00K	Winter Weather

A snow squall combined with blowing snow produced sudden whiteout conditions along Interstate 78 in Lebanon County on Saturday morning, February 13, 2016. The rapid change in conditions and visibility resulted in a 64-car pileup that killed three people, injured 70 and closed I-78 for nearly 24 hours.

PAZ004-010>012-017>018-024>025-033>036-045>046-057-059-065>066

Bedford - Blair - Cambria - Cameron - Clearfield - Dauphin - Elk - Franklin - Fulton - Lancaster - Lebanon - Northern Centre - Northern Clinton - Somerset - Southern Clinton - Southern Lycoming - Warren - York

15	1200EST								
16	1000EST				0	0	0.00K	0.00K	Winter Storm

A winter storm developed over the Gulf Coast states and tracked northeastward up the spine of the Appalachians and across central Pennsylvania from Monday, February 15 to Tuesday, February 16, 2016. This storm spread a couple inches of snow across central Pennsylvania on Monday, which changed over to a wintry mix of sleet and freezing rain Monday night. Much of central PA changed over to plain rain on Tuesday, although Warren and McKean counties changed back to snow as colder air wrapped in behind the departing system. Northwestern PA received significant snowfall, while portions of central PA received significant icing.

Perry County 2 SSE Landisburg

24	1740EST				0	0	1.00K	0.00K	Thunderstorm Wind (56EG)
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A squall line with peak thunderstorm winds around 65 mph produced straight-line wind damage near Landisburg. The thunderstorm winds knocked down dozens of large tree limbs and uprooted several trees along Route 74 near the bridge over Shermans Creek. A shed was destroyed by the wind and shingles were torn off of a roof. The trees fell in a unidirectional pattern, aligned from southwest to northeast. No injuries were reported.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

York County 1 W Wellsville

24	1810EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

Thunderstorm winds estimated near 60 mph knocked down numerous trees across the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Dauphin County 1 E Progress Penbrook

24	1824EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

Thunderstorm winds estimated near 60 mph knocked down tree across exit ramp at the intersection of I-83 and Union Deposit Rd.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

York County 1 ESE Nashville

24	1824EST				0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds estimated near 60 mph knocked down a tree onto a house along Route 116 in Jackson Township.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
PENNSYLVANIA, Central									
York County									
1 N Dallastown	24	1830EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph knocked down trees near Dallastown.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lycoming County									
1 N Hughesville	24	1835EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph knocked down several trees in Hughesville.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Montour County									
2 N Exchange	24	1835EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph knocked down numerous trees down along Muncy-Exchange Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
York County									
1 W Wago Jct	24	1835EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph blew a roof off of a barn in East Manchester Township.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lancaster County									
1 ESE Marietta Afs	24	1843EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Spotter in Marietta reported an estimated thunderstorm wind gust of 60 mph.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Lancaster County									
1 SE Florin	24	1845EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph produced structural damage in Mount Joy Township and Elizabethtown borough.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lebanon County									
1 SSE Greble	24	1905EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph knocked down telephone poles along Houtzdale Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lancaster County									
1 ENE Hamilton Park	24	1918EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
Thunderstorm winds estimated near 60 mph knocked down numerous trees across the county.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lancaster County									
1 E White Horse	24	1932EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Delete this in-lieu of tornado damage.									
A deep low pressure system tracked northeast through the Ohio Valley and into the eastern Great Lakes on Wednesday, February 24, 2016. A squall line developed ahead of the main cold front near the axis of a 70+KT low-level jet, which contributed to a high shear/low CAPE environment. The squall line produced 50-65 mph wind gusts and subsequent thunderstorm wind damage across portions of the lower Susquehanna Valley. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Lancaster County									
2 N Gap	24	1938EST							
1 E South Hermitage		1945EST	4.87	400	0	0	8.00M	0.00K	Tornado (EF2)

Storm Data and Unusual Weather Phenomena

February 2016

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

A survey team from the National Weather Service in State College confirmed an EF-2 tornado near White Horse in Salisbury Township, Lancaster County on February 24, 2016. The tornado touched down one-half mile southwest of the intersection of Amish Road and Spring Garden Road then travelled to the northeast at a speed of around 50 mph, staying on the ground for 7 minutes. An estimated 50 buildings sustained damage along the path of the tornado. Two large farm outbuildings and one two-story residence sustained major roof damage near the intersection of Amish Road and Spring Garden Road. This marked the transition of the tornado from EF-1 to EF-2. A van with several passengers travelling west on Spring Garden Road near the same intersection was blown about 10 feet to the north of the road into a field. Approximately one-half mile to the northeast along Millwood Road, additional EF-2 damage occurred as roofs were blown off several farm outbuildings, barns and one two-story residence. A pine tree located in the front yard of this house was stripped of most of its branches and foliage, with only a few larger bare limbs remaining. A wooden barn behind the residence was completely destroyed with substantial debris carried several hundred yards to the northeast across a field. Mid-to-high end EF-1 damage to roofs was noted to several farm buildings and homes along the east-west portion of Millwood Road and along Old Philadelphia Pike near School Lane Road. A significant amount of debris in the form of crumpled sheet metal from roofs was scattered across fields adjacent to Meeting House Road to the north of Old Philadelphia Pike. A second area of concentrated EF-2 damage was noted near the intersection of Seldomridge Road and Cambridge Road. The tornado knocked over several large granite tombstones in a cemetery, then stripped about one-quarter of the roof off a large building where more than 100 people were attending an auction. The final location of EF-2 damage was noted along Kauffroth Road just a few hundred yards to the north of the intersection with Seldomridge Road. It was here where a large one-room metal amish school was completely destroyed and blown about 100 yards uphill into a field. The tornado began to weaken from this point with the final EF-1 damage noted near the intersection of Gault Road and Rosehill Drive, where significant damage occurred to roofs and siding on several homes and sheds. Numerous softwood trees were also uprooted at the end of the tornado path about 100 yards to the north of Thistle drive. The tornado was rated as a high-end EF-2, with peak winds estimated at 125 mph. There were no injuries or fatalities.

A National Weather Service survey team confirmed an EF2 tornado touched down near the town of White Horse in Salisbury Township on the evening of Wednesday, February 24, 2016. The tornado touched down near Amish Road just west of Spring Garden Road, traveling northeastward for approximately 5 miles before lifting near a residential development on Rosehill Drive. An estimated 50 buildings sustained damage. Maximum wind speed 125 mph.

PENNSYLVANIA, East

PAZ070-104-106

Delaware - Eastern Montgomery - Lower Bucks - Philadelphia

05	0100EST							
	0700EST			0	0			Winter Weather

Precipitation associated with a low pressure system moving north along a nearby offshore front began as light rain during the evening hours on the 4th, then turned to snow from northwest to southeast during the overnight hours. Locations near the shore received more precipitation, and more snow, given their closer proximity to the storm. A heavy, wet snow began accumulating before or near the beginning of the morning rush, and so transportation was effected until the snow was able to turn mush on area roads with increased traffic.

09	1130EST							
10	0700EST			0	0			Heavy Snow

PAZ101-102

Eastern Chester - Western Chester

09	1130EST							
10	0600EST			0	0			Heavy Snow

Immediately in the wake of a much stronger storm system moving northeast away from the area, another weaker low pressure system developed along the mid-Atlantic coast on February 9th. This surface low, in combination with a broad mid-level trough over the northeast quadrant of the country, produced periods of snow beginning in the mid-morning hours on the 9th and ending a few hours after midnight on the 10th. A few light snow showers redeveloped during the late morning hours on the 10th with little or no additional accumulation. Generally between 1 and 6 inches fell over eastern Pennsylvania, the highest amounts over Chester, Delaware, and Montgomery counties where snow banding was most pronounced. Some of the highest snowfall amounts reported in each county include 5.0 inches at Blue Marsh Dam (Berks County), 4.0 inches in Furlong (Bucks County), 3.5 inches in Lake Harmony (Carbon County), 6.5 inches in East Nantmeal Township (Chester County), 4.7 inches in Chadds Ford (Delaware County), 2.8 inches in Germansville (Lehigh County), 2.3 inches in Pocono Summit (Monroe County), 4.5 inches near Gilbertsville (Montgomery County), 2.0 inches in Hellertown (Northampton County), and 1.5 inches in Fox Chase (Philadelphia County). Several accidents were reported in Montgomery county in Montgomery Twp and Lower Salford. Several accidents also occurred throughout Lehigh county in Allentown, Bushkill Twp. and Lower Macungie Twp.

Storm Data and Unusual Weather Phenomena

February 2016

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

PAZ054-055

Carbon - Monroe

13	2007EST								
14	0715EST				0	0			Extreme Cold/Wind Chill

Bitter cold temperatures and strong northwest winds associated with an Arctic outbreak combined to create dangerous wind chill temperatures across the entire northeast quadrant of the county beginning Saturday morning, February 13th lasting into Sunday afternoon, February 14th. Recorded low temperatures for Sunday, February 14th (with the record low temperature for the date in parenthesis) are as follows: 8 degrees at Philadelphia (2), 2 degrees at Allentown (minus 1), 4 degrees at Reading (minus 4), and minus 11 degrees at Mount Pocono (minus 12). Many local governments across the area set up Code Blue shelters for the vulnerable population.

PAZ070-071

Delaware - Philadelphia

14	0035EST								
	0108EST				0	0	0.00K	0.00K	Astronomical Low Tide

A strong northwester wind created blowout tide conditions along the tidal sections of the Delaware River during the times of low tide late Saturday evening into early Sunday morning February 13th/February 14th. Near-blowout tide conditions occurred at the time of the next low tide early Sunday afternoon.

PAZ060>062-070>071-102>106

Berks - Delaware - Eastern Chester - Eastern Montgomery - Lehigh - Lower Bucks - Northampton - Philadelphia - Upper Bucks - Western Montgomery

14	0100EST								
	0930EST				0	0	0.00K	0.00K	Cold/Wind Chill

Bitter cold temperatures and strong northwest winds associated with an Arctic outbreak combined to create dangerous wind chill temperatures across the entire northeast quadrant of the county beginning Saturday morning, February 13th lasting into Sunday afternoon, February 14th. Recorded low temperatures for Sunday, February 14th (with the record low temperature for the date in parenthesis) are as follows: 8 degrees at Philadelphia (2), 2 degrees at Allentown (minus 1), 4 degrees at Reading (minus 4), and minus 11 degrees at Mount Pocono (minus 12). Many local governments across the area set up Code Blue shelters for the vulnerable population.

PAZ106

Lower Bucks

14	0155EST								
	0242EST				0	0	0.00K	0.00K	Astronomical Low Tide

A strong northwester wind created blowout tide conditions along the tidal sections of the Delaware River during the times of low tide late Saturday evening into early Sunday morning February 13th/February 14th. Near-blowout tide conditions occurred at the time of the next low tide early Sunday afternoon.

PAZ054-060>062-070>071-101>106

Berks - Carbon - Delaware - Eastern Chester - Eastern Montgomery - Lehigh - Lower Bucks - Monroe - Northampton - Philadelphia - Upper Bucks - Western Chester - Western Montgomery

15	1000EST								
16	0400EST				0	0			Winter Weather

Precipitation from a low pressure system moving north from the Tennessee River Valley began as snow early Monday as it ran into colder air established over the area the previous few days. A strong southerly flow associated with this low brought with it very warm air, which turned the snow over to freezing rain, then plain rain, from south to north Monday night and early Tuesday. PennDOT lowered the speed limit to 45 mph on many area roads as well in advance of this storm.

Bucks County

1 ESE Jacksonville

16	1230EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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In Richboro, winds blew off a barn roof at Tanner Brothers Dairy Farm on Hatboro Road. In Feasterville, strong winds knocked down a huge tree on Windswept Road, numerous other trees were also reported down.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Philadelphia County

1 N Tacony

16	1233EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

The roof of the Boys Club on the 7700 block of Ditman Street in the Holmesburg section of the city was blown off by strong to severe winds.

A pine tree was tipped onto electrical wires near Northeast Blvd and Proctor Road, knocking out power to nearby homes.

Storm Data and Unusual Weather Phenomena

February 2016

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

Two tractor-trailer trucks crossing the Walt Whitman Bridge were toppled by strong winds. Traffic was delayed more than two hours.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Chester County

1 SSE Harmony Hill

16	1513EST 1911EST				0	0	0.00K	0.00K	Flood
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Heavy rain and snowmelt caused the East Branch of the Brandywine Creek below Downingtown to exceed flood stage for several hours Tuesday evening, February 16th, resulting in minor flooding. The creek crested at 8.01 feet at 1700EST. Flood stage at Downingtown is 7.0 feet.

Berks County

1 E Greisemerville

1 N Yellow House

16	1523EST 1836EST				0	0	0.00K	0.00K	Flood
----	--------------------	--	--	--	---	---	-------	-------	-------

Heavy rain and snowmelt caused the Manatawny Creek to exceed flood stage near Spangville for several hours Tuesday evening, February 16th, resulting in minor flooding. The creek crested at 6.41 feet at 1645EST. Flood stage at Spangville is 6.0 feet.

Chester County

2 W Brandamore

16	1523EST 1836EST				0	0	0.00K	0.00K	Flood
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Heavy rain and snowmelt caused the West Branch of the Brandywine Creek to exceed flood stage at Honey Brook for a couple of hours Tuesday evening, February 16th, resulting in minor flooding. The creek crested at 7.41 feet at 1645EST. Flood stage at Honey Brook is 7.0 feet.

Philadelphia County

1 ESE Manayunk

2 W Wayne Jct

16	1523EST 1836EST				0	0	0.00K	0.00K	Flood
----	--------------------	--	--	--	---	---	-------	-------	-------

Heavy rain and snowmelt caused the Wissahickon Creek to exceed flood stage in Philadelphia for several hours Tuesday evening, February 16th, resulting in minor flooding. The creek crested at 5.13 feet at 1645EST. Flood stage at Philadelphia is 5.0 feet.

Montgomery County

1 E Fruitville

16	1543EST 1803EST				0	0	0.00K	0.00K	Flood
----	--------------------	--	--	--	---	---	-------	-------	-------

Heavy rain and snowmelt caused the Perkiomen Creek to exceed flood stage at East Greenville for a couple of hours Tuesday evening, February 16th, resulting in minor flooding. The creek crested at 4.21 feet at 1700EST. Flood stage at East Greenville is 4.0 feet.

A strong cold front moved through eastern Pennsylvania from west to east during the late morning and early afternoon hours. Heavy downpours associated with this front brought strong to severe wind gusts down to the surface, causing property damage in some places. No lightning was associated with these strong to severe wind gusts. Widespread street flooding was reported due to heavy rain in a short period of time, and some small stream flooding developed as a result of heavy rain and snowmelt. Strong winds damaged the Holmesburg Boys club on Ditman Street in Philadelphia. Downed trees were also observed in Philadelphia and Bucks Counties.

PAZ055

Monroe

23	1100EST								
24	0800EST				0	0			Winter Weather

Precipitation and warmer air moving in over colder air near the surface produced light snow beginning early afternoon on the 23rd, before changing over to freezing rain before sunset. Freezing rain then continued into the morning of the 24th. Snow and ice accumulations were confined mainly to the higher elevations where surface temperatures were coldest. A trace of ice was reported at Huffs Church (Berks County). 0.7 inches of snow was reported at Mount Pocono before changing to freezing rain. A trace of snow was also reported at Lehigh Valley International Airport.

Storm Data and Unusual Weather Phenomena

February 2016

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

Chester County

Conestoga

24	1942EST				0	0			Thunderstorm Wind (55MG)
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A 63 MPH thunderstorm wind gust was measured near Elverson.
Note: The measured wind gust of 55 knots is equivalent to 63 mph.

PAZ060-104

Berks - Eastern Montgomery

24	1947EST				0	0	0.00K		Strong Wind
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Montgomery County

1 E Gilbertsville

24	2050EST				0	0			Heavy Rain
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Torrential downpours with thunderstorms produced a measured 2.06 inches of rain in Gilbertsville. Many roads were flooded in Abington Twp. Four people were trapped in a car in Pottstown at the intersection of High and Manatawny streets.

PAZ062

Northampton

24	2100EST				0	0	10.0K	0.00K	Strong Wind
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Berks County

1 S Mertztown

24	2130EST				0	0	0.00K	0.00K	Flash Flood
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Three Feet of water covered parts of State Street in Mertztown. Water Rescues were necessary.

Chester County

1 ESE Wawaset

24	2130EST				0	0	0.00K	0.00K	Flood
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Video of Brandywine flooding near route 842 in West Chester.

Philadelphia County

1 NE Overbrook

24	2132EST				0	0			Thunderstorm Wind (50EG)
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A thunderstorm wind gust knocked a tree onto a house on north Wanamaker Street near Woodcrest Avenue.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

PAZ071

Philadelphia

24	2134EST				0	0	0.00K		Strong Wind
----	---------	--	--	--	---	---	-------	--	-------------

Philadelphia County

Crescentville

24	2134EST				0	0	2.00K	0.00K	Thunderstorm Wind (43EG)
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A sign was knocked over at a Burger King on Rising Sun Ave and Van Kirk Street.

Note: The estimated wind gust of 43 knots is equivalent to 49 mph.

Northampton County

Brodhead

1 ENE Shoenersville

24	2140EST				0	0	200.00K	0.00K	Flash Flood
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Major flooding was reported on several roadways in and near downtown Bethlehem. The southbound side of Pennsylvania Route 378 was closed between 3rd Avenue and 8th Avenue. Vehicles were stranded on Route 378. A basement was flooded on the 1600 Broadway along with water rescues at 33rd and Lehigh streets. Motorists were also stranded due to flood waters in Lower Macungie twp and in Allentown.

Northampton County

1 WNW Stockertown

1 NE Bath Jet

24	2145EST				0	0	0.00K	0.00K	Flash Flood
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Water rose quickly from heavy rain and flowed over several roadways in Bushkill Township.

Storm Data and Unusual Weather Phenomena

February 2016

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

Montgomery County

1 SE Cheltenham

24	2145EST				0	0	0.00K		Thunderstorm Wind (50EG)
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A thunderstorm wind gust toppled a large tree onto the roof of a home along the 8200 block of New 2nd Street in Cheltenham.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Philadelphia County

10 E Torresdale

13 SE (PHL)Philadelphia In

24	2240EST				0	0	0.00K	0.00K	Flash Flood
25	0200EST				0	0	0.00K	0.00K	Flash Flood

The Frankford Creek reached its flood stage of 7 feet at 2240EST. The Pennypack Creek reached its flood stage of 7 feet at 2320EST. Numerous roadways were reported flooded from urban runoff. Interstate 76 was closed between Girard and Montgomery drive exits along with part of Lincoln Drive. Numerous reports were sent into Philadelphia police for water rescue requests. Lincoln Drive in Fairmount Park was also closed due to flooding.

PAZ071

Philadelphia

24	2254EST				0	0	0.00K		Strong Wind
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A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms, heavy rain, flash flooding, and stream flooding in Eastern Pennsylvania late Wednesday afternoon and evening, February 24th, with stream flooding continuing into Thursday, February 25th. Most electric outlets reported thousands of power outages.

PENNSYLVANIA, Northeast

Bradford County

Limehill

24	1920EST				0	0	25.00K	0.00K	Tornado (EF1)
	1922EST	1.09	100		0	0			

Around 7:20 PM EST, a tornado touched down just south of Route 6, a few miles north of Wyalusing in Bradford County Pennsylvania. The EF1 tornado tracked across Route 6 and lifted. Most of the damage produced by the tornado were, and a couple homes had roof damage. A garage was also heavily damaged. The estimated maximum wind speed for this tornado was 100 mph.

Lackawanna County

1 ESE Oakhill

24	2010EST				0	0	0.00K	0.00K	Thunderstorm Wind (53MG)
	2020EST				0	0	0.00K	0.00K	Thunderstorm Wind (53MG)

A thunderstorm moved over the area and produced severe wind damage. This wind speed was measured by WNEP TV's anemometer which was located on top of their studio roof.

An unusually strong upper level trough attendant to a potent surface low pressure system brought showers and thunderstorms to central New York and northeast Pennsylvania on February 24th, 2016. The low pressure system was located over the mid-west Wednesday morning, and propagated northeastward toward the western edge of the state of New York by late Wednesday night. As the surface low moved towards the region, a continuous line of showers and thunderstorms developed along the cold front by late afternoon and brought scattered severe thunderstorms and spawned one tornado as it moved across northeast PA.

Note: The measured wind gust of 53 knots is equivalent to 61 mph.

PENNSYLVANIA, Northwest

PAZ001>003

Crawford - Northern Erie - Southern Erie

09	1900EST				0	0	500.0K	0.00K	Lake-Effect Snow
11	1800EST				0	0	500.0K	0.00K	Lake-Effect Snow

Cold northwest winds blowing across Lake Erie caused lake effect snow showers to develop during the evening hours of February 9th. The snow began to intensify during the early morning hours of the 10th. Heavy snow fell during the daylight hours of the 10th with visibilities most of the time under a mile and sometimes as low as a quarter mile. Snowfall rates during that period were in excess of an inch per hour. Scattered snow showers continued into the afternoon hours of the 11th but most of the snow accumulation fell before midnight on the 11th. Snowfall totals of 6 to 10 inches were reported over much of Erie County and the northern half of Crawford County. In northern Erie County, totals of 13.0 inches were reported at Girard with 11.8 inches in Mill Creek Township. In inland Erie County, 15.0 inches was reported south of North East with 11.5 inches at Cory and 10.0 inches at Edinboro. In Crawford County, a peak total of 9.8 inches was measured at Conneautville. Some schools in northwestern Pennsylvania had to be closed because of the snow. Many accidents were reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

PAZ001>003

Crawford - Northern Erie - Southern Erie

15	2100EST								
16	1300EST				0	0	550.0K	0.00K	Heavy Snow

An area of low pressure moved from the Gulf Coast up the west side of the Appalachians and across western Pennsylvania on February 15th and 16th bringing the first heavy synoptic snow of the season to western Pennsylvania. The snow spread into Crawford and Erie Counties during the late evening hours of the 15th. The snow intensified overnight as the low approached Pittsburgh with wet heavy snow falling over both Erie and Crawford Counties. Visibilities during the overnight hours of the 16th were less than a mile and at times less than one half mile. The snow quickly ended from west to east around midday. Six to nine inches of snow fell over the area with highest amounts over the eastern end of Erie County. In Erie County, 10 inches was reported south of North East with 9.5 inches at Corry and 6.5 inches in Mill Creek Township. Officially, 6.5 inches of snow was reported at Erie International Airport. In Crawford County, a peak total of 8 inches was reported at Meadville. Numerous accidents were reported during this event along with a few power outages. Many schools were closed on the 16th.

PENNSYLVANIA, West

PAZ008-013-016-021-029-073

Allegheny - Butler - Jefferson - Lawrence - Venango - Washington - Westmoreland

13	0000EST								
	1000EST				0	0		0.00K	Cold/Wind Chill

Arctic air and strong winds produced wind chills from 10 to more than 20 degrees below zero the morning of the 13th across eastern Ohio, western Pennsylvania, northern West Virginia, and Garrett county Maryland.

PAZ007>009-013

Forest - Lawrence - Mercer - Venango

15	2000EST								
16	1300EST				0	0		0.00K	Heavy Snow

PAZ015-016

Clarion - Jefferson

15	2000EST								
16	1300EST				0	0		0.00K	Ice Storm

Low pressure moved north through the Upper Ohio Valley the night of the 15th into the morning of the 17th. A swath of heavy snow fell in a band from Columbiana county in Ohio to Forest county on Pennsylvania, with a general 6 to 12 inches of snow. A lesser band of snow from 2 to 4 inches fell south and west across eastern Ohio from New Philadelphia to Zanesville. Elsewhere freezing rain was dominate across the rest of western Pennsylvania into the ridges of northern West Virginia, and Garrett county Maryland. Significant ice accumulation over one quarter of an inch occurred in Clarion and Jefferson counties in Pennsylvania, with lesser amounts elsewhere.

RHODE ISLAND

RIZ001>008

Block Island - Bristol - Eastern Kent - Newport - Northwest Providence - Southeast Providence - Washington - Western Kent

05	0545EST								
	1700EST				0	0	65.0K	0.00K	Heavy Snow

Low pressure traveling along a cold front stalled south of southern New England brought heavy rain, which changed over to heavy snow as temperatures dropped. This snow was extraordinarily wet and heavy, bringing down trees and wires across portions of southern New England.

RIZ008

Block Island

08	0430EST								
	1945EST				0	0	0.00K	0.00K	Heavy Snow

RIZ006

Washington

08	0440EST								
08	0500EST				0	0	0.00K	0.00K	High Wind
	1930EST				0	0	0.00K	0.00K	Heavy Snow

Storm Data and Unusual Weather Phenomena

February 2016

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

RIZ007

Newport

08	0600EST 2200EST				0	0	0.00K	0.00K	Winter Weather
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RIZ001>004

Eastern Kent - Northwest Providence - Southeast Providence - Western Kent

08	0700EST 0400EST				0	0	0.00K	0.00K	Heavy Snow
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RIZ004-006

Eastern Kent - Washington

09	0800EST 0900EST				0	0	0.00K	0.00K	Coastal Flood
----	--------------------	--	--	--	---	---	-------	-------	---------------

A very powerful low pressure system tracked up the east coast, passing southeast of Southern New England. This storm brought heavy snow and gusty winds, resulting in blizzard conditions along the Massachusetts east coast.

RIZ001-004-007

Eastern Kent - Newport - Northwest Providence - Southeast Providence

14	0100EST 0900EST				0	0	0.00K	0.00K	Extreme Cold/Wind Chill
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Arctic high pressure brought strong northwest winds and extremely cold wind chills to southern New England. Many locations reported wind chills between 25 and 35 degrees below zero.

RIZ005>008

Block Island - Bristol - Newport - Washington

16	1620EST 1645EST				0	0	25.0K	0.00K	High Wind
----	--------------------	--	--	--	---	---	-------	-------	-----------

RIZ001

Northwest Providence

16	1715EST				0	1	25.0K	0.00K	Strong Wind
----	---------	--	--	--	---	---	-------	-------	-------------

Low pressure strengthened rapidly as it tracked from the Gulf Coast to upstate New York and Quebec. Strong southerly winds gusted over 60 mph in parts of Rhode Island.

Kent County

1 W Nooseneck

25	0005EST				0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A tree in West Greenwich was downed by thunderstorm winds, blocking a road.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Providence County

Chepachet

25	0010EST				0	0	5.00K	0.00K	Thunderstorm Wind (40EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A tree on Route 44 in Glocester was downed by thunderstorm winds, blocking the road.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

RIZ002

Southeast Providence

25	0140EST 0214EST				0	0	20.0K	0.00K	High Wind
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RIZ004-005

Bristol - Eastern Kent

25	0140EST 0220EST				0	0	6.0K	0.00K	Strong Wind
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Storm Data and Unusual Weather Phenomena

February 2016

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

Kent County

1 E Apponaug

25	0233EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

Tree limbs and branches on Narragansett Parkway in Warwick were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

Spragueville

25	0242EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A large tree and wires on Whipple Avenue near the Douglas Pike were downed by thunderstorm winds, blocking Whipple Avenue.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Newport County

1 W North Tiverton

25	0255EST				0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Trees and wires were downed in Tiverton.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

1 N Oak Lawn

25	0255EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A tree limb was downed, blocking the eastbound lane of the Plainfield Pike in Cranston.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

1 W Scituate

25	0315EST				0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

A tree and a utility pole on Locust Grove in Scituate were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

1 W Scituate

25	0315EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A large pine tree was downed, blocking one lane of a road in Scituate.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

1 E Olneyville

25	0318EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A window was blown out of a house in the Mount Pleasant neighborhood of Providence.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

1 N Oak Lawn

25	0320EST				0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Multiple trees were downed in the western part of Cranston.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Washington County

2 W Wakefield

25	0320EST				0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A trained spotter reported a thunderstorm wind gust of 65 mph in South Kingstown. No damage was reported.

Note: The measured wind gust of 56 knots is equivalent to 64 mph.

Providence County

Johnston

25	0329EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

Wires on Hartford Avenue in Johnston were downed by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Providence County

Chepachet

25	0350EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

A tree was downed, blocking a road in Gloucester.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bristol County

1 N Bristol

25	0353EST				0	0	15.00K	0.00K	Thunderstorm Wind (66MG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

An amateur radio operator recorded a 76 mph wind gust on their home weather station in Bristol. In addition, several large trees were downed around Roger Williams University and other parts of Bristol.

Note: The measured wind gust of 66 knots is equivalent to 76 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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
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RHODE ISLAND

Providence County

Foster

25	0426EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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A tree on Luther Road in Foster was downed by thunderstorm winds.

Low pressure tracked north through New York bringing a warm front through southern New England. Unseasonably deep moisture accompanied this front. This was a very complicated weather situation as a strong low level inversion was in place over the area with a very strong low level jet just above the inversion. As showers and thunderstorms developed, the storms and heavy rain allowed the stronger winds to mix down to the surface. In other areas, temperatures warmed enough at the surface to break the inversion and allow the stronger winds to mix down. This resulted in a complicated combination of severe thunderstorm winds and high winds. To add to the historical nature of this event, it occurred in February all during the overnight hours. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

SOUTH CAROLINA, Central

Lexington County

Dixiana

03	0431EST				0	0			Funnel Cloud
----	---------	--	--	--	---	---	--	--	--------------

Funnel cloud reported at 3200 block of Old Charleston Highway.

Lexington County

3 SE Samaria

03	1351EST 1353EST				0	0	25.00K		Thunderstorm Wind (61ES)
----	--------------------	--	--	--	---	---	--------	--	--------------------------

NWS Storm Survey confirmed microburst with 70 mph wind. Vehiclle trailer blown over, power lines down, wind damage to tractor trailer truck hoods. Damage to an out building with roof blown off.

Note: The estimated wind speed of 61 knots is equivalent to 70 mph.

Richland County

3 ENE Ballentine

03	1400EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Trees in roadway at Connie Wright Road and Koon Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Lexington County

1 S Dixiana

03	1428EST 1429EST	0.69	75		0	0	50.00K		Tornado (EF0)
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Survey determined that an EF0 tornado touched down near the rail freight automobile storage yard then crossed hwy. 321 and headed northeast down Dixiana Road before lifting near Grace Chapel Church.

Richland County

2 S Capitol View

03	1445EST				0	0			Funnel Cloud
----	---------	--	--	--	---	---	--	--	--------------

Funnel cloud reported along Highway 378, Garners Ferry Road.

Richland County

3 WSW Leesburg

03	1457EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Trees in roadway at Congress Road and Old Leesburg Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Sumter County

1 NW Sumter

03	1537EST				0	0			Funnel Cloud
----	---------	--	--	--	---	---	--	--	--------------

Public reported a funnel cloud near Miller Road.

A strong cold front pushing eastward into the region produced several strong to severe thundertorms across the Midlands. The storms produced damaging winds...a microburst and an EF0 Tornado.

Edgefield County

Edgefield

24	0609EST				0	0			Thunderstorm Wind (55EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Edgefield County Dispatch reported several trees down in and around the Town of Edgefield. Also along Sweetwater Road, Old Chappell Ferry Road and Walker Road.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Lancaster County

11 N Van Wyck

24	1237EST				0	0			Thunderstorm Wind (55EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Reported trees and power lines down across the northern portion of Lancaster County.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

Lancaster County

1 ESE Van Wyck

24	1315EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Ranger at Andrew Jackson State Park reported numerous small to large limbs down within the park.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

SCZ028

Richland

24	1320EST				0	0	15.0K		Strong Wind
----	---------	--	--	--	---	---	-------	--	-------------

Chesterfield County

1 SE Patrick

2 E Kimberly

24	1516EST				0	0			Tornado (EF0)
	1525EST	8.89	70		0	0			

Survey indicated that an EF0 tornado briefly touched down three separate times between the towns of Patrick and Cheraw along Highway 1. The tornado damaged several trees along with one topped tree. There was no structural damage or injuries.

An intense area of low pressure tracked just west of the CWA producing strong wind gusts and a few scattered strong to severe thunderstorms. One storm produced a brief EF0 Tornado just south of Cheraw.

SOUTH CAROLINA, North Coastal

Florence County

5 W (FLO)Florence City-C

22	2000EST				0	0	50.00K	0.00K	Lightning
----	---------	--	--	--	---	---	--------	-------	-----------

Lightning struck a tree which fell on a house, damaging several rooms.

A stationary front produced a thunderstorm which caused damaging lightning.

SCZ017-023-055

Darlington - Inland Georgetown - Marlboro

24	1210EST				0	0	25.0K	0.00K	Strong Wind
	1612EST				0	0			

Marlboro County

1 N Bristow

24	1630EST				0	0	4.00K	0.00K	Thunderstorm Wind (57MG)
	1632EST				0	0			

A measured wind gust to 66 mph resulted in a few downed trees.

Note: The measured wind gust of 57 knots is equivalent to 66 mph.

Dillon County

24 E Society Hill

24	1642EST				0	0	1.00K	0.00K	Hail (1.00)
	1643EST				0	0			

One inch hail was reported near the intersection of Carolina Church Road and Parrish Mill Road.

Dillon County

5 NNE Minturn

24	1642EST				0	0	10.00K	0.00K	Thunderstorm Wind (54EG)
	1644EST				0	0			

Roofing shingles were blown off of two homes near the intersection of Carolina Church Road and Parrish Mill Road. Several trees were also reported down.

Deep low pressure lifting north across the Ohio River Valley brought a warm front through the area during the morning. In the wake of the warm front, the atmosphere destabilized and this helped to bring very strong winds aloft to the surface. Supercells produced damaging winds and large hail. Note: The estimated wind gust of 54 knots is equivalent to 62 mph.

Storm Data and Unusual Weather Phenomena

February 2016

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

SCZ001>009

Cherokee - Greater Greenville - Greater Oconee - Greater Pickens - Greenville Mountains - Oconee Mountains - Pickens Mountains - Spartanburg - York

15	1000EST								
16	0000EST				0	0	0.00K	0.00K	Winter Weather

Very light freezing rain, freezing drizzle, and freezing mist developed across portions of Upstate South Carolina during the morning, in association with low pressure developing along a warm front across the Gulf Coast states/Tennessee Valley. Despite the very light nature of the precipitation, due to about a week of unseasonably cold weather, the precipitation froze to surfaces very quickly, and roads became very slick, resulting in numerous traffic accidents. Hundreds of accidents, including at least two involving fatalities, occurred in the Greenville area alone. Although precipitation rates increased during the evening, as the warm front gradually pushed north into the area, temperatures warmed above freezing in many locations, allowing much of this heavy precip to fall as rain. Most locations saw less than a tenth of an inch of ice accretion.

Oconee County

2 SSW Battle Creek

24	0818EST				0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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EM reported multiple trees blown down on Brasstown Rd, with one tree falling on and damaging a vehicle.

A strong cold front swept across the western Carolinas during the morning and afternoon of the 24th. Showers and thunderstorms developing along the front produced locally damaging winds, especially across the Piedmont and foothills. However, more widespread strong winds, stronger than the thunderstorm winds in some areas, developed on the cool side of the front. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

SCZ001>003-005> 007-010>011-019

Abbeville - Anderson - Greater Greenville - Greater Pickens - Greenville Mountains - Greenwood - Oconee Mountains - Pickens Mountains - Spartanburg

24	0900EST				0	0	10.0K	0.00K	High Wind
	2000EST								

Very strong west/northwest winds developed across the mountains of South Carolina behind a cold front during the afternoon, and continued into the evening before diminishing. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages.

York County

2 NNW Rock Hill Bryant Arp 2 NNE Ft Mill

24	1218EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	-------	--------------------------

Highway Patrol reported a tree blown down on Mt Gallant Rd and power lines down at Springfield Pkwy and Old Nation Rd.

A strong cold front swept across the western Carolinas during the morning and afternoon of the 24th. Showers and thunderstorms developing along the front produced locally damaging winds, especially across the Piedmont and foothills. However, more widespread strong winds, stronger than the thunderstorm winds in some areas, developed on the cool side of the front. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

SCZ009

York

24	1400EST				0	0	20.0K	0.00K	Strong Wind
----	---------	--	--	--	---	---	-------	-------	-------------

Very strong west/northwest winds developed across the portions of the foothills and Piedmont during the afternoon in the wake of a cold front. Numerous trees were blown down across the area, some of which fell on and took down power lines, resulting in scattered power outages. Some minor roof damage was also reported.

SOUTH CAROLINA, South Coastal

Charleston County

1 WSW Charleston

04	0600EST				0	0	0.00K	0.00K	Flood
	0630EST								

The media reported Ashley Avenue closed between Tradd Street and Broad Street in downtown Charleston, SC.

Colleton County

1 W Stokes

04	0730EST				0	0	0.00K	0.00K	Flash Flood
	0830EST								

A Colleton County emergency manager reported roads closed due to flooding near the intersection of Penny Creek Drive and Painters Drive and along Ruffin Road near the railroad tracks.

Storm Data and Unusual Weather Phenomena

February 2016

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

A deep swath of moisture characterized by PWATs three standard deviations above normal became anchored over the southeastern United States as a cold front slowly moved through the area. Conditions favored widespread rain that eventually led to flash flooding over a few locations in South Carolina.

Berkeley County 5 ESE Huger

24	0948EST 0949EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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The media reported trees down on Halfway Creek Road one mile south of Steed Creek Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

SCZ042>045-047- 050

Berkeley - Charleston - Dorchester - Hampton - Jasper - Northern Colleton

24	1000EST 1624EST				0	0	16.0K	0.00K	Strong Wind
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A strong low level jet in advance of an eastward moving cold front helped produce damaging wind conditions during late morning and afternoon hours in southeast South Carolina.

SOUTH DAKOTA, Central and North

SDZ003>006-008> 010-015>019-033> 037-045-048-051

Brown - Buffalo - Campbell - Clark - Corson - Dewey - Edmunds - Faulk - Hand - Hughes - Hyde - Jones - Lyman - McPherson - Potter - Roberts - Spink - Stanley - Sully - Walworth

07	0830CST 2000CST				0	0	0.00K	0.00K	High Wind
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A strong surface low pressure area moved from south central Canada, across northern Minnesota and into the Great Lakes Region. This brought high winds to central and north central South Dakota from the morning hours until the early evening hours of the 7th. The high winds were sustained between 35 to 45 mph with gusts to 60 to 70 mph. Some of the highest wind gusts include, 66 mph at Pierre; 67 mph near Reliance and Ridgeview; 68 mph at Whitlocks Bay and 70 mph northwest of McLaughlin.

SDZ005-009>011- 015>019-034-036> 037

Brown - Clark - Day - Dewey - Edmunds - Faulk - Hand - Hyde - McPherson - Potter - Spink - Sully - Walworth

13	1600CST 0900CST				0	0	0.00K	0.00K	Winter Storm
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A winter storm moved across the region and brought a variety of weather including lightning and thunder, sleet, freezing rain, and heavy snow. The freezing rain and sleet were concentrated across central South Dakota. The mixed bag of weather caused travel problems across the region. Heavy snowfall amounts of 6 to 12 inches along with icing amounts from a few hundredths up to three tenths of an inch occurred with this storm. Some of the snowfall amounts include, 6 inches at Aberdeen, Leola, and Doland; 7 inches at Chelsea and Raymond; 8 inches at Butler and east of Lowry; 9 inches at Eagle Butte, Bowdle, and Roscoe; 10 inches east of Hosmer and 12 inches at Gettysburg. Onida received a tenth of an inch of ice with three tenths of an inch of ice at Agar.

SDZ003-015-033> 037-045-048-051

Buffalo - Corson - Dewey - Hand - Hughes - Hyde - Jones - Lyman - Stanley - Sully

19	0054CST 0700CST				0	0	0.00K	0.00K	High Wind
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A strong cold front sweeping across the region brought high winds to central and north central South Dakota during the early morning hours. The wind gusts were anywhere from 60 to over 80 mph. Some of the highest wind gusts include, 70 mph at Stephan; 71 mph 14 miles north of Vivian; 72 mph at Ridgeview; 75 mph 11 miles south of Bullhead; 78 mph at Pierre and near Blunt; and 83 mph 10 miles southwest of Chantier Creek in Stanley county.

Storm Data and Unusual Weather Phenomena

February 2016

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

SDZ065>071

Bon Homme - Clay - Hutchinson - Lincoln - Turner - Union - Yankton

02	0400CST								
03	0300CST				0	0	0.00K	0.00K	Blizzard

SDZ050-063-064

Charles Mix - Douglas - Gregory

02	0600CST								
	2200CST				0	0	0.00K	0.00K	Winter Weather

SDZ056-061-062

McCook - Minnehaha - Moody

02	0700CST								
03	0200CST				0	0	0.00K	0.00K	Blizzard

**SDZ040-054-059>
060**

Brookings - Davison - Hanson - Lake - Miner

02	0700CST								
	2200CST				0	0	0.00K	0.00K	Winter Weather

SDZ070-071

Clay - Union

03	0400CST								
	1200CST				0	0	0.00K	0.00K	Winter Weather

Snow in southeast south Dakota was accompanied by north to northwest winds reaching sustained speeds near 30 mph with gusts above 40 mph. The combination of snow and wind caused blizzard conditions from February 2nd into the predawn hours of February 3rd, with widespread visibilities near zero, bringing travel to a halt. The worst conditions were over the far southeast corner of the state where over a foot of snow fell, but enough snow fell to result in the blizzard conditions northwest to near a Springfield to Flandreau line.

SDZ050-057-063

Brule - Charles Mix - Gregory

07	0900CST								
	2000CST				0	0	0.00K	0.00K	High Wind

Northwest winds reach sustained speeds of 40 mph over southeast South Dakota along and southwest of a Chamberlain to Pickstown line. Gusts of 58 mph or higher were reported at two known locations further north and east in southeast South Dakota.

SDZ040-055-056

Brookings - Lake - Moody

07	1800CST								
08					0	0	0.00K	0.00K	Winter Weather

Northerly winds gusting to around 50 mph combined with existing snow cover and light snowfall to cause areas of blowing snow.

SDZ038-062

Beadle - Minnehaha

07	1816CST								
	1835CST				0	0	0.00K	0.00K	High Wind

Northwest winds reach sustained speeds of 40 mph over southeast South Dakota along and southwest of a Chamberlain to Pickstown line. Gusts of 58 mph or higher were reported at two known locations further north and east in southeast South Dakota.

07	1900CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

SDZ067-071

Lincoln - Union

07	1900CST								
08	1800CST				0	0	0.00K	0.00K	Winter Weather

Storm Data and Unusual Weather Phenomena

February 2016

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

Northerly winds gusting to around 50 mph combined with existing snow cover and light snowfall to cause areas of blowing snow.

SDZ038>040-050-052>071

Aurora - Beadle - Bon Homme - Brookings - Brule - Charles Mix - Clay - Davison - Douglas - Gregory - Hanson - Hutchinson - Jerauld - Kingsbury - Lake - Lincoln - McCook - Miner - Minnehaha - Moody - Sanborn - Turner - Union - Yankton

19	0300CST 0900CST				0	0	25.0K	0.00K	High Wind
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Strong and gusty westerly winds behind a cold front caused sustained winds above 40 mph, with some gusts above 70 mph, across southeast South Dakota during the morning of February 19th.

SDZ038>040-052>062-065>067

Aurora - Beadle - Brookings - Brule - Davison - Hanson - Hutchinson - Jerauld - Kingsbury - Lake - Lincoln - McCook - Miner - Minnehaha - Moody - Sanborn - Turner

29	1000CST 2359CST				0	0	0.00K	0.00K	Winter Weather
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Snow accumulated 3 to 6 inches near and north of Interstate 90 from late morning of February 29th to a little after midnight on March 1st. The snowfall made travel hazardous, with several accidents but no known fatalities or injuries. Winds were not strong enough to cause blowing snow.

SOUTH DAKOTA, West

SDZ001-002

Harding - Perkins

06	1400MST 1800MST				0	0	0.00K	0.00K	High Wind
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SDZ002-012>014-024>032-041>044-046>047-049-072>074

Bennett - Butte - Central Black Hills - Custer Co Plains - Fall River - Haakon - Hermosa Foothills - Jackson - Mellette - Northern Black Hills - Northern Foot Hills - Northern Meade County Plains - Pennington Co Plains - Perkins - Rapid City - Shannon - Southern Black Hills - Southern Foot Hills - Southern Meade Co Plains - Sturgis/Piedmont Foothills - Todd - Tripp - Ziebach

07	0200MST 1600MST				0	0	0.00K	0.00K	High Wind
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A clipper system raced through the region, bringing strong northwest winds to western and south central South Dakota for a prolonged period. The initial cold front brought a period of very strong winds Saturday afternoon and evening. After the winds diminished overnight, stronger winds developed Sunday morning and persisted through the late afternoon and early evening. The strongest winds on Sunday were sustained at 35 to 50 mph with a few gusts around 75 mph, especially from northwestern into west central South Dakota.

SDZ027-030-074

Custer Co Plains - Hermosa Foothills - Pennington Co Plains - Southern Foot Hills

13	1600MST 1800MST				0	0	0.00K	0.00K	High Wind
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Strong wind gusts accompanied a cold front as it crossed southwestern South Dakota late in the afternoon. Showers and mild temperatures helped to mix strong winds aloft to the surface as the front passed across southwestern South Dakota. Wind gusts near 60 mph were reported over portions of Fall River and Custer counties for a short time.

18	1930MST				0	0	0.00K	0.00K	High Wind
19	0000MST				0	0	0.00K	0.00K	High Wind

SDZ001-012>014-026-029>032-041>044-046-073>074

Bennett - Butte - Custer Co Plains - Fall River - Haakon - Harding - Hermosa Foothills - Jackson - Mellette - Northern Meade County Plains - Pennington Co Plains - Perkins - Rapid City - Shannon - Southern Black Hills - Southern Meade Co Plains - Ziebach

18	2000MST 0200MST				0	0	0.00K	0.00K	High Wind
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Storm Data and Unusual Weather Phenomena

February 2016

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

SDZ024-026-028-047-049

Central Black Hills - Northern Black Hills - Rapid City - Todd - Tripp

19	0030CST				0	0	0.00K	0.00K	High Wind
	1600CST								

A strong cold front crossed the region, bringing gusty northwest winds to much of western and south central South Dakota. Wind gusts from 60 to 80 mph accompanied the front late on the 18th into the nighttime hours. Wind gusts around 65 mph redeveloped on the 19th across portions of northwestern South Dakota and the Black Hills as a tight pressure gradient remained in place over the Northern Plains.

TENNESSEE, Central

Dickson County

Burns

02	0700CST				0	0	0.00K	0.00K	Heavy Rain
03									

The COOP observer at Burns measured a 24 hour rainfall total of 4.02 inches.

Dickson County

2 NNW Bakersworks

02	0700CST				0	0	0.00K	0.00K	Heavy Rain
03									

The COOP observer at Montgomery Bell State Park measured a 24 hour rainfall total of 4.10 inches.

Montgomery County

3 ESE Clarksville

02	1555CST				0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
									Tspotter reports on Twitter indicated a tree fell onto a car in the 300 block of Clearview Drive in Clarksville.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Wayne County

1 ESE North Highland

02	1750CST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
									A tree was blown down across the Natchez Trace Parkway near Highway 64 blocking the road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Stewart County

3 NNE Big Rock

4 SW Model

02	2200CST								
03	0000CST				0	0	10.00K	0.00K	Flood

Media reports indicated several secondary and gravel roads were damaged by flooding across Stewart County.

Cheatham County

1 S Ashland City

1 NW Sulphur Spgs

02	2315CST								
03	0115CST				0	0	20.00K	0.00K	Flash Flood

Significant flash flooding affected Ashland City. Per reports from The Tennessean newspaper, several roads were flooded just south of downtown including Fairgrounds Road, Chestnut Street, Duke Street, Brook Hollow Road, and Main Street. McDonald's received some flooding in the store and parking lot, while both A.O. Smith and the sewage treatment plant had floodwaters around their buildings. A trained spotter reported several vehicles stranded in the flood waters near the McDonald's.

Dickson County

Burns

2 NNW Mt Sinai

02	2315CST								
03	0115CST				0	0	50.00K	0.00K	Flash Flood

Significant flash flooding affected areas of southern Dickson County from south of I-40 northeastward to near Burns. Several secondary roadways were flooded by up to 1-2 feet of water including Hogan Road, East Piney Road, Gum Branch Road, Stewart Street, Turkey Creek Road, and Highway 46 north of I-40. Several water rescues were conducted including 4 people rescued from a house on Gum Branch Road and 5 people rescued from a house on Turkey Creek Road. The same home on Turkey Creek Road was flooded with at least 1 foot of water, and four cars in the garage of the home were destroyed. One car in the driveway was washed 500 yards down Turkey Creek. At least one dozen homes were impacted by flooding.

Storm Data and Unusual Weather Phenomena

February 2016

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

Maury County Spring Hill

02	2330CST				0	0	2.00K	0.00K	Thunderstorm Wind (40EG)
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A tree fell onto an apartment building in Spring Hill and caused minor siding damage.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Maury County Spring Hill

02	2330CST				0	0	2.00K	0.00K	Thunderstorm Wind (40EG)
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A tree fell onto an apartment building in Spring Hill and caused minor siding damage.

Note: The estimated wind gust of 40 knots is equivalent to 46 mph.

Hickman County 3 NNE Pinewood

03	0000CST 0200CST				0	0	5.00K	0.00K	Flash Flood
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Five people and four dogs were rescued from a camper at the Piney River Escape campground on Piney River Road North.

Cheatham County 1 S Lockertsville 2 NNE Greenbrier

03	0400CST 0800CST				0	0	5.00K	0.00K	Flood
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Although the heavy rain and flash flooding ended earlier in the night, one person drove into flood waters from Sycamore Creek that covered Harris Town Road near Lockertsville Road north of Ashland City, and was rescued from his vehicle live on television.

Scattered showers and thunderstorms developed across Middle Tennessee during the afternoon hours on February 2, becoming more widespread into the evening before ending early on February 3. A few storms were strong to marginally severe, with some reports of damaging winds received. In addition, thunderstorms repeatedly trained over portions of Hickman, Dickson, and Cheatham Counties, resulting in over 4 inches of rain falling in a few hours and causing major flash flooding.

TNZ032>034-063-078>079

Cannon - Fentress - Grundy - Overton - Putnam - Warren

08 10	1200CST				0	0	0.00K	0.00K	Winter Storm
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TNZ005>011-025>028-030>031-056>062-064>066-075-077-080-093

Bedford - Cheatham - Clay - Coffee - Cumberland - Davidson - Dekalb - Dickson - Hickman - Jackson - Lewis - Macon - Marshall - Maury - Montgomery - Perry - Pickett - Robertson - Rutherford - Smith - Stewart - Sumner - Van Buren - Wayne - White - Williamson - Wilson

08 10	1200CST				0	0	0.00K	0.00K	Winter Weather
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A long duration snow event affected Middle Tennessee from the afternoon hours on February 8 through the late evening hours on February 9, although some additional light snow showers continued into the morning of February 10. Nearly all of Middle Tennessee received some accumulating snow, ranging from a dusting near the Alabama border up to 6 inches on parts of the Cumberland Plateau.

TNZ007-026>028-062>064-078

Cannon - Cheatham - Davidson - Dekalb - Robertson - Rutherford - Warren - Wilson

10 11	1900CST 0000CST				0	0	0.00K	0.00K	Winter Weather
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A fast moving storm system brought light snow to the northeastern half of Middle Tennessee during the evening hours on February 10. Snow amounts up to 1.5 inches were reported.

TNZ008-010-032>034-066

Clay - Cumberland - Fentress - Overton - Pickett - Putnam - Sumner

12	0000CST 1200CST				0	0	0.00K	0.00K	Winter Weather
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Yet another fast moving storm system in a week of near-daily snow events across Middle Tennessee brought light snow to several of the far northeastern counties. Snow amounts up to 2 inches were reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

TENNESSEE, Central

TNZ006>008-010-027>030-033-066

Clay - Cumberland - Davidson - Montgomery - Overton - Robertson - Smith - Sumner - Trousdale - Wilson

14	0700CST								
15	1200CST				0	0	0.00K	0.00K	Winter Weather

TNZ011-034

Fentress - Pickett

14	1200CST								
16	0300CST				0	0	0.00K	0.00K	Winter Storm

Another storm system in a very active week of winter weather brought a wintry mix of light snow, light sleet, and light freezing rain to northern Middle Tennessee, generally along and north of the I-40 corridor. Less than 1 inch of combined sleet, ice, and snow fell from Montgomery County eastward to Smith County, while areas east of there in the Upper Cumberland and northern Cumberland Plateau received 2 to 4 inches of snow. The wintry mix caused numerous road accidents and resulted in the closures of I-24 near Clarksville and I-65 north of White House.

TNZ025

Dickson

19	1138CST								
					0	0	5.0K	0.00K	Strong Wind

Strong southerly gradient winds of 35 to 45 mph affected much of Middle Tennessee during the day on February 19. One report of wind damage was received.

TNZ032-034-066-078

Cumberland - Fentress - Putnam - Warren

25	0000CST								
26	0800CST				0	0	0.00K	0.00K	Winter Weather

Light snow showers fell on the Cumberland Plateau throughout the day on February 25. Snow amounts up to 1.5 inches were reported.

TENNESSEE, East

**Bledsoe County
1 SSW Tiptop**

03	0225CST								
					0	0			Thunderstorm Wind (50EG)

Several trees were reported down across the Cumberland Plateau.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

**Sequatchie County
1 SW Dunlap**

03	0232CST								
					0	0			Thunderstorm Wind (50EG)

Several trees were downed in Dunlap with numerous power outages reported.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

**Bledsoe County
1 S Brayton**

03	0242CST								
					0	0			Thunderstorm Wind (50EG)

Several trees were reported down across the county.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

**Marion County
1 ESE Glover Hill**

03	0248CST								
					0	0			Thunderstorm Wind (52EG)

Wind speed was estimated at 60 mph at Jasper.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

**Sequatchie County
2 N Dunlap**

03	0255CST								
	0415CST				0	0	0.00K	0.00K	Flash Flood

Multiple roads in the city of Dunlap were impassable due to flooding.

**Bledsoe County
7 N Pikeville**

03	0315CST								
	0430CST				0	0	0.00K	0.00K	Flash Flood

Multiple roadways were flooded throughout the county.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, East									
Meigs County									
1 NE Decatur	03	0406EST			0	0			Thunderstorm Wind (50EG)
	A tree was reported down on highway 58. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Rhea County									
1 SE Morgantown	03	0415EST			0	0			Thunderstorm Wind (50EG)
	Several trees were reported down across the southern half of the county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Roane County									
2 SSE Watts Bar Lake North	03	0440EST			0	0			Thunderstorm Wind (50EG)
	Several trees were reported down near the Fairview community. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Loudon County									
2 NNW Philadelphia	03	0605EST 0715EST			0	0	3.00K	0.00K	Flash Flood
	Submerged vehicle was reported on I-75 near mile marker 68. A vigorous frontal system ushered Gulf moisture into the area. A band of convection produced severe thunderstorms and locally heavy rainfall as it swept through the area.								
TNZ018-040-045-047-074-102	East Polk - Johnson - Northwest Cocke - Sevier/Smoky Mountains - Southeast Carter - Unicoi								
	08	1500EST							
	09	0500EST			0	0			Heavy Snow
	Sub-freezing air spilled south through the Eastern United States for a two day period of mainly orographic snowfall as several shorter wavelength systems dropped southeast out of the Northern Plains and Great Lakes. The snow accumulated to a depth of three to five inches on average however, some greater snowfall totals occurred primarily in the highest terrain across Southwest Virginia and in the Smoky Mountains.								
TNZ040-042	Northwest Cocke - Northwest Greene								
	12	0700EST 1500EST			0	0			Heavy Snow
	During an extended period of predominant cold northwesterly flow across the Eastern United States, an upper level system moved across the Southern Appalachian Region producing snowfall amounts totaling less than three inches across most of the MRX forecast area. However, a few spots picked up slightly greater totals.								
TNZ012>014-037-042-044	Campbell - Claiborne - Northwest Greene - Scott - Union - Washington								
	14	1100EST 2000EST			0	0			Heavy Snow
	A moderate to strong upper level system moved into the region generating heavy snowfall amounts averaging 3 to 5 inches.								
TNZ042	Northwest Greene								
	15	2245EST			0	0			High Wind
TNZ047	Southeast Carter								
	16	1221EST			0	0			High Wind
	A strong low pressure system moved across the region generating very strong wind gusts in the higher elevations of East Tennessee.								
TNZ043-081	Sequatchie - Southeast Greene								
	24	0300EST 0600EST			0	0			High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

Monroe County

1 SW Sweetwater

24	0730EST				0	0			Thunderstorm Wind (50EG)
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A few power lines were reported down one mile southwest of Sweetwater.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Loudon County

1 W Jena

24	0745EST				0	0			Thunderstorm Wind (50EG)
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Several trees were reported down in the vicinity of Greenback.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Knox County

1 SW Farragut

24	0755EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

A tree fell on a church in Farragut due to strong thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Anderson County

1 N South Clinton

24	0815EST				0	0			Thunderstorm Wind (50EG)
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A barn/storage structure were damaged.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Anderson County

1 N South Clinton

24	0816EST				0	0			Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	--	--	--------------------------

Several trees were reported down.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Anderson County

1 N South Clinton

24	0840EST				0	0			Thunderstorm Wind (50EG)
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Several power lines and trees were reported down along Lee Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Knox County

West Knoxville

24	0840EST				0	0			Thunderstorm Wind (50EG)
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A few trees and power lines were reported down in the northern part of Knox County.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Union County

1 W Maynardville

24	0840EST				0	0			Thunderstorm Wind (50EG)
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A barn was damaged along Little Valley Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

TNZ039-043>047-073-086

Hamblen - North Sevier - Northwest Carter - Northwest Monroe - Southeast Carter - Southeast Greene - Unicoi - Washington

24	0900EST				0	0			High Wind
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A strong low pressure system moved northeast out of the Lower Mississippi Valley through the Upper Ohio Valley dragging a cold front through the Southern Appalachians. The strong wind field associated with the deep low pressure system generated numerous downed trees across the region. Some convective gusts also developed with a few thunderstorms during the event.

TENNESSEE, South Central

TNZ097

Franklin

09	0000CST				0	0			Heavy Snow
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TNZ076

Moore

09	0610CST				0	0	0.00K	0.00K	Winter Weather
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Storm Data and Unusual Weather Phenomena

February 2016

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

A powerful cold front and upper level disturbance produced bands of snow showers during the evening of the 8th through the morning of the 10th. Snowfall amount of 1-2 inches fell in valley locations, while 4.0 inches fell atop the Cumberland Plateau in Sewanee at the University of the South NWS COOP station.

TENNESSEE, West

Shelby County

1 SSW Shelby Center

02	1158CST 1300CST				0	0	0.00K	0.00K	Flash Flood
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Heavy rain produced flash flooding in the eastern part of Memphis. The left lane of I-240 at the I-40 interchange was covered with a foot of water. The ramp to I-40 eastbound from Sycamore View Road was also flooded.

Tipton County

1 SE Gainesville

1 SE Mason

02	1400CST 1800CST				0	0	0.00K	0.00K	Flash Flood
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Heavy rain produced flash flooding near Mason. Several roads were flooded included Gainesville Road, Highway 59, Saint Paul Road and Canaan Grove Road.

Shelby County

2 NNW Memphis

02	1558CST 1700CST				0	0	0.00K	0.00K	Flash Flood
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Heavy rain caused flash flooding in Downtown Memphis. Interstate 40 was flooded at Danny Thomas Boulevard.

Crockett County

2 NW Cross Rd

2 SE Cairo

02	1655CST 1703CST	2.64	100	0	1	150.00K	0.00K	Tornado (EF1)
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The tornado snapped or uprooted several trees southwest of, and at the Crockett County Golf Club. It caused roof damage to a mobile home and a permanent structure just south of Highway 412. Two tractor trailers were overturned on Highway 412, with one driver injured. North of Highway 412, the tornado damaged several storage sheds and caused roof damage to several homes. The tornado then crossed Highway 88 and caused roof damage to several buildings at the Crockett County High School. The tornado damaged additional storage sheds and a home roof on the east side of North Cavalier Drive before dissipating. Peak estimated wind was 95 mph.

Low pressure moved from the Southern Plains toward the Mid-Mississippi Valley while a cold front pushed east toward the Mid-South on February 2, 2016. The airmass across the Mid-South was moist and unstable ahead of the front. A couple rounds of showers and thunderstorms occurred. The first round produced heavy rain and some flash flooding in the Memphis Metropolitan area around noon. Another round of showers and thunderstorms developed along the cold front as it moved through the region during the late afternoon. A weak tornado occurred in Crockett County as this round moved through.

**TNZ001>004-019>
022-051>052-054>
055**

Benton - Carroll - Crockett - Decatur - Dyer - Gibson - Henderson - Henry - Lake - Madison - Obion - Weakley

14	0500CST 1200CST				0	0	0.00K	0.00K	Winter Weather
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A stationary front stretched across Northeast Arkansas into Northwest Mississippi on February 14, 2016. A surface low developed along the stalled front and moved eastward. Precipitation developed along and north of the stalled front during the day ahead of the surface low. Temperatures were below freezing north of the front. As a result, precipitation fell in the form of freezing rain and sleet. A tenth to a quarter inch of ice and sleet accumulated north of a Dyersburg to Jackson, Tennessee line. Roads became hazardous.

Hardin County

2 SSW Hinkle

15	1238CST 1545CST				0	0	20.00K	0.00K	Flash Flood
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Heavy rain resulting in flash flooding in Northwest Hardin County. A car was swept away on Martin Road at Middleton Creek. The water rescue was successful.

A nearly stationary frontal boundary extended from portions of Southwest Tennessee through North Central Mississippi on February 15, 2016. Widespread Showers and a few thunderstorms stretched along this front producing locally heavy rainfall and isolated flash flooding.

Storm Data and Unusual Weather Phenomena

February 2016

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

Wharton County 2 ESE Newgulf

23	0553CST 0557CST		2.02	30	0	0	0.00K	0.00K	Tornado (EF0)
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This EF-0 tornado destroyed three sheds. Three residences also sustained structural damage. Irrigation equipment was damaged as the tornado crossed a grass field. Trees and power lines were downed, and parts of County Road 100 were blocked by debris.

Brazoria County Angleton Bales Arpt

23	0645CST				0	0	15.00K	0.00K	Thunderstorm Wind (55EG)
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A health clinic suffered wind damage.

A late night through early morning storm system moved eastward out of south central Texas and across southeast Texas. The southern edge of the storms produced a weak a severe thunderstorm and a weak tornado. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

TEXAS, Mid-South

TXZ241

Jim Wells

11	1300CST 1430CST				0	0	0.00K	0.00K	Wildfire
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A wildfire burned around 1000 acres of land around 12 miles southwest of Alice near the community of Palito Blanco. A nearby elementary school was evacuated as a precaution.

Live Oak County 4 N Simmons 3 W Three Rivers

23	0143CST 0147CST				0	0	10.00K	0.00K	Hail (1.00)
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Quarter sized hail occurred near Highway 72 southeast of Choke Canyon Reservoir. Report was relayed by San Antonio broadcast media.

Live Oak County 2 NNW Three Rivers

23	0146CST 0150CST				0	0	10.00K	0.00K	Hail (1.00)
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Public posted pictures to social media of quarter sized hail in Three Rivers.

Bee County 1 N Beeville

23	0222CST 0227CST				0	0	100.00K	0.00K	Thunderstorm Wind (52EG)
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Trees and power lines were blown down over the eastern portions of the city of Beeville. An awning at a business was blown down. Several fences were blown down.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Bee County 1 N Beeville

23	0225CST 0226CST				0	0	100.00K	0.00K	Hail (1.75)
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Spotter reported golf ball sized hail occurred at the hospital in Beeville, near Highway 181 and 59. Wind driven hail broke windows at the hospital and a few businesses.

Live Oak County 2 NW Three Rivers

23	0305CST 0309CST				0	0	10.00K	0.00K	Hail (1.00)
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Second thunderstorm produced quarter sized hail in Three Rivers.

Live Oak County 2 NW Oakville

23	0311CST 0317CST				0	0	200.00K	0.00K	Thunderstorm Wind (61EG)
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Around a dozen power poles and several highway signs were blown down along Interstate 37 near Oakville. A few roofs were peeled back on buildings in Oakville. Several trees and sheds were blown down also.

Storm Data and Unusual Weather Phenomena

February 2016

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

A strong upper level disturbance moving across south-central Texas interacted with moisture over south Texas to produce scattered severe thunderstorms over northern portions of the Brush Country during the early morning hours of the 23rd. Quarter to golf ball sized hail and damaging winds occurred from Three Rivers to Beeville. Note: The estimated wind gust of 61 knots is equivalent to 70 mph.

TEXAS, North

TXZ092-102-107-119-145

Cooke - Dallas - Hill - Hopkins - Wise

08	1220CST				0	0	90.0K	60.0K	Wildfire
	1500CST								

Dry conditions prevailed for the first half of February, when several agencies had to respond to wildfires. A few of the wildfires caused structure damage.

TXZ105

Hunt

13	1500CST				0	0	50.0K	0.00K	Wildfire
	1730CST								

Multiple fire departments battled a structure fire in southern Hunt County, which caught fire after a controlled burn got out of control.

TEXAS, North Panhandle

TXZ005

Lipscomb

08	1330CST				0	0	0.00K	0.00K	Wildfire
	1745CST								

The 3260 Wreck grass fire began around 1330CST around nine miles west southwest of Lipscomb Texas in Lipscomb county. The grass fire occurred less than a mile south of the intersection of Farm to Market Road 3260 and Farm to Market Road 1920 and was caused by sparks from a vehicle or vehicles, possibly due to a motor vehicle accident. The wildfire consumed an estimated one thousand acres and one home was reported to be threatened but was saved by fire fighters. There were no reports of any homes or other structures being damaged or lost and there were no reports of injuries or fatalities from the grass fire. A total of ten fire departments and other fire agencies responded to the wildfire which was contained between 1730CST and 1800CST.

TXZ006

Hartley

10	1330CST				0	0	0.00K	0.00K	Wildfire
	1900CST								

The FM998 wildfire began about eight miles west southwest of Hartley Texas in Hartley county about a half mile north of Farm to Market Road 998. The wildfire began around 1330CST and consumed approximately three thousand nine hundred and eighty-seven acres. There were two Texas A&M Forest Service task forces that responded to the wildfire and there were eighty-five homes threatened by the wildfire, however no homes or other structures were damaged or lost. There were some evacuations of homes which did take place initially but those people that were evacuated did return home. There were no reports of injuries or fatalities. A total of six fire departments and other fire agencies responded to the wildfire including the Texas A&M Forest Service. The wildfire was contained around 1900CST.

TXZ012

Potter

13	1300CST				0	0	0.00K	0.00K	Wildfire
14	0100CST								

Storm Data and Unusual Weather Phenomena

February 2016

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

The Estates Wildfire began just west of the Bishop Hills subdivision just off of Farm to Market Road 1061 or Tascosa Road between Loop 335 and Farm to Market Road 2381 about a half mile west of Ranch View Drive which is about seven miles northeast of Bushland Texas in Potter county. The wildfire began approximately 1300CST and the wildfire consumed an estimated one thousand six hundred acres. There were four single engine air tankers, two from Abilene and two from Amarillo, that dropped retardant to suppress the flames. There was a fifth aircraft which supervised the four aircrafts as they battled the wildfire. The wildfire threatened homes and other structures in the Tierra Grande and Tascosa Hills area but those homes were saved. There were no reports of homes or other structures damaged or destroyed and there were also no reports of injuries or fatalities. The Texas Department of Transportation blocked off Farm to Market Road 1061 in two areas and southbound traffic was stopped at Farm to Market Road 2381 and northbound traffic was stopped at Loop 335 while crews work to contain the fire. Voluntary evacuations were started by the Amarillo/Potter/Randall Office of Emergency Management for residents in the Tierra Grande area. Fire departments and other fire agencies that responded to the wildfire included those from Amarillo, Canyon, Potter and Randall counties and also the Texas A&M Forest Service and the National Park Service at Lake Meredith. The wildfire was contained as of 0100CST Sunday morning of February 14.

TXZ008

Hutchinson

19	1530CST								
	2130CST			0	0	25.0K	0.00K		Wildfire

The Triangle Fire wildfire began around 1530CST about three miles northwest of Sanford Texas in Hutchinson county. The wildfire consumed a measured two hundred and ninety-eight acres and was determined to be caused by a trailer that became disconnected from the hitch. A total of seven homes and eight other structures were threatened by the wildfire but were saved, however three structures were lost. There were no reports of injuries or fatalities. A total of six fire departments and other fire agencies including the Texas A&M Forest Service responded to the wildfire. The wildfire was finally contained around 2130CST.

22	1205CST								
	1630CST			0	0	0.00K	0.00K		Wildfire

The Gina 5 wildfire began around 1205CST about seven miles north northwest of Sanford Texas in Hutchinson county. The wildfire consumed approximately seven hundred acres and was determined to be caused by a cutting torch. There were no homes or other structures threatened and no homes or other structures were damaged or destroyed. There were no reports of injuries or fatalities. A total of seven fire departments or other fire agencies responded to the wildfire which was contained between 1600 to 1630CST.

TEXAS, South

TXZ248-250>252

Brooks - Kenedy - Starr - Zapata

05	0300CST								
	0745CST			0	0	0.00K	0.00K		Frost/Freeze

A reinforcing shot of colder and drier air pushed across Deep South Texas on February 4th. Light winds, low dewpoints, and mostly clear skies provided a good set up for a radiation cooling event that resulted in a short duration freeze for Zapata, Brooks, Starr, and Kenedy counties. Temperatures across these counties dropped to or below freezing for several hours during the early morning hours of February 5th.

TXZ248-250>252

Brooks - Kenedy - Starr - Zapata

07	0135CST								
	0730CST			0	0	0.00K	0.00K		Frost/Freeze

Persistent and dry northwesterly flow behind a cold front combined with light surface winds, low dewpoints and clear skies to set the stage for a prime radiation cooling event. Temperatures dropped to or below freezing across Kenedy, Starr, Brooks, and Zapata counties.

TXZ253

Hidalgo

24	1200CST								
	1800CST			0	0	0.00K	0.00K		Wildfire

The combination of rapidly drying fuels (grasses and brush) with very low afternoon humidity (below 15 percent) and frequent wind gusts between 20 and 25 mph allowed a grass fire to grow rapidly and burn nearly 700 acres of land near Sullivan City. Sparks from someone burning trash ignited the fire and strong winds fueled the fire. No injuries were reported.

Storm Data and Unusual Weather Phenomena

February 2016

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

Val Verde County

1 N Del Rio

22	2225CST				0	0			Hail (1.00)
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A thunderstorm produced quarter size hail at the intersection of Veterans Blvd. and 15th St. in Del Rio.

Val Verde County

3 N Del Rio

22	2225CST				0	0			Hail (1.50)
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Val Verde County

3 N Del Rio

22	2225CST				0	0			Thunderstorm Wind (52EG)
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A thunderstorm produced wind gusts estimated at 60 mph that blew quarter size hail through the windows of a house.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Val Verde County

1 S (DLF)Laughlin Afb De

22	2232CST				0	0			Thunderstorm Wind (52MG)
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A thunderstorm produced wind gusts measured at 52 kts. by the ASOS at Laughlin AFB.

Note: The measured wind gust of 52 knots is equivalent to 60 mph.

Val Verde County

1 S (DLF)Laughlin Afb De

22	2235CST				0	0			Hail (1.00)
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Kinney County

1 E Brackettville

22	2303CST				0	0			Hail (1.50)
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A thunderstorm produced ping pong ball size hail that damaged car windshields in Brackettville.

Kinney County

1 E Brackettville

22	2305CST				0	0			Hail (1.75)
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A thunderstorm produced golf ball size hail that damaged car and house windows and some house roofs in Brackettville.

Kinney County

1 E Spofford

22	2310CST				0	0			Hail (1.75)
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Zavala County

1 W La Pryor

22	2356CST				0	0			Hail (1.00)
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Frio County

3 WNW Pearsall

23	0036CST				0	0			Hail (1.00)
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Zavala County

1 W La Pryor

23	0058CST				0	0			Hail (1.00)
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Atascosa County

1 W Davis

23	0105CST				0	0			Hail (1.00)
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An upper level trough brought a strong jet streak across Texas which produced thunderstorms in an unstable airmass. Some storms produced large hail and damaging winds. Overall damage estimates were not available at the time of this writing.

TEXAS, South Panhandle

TXZ042

Garza

01	1716CST				0	0	0.00K	0.00K	High Wind
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A powerful storm system moved out of the southern Rockies into the Plains during the evening of the first. Strong winds aloft spread over the region resulting in robust surface winds. One severe wind gust of 64 mph was recorded at 1716 CST at Lake Alan Henry (Garza County) by the Texas Tech University West Texas Mesonet.

TEXAS, Southeast

TXZ215

Jefferson

24	0600CST								
25	0200CST				0	0	0.00K	0.00K	Astronomical Low Tide

Tide levels along coast of Jefferson County were pushed well below normal behind a strong cold front.

Storm Data and Unusual Weather Phenomena

February 2016

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

TXZ061-070-074-258

Davis/Apache Mountains Area - Ector - Guadalupe Mountains of Culberson County - Reagan

01	0053MST								
02	1705MST				0	0	0.00K	0.00K	High Wind
02	1000MST				0	0	0.00K	0.00K	High Wind
	1300MST				0	0	0.00K	0.00K	High Wind

Strong mid level winds spread over southeast New Mexico and west Texas to the south of a shortwave trough which passed by to the north of the region.

**Terrell County
7 S Dryden**

22	2025CST								
	2030CST				0	0			Hail (1.00)

**Reagan County
27 N Best**

22	2325CST								
					0	0			Thunderstorm Wind (50MG)

A thunderstorm moved across Reagan County and produced a 58 mph wind gust near St. Lawrence.

Note: The measured wind gust of 50 knots is equivalent to 58 mph.

**Reagan County
1 WNW Big Lake**

22	2339CST								
					0	0			Thunderstorm Wind (57MG)

A thunderstorm moved across Reagan County and produced a 66 mph wind gust near Big Lake.

An upper trough was approaching the area with strong winds aloft. These strong winds higher up in the atmosphere allowed for wind shear and instability to increase across West Texas. Easterly surface winds contributed to an increase in low level moisture. These conditions allowed for storms with large hail and strong winds to develop across the southeast Permian Basin and Lower Trans Pecos. Note: The measured wind gust of 57 knots is equivalent to 66 mph.

UTAH, East

UTZ022-025-027>029

Canyonlands/Natural Bridges - Grand Flat and Arches - La Sal & Abajo Mountains - Southeast Utah - Tavaputs Plateau

01	0000MST								
					0	0	0.00K	0.00K	Winter Storm

UTZ023-024

Eastern Uinta Basin - Eastern Uinta Mountains

01	0000MST								
02	0600MST				0	0	0.00K	0.00K	Winter Weather

A moist Pacific low pressure system produced heavy snowfall with areas of blowing snow across much of eastern Utah.

UTAH, West and Central

UTZ013>016-020-517>518

Central Mountains - San Rafael Swell/Greene River/Hanksville - Sanpete/Sevier Valleys - South Central Utah/Kanab/Escalante - Southern Mountains - Southwest Utah/Cedar City/Milford - West Central Utah/Delta

01	0000MST								
	0400MST				0	0	0.00K	0.00K	Winter Storm

A strong winter storm that began in northern Utah on January 29 shifted into southern Utah for the end of January. The storm continued into the beginning of February across primarily the southern half of Utah.

UTZ003-005-007>009-015>016

Great Salt Lake Desert and Mountains/Wendover/Snowville - Salt Lake and Toole Valleys - Southwest Utah/Cedar City/Milford - Wasatch Mountains I80 North - Wasatch Mountains South of I80 - West Central Utah/Delta - Western Uinta Mountains

17	1200MST								
18	1140MST				0	0	235.0K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

UTZ002-006-518

Northern Wasatch Front/Brigham City/Ogden Bountiful - Southern Mountains - Wasatch Mountain Valleys/Huntsville/Park City/Heber

18	0300MST 1200MST				0	0	250.0K	0.00K	High Wind
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Very strong winds developed across much of western Utah on February 17 and 18. These winds caused significant damage in some locations, particularly with the passage of the cold front on February 18.

VERMONT, North and Central

**VTZ001-005-009>
012-017>019**

Eastern Addison - Eastern Chittenden - Eastern Rutland - Grand Isle - Orange - Western Addison - Western Chittenden - Western Franklin - Western Rutland - Windsor

15	2200EST								
16	1300EST				0	0	100.0K	0.00K	Winter Weather

**VTZ003-006>008-
016**

Caledonia - Eastern Franklin - Essex - Lamoille - Orleans - Washington

16	0000EST 1500EST				0	0	60.0K	0.00K	Winter Weather
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A coastal low across the Carolinas on the morning of February 16th raced northward across the Champlain Valley of VT/NY during the day. This allowed for a wintry mix of snow, sleet, freezing rain and rain across the region and a strong east-southeast wind across portions of Vermont. Snowfall averaged 2 to 4 inches across much of Vermont with only 1 to 2 inches in the immediate Champlain Valley. Ice accretion was mainly a tenth of an inch or less. Main impacts were slick, sloppy roads but some isolated power outages due to wind gusts in excess of 40 mph along the western slopes of the Green mountains.

**Washington County
1 N Middlesex
Montpelier**

25	0335EST 2000EST				0	0	10.00K	0.00K	Flood
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An ice jam developed in Montpelier VT, briefly flooding sections of lower State Street and sending the Montpelier river gage to moderate flood stage before moving downstream. The jam came to rest in Middlesex VT, where it backed water up onto Route 2 to a depth of up to four feet.

**Caledonia County
1 NW Hardwick**

25	0430EST 1000EST				0	0	75.00K	0.00K	Flood
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An ice jam caused flooding in Hardwick along Route 15. Residences along Wolcott Street were evacuated due to high water. A nearby car dealer was inundated, with several new vehicles flooded.

**Franklin County
1 E Enosburg Falls**

25	0430EST								
26	0800EST				0	0	10.00K	0.00K	Flood

An ice jam on the Missisquoi River in Franklin county caused the river to spill its banks in several places from East Berkshire to Enosburg Falls. Route 105 was closed for an extended period of time.

**Addison County
2 SE Richville
3 NE Bridport**

25	0600EST 1400EST				0	0	1.00K	0.00K	Flood
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Water from heavy rainfall and snowmelt flooded local roads in western Addison County VT. Route 125 in Cornwall and Route 30 in Whiting were inundated.

**Caledonia County
2 WSW St Johnsbury
1 WSW Lyndonville Arpt**

25	0600EST 1743EST				0	0	40.00K	0.00K	Flood
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Storm Data and Unusual Weather Phenomena

February 2016

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

Runoff from heavy rain and snow melt broke up river ice, creating an ice jam that moved down the Passumpsic River. Water rescues were performed to evacuate residents of the Northeast Kingdom Mobile Home Park on the north side of Lyndonville. Flooding from ice jams closed Routes 5, 122, and 114 in Lyndonville, and as the ice jam moved downstream portions of Route 5 were flooded from Lyndonville to St. Johnsbury Center. The Passumpsic River at Passumpsic was pushed to moderate flood stage of 18.76 feet. Flood stage is 14.0 feet.

Chittenden County 1 W North Williston Bowman Corners

25	1200EST								
26	0330EST				0	0	1.00K	0.00K	Flood

Flooding from heavy rain and snowmelt caused isolated minor flooding in Chittenden County. In Essex, North Williston Road was closed by the flooded Winooski River, and Pettingill Road was flooded by the Browns River.

A large area of low pressure brought warm air and excessive rainfall to Vermont. Rain began falling on February 24 and continued into the 25th, producing 2 to 2.5 inches of rain across the region. The warm temperatures and rain also melted 1 to 3 inches of water out of the snowpack. The result was sharp rises on rivers, producing ice jams and open water flooding. There were several road closures throughout the state due to high water, however damage for the most part was minimal.

VTZ001>012-016> 019

Caledonia - Eastern Addison - Eastern Chittenden - Eastern Franklin - Eastern Rutland - Essex - Grand Isle - Lamoille - Orange - Orleans - Washington - Western Addison - Western Chittenden - Western Franklin - Western Rutland - Windsor

29	2200EST								
	2345EST				0	0	175.0K	0.00K	Strong Wind

Two low pressure areas merged across Quebec during the evening of February 29th and this helped strengthen a cold front that moved across New York and Vermont during the night of February 29th and into the morning hours of March 1st. Accompanying the cold front was strong west to northwest winds with wind gusts in excess of 35 to 40 mph across large portions with a few scattered wind gusts that approached 50 mph. These strong winds did knock down some tree limbs that fell on power lines and accounted for isolated power outages across much of the state but scattered to numerous power outages in the Connecticut River Valley with nearly 20,000 outages reported.

VERMONT, South

VTZ013>015

Bennington - Eastern Windham - Western Windham

13	0300EST								
14	1300EST				0	0			Extreme Cold/Wind Chill

Behind an Arctic cold front, very cold temperatures poured into the region upon brisk northwesterly winds. Temperatures dropped through the day on Saturday, February 13th, reaching lows of 12 to 28 degrees below zero across southern Vermont on Saturday night. Along with winds gusting 20 to 40 MPH, wind chill values reached 25 to 45 degrees below zero for Saturday night into Sunday morning.

With temperatures warming up and winds diminishing, the threat for dangerously cold temperatures and low wind chills ended on the afternoon hours of Sunday, February 14th.

Windham County 1 NNW Bellows Falls

25	0430EST								
	0700EST				0	0	0.00K	0.00K	Flood

Heavy rainfall falling on a frozen ground led to widespread urban flooding in Bellows Falls. The flood waters impacted several buildings within the town.

Windham County 1 NE Rockingham

25	0430EST								
	0700EST				0	0	0.00K	0.00K	Flood

Heavy rainfall falling on a frozen ground led to widespread poor drainage and small stream flooding in the town of Rockingham. Several buildings were impacted by flood waters.

A strong area of low pressure was located over the Ohio Valley on Wednesday, February 24th and the storm headed northeast towards the region. A warm front extended out of this storm, allowing for periods of rainfall during the day Wednesday, February 24th and into the evening hours. As the warm front passed through the region during the overnight hours, temperatures became quite mild for late February reaching into the 50s and 60s, despite it being in the middle of the night. In addition, thunderstorms ahead of the storm's cold front moved from the mid-Atlantic states up towards southern Vermont.

Storm Data and Unusual Weather Phenomena

February 2016

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

The thunderstorms produced a period of very heavy rainfall during the late evening and into the overnight hours. Rainfall fell at rates exceeding one inch per hour at times. This rainfall, combined with a frozen ground in places and some snow melt in mountainous areas, allowed for widespread flooding of urban, poor drainage and low lying areas. Some main stem rivers reached minor flood stage as well. The passage of the storm's cold front during the early morning hours of Thursday, February 25th ended the threat for thunderstorms and heavy rainfall. Some additional rainfall during the day on Thursday, February 25th allowed the receding of water of flooded areas to be slow to occur.

VIRGINIA, East

VAZ095-098

Norfolk - Virginia Beach

12	1100EST				0	0	0.00K	0.00K	Winter Weather
	1900EST								

Low pressure moving northeast just off the North Carolina coast produced between one half inch and one inch of snow across portions of southeast Virginia.

VAZ048-060>062-069-509>510

Cumberland - Eastern Louisa - Fluvanna - Goochland - Powhatan - Prince Edward - Western Louisa

14	2200EST				0	0	0.00K	0.00K	Winter Storm
16	0300EST								

The combination of Cold High Pressure moving off the Mid Atlantic Coast and Low Pressure tracking from eastern Texas northeast toward the Mid Atlantic Coast produced between three and six inches of snow across the Virginia Northern Neck and Central Virginia Piedmont.

VAZ065>068-079>080

Amelia - Brunswick - Dinwiddie - Lunenburg - Mecklenburg - Nottoway

14	2200EST				0	0	0.00K	0.00K	Winter Weather
15	2000EST								

The combination of Cold High Pressure moving off the Mid Atlantic Coast and Low Pressure tracking from eastern Texas northeast toward the Mid Atlantic Coast produced between one and four inches of snow across Central and South Central Virginia.

VAZ064-075-076

Caroline - Richmond - Westmoreland

14	2300EST				0	0	0.00K	0.00K	Winter Storm
16									

The combination of Cold High Pressure moving off the Mid Atlantic Coast and Low Pressure tracking from eastern Texas northeast toward the Mid Atlantic Coast produced between three and six inches of snow across the Virginia Northern Neck and Central Virginia Piedmont.

VAZ077-081>083-087>089-092>093-511>522

Charles City - Eastern Chesterfield - Eastern Essex - Eastern Hanover - Eastern Henrico - Eastern King And Queen - Eastern King William - Greensville - Isle of Wight - Lancaster - New Kent - Northumberland - Prince George - Southampton - Surry - Sussex - Western Chesterfield - Western Essex - Western Hanover - Western Henrico - Western King And Queen - Western King William

14	2300EST				0	0	0.00K	0.00K	Winter Weather
15	0200EST								

VAZ084>086-090-095>100-523>525

Accomack - Chesapeake - Gloucester - Hampton/poquoson - James City - Mathews - Middlesex - Newport News - Norfolk - Northampton - Suffolk - Virginia Beach - York

15	0000EST				0	0	0.00K	0.00K	Winter Weather
	1000EST								

The combination of Cold High Pressure moving off the Mid Atlantic Coast and Low Pressure tracking from eastern Texas northeast toward the Mid Atlantic Coast produced between one and three inches of snow across Eastern and Southeast Virginia.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
					Killed	Injured	Property		
VIRGINIA, East									
Sussex County									
3 SE Newville	24	1431EST							
3 N Waverly		1438EST	6.19	300	3	8	2.60M	0.00K	Tornado (EF1)
NWS storm survey concluded that an EF1 tornado occurred near Waverly. The tornado began a few miles south southwest of Waverly, moved fast through the town of Waverly, then ended about five miles north northeast of Waverly in Surry county. Maximum winds were between 100 and 110 mph. Numerous trees were downed, with two mobile homes destroyed and several homes and businesses damaged. M2MH, M26MH, M50MH									
Surry County									
4 SSE Barham	24	1438EST							
3 SW Savedge		1441EST	2.67	300	0	0	15.00K	0.00K	Tornado (EF1)
Tornado tracked from Sussex county into Surry county before lifting. Several trees were down, but no structural damage was observed.									
Charles City (c) County									
85 ENE Keysville	24	1505EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed across a telephone line along Capital Trail east of Charles City Courthouse.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
New Kent County									
4 NW Barhamsville	24	1505EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed along Route 33 east of Old Stage Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
King William County									
4 NNE Sweet Hall	24	1520EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed at Custis Mill Pond.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
King William County									
1 E Port Richmond	24	1522EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed on Thompson Road near West Point.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Hampton (c) County									
Hampton	24	1530EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Tree was downed on power lines along Robinson Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Newport News (c) County									
1 NW Hilton Vlg	24	1530EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed near the intersection of Cedar Road and River Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Isle Of Wight County									
1 E Smithfield	24	1540EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
Roof was blown off a barn.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Prince Edward County									
1 NNE Worsham	24	1545EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed on Farmville Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Newport News (c) County									
1 W Oyster Pt	24	1545EST			0	0	55.00K	0.00K	Thunderstorm Wind (50EG)
		1550EST							
Trees were downed on two homes in Newport News. One house was destroyed by the downed tree.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, East									
Norfolk (c) County									
2 NNE Norfolk	24	1559EST			0	0	0.00K	0.00K	Funnel Cloud
	A funnel cloud was reported.								
Fluvanna County									
1 NW Fork Union	24	1610EST							
1 SE Carysbrook		1620EST	4.42	350	0	0	325.00K	155.00K	Tornado (EF0)
	An EF0 tornado with winds estimated between 75 and 85 mph affected southeast Fluvanna county. The tornado path was about 4.5 miles in length beginning near Winnsville Drive and Tepee Town Road. It extended north northeast across Thessalonia Road and finally lifted after crossing Highway US 15, James Madison Highway, just north of Carys Creek Road. Numerous large trees were uprooted, and several houses received damage to shingles, siding and gutters. A few homes were damaged as trees fell on the homes. Also, one small outbuilding was destroyed near a home along Highway 15.								
Louisa County									
Louisa	24	1640EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were downed across the central portion of the county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Mecklenburg County									
2 E Phillis	24	1648EST			0	0	0.00K	0.00K	Hail (3.00)
	Tea cup size hail was reported at John Kerr Dam to New Castle Heights.								
Mecklenburg County									
2 SSE Redlaw	24	1648EST							
3 WSW Palmer Spgs		1655EST	5	150	0	0	260.00K	50.00K	Tornado (EF1)
	NWS storm survey found EF1 tornado damage along a path from the North Carolina Virginia line near Keats Point northeast through Palmer Point Recreation area, then to a point about five miles west of Bracey. Numerous trees were downed or snapped, minor roof damage occurred to a few homes, minor structural damage occurred to one home and a shed, and one home was moved off its foundation.								
Mecklenburg County									
1 ENE Phillis	24	1651EST			0	0	0.00K	0.00K	Hail (3.00)
	Tea cup size hail was reported near Castle Heights.								
Mecklenburg County									
1 NE Baskerville	24	1656EST			0	0	0.00K	0.00K	Hail (1.00)
	Quarter size hail was reported at Baskerville Road.								
Mecklenburg County									
1 W South Hill	24	1700EST			0	0	0.00K	0.00K	Hail (1.75)
	Golf ball size hail was reported one to two miles west of South Hill.								
Goochland County									
4 NNW Hadensville	24	1700EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were downed along Shannon Hill Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Mecklenburg County									
1 SE Opie	24	1703EST			0	0	0.00K	0.00K	Hail (3.00)
	Tea cup size hail was reported northwest of South Hill.								
Brunswick County									
3 NNE Brodnax	24	1706EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were downed along Forksville Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Mecklenburg County									
1 SSW Palmer Spgs	24	1712EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
	Trees were downed on Palmer Springs Road about one mile east of Route 4. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, East									
Lunenburg County 5 ESE Bagleys Mills	24	1715EST			0	0	0.00K	0.00K	Hail (1.75)
			Golf ball size hail was reported.						
Amelia County 1 N Jetersville	24	1725EST			0	0	0.00K	0.00K	Hail (1.00)
			Quarter size hail was reported near Jetersville.						
Amelia County 5 SSW Rodephil	24	1730EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed along Saylers Creek Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Goochland County 1 NE Maidens	24	1735EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Goochland County 1 N Goochland	24	1735EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed along Fairground Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Goochland County 3 SE Sandy Hook	24	1735EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Brunswick County 3 SE Brodnax	24	1741EST			0	0	0.00K	0.00K	Hail (1.00)
			Quarter size hail was reported.						
Brunswick County 2 ESE Grandy	24	1755EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed along Old Indian Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Chesterfield County 3 S Chesterfield	24	1755EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
			Large tree was downed on East Fair Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Hanover County 2 WSW Hewlett	24	1755EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed across the west end of Hanover county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Brunswick County 2 E Sturgeonville	24	1800EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
			Trees were downed near Boydton Plank Road and Rawlings Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Caroline County 1 NNE Cedon	24	1805EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
			Numerous trees and power lines were downed across northern Caroline county. Numerous roads were blocked. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						
Hanover County 2 NNE Mechanicsville	24	1815EST			0	0	0.00K	0.00K	Hail (1.00)
			Quarter size hail was reported near Mechanicsville.						
Chesterfield County 3 NNE Matoaca	24	1820EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
			Large tree was downed across Woodpecker Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.						

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
VIRGINIA, East									
Chesterfield County									
3 NNW Ettrick	24	1822EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
									Large tree was downed and fell on an outbuilding. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.
Richmond County									
45 WSW Wellford	24	1825EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
									Large tree was downed and blocking southbound lanes on Interstate 95. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.
King And Queen County									
1 N Bruington	24	1834EST							
1 NE Minor		1837EST	2.58	200	0	0	500.00K	5.00K	Tornado (EF1)
									Tornado initially touched down along Homlestown Road, then moved along Bruington Road where a home was destroyed and others were damaged just west of Millers Tavern. The tornado then crossed Highway 360 and moved into Essex county.
Essex County									
4 W Howertons	24	1837EST							
2 N Tappahannock		1847EST	10.7	500	0	25	4.50M	750.00K	Tornado (EF3)
									Tornado tracked from King and Queen county into Essex county as an intensifying, high end EF1 severely damaging several homes along Dunbrook Road. The tornado continued to intensify crossing Perkins Road as an EF2 before hitting Kino Road as an EF3 tornado. Along Kino Road, all the homes in the path including three modular homes, two double wide mobile homes and one single wide mobile home were completely destroyed with most of the debris carried away. Tree damage was severe and winds were estimated at 140 to 150 mph based on damage. Everyone impacted by the tornado along Kino Road suffered injuries, some life threatening. After leaving the Kino Road area, the tornado crossed Scotts Mill Road just west of Tappahannock as a high end EF2 tornado causing severe tree damage, severely damaging numerous homes and causing the collapse of several garages and outbuildings. The tornado passed just west of downtown Tappahannock, crossing Highway 17 as an EF1 tornado and severely damaging homes on Tuckaway Lane and Highway 17. The tornado then crossed the Rappahannock River and into Richmond county.
Hopewell (c) County									
83 SSE Goldvein	24	1838EST			0	0	0.00K	0.00K	Hail (1.00)
									Quarter size hail was reported.
Prince George County									
1 E Jefferson Park	24	1840EST			0	0	0.00K	0.00K	Hail (1.00)
									Quarter size hail was reported.
Prince George County									
3 NNE Prince George	24	1840EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
									Trees were downed across northern Prince George county including Jordan Point Road, Middle Road, and James River Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.
Hopewell (c) County									
2 ENE Hopewell	24	1842EST			0	0	0.00K	0.00K	Hail (1.25)
									Half dollar size hail was reported.
Richmond County									
5 SSW Havelock	24	1847EST							
2 E Farmers Fork		1857EST	7.47	300	0	0	3.30M	0.00K	Tornado (EF2)
									Tornado crossed the Rappahannock River from Essex county into Richmond county. The tornado struck Naylor's Beach as an EF2 tornado removing significant portions of the upper floor of one two story home and destroying several other smaller homes. At this point, the tornado was 300 yards wide with winds around 120 mph. The tornado then crossed Newland Road, weakening slightly to low end EF1 with winds around 90 mph and continuing to Tallent Town Road and Piney Grove Road. The tornado then tracked into Westmoreland county.
Dinwiddie County									
4 WSW Carson	24	1853EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
									Trees were downed across southeast Dinwiddie county. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, East									
New Kent County									
1 W New Kent	24	1855EST			0	0	107.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed. In addition, a garage door at the Fire Station was blown out by the wind, and a school bus was destroyed when the wind downed a tree onto the bus.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Westmoreland County									
1 WNW Nomini Grove	24	1857EST			0	0	905.00K	78.00K	Tornado (EF1)
3 N Erica		1905EST	9.59	400	0	0			
Tornado re-intensified as it moved from Richmond county into Westmoreland county, crossing Kings Highway (Route 3) west of Naomi Grove as a high end EF1 tornado. Tornadic winds increased to 100 mph, severely damaging two homes and destroying a mobile home along Kings Highway. The tornado continued to Cople Highway near Mount Holly, severely damaging numerous homes. After crossing Nomini Creek, the tornado crossed Bushfield Road damaging several homes. The tornado then continued northeast along Mount Holly Road, uprooting and snapping trees before moving into the Potomac River.									
Prince George County									
1 N Prince George	24	1910EST			0	0	0.00K	0.00K	Hail (1.00)
Quarter size hail was reported.									
Prince George County									
2 N Poe	24	1930EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed along Baxter Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Prince George County									
3 SSW Poe	24	1933EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed along Crater Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Hopewell (c) County									
1 E Hopewell	24	1935EST			0	0	0.00K	0.00K	Hail (1.25)
Half dollar size hail was reported.									
Prince George County									
2 SSW Jefferson Park	24	1935EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed along River Road near Irwin Road.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Prince George County									
4 NNE Prince George	24	1940EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed near Route 10.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Franklin (c) County									
150 E Sago	24	1954EST			0	0	1.00K	0.00K	Thunderstorm Wind (53MG)
Wind gust of 53 knots (61 mph) was measured in the City of Franklin.									
Note: The measured wind gust of 53 knots is equivalent to 61 mph.									
New Kent County									
3 WSW Plum Pt	24	2010EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Trees were downed.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Suffolk (c) County									
Suffolk	24	2010EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Numerous trees were downed across the city of Suffolk.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									
Suffolk (c) County									
1 SW South Suffolk	24	2015EST			0	0	0.00K	0.00K	Hail (1.00)
Quarter size hail was reported near Nansemond Square.									
Portsmouth (c) County									
2 SE Portsmouth	24	2023EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
Minor structural damage occurred where shingles were blown off a roof.									
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

Middlesex County 4 SW Morattico

24	2025EST								
	2029EST	2.8	100	0	0	10.00K	0.00K	Tornado (EF0)	

Tornado began as an EF0 near a Boy Scout Camp in Middlesex county. It then crossed the Rappahannock River into Lancaster county where it intensified to an EF1.

Lancaster County 1 W Morattico 2 WNW Litwalton

24	2029EST								
	2033EST	3.26	150	0	0	377.00K	0.00K	Tornado (EF1)	

The tornado that began as an EF0 in Middlesex county, intensified briefly to an EF1 in the Norwood Church Road area near Flagstaff Road in Lancaster county. In this area, a brick wall on a garage was flattened, the roof was ripped off a house, and an outbuilding was destroyed. Numerous large trees were snapped including two foot diameter pine trees. The tornado continued north and northeast for a short distance before lifting.

York County 1 SW Seaford

24	2030EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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Large tree was downed in residential backyard.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Middlesex County 1 N Warner 2 ESE Samos

24	2035EST								
	2041EST	4.01	150	0	0	275.00K	402.00K	Tornado (EF1)	

NWS storm survey concluded that an EF1 tornado with winds estimated around 100 mph affected Middlesex county near Remlik. The tornado destroyed a house on Reed Road, tore off the second story of a barn in Hampstead Farms, and tore off the roof of another barn in Corbin Farms.

Scattered severe thunderstorms in advance of a cold front produced damaging winds, large hail, and six tornadoes across portions of central and eastern Virginia.

VIRGINIA, Extreme Southwest

VAZ002-006-008

Russell - Washington - Wise

08	1500EST								
09	0500EST			0	0			Heavy Snow	

Sub-freezing air spilled south through the Eastern United States for a two day period of mainly orographic snowfall as several shorter wavelength systems dropped southeast out of the Northern Plains and Great Lakes. The snow accumulated to a depth of three to five inches on average however, some greater snowfall totals occurred primarily in the highest terrain across Southwest Virginia and in the Smoky Mountains.

VAZ001-005-008

Lee - Scott - Washington - Wise

14	1300EST								
	1000EST			0	0			Heavy Snow	

A moderate to strong upper level system moved into the region generating heavy snowfall amounts averaging 3 to 5 inches.

VIRGINIA, North

VAZ027-029

Page - Shenandoah

02	0215EST								
	0915EST			0	0			Dense Fog	

Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of the Shenandoah Valley.

Frederick County 2 SE Burning Knolls

03	1500EST								
04	0827EST			0	0	0.00K	0.00K	Flood	

Sulpher Springs Road near the Clarke County line was closed due to high water.

Storm Data and Unusual Weather Phenomena

February 2016

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

Loudoun County

1 ENE Purcellville

03	1625EST								
04	0827EST				0	0	0.00K	0.00K	Flood

Water was about 18 to 24 inches deep from the South Fork Catoctin Creek flowing over Allder School Road between Berlin Turnpike and Purcellville Road.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

VAZ055

Stafford

03	1856EST								
04	0456EST				0	0			Dense Fog

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Virginia.

Clarke County

5 ESE Berryville

5 SE Claytonville

03	1927EST								
04	0827EST				0	0	0.00K	0.00K	Flood

There were portions of River Road near the Shenandoah River and Mount Carmel Road closed due to high water.

Clarke County

2 SW Wadesville

03	1927EST								
04	0827EST				0	0	0.00K	0.00K	Flood

Old Charles Town Road was closed near the Opequon Creek.

Clarke County

2 E Claytonville

03	1927EST								
04	0827EST				0	0	0.00K	0.00K	Flood

Ellerslie Road was closed near the Shenandoah River due to high water.

Clarke County

4 NNW Boyce

03	1927EST								
04	0827EST				0	0	0.00K	0.00K	Flood

Senseny Road was closed between Triple J Road and Salem Church Road.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

VAZ025-037-053-502-506

Albemarle - Augusta - Eastern Loudoun - Fairfax - Southern Fauquier

03	1935EST								
04	0415EST				0	0			Dense Fog

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Virginia.

VAZ027-030-501-505

Clarke - Northern Fauquier - Shenandoah - Warren - Western Loudoun

09	0300EST								
	1300EST				0	0			Winter Weather

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of northern Virginia.

Storm Data and Unusual Weather Phenomena

February 2016

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

VAZ026-029-039-050>051-055>057-502-507

Culpeper - King George - Madison - Northern Virginia Blue Ridge - Orange - Page - Rappahannock - Rockingham - Southern Fauquier - Spotsylvania - Stafford

14	2100EST								
16	0800EST				0	0			Winter Storm

VAZ036>038-052-508

Albemarle - Central Virginia Blue Ridge - Greene - Nelson - Prince William

14	2100EST								
16	0800EST				0	0			Winter Weather

VAZ025-027-030>031-501-504

Augusta - Clarke - Eastern Highland - Frederick - Northern Fauquier - Shenandoah - Warren

14	2300EST								
16	0800EST				0	0			Ice Storm

VAZ053-505>506

Arlington - Eastern Loudoun - Fairfax - Western Loudoun

14	2300EST								
16	0800EST				0	0			Winter Weather

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

VAZ025-037-050

Albemarle - Augusta - Orange

21	1835EST								
	2328EST				0	0			Dense Fog

Recent rain led to lower levels remaining saturated in the valleys of northern Virginia. As high pressure built in, clearing skies and light winds allowed for areas of dense fog to form.

Orange County
2 NW Lahore

24	1646EST								
					0	0			Thunderstorm Wind (60EG)

Numerous trees were reported down outside of Lahore.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail. Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Albemarle County
3 SSW Blemheim

24	1647EST								
25	0030EST				0	0	0.00K	0.00K	Flood

There was one foot of water flowing across the road in the 200 block of Glendower Road.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

Spotsylvania County
1 N Brockroad

24	1659EST								
					0	0			Thunderstorm Wind (60EG)

A large tree was reported down on Chancellorsville Rd at Brock Rd.

Note: The estimated wind gust of 60 knots is equivalent to 69 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, North									
Loudoun County									
2 SE Leesburg	24	1707EST			0	0			Thunderstorm Wind (60EG)
A large tree was reported down on Route 15 north of Leesburg at the Junction with Selma Lane.									
Note: The estimated wind gust of 60 knots is equivalent to 69 mph.									
Stafford County									
2 W Ruby	24	1710EST			0	0			Thunderstorm Wind (52EG)
Multiple trees were reported down on power lines at Tacketts Mill Rd and Mill Lane.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Prince William County									
1 SW Woodbridge	24	1731EST			0	0			Thunderstorm Wind (52EG)
Numerous reports of trees down across the entire town.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fredericksburg (c) County									
63 SE Dbl Tollgate	24	1732EST			0	0			Thunderstorm Wind (52EG)
Multiple trees and several wires were reported down.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fairfax County									
1 SE Floris	24	1733EST			0	0			Thunderstorm Wind (52EG)
Several large trees were reported down.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fairfax County									
1 N Oakton	24	1735EST			0	0			Thunderstorm Wind (52EG)
Multiple branches around 4 inches in diameter and 5 to 6 feet in length were reported down.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fairfax County									
1 WNW Great Falls	24	1742EST			0	0			Thunderstorm Wind (52EG)
Multiple trees were reported down on power lines.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fairfax County									
1 SE Floris	24	1745EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Large tree was reported down.									
Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Fairfax County									
1 W Langley	24	1745EST			0	0			Thunderstorm Wind (52EG)
Multiple trees were reported down on power lines.									
Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased shear across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									
Spotsylvania County									
1 ENE Five Mile	24	1830EST 2115EST			0	0	0.00K	0.00K	Flash Flood
Salem Church Road was flooded and closed near Jackson Road.									
Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.									
King George County									
1 W Owens	24	1839EST			0	0			Thunderstorm Wind (52EG)
Multiple trees were reported down near James Madison Parkway and Hillcrest Dr.									
Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased shear across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail. Note: The estimated wind gust of 52 knots is equivalent to 60 mph.									

Storm Data and Unusual Weather Phenomena

February 2016

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

VAZ027

Shenandoah

24	1855EST				0	0			Dense Fog
	2215EST								

A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog in the valleys of northern Virginia.

Fairfax County 1 N Belle Haven

24	1901EST				0	0	0.00K	0.00K	Flash Flood
	2030EST								

The stream gauge at Cameron Run exceeded the flood stage at Huntington at 19:01 EST. This caused flooding of Fenwick Drive with over a foot of flowing water at the end of the road. The stream fell below flood stage around 20:30 EST.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

VAZ054

Arlington

24	1912EST				0	0			Coastal Flood
	2130EST								

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of Alexandria waterfront.

Fairfax County 1 NE Weyanoke

24	1925EST				0	0	0.00K	0.00K	Flood
25	0147EST								

There was a water rescue reported on Cherokee Avenue.

Stafford County 1 NE Falmouth

24	1943EST				0	0	0.00K	0.00K	Flood
25	0147EST								

Harell Road was closed at Forbes Street due to high water.

Stafford County 1 N Stafford

24	1943EST				0	0	0.00K	0.00K	Flood
25	0147EST								

Austin Run Boulevard was closed at Jefferson Davis Highway due to high water.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

VAZ030-502

Southern Fauquier - Warren

24	2015EST				0	0			Dense Fog
	2215EST								

A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog in the valleys of northern Virginia.

Fairfax County 1 WSW Springfield Estates

24	2026EST				0	0	0.00K	0.00K	Flood
25	0147EST								

Franconia-Springfield Parkway was closed at Bonniemill Lane due to high water.

Storm Data and Unusual Weather Phenomena

February 2016

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

Fairfax County 1 WSW Tremont

24	2156EST				0	0	0.00K	0.00K	Flood
	2323EST								

The stream gauge on Accotink Creek at Annandale reached a flood stage of 9.5 feet. The gauge peaked at 9.77 feet at 23:45 EST. Woodburn Road was flooded at Accotink Creek.

Albemarle County 1 NW Stony Pt 1 WNW Gilbert

24	2304EST				0	0	0.00K	0.00K	Flood
25	0030EST				0	0	0.00K	0.00K	Flood

The 3800 block of Watts Passage was closed due to flooding from Preddy Creek.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

VIRGINIA, Northwest

VAZ003-004

Buchanan - Dickenson

14	1600EST				0	0	0.00K	0.00K	Heavy Snow
15	0400EST				0	0	0.00K	0.00K	Heavy Snow

Strong warm advection, north of a warm front in Tennessee, caused snow to develop across far western Virginia during the late afternoon on the 14th.

Four to 6 inches of snow fell in less than 12 hours. For example, Clintwood had a 4 inch accumulation, while Grundy saw a 5 inch accumulation. A 6 inch accumulation fell near Nora.

The snow changed to rain by late morning on the 15th. Occasional rain fell into the early hours of the 16th before ending as some wet snow and drizzle.

VIRGINIA, Southwest

Patrick County 1 N Woolwine

03	1230EST				0	0	10.00K	0.00K	Flash Flood
	1330EST								

A car was washed into Jill Creek along Route northwest of Woolwine.

Strong low pressure formed over the southern Plains on the 2nd of February and tracked into the Great Lakes pulling a cold front across the region by early on the 4th. This system brought heavy rain, which first pushed into the northwest NC mountains during the early morning hours of the 3rd. The rain advanced northeast into Virginia through the mid-morning hours. In Patrick County, the rainfall was particularly intense for several hours with rates 0.5 to 1.0 per hour. A report was received of a car washed into Jill Creek near Woolwine by flood waters.

VAZ007

Tazewell

08	1635EST				0	0			Winter Storm
11	1735EST				0	0	0.00K		Winter Storm

A strong cyclone sank into the Ohio Valley and then remain near stationary for three days. Two separate cold fronts associated with this low passed through the region. With passage of the first front a rain/snow mix developed. The passage of the second front would encourage more robust snow amounts.

VAZ007-009>020-022>024-032>035-043>047-058>059

Alleghany - Amherst - Appomattox - Bath - Bedford - Bland - Botetourt - Buckingham - Campbell - Carroll - Charlotte - Craig - Floyd - Franklin - Giles - Grayson - Halifax - Henry - Montgomery - Patrick - Pittsylvania - Pulaski - Roanoke - Rockbridge - Smyth - Tazewell - Wythe

14	1125EST				0	0			Winter Storm
16	0800EST				0	0	0.00K		Winter Storm

Storm Data and Unusual Weather Phenomena

February 2016

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

VAZ022-043-045

Botetourt - Campbell - Henry - Roanoke

16	0430EST 1100EST						75.0K	0.00K	Strong Wind
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A strong winter storm took a favorable track for heavy snow and a wintry mix, moving from the southeast U.S. into New England. This resulted in widespread heavy snow across southwest Virginia. In the mountains, snowfall in excess of 6-10 inches was common with small amounts of freezing rain. East of the Blue Ridge, while some locations did get up to 6 inches of snow, the freezing rain amounts were far more significant. In the wake of the storm, strong winds were seen through the region. Coupled with the icy conditions, this led to numerous traffic accidents and power outages.

Patrick County

1 E Ararat

24	1242EST 1248EST								Hail (1.75)
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Patrick County

1 E Ararat

24	1245EST 1247EST	1.4	800	0	0	205.00K	140.00K	Tornado (EF1)
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This tornado occurred in the Ararat area of Patrick County. The tornado touched down near the end of epperson lane and continued across Ararat Highway where about a half-dozen homes had minor roof damage. The tornado proceeded across pond road where a mobile home was blown off its foundation and further tree damage occurred.

The tornado was on the ground for less than 2 miles but at its peak was half a mile wide. Patrick County Emergency Management said that a total of 22 homes were damaged and one completely destroyed. Several outbuildings and hundreds of trees were blown down by the storm. No injuries were reported.

Floyd County

3 E Shelors Mill

24	1258EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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A power line was blown by thunderstorm winds near Fairview Church Rd. and Route 8.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

VAZ010

Bland

24	1300EST			0	0	10.0K	0.00K	Strong Wind
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Montgomery County

1 SSE Prices Fork

24	1300EST			0	0	0.50K		Thunderstorm Wind (50EG)
----	---------	--	--	---	---	-------	--	--------------------------

Thunderstorm winds brought down a tree on Prices Fork Road near McCoy Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Montgomery County

2 SSW Rogers

24	1310EST			0	0	0.50K		Thunderstorm Wind (50EG)
----	---------	--	--	---	---	-------	--	--------------------------

A tree was blown down by thunderstorm winds on Union Valley Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Henry County

1 W Collinsville

24	1355EST			0	0	20.00K		Thunderstorm Wind (50EG)
----	---------	--	--	---	---	--------	--	--------------------------

Thunderstorm winds blew down two trees a house in Collinsville.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Henry County

1 WNW Chatmoss

24	1415EST			0	0	0.50K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds knocked down a tree, which blocked A.P. Hill Drive.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Bedford County

Stewartsville

24	1430EST			0	0	5.00K		Thunderstorm Wind (50EG)
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A small barn was severely damaged by thunderstorm winds.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, Southwest									
Pittsylvania County Dry Fork	24	1444EST			0	0	5.00K		Thunderstorm Wind (55EG)
	Several large trees were blown down by thunderstorm winds. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Pittsylvania County 2 NE Weal	24	1445EST			0	0			Hail (1.00)
Pittsylvania County Chatham	24	1446EST			0	0			Hail (1.00)
Pittsylvania County 2 SSE Chatham	24	1450EST			0	0	5.00K		Thunderstorm Wind (55EG)
	Broadcast Media reported that multiple trees and power lines were blown down by thunderstorm winds on Route 29. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Pittsylvania County Java	24	1509EST			0	0	5.00K		Thunderstorm Wind (50EG)
	Several trees were blown down by thunderstorm winds in the Java area. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Pittsylvania County 1 S Kentuck	24	1515EST			0	0	5.00K		Thunderstorm Wind (55EG)
	Several trees and power lines were blown down by thunderstorm winds. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Pittsylvania County Glenwood	24	1519EST			0	0	15.00K		Thunderstorm Wind (55EG)
	Thunderstorm winds brought down power lines and poles along Mountain Hill Rd. Note: The estimated wind gust of 55 knots is equivalent to 63 mph.								
Halifax County 1 S Leda	24	1525EST			0	0			Hail (1.50)
	Aside from the ping pong ball size hail, several 3-4 branches were snapped off of trees.								
Pittsylvania County 2 W Ringgold	24	1526EST			0	0	0.50K		Thunderstorm Wind (50EG)
	Thunderstorm winds blew down a tree on Wilkerson Road. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.								
Campbell County 3 E Mike	24	1527EST 1528EST	0.43	125	0	0	10.00K	0.00K	Tornado (EF0)
	The tornado touched down in Campbell County, downing several trees. It only remained in the county for a brief time before passing into Appomattox County where it strengthened to an EF-3.								
Appomattox County 4 E Spring Mills 5 NNE Hixburg	24	1528EST 1544EST	16.89	400	1	7	11.20M		Tornado (EF3)
	A tornado touched down just outside Appomattox county in Campbell county, then traveled 16 miles northeast across Appomattox county. At its peak, this tornado reached EF-3 intensity, which was the first EF-3 tornado or stronger in the month of February in the NWS Blacksburg forecast area. For Appomattox County, this was only the third tornado on record since 1950, and the only tornado rated EF-3 or higher. The tornado passed just southeast of the town of Appomattox, impacting the community of Evergreen before lifting near Holiday Lake State Park. The fatality and all the injuries occurred in Evergreen, when the tornado was at its greatest intensity. Thirty structures were completely destroyed and 160 others were damaged, mostly in the Evergreen area. There were also 7 injuries and 1 fatality from this tornado. Numerous trees were snapped and uprooted. M780U								

Storm Data and Unusual Weather Phenomena

February 2016

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

Halifax County 4 S Barksdale

24	1545EST				0	0	0.50K		Thunderstorm Wind (50EG)
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Thunderstorm winds blew down one tree.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Halifax County 3 W Boyds Store

24	1547EST				0	0	0.50K		Thunderstorm Wind (50EG)
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Thunderstorm winds blew down one tree.
Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Halifax County 1 S Dudley

24	1600EST				0	0	0.50K		Thunderstorm Wind (50EG)
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Thunderstorm winds blew down a tree, which brought down power lines.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Buckingham County 4 NNE Curdsville

24	1612EST				0	0			Hail (1.00)
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Buckingham County 1 S Dillwyn

24	1612EST				0	0			Hail (1.00)
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Halifax County 1 ESE Riverdale

24	1617EST				0	0	10.00K	0.00K	Thunderstorm Wind (55EG)
----	---------	--	--	--	---	---	--------	-------	--------------------------

Thunderstorm winds knocked down several trees and blew a metal roof blown off an outbuilding on Poderosa Road.

Note: The estimated wind gust of 55 knots is equivalent to 63 mph.

Charlotte County 1 WSW Mossingford

24	1630EST				0	0	0.50K		Thunderstorm Wind (50EG)
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Thunderstorm winds blew down a tree on Saxekey Road near Mossing Ford Road.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Charlotte County Drakes Branch

24	1632EST				0	0	0.50K		Thunderstorm Wind (50EG)
----	---------	--	--	--	---	---	-------	--	--------------------------

Thunderstorm winds blew down a tree on Highway 59 near Drakes Branch.

Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

Charlotte County 2 NW Keysville

24	1640EST				0	0	1.00K		Thunderstorm Wind (50EG)
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Thunderstorm winds blew down two trees near Briery Road.
A strong surface low was located over Western TN in the morning. A wedge was in place over the region and expected to be eroded by a strong low level jet. Bulk shear of 60 knots and storm-relative Helicity in the 400-600 m**2/s**2 range provided the dynamics for this severe event. With this shear in place, thunderstorms developed mainly east of the Blue Ridge, but some were also seen in the New and Roanoke River Valleys. Reports of thunderstorm wind damage and large hail came in from multiple counties across Virginia and North Carolina. Also, two tornados (including a historic EF-3 in Appomattox County) occurred. This was the first EF-3 tornado in the month of February ever recorded in the NWS Blacksburg forecast area. Note: The estimated wind gust of 50 knots is equivalent to 58 mph.

WASHINGTON, Northeast

WAZ034

Moses Lake Area

15	0400PST				0	0	1.0K	0.00K	Strong Wind
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A cold front passage brought locally damaging wind to parts of Eastern Washington Friday February 15,2016.

WAZ037

Northeast Mountains

19	1000PST				0	0	0.00K	0.00K	Winter Storm
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A negatively tilted cold front pushed through the area and brought heavy snow to mountain locations of Northeast Washington above 4000 feet MSL on Friday February 19th and the early morning of Saturday February 20th.

Storm Data and Unusual Weather Phenomena

February 2016

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

WAZ001-503

San Juan - Western Whatcom

05	1208PST				0	0	0.00K	0.00K	High Wind
	1808PST								

High wind occurred for a few hours in western Whatcom county and in the San Juans.

WASHINGTON, Southwest

WAZ019

West Slopes Southern Cascades and Passes

05	1300PST				0	0	0.00K	0.00K	High Wind
	1702PST								

A low level jet ahead of an occluded front produced several hours of strong winds to the South Washington coast.

WAZ020

Southwest Interior

28	1301PST				0	0	0.00K	0.00K	High Wind
	1501PST								

A cold front produced a burst of gusty winds across the Willapa hills.

WEST VIRGINIA, East

WVZ502

Eastern Grant

01	1915EST								
02	1035EST				0	0			Dense Fog

Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of eastern West Virginia.

Morgan County

3 SSW Great Cacapon
3 W Rock Gap

02	0544EST				0	0	0.00K	0.00K	Flood
	1424EST								

The stream gauge on Cacapon River at Great Cacapon reached flood stage. The ice-affected gauge peaked at 9.85 at 07:30 EST. Rock Ford Road began to flood in multiple locations, including flowing completely over the low water bridge. Constant Run road also began to flood.

Snow melt led to rapid rises on rivers and streams across the eastern panhandle of West Virginia. An ice jam was reported at the Cacapon River at Great Cacapon which led to flooding.

WVZ052

Berkeley

03	2239EST								
04	0257EST				0	0			Dense Fog

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across eastern West Virginia.

Berkeley County

2 WSW Vanclevessville

04	0027EST				0	0	0.00K	0.00K	Flood
	1147EST								

The stream gauge on Opequon Creek at Martinsburg reached flood stage. The gauge peaked at 10.80 feet at 06:45 EST. Floodwaters began to cover Douglas Grove Road (Cty Road 9/16) east of Martinsburg. A portion of Bowers Road is also flooded. Low lying areas near the creek begin to flood. Water also began to cover the stream access point at Stone Bridge.

Morgan County

3 SSW Great Cacapon
3 W Rock Gap

04	0100EST				0	0	0.00K	0.00K	Flood
	1503EST								

Storm Data and Unusual Weather Phenomena

February 2016

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

The stream gauge on Cacapon River at Great Cacapon reached flood stage. The gauge peaked at 10.07 at 05:45 EST. Rock Ford Road began to flood in multiple locations, including flowing completely over the low water bridge. Constant Run road also began to flood.

Jefferson County 1 SW Millville

04	1525EST								
05	1047EST				0	0	0.00K	0.00K	Flood

The stream gauge on Shenandoah River at Millville reached flood stage. The gauge peaked at 10.90 feet at 00:30 EST. Parts of Bloomery Road and John Rissler Road were flooded near Bloomery, WV. Once these roads flood, access to homes is impaired but the homes themselves are not in any danger of flooding. Moulton Park and the Millville boat launch are also flooded.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

WVZ501-503-505

Western Grant - Western Mineral - Western Pendleton

08	2200EST								
09	1000EST				0	0			Winter Weather

WVZ050>053-055-502-504-506

Berkeley - Eastern Grant - Eastern Mineral - Eastern Pendleton - Hampshire - Hardy - Jefferson - Morgan

09	0300EST								
	1300EST				0	0			Winter Weather

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of eastern West Virginia.

WVZ055-502-506

Eastern Grant - Eastern Pendleton - Hardy - Western Mineral

14	2100EST								
16	0800EST				0	0			Ice Storm

WVZ501-505

Western Grant - Western Pendleton

14	2100EST								
16	0800EST				0	0			Winter Weather

WVZ050>053-504

Berkeley - Eastern Mineral - Hampshire - Jefferson - Morgan

14	2300EST								
16	1000EST				0	0			Ice Storm

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

WVZ052

Berkeley

24	1932EST								
	2157EST				0	0			Dense Fog

A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog over eastern West Virginia.

Storm Data and Unusual Weather Phenomena

February 2016

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

WVZ003-511-514

Eastern Tucker - Ohio - Preston

13	0000EST								
	1000EST				0	0	0.00K		Cold/Wind Chill

Arctic air and strong winds produced wind chills from 10 to more than 20 degrees below zero the morning of the 13th across eastern Ohio, western Pennsylvania, northern West Virginia, and Garrett county Maryland.

WVZ512-514

Eastern Preston - Eastern Tucker

15	2000EST								
16	1000EST				0	0	0.00K		Winter Weather

Low pressure moved north through the Upper Ohio Valley the night of the 15th into the morning of the 17th. A swath of heavy snow fell in a band from Columbiana county in Ohio to Forest county on Pennsylvania, with a general 6 to 12 inches of snow. A lesser band of snow from 2 to 4 inches fell south and west across eastern Ohio from New Philadelphia to Zanesville. Elsewhere freezing rain was dominate across the rest of western Pennsylvania into the ridges of northern West Virginia, and Garrett county Maryland. Significant ice accumulation over one quarter of an inch occurred in Clarion and Jefferson counties in Pennsylvania, with lesser amounts elsewhere.

WEST VIRGINIA, Southeast

WVZ042-508

Mercer - Western Greenbrier

08	1621EST								
11	1535EST				0	0	0.00K	0.00K	Winter Storm

A strong cyclone sank into the Ohio Valley and then remain near stationary for three days. Two separate cold fronts associated with this low passed through the region. With passage of the first front a rain/snow mix developed. The passage of the second front would encourage more robust snow amounts.

14	1400EST								
16	0300EST				0	0	0.00K		Winter Storm

WVZ043-507>508

Eastern Greenbrier - Monroe - Summers - Western Greenbrier

14	1400EST								
16	0700EST				0	0	0.00K		Winter Storm

A strong winter storm took a favorable track for heavy snow, moving from the southeast U.S. into New England. This resulted in widespread heavy snow across southeast West Virginia. Snowfall amounts in excess of 6-10 inches was common.

WEST VIRGINIA, West

WVZ009-017-019

Pleasants - Ritchie - Wirt - Wood

08	2100EST								
09	1700EST				0	0	0.00K	0.00K	Heavy Snow

Ahead of a large mid and upper level trough, rain showers changed to snow showers during the late afternoon and evening of the 8th. West to east bands of snow showers were most persistent near the Route 50 corridor in the Mid Ohio Valley during the late night. The heaviest snow occurred on either side of dawn on the 9th, with temperatures in the 20s.

Snow accumulations of 4 to 6 inches were common across Wood, Pleasants, Ritchie, and Wirt Counties by midday on the 9th. This included the Parkersburg vicinity.

Further east and south, snow accumulations were less through midday on the 9th.

As the air turned colder, occasional snow showers lingered on the 10th.

WVZ005-014-024

Cabell - Mingo - Putnam - Wayne

14	1600EST								
	0400EST				0	0	0.00K	0.00K	Heavy Snow

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
WEST VIRGINIA, West									
WVZ007	Mason								
	14	1615EST 2100EST			0	0	0.00K	0.00K	Winter Weather
WVZ033	McDowell								
	14	1630EST			0	0	0.00K	0.00K	Heavy Snow
	15	0600EST			0	0	0.00K	0.00K	Heavy Snow
WVZ008	Jackson								
	14	1630EST 2200EST			0	0	0.00K	0.00K	Winter Weather
WVZ013-025-034	Boone - Lincoln - Logan - Wyoming								
	14	1645EST 0130EST			0	0	0.00K	0.00K	Heavy Snow
WVZ035	Raleigh								
	14	1700EST			0	0	0.00K	0.00K	Winter Storm
	15	1930EST			0	0	0.00K	0.00K	Winter Storm
WVZ015	Kanawha								
	14	1715EST 2345EST			0	0	0.00K	0.00K	Heavy Snow
WVZ016	Roane								
	14	1715EST 2300EST			0	0	0.00K	0.00K	Winter Weather
WVZ036	Fayette								
	14	1730EST			0	0	0.00K	0.00K	Winter Storm
	15	1930EST			0	0	0.00K	0.00K	Winter Storm
WVZ027-037	Clay - Nicholas								
	14	1730EST 0500EST			0	0	0.00K	0.00K	Winter Weather
WVZ046	Pocahontas								
	14	1900EST			0	0	0.00K	0.00K	Winter Storm
	16	0130EST			0	0	0.00K	0.00K	Winter Storm
Doddridge County									
1 E Central Station	16	1200EST			0	0	2.00K	0.00K	Flood
2 WSW Smithburg		2300EST			0	0	2.00K	0.00K	Flood

Middle Island Creek overflowed and closed a portion of Route 18 near West Union.

Storm Data and Unusual Weather Phenomena

February 2016

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

Tyler County

1 NW Deep Vly

1 ENE Tyler

16	1200EST								
17	0600EST				0	0	15.00K	0.00K	Flood

Middle Island Creek gradually rose and caused minor flooding on the 16th into the 17th. Near Alma and the mouth of McElroy Crrek, the intersection of Routes 18 and 23 was flooded. In this vicinity, the Shirley Volunteer Fire Department did 2 water rescues from vehicles that stalled in the high water.

The stream gauge at Little rose about 14 feet, cresting near 17 feet during the night of the 16th into the 17th. Bankfull is 14 feet in the vicinity of the gauge.

Temperatures were in the single digits to below zero at dawn on the 14th. Strong warm advection, north of a warm front in Tennessee, caused snow to develop across southern counties toward sunset. Temperatures in the lowlands were mostly in the lower 20s during the snow.

The snow reached the central mountains, including Pocahontas County, by 2000E on the 14th.

An enhanced west to east band of snow fell during the evening along the Interstate 64 corridor before sinking south into the southern coal fields after 2200E.

While the snow ended in the Huntington to Charleston corridor, lighter snow lingered into the morning of the 15th for extreme southern West Virginia. The snow then changed to rain and freezing rain in the extreme south by late morning. Eastern portions of Fayette and Raleigh Counties had a period of freezing rain. The airport at Beckley had a tenth of an inch of ice from freezing rain by 1300E on the 15th. Another tenth of an inch of ice accretion was measured at the airport by 1900E.

Meanwhile, the snow continued to fall in Pocahontas County during the daylight hours of the 15th, as the southeast low level flow kept colder temperatures along the eastern slopes.

Total snow accumulations of 4 to 6 inches were common in the southern lowlands and southern mountains in less than 12 hours. Snow accumulations of 8 inches were more common across Pocahontas County by late afternoon on the 15th.

Further north in West Virginia, snow accumulations were less. Accumulations of 2 to 4 inches were common in Mason, Jackson, and Roane Counties. Clay and Nicholas Counties averaged 3 to 5 inches. Accumulations diminished to an inch or less toward the Route 50 corridor.

The snow finally mixed with freezing rain and sleet in Pocahontas County during the late afternoon and evening of the 15th, while the precipitation coverage decreased and shifted back west. County officials observed a quarter inch of ice. Temperatures finally inched above freezing during the late night hours in Pocahontas County.

A strong low pressure wave lifted north, from the Tennessee River Valley, during the afternoon of the 15th. This increased the rain over the western lowlands during the late afternoon and evening. As the strengthening wave passed through West Virginia, the rain continued overnight, with the main focus in the western counties near the Ohio River.

Rain amounts of 1.25 to 1.75 inches were common in less than 24 hours, ending at dawn on the 16th. The airport near Huntington had one of the higher amounts at 1.92 inches. The rain and the snow melt combined to cause strong rises on streams. However, most waterways remained in their banks. Middle Island Creek did experience some minor flooding on the 16th. That minor flooding lingered into the 17th.

Kanawha County

1 S Quincy

24	1240EST						5.00K	0.00K	Thunderstorm Wind (30EG)
A large pine tree fell and slightly damaged 2 homes. The trunk of the tree was partially rotten.									

Note: The estimated wind gust of 30 knots is equivalent to 35 mph.

WVZ031

Harrison

24	1445EST						5.0K	0.00K	High Wind
	1545EST				0	0			

WVZ037-046>047

Nicholas - Pocahontas - Randolph - Webster

25	0700EST								
26	1200EST				0	0	0.00K	0.00K	Winter Weather

Storm Data and Unusual Weather Phenomena

February 2016

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

As a strong low pressure system was lifting north through Ohio, gusty showers raced northeast through West Virginia during the daylight hours on the 24th. Temperatures reached near 70 degrees in the Clarksburg vicinity before one batch of showers moved through. A few embedded thunderstorms were noted a few hours earlier in the Charleston vicinity, where a tree fell near Chelyan. Further north though, no thunderstorms were noted around Clarksburg. Most wind gusts were in the 30 to 45 mph range. However, a stronger gust was measured at the Clarksburg airport. In the wake of the storm, wind blown snow showers were common on the 25th into the 26th. The 24 hour snow accumulations of 3 to 6 inches were common in the central mountain counties, including the upper Greenbrier Valley in Pocahontas County. Snowshoe reported a 7 inch accumulation.

WISCONSIN, Northeast

WIZ005-019>022-030>031-035>040-045-048>050-073>074

Brown - Calumet - Door - Kewaunee - Langlade - Manitowoc - Marathon - Menominee - Northern Oconto - Outagamie - Portage - Shawano - Southern Marinette - Southern Oconto - Vilas - Waupaca - Waushara - Winnebago - Wood

02	1200CST				0	0	0.00K	0.00K	Winter Storm
03									

A winter storm impacted most of the area during the afternoon and evening hours of February 2nd as a strong low pressure system moved from the central Plains to northern Lower Michigan, then continued northeast to western Quebec. Five to eight inches of snow fell in about 6 hours during the afternoon of the 2nd. Blustery east and northeast winds gusted to around 35 mph as the storm system passed to the south. The wet, heavy snow was accompanied by lightning and thunder in Manitowoc County and Calumet County. Some freezing rain and mixed precipitation also fell across parts of central and east central Wisconsin. The highest snowfall totals from the storm included 7.6 inches southwest of Big Falls (Waupaca Co.), 7.5 inches in the Wautoma area (Waushara Co.) and near Suring (Oconto Co.), 7.2 inches near Wisconsin Rapids (Wood Co.) and near Pulcifer (Shawano Co.), and 7.0 inches near Plover (Portage Co.). An additional 1 to 3 inches of snow fell across the Fox Valley and lakeshore counties on the 3rd as an upper level disturbance moved across the state. Snow moved into Vilas County on the afternoon of the 2nd, and continued through the morning of the 3rd due to lake effect snow showers behind the departing surface low pressure system. Highest snowfall totals in Vilas County included 7.8 inches at Lac du Flambeau, and 7.0 inches at Rest Lake and near Manitowish Waters. New daily snowfall records were set for February 2nd at Appleton (Outagamie Co.), Stevens Point (Portage Co.), and Sturgeon Bay (Door Co.), each breaking their previous record by at least an inch.

WISCONSIN, Northwest

WIZ002>004-006>009

Ashland - Bayfield - Burnett - Iron - Price - Sawyer - Washburn

02	1300CST								
03	2300CST				0	0			Heavy Snow

An area of low pressure moved across Iowa and southern Wisconsin. After the low moved east of the area the snow transitioned to lake effect snow. There was a band of about 6 to 10 inches of the low-induced snow that fell from the Twin Cities to the Rice Lake, Hayward, and Hurley areas. Additional lake enhancement and post-storm lake effect snow showers resulted in total snowfall in excess of one foot across northern Iron County. Specific snowfall totals across northwest Wisconsin included 16.6 in Gile and 11.0 near Saxon (both in Iron County), 12.0 near Butternut and 8.7 in Ashland (both in Ashland County), 10.0 several miles south of Butternut and 8.0 in Park Falls (both in Price County), 9.0 near Sarona and 8.0 in Springbrook (both in Washburn County), 8.0 in Stone Lake (Sawyer County), and 7.0 in Siren (Burnett County).

WIZ004

Iron

07	1300CST								
10	2100CST				0	0			Lake-Effect Snow

Three days of lake effect snow caused high snowfall totals to parts of Iron County. Gile, WI had nearly 30 of snowfall, a foot of which fell overnight on the 8th. Hurley and Upson had about 17.

Storm Data and Unusual Weather Phenomena

February 2016

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

WIZ062

Iowa

02	0900CST 2000CST				0	0	0.00K	0.00K	Winter Weather
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WIZ056-057

Columbia - Sauk

02	1000CST 1500CST				0	0	0.00K	0.00K	Winter Storm
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WIZ058

Dodge

02	1000CST 1830CST				0	0	0.00K	0.00K	Winter Weather
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WIZ046-047

Green Lake - Marquette

02	1100CST 1500CST				0	0	0.00K	0.00K	Winter Storm
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WIZ051

Fond Du Lac

02	1100CST 1900CST				0	0	0.00K	0.00K	Winter Weather
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Strong low pressure tracked from the Central Great Plains through Southeast Wisconsin bringing several inches of snow to Sauk, Columbia, Marquette, and Green Lake Counties. Gusty east winds to 30 mph prevailed during the day.

WIZ057

Columbia

04	0700CST 1700CST				2	0	0.00K	0.00K	Cold/Wind Chill
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Hypothermia was a significant factor in the death of a woman who went missing for several days. F62OU

WIZ065-066

Milwaukee - Waukesha

08	0315CST 1230CST				0	0	0.00K	0.00K	Winter Weather
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Several inches of snow fell from Waukesha into Milwaukee County as a deep polar trough moved across the region. Snow showers aligned from west to east and moved very slowly resulting in moderate snow accumulations.

WIZ062-067>069

Dane - Green - Iowa - Lafayette - Rock

14	0920CST 2200CST				0	0	0.00K	0.00K	Winter Weather
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A trough of low pressure and the associated surge of relatively milder and moist air brought a few inches of snow to portions of South Central WI. Some vehicle slide-offs and accidents occurred.

WIZ059-064>066-068>072

Green - Jefferson - Kenosha - Milwaukee - Ozaukee - Racine - Rock - Walworth - Washington - Waukesha

19	1000CST 2000CST				0	0	555.0K	0.00K	High Wind
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Strong low pressure moved across Northern Wisconsin and swept an occluded front across Southern WI in the late morning and afternoon hours. Strong westerly wind gusts of 58 to 65 mph occurred over Southeast WI and far Southern WI. Four Semi-trucks were blown over blocking all or partial lanes on the Interstates. Scattered downed whole trees and branches were reported with some falling on power lines, homes, or parked vehicles. Power outages reached a maximum of 26,000 customers. Scattered reports of shingles and aluminum fascia torn from homes and garages were received. Other reports of minor structural damage including downed signs were received.

Storm Data and Unusual Weather Phenomena

February 2016

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

WIZ062-064>072

Green - Iowa - Jefferson - Kenosha - Lafayette - Milwaukee - Racine - Rock - Walworth - Waukesha

29	2115CST				0	0	0.00K	0.00K	Winter Weather
	2359CST								

A low pressure area brought a couple rounds of snow to Southern WI during the evening of February 29th through the afternoon of March 1st. Three to six inches of snow including some blowing and drifting snow occurred. Slide-offs and accidents were common throughout the region. Brief near-blizzard conditions were reported from the late morning into the early afternoon on March 1st when the heaviest snow affected the region.

WISCONSIN, Southwest

WIZ017-032>034-041>044-053>055-061

Adams - Buffalo - Crawford - Grant - Jackson - Juneau - La Crosse - Monroe - Richland - Taylor - Trempealeau - Vernon

02	0545CST				0	0	0.00K	0.00K	Winter Storm
03	0900CST								

Western and central Wisconsin was covered by 5 to 11 inches of snow on February 2nd. This snow fell as a winter storm tracked from Kansas into lower Michigan. A band of heavy snow developed ahead of the storm, which moved into western Wisconsin during the morning of the 2nd and produced snowfall rates up to two inches an hour. This caused roads to quickly become snow covered. The highest reported snowfall amount was 11.2 inches near Cashton (Monroe County). Blowing and drifting snow became an issue as the storm moved past with wind gusts of 25 to 35 mph. Most schools closed February 2nd in advance of the storm and many of these remained closed on the 3rd as well. In addition to the school closings, the shopping mall and colleges in the city of La Crosse (La Crosse County) also closed.

WIZ041

La Crosse

08	0200CST								
09	1300CST				2	0	0.00K	0.00K	Cold/Wind Chill

A woman passed away from exposure in early February in the city of La Crosse (La Crosse County). The woman left a drinking establishment early February 8th and her body was found the next day. Observations from the automated weather observing equipment at the La Crosse airport indicated temperatures were between 15 and 20 degrees, light snow was falling, sustained wind speeds were between 15 and 25 mph creating wind chills of 0 to 5 above while the woman was outdoors. F270U

WIZ054-061

Crawford - Grant

19	1045CST				0	0	1.0K	0.00K	Strong Wind
	1545CST								

Strong winds occurred across portions of southwest Wisconsin during the late morning and early afternoon of February 19th. A strong area of low pressure moved across the Upper Midwest with the wind occurring on the back side of the low. Gusts of 40 to 55 mph were reported with some minor tree damage occurring.

**Grant County
Burton**

19	2355CST								
20	0845CST				0	0	0.00K	0.00K	Flood

An ice jam pushed the Grant River out of its banks near Burton. The river crested a little over a foot above the flood stage at 19.12 feet.

Temperatures warmed over the last half of February and allowed the ice on area rivers to break up and dissipate. This breakup led to an ice jam forming on the Grant River causing some minor river flooding near Burton (Grant County).

WISCONSIN, West

WIZ014>016-023>028

Barron - Chippewa - Dunn - Eau Claire - Pepin - Pierce - Polk - Rusk - St. Croix

02	1030CST				0	0	0.00K	0.00K	Winter Storm
03	0300CST								

A major winter storm affected the Upper Midwest with snowfall in excess of a foot near the Twin Cities Metropolitan Area, to between 9 and 12 inches northeast across portions of west central Wisconsin during the afternoon and evening of Tuesday, February 2nd.

Storm Data and Unusual Weather Phenomena

February 2016

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

This storm system began to organize in the central Rockies Monday, February, 1st with heavy snowfall along the lee of the Rockies, and out into the Central Plains by Monday afternoon. This area of snow continued to move east-northeast across the plains, and into the Upper Midwest by Tuesday morning, February 2nd. Snow started to fall heavily along the Iowa, Minnesota border Tuesday morning before 9 AM CST, and then moved northward, and affected the southern half of the Twin Cities Metropolitan Area by noon. This snow spread across west central Wisconsin during the afternoon, with a persistent band of higher snowfall rates near Hudson, northeast to Rice Lake for several hours.

Due to a more northwest shift of this system as it moved out into the plains, and Upper Midwest, drier air was able to move into parts of west central Wisconsin, which kept snowfall totals in this area lower than expected. This area also received some freezing drizzle and sleet as warmer air aloft managed to move farther to the north.

As this system moved from southwest Iowa Tuesday evening, to southern Wisconsin by Wednesday morning, February 3rd, snowfall began to taper off after midnight. Lingering light snow ended in west central Wisconsin by noon.

Total snowfall across the area by Wednesday morning ranged from...

9 to 12 inches from Hudson, Roberts, Clear Lake, Barron and Rice Lake, to 5 to 7 inches from Durand to Eau Claire, Chippewa Falls, and Boyd.

WYOMING, Central and West

WYZ020-022-029-030

Casper Mountain - East Sweetwater County - Flaming Gorge - Natrona County Lower Elevations

01	0000MST								
02	1530MST			0	0	0.00K	0.00K		Winter Storm

An area of low pressure moved out of the Great Basin and passed across Colorado with another low developing in the lee of the Rockies. With ample Pacific moisture available, heavy snow fell across much of Sweetwater and Natrona counties. The heaviest snow fell around Casper where favorable north to northeast low-level upslope flow brought over a foot of snow to parts of the city. Nearby Casper Mountain received as much as two feet of snow. Heavy snow also fell in Sweetwater County where reports of 5 to 10 inches were common. The snow was accompanied by occasional wind gusts over 40 mph, which reduced visibility and created treacherous road conditions. This combination of snow and wind led to the closure of Interstate 80.

WYZ003

Cody Foothills

04	0400MST								
	1045MST			0	0	0.00K	0.00K		High Wind

A strong pressure gradient over the Yellowstone Plateau of northwest Wyoming generated gap flow out of the east slopes of the Absaroka Range. This flow produced high wind in a favored cross-wind area south of Clark along State Highway 120. West wind gusted in excess of 58 mph for several hours with a peak of 65 mph around 0515MST.

WYZ012

Teton & Gros Ventre Mountains

04	1255MST			0	1	0.00K	0.00K		Avalanche
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A one-foot-deep, 40-foot-wide avalanche occurred on Disappointment Peak in Grand Teton National Park and carried a skier 1,200 feet down the Spoon Couloir. Two companions were able to ski to the injured skier who was buried except for his head and an arm. First aid was given and national park rangers made a helicopter rescue.

WYZ003-019-020

Cody Foothills - Green Mountains & Rattlesnake Range - Natrona County Lower Elevations

06	0000MST								
	1510MST			0	0	0.00K	0.00K		High Wind

High pressure building southwest of Wyoming coupled with a developing trough over the eastern plains of Wyoming to produce strong southwest wind gusts across central sections of the state. Wind gusts in excess of 58 mph were common on the downslope side of Casper Mountain along Wyoming Boulevard. The peak gust at a sensor on the south side of Casper was 70 mph. Mid- and upper-level winds also favored strong downsloping wind and mountain wave activity along the Cody foothills in northwest Wyoming. Wind gusts were as high as 79 mph west of Clark, with other gusts between 60 and 66 mph from Cody north along State Highway 120.

13	0535MST								
	0550MST			0	0	0.00K	0.00K		High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

**WYZ003-006-010>
011-016-018>020** **Cody Foothills - Green Mountains & Rattlesnake Range - Lander Foothills - Natrona County Lower Elevations - North Big Horn Basin - Northeast Johnson County - Southeast Big Horn Basin - Southeast Johnson County - Upper Wind River Basin**

13	1235MST								
	1546MST			0	0	4.0K	0.00K		High Wind

A strong cold front swept south across Wyoming during the afternoon of Saturday, February 13. Ahead of this front, strong mid-level winds worked their way to the surface in the lee of the Absaroka Range west of Clark. This produced a pre-dawn 81 mph gust near Clark. The combination of the mid-level winds and a tightening surface pressure gradient ahead of the front brought high winds to portions of central and northern Wyoming. Peak gusts generally occurred with the abrupt wind shift to the northwest and favored areas prone to northwest wind. The airports at Buffalo and Dubois both registered 70 mph gusts and several other locations recorded peak gusts around 60 mph.

WYZ016-019-030 **East Sweetwater County - Green Mountains & Rattlesnake Range - Upper Wind River Basin**

15	0815MST								
	1444MST			0	0	0.00K	0.00K		High Wind

A quick-moving clipper system in northwest flow enhanced mid-level winds which mixed to the surface during the day. These winds, along with an increased pressure gradient, produced isolated pockets of high wind east of the Continental Divide. Peak gusts between 59 and 68 mph were registered at Dubois, Crowheart, and Camp Creek RAWS in Fremont County, and at Snow Springs RAWS in Sweetwater County.

WYZ003 **Cody Foothills**

16	1056MST								
	1830MST			0	0	0.00K	0.00K		High Wind

Favorable mountaintop conditions and northwest flow aloft combined to produce a mountain wave near Clark. The wind came from chaotic directions with speeds varying wildly over the course of several hours. The strongest gust was 87 mph near the foothills west of Clark. Another sensor along State Highway 120 south of Clark recorded a 65 mph gust.

WYZ019-020 **Green Mountains & Rattlesnake Range - Natrona County Lower Elevations**

18	0110MST								
19	1946MST			0	0	20.0K	0.00K		High Wind

WYZ012 **Teton & Gros Ventre Mountains**

18	0500MST								
19	0400MST			0	0	0.00K	0.00K		Winter Storm

**WYZ002-005-009>
011-015-018-026-
028-030** **Absaroka Mountains - Bighorn Mountains Southeast - Cody Foothills - East Sweetwater County - Lander Foothills - Northeast Johnson County - Rock Springs & Green River - Southeast Johnson County - Southwest Big Horn Basin - Upper Green River Basin - Wind River Mountains East**

18	0515MST								
	0047MST			0	0	250.0K	0.00K		High Wind

WYZ003 **Cody Foothills**

19	1517MST								
	2148MST			0	0	5.0K	0.00K		High Wind

Storm Data and Unusual Weather Phenomena

February 2016

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

The passage of a potent Pacific cold front in concert with a favorable jet stream position, strong mid-level winds, and a tightening pressure gradient led to widespread high wind east of the Continental Divide. Some foothill locations experienced the strong wind over an extended period spreading across two days. The strongest winds were in the wind prone areas near Clark where a wind gust of 103 mph was recorded on Thursday, February 18. In northern Johnson County, damage was reported in and around the town of Buffalo where wind gusts of 71 to 81 mph were recorded. The damage consisted of three downed light poles, roof damage of varying degrees, and trees toppled. A semitruck was overturned by high winds along Outer Drive on the south side of Casper around 0745MST on Friday. Strong wind on the west side of Cody blew down at least one billboard later that afternoon. Wind gusts near or above hurricane force were also recorded outside of Casper and in the Absaroka Range. The strong westerly flow also brought heavy snow to the Tetons. Snowfall of 15 inches was reported at Jackson Hole Mountain Resort.

WYZ012

Teton & Gros Ventre Mountains

21	1602MST				2	0	0.00K	0.00K	Avalanche
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A 30-year-old male was killed when a cornice he snowshoed onto broke loose in an out-of-bounds area near Grand Targhee Resort. He fell onto a cliff below, triggering a two-foot-deep avalanche that carried him over the cliff. The man died of trauma. M300U

WYZ019-020

Green Mountains & Rattlesnake Range - Natrona County Lower Elevations

27	1046MST				0	0	0.00K	0.00K	High Wind
	1610MST								

Strong southwest flow ahead of an approaching cold front brought high winds to portions of the wind corridor in central Wyoming. The highest wind gust recorded was 79 mph at Fales Rock. An anemometer along Wyoming Boulevard on the south side of Casper recorded several gusts of 58 mph.

WYZ003

Cody Foothills

28	2021MST				0	0	0.00K	0.00K	High Wind
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Strong post-frontal west to northwest wind blew in the North Fork Valley west of Cody. An automated sensor near Buffalo Bill Reservoir registered a peak gust of 58 mph Sunday evening, February 28.

WYOMING, North Central

WYZ099

Sheridan Foothills

18	1253MST								
19	0500MST				0	0	0.00K		High Wind

Another unusually strong February Pacific front blasted across the Billings Forecast Area on February 18th and 19th. Strong pressure rises were noted behind the front. These strong pressure rises combined with steep lapse rates resulted in high wind gusts across the Sheridan Foothills.

WYZ098

Northeast Bighorn Mountains

19	1200MST				2	0	0.00K	0.00K	Avalanche
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A 39-year-old man from North Dakota was killed in an avalanche in the Big Horn National Forest. Deputies from the Sheridan County Sheriff's Office were dispatched to the Hunt Mountain Road area near U.S. Highway 14 West just after 12 pm. The man was snowmobiling when the avalanche occurred. According to the Sheridan County Coroner's Office, the avalanche knocked the man off his snowmobile and into a tree which resulted in the mans neck being fractured. The man was deceased when search and rescue arrived. M360U

WYOMING, Northeast

WYZ057-071

Northeastern Crook - Wyoming Black Hills

07	0900MST								
	1500MST				0	0	0.00K	0.00K	High Wind

Strong northwest winds developed across far northeastern Wyoming behind the passage of a clipper system. The strongest winds were across Crook County, where sustained winds of 30 to 45 mph and gusts around 60 mph were observed during the late morning and early afternoon.

Storm Data and Unusual Weather Phenomena

February 2016

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

WYZ054-058

Northern Campbell - South Campbell - Weston

13	1400MST				0	0	0.00K	0.00K	High Wind
	1700MST								

A strong cold front moved through northeastern Wyoming during the afternoon. Mild temperatures ahead of the front, combined with showers and isolated thunderstorms along the front, helped to mix strong winds aloft down to the surface as the front passed. Wind gusts around 70 mph were recorded across Campbell County with some wind gusts near 60 mph into Weston County. The stronger winds lasted one to two hours before diminishing.

WYZ054-058

Northern Campbell - South Campbell - Weston

18	1000MST				0	0	0.00K	0.00K	High Wind
	2300MST								

Gusty southwest winds developed during the day across portions of northeastern Wyoming ahead of an approaching cold front, with gusts reaching 60 mph across Campbell County during the late morning and early afternoon. The cold front crossed the area during the evening, bringing a brief period of strong northwest winds to 65 mph.

WYOMING, Southeast

WYZ101-103-106>
110-112-114>119

Central Carbon County - Central Laramie County - Central Laramie Range And Southwest Platte County - Converse County Lower Elevations - East Laramie County - East Platte County - Goshen County - Laramie Valley - North Laramie Range - North Snowy Range Foothills - Sierra Madre Range - Snowy Range - South Laramie Range - South Laramie Range Foothills

01	0000MST				0	0	0.00K	0.00K	Winter Storm
02	1200MST								

A strong low pressure system impacted the central Rockies with periods of moderate to heavy snowfall and gusty east to northeast winds of 30 to 40 mph. The combination of falling and blowing snow created poor visibilities and snow-packed roadways. Interstates 25 and 80 in southeast Wyoming were closed due to winter driving conditions. Snow totals ranged from half a foot to three feet, heaviest over the mountains.

WYZ106-110-116-117

Central Laramie Range And Southwest Platte County - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

03	1900MST				0	0	0.00K	0.00K	Blizzard
04	0700MST								

Westerly winds as high as 70 mph produced considerable blowing snow which resulted in ground blizzard conditions for the wind prone areas of southeast Wyoming. Visibilities were frequently reduced to near zero at the Interstate 80 summit and Arlington area, and Interstate 25 between Chugwater and Wheatland. These adverse conditions closed both interstate highways for several hours.

WYZ106-110-116-117

Central Laramie Range And Southwest Platte County - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

06	0050MST				0	0	0.00K	0.00K	High Wind
	2045MST								

A large surface pressure gradient and vigorous low pressure system moving across Montana and the Dakotas generated high winds through the wind corridors of southeast Wyoming. Frequent gusts of 65 to 75 mph were observed.

WYZ106

Central Laramie Range And Southwest Platte County

10	0100MST				0	0	0.00K	0.00K	High Wind
	0900MST								

A period of high sustained winds developed near Bordeaux in southeast Wyoming as a result of a tight surface pressure gradient.

13	1305MST				0	0	0.00K	0.00K	High Wind
	1755MST								

Storm Data and Unusual Weather Phenomena

February 2016

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

WYZ110-116-117

North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

13	1355MST 1845MST				0	0	0.00K	0.00K	High Wind
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WYZ106-110-116-117

Central Laramie Range And Southwest Platte County - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

14	0120MST 1100MST				0	0	0.00K	0.00K	High Wind
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A low pressure system moved across eastern Montana and tightened the surface pressure gradient across south central and southeast Wyoming, which resulted in periods of high winds.

WYZ114

Snowy Range

14	2200MST								
15	2300MST				0	0	0.00K	0.00K	Winter Weather

A few upper level disturbances, moisture and upslope flow combined to produce periods of light to moderate snowfall over the Snowy Range. West winds gusting to 40 mph generated areas of blowing snow and poor visibilities. Snow totals were estimated between 6 and 10 inches.

WYZ104-106-109>110-113-115-118>119

Central Carbon County - Central Laramie County - Central Laramie Range And Southwest Platte County - East Laramie County - East Platte County - Ferris/seminoe/shirley Mountains - Laramie Valley - North Snowy Range Foothills - Upper North Platte River Basin

15	0300MST 1955MST				0	0	0.00K	0.00K	High Wind
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Low pressure moved across northeast Wyoming and western South Dakota and generated high winds for portions of south central and southeast Wyoming.

WYZ112-114

Sierra Madre Range - Snowy Range

17	1800MST								
18	2300MST				0	0	0.00K	0.00K	Winter Storm

Periods of moderate snowfall combined with wind gusts to 70 mph created near zero visibility and considerable drifting snow through the passes of the Snowy and Sierra Madre mountains. Snow totals were estimated between 8 and 14 inches.

WYZ101>111-113-115>119

Central Carbon County - Central Laramie County - Central Laramie Range And Southwest Platte County - Converse County Lower Elevations - East Laramie County - East Platte County - Ferris/seminoe/shirley Mountains - Goshen County - Laramie Valley - Niobrara County - North Laramie Range - North Snowy Range Foothills - Shirley Basin - South Laramie Range - South Laramie Range Foothills - Southwest Carbon County - Upper North Platte River Basin

18	0210MST 0245MST				0	0	0.00K	0.00K	High Wind
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WYZ101-110-115>118

Central Laramie County - Converse County Lower Elevations - Laramie Valley - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

19	0125MST 1715MST				0	0	0.00K	0.00K	High Wind
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A prolonged period of widespread high winds developed across southeast Wyoming. There were frequent gusts of 70 to 80 mph observed.

WYZ112-114

Sierra Madre Range - Snowy Range

22	0700MST 2000MST				0	0	0.00K	0.00K	Winter Weather
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Storm Data and Unusual Weather Phenomena

February 2016

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
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WYOMING, Southeast

A upper level disturbance and cold frontal passage produced a brief period of light to moderate snowfall and gusty northerly winds to portions of southeast Wyoming. Snowfall totals ranged from three to six inches, highest over the Snowy and Sierra Madre ranges.

WYZ106

Central Laramie Range And Southwest Platte County

24	0300MST 0400MST				0	0	0.00K	0.00K	High Wind
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A brief period of strong gap winds occurred near Bordeaux in southeast Wyoming.

27	1045MST 1315MST				0	0	0.00K	0.00K	High Wind
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WYZ109-115>118

Central Carbon County - Central Laramie County - Laramie Valley - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

27	1545MST 2015MST				0	0	0.00K	0.00K	High Wind
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A fast moving upper level disturbance, cold front and tight surface pressure gradient produced strong and gusty west to northwest winds across portions of southeast Wyoming.

WYZ106-110-116-117

Central Laramie Range And Southwest Platte County - North Snowy Range Foothills - South Laramie Range - South Laramie Range Foothills

29	1125MST 1700MST				0	0	0.00K	0.00K	High Wind
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A tight surface pressure gradient produced a brief period of high winds through the wind corridors of southeast Wyoming.

GULF OF MEXICO

GMZ035-044

Gulf Of Mexico From West End Of Seven Mile Bridge To Halfmoon Shoal Out To 5 Fathoms - Hawk Channel From West End Of Seven Mile Bridge To Halfmoon Shoal Out To The Reef

07	0721EST 0733EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Showers and thunderstorms in advance of a cold front produced areas of gale-force wind gusts over and near the Lower Florida Keys during the morning hours of February 7, 2016.

GULF OF MEXICO

GMZ630

Mobile Bay

15	1609CST 1611CST				0	0	10.0K	0.00K	Waterspout
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GMZ633>635

Choctawhatchee Bay - Pensacola Bay Area Including Santa Rosa Sound - Perdido Bay Area

15	1743CST 1839CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A line of thunderstorms moved across the Marine area and produced high winds and waterspouts.

Storm Data and Unusual Weather Phenomena

February 2016

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

GMZ730-750

Apalachee Bay or Coastal Waters from Keaton Beach to Ochlockonee River FL out to 20nm - Apalachicola to Destin FL out 20nm

15	2000EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	2301EST								

A squall line swept across the area during the middle of the month producing measured gusts in excess of 34 knots along the coast.

GULF OF MEXICO

GMZ853

Englewood to Tarpon Springs FL out 20nm

16	0252EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line moved through the coastal waters during the overnight hours. One of the storms in this line produced a strong marine wind gust.

GULF OF MEXICO

GMZ750

Apalachicola to Destin FL out 20nm

16	2100EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line swept across the area during the middle of the month producing measured gusts in excess of 34 knots along the coast.

GULF OF MEXICO

GMZ532

Mississippi Sound

23	0240CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

GULF OF MEXICO

GMZ355-370

Freeport to Matagorda Ship Channel 20 to 60nm - High Island to Freeport TX out 20nm

23	0716CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	0738CST								

A late night through early morning storm system moved eastward out of south central Texas and across southeast Texas. The southern edge of the storms produced marine wind gusts as activity moved over the coastal waters.

GULF OF MEXICO

GMZ530-532-534-572

Coastal Waters From Southwest Pass Of The Mississippi River To Port Fourchon Louisiana From 20 To 60 Nm - Lake Borgne - Lake Ponchartrain and Lake Maurepas - Mississippi Sound

23	1702CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	1818CST								

A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

Storm Data and Unusual Weather Phenomena

February 2016

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

GMZ633-634

Pensacola Bay Area Including Santa Rosa Sound - Perdido Bay Area

23	1949CST 1958CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Severe storms impacted the Florida Panhandle on the evening of February 23rd. A strong tornado over Escambia County Florida moved across Escambia Bay before impacting Santa Rosa County Florida.

GULF OF MEXICO

GMZ532-550

Mississippi Sound - SW Pass of the Mississippi River to Atchafalaya River LA out 20nm

23	2000CST 2006CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

GULF OF MEXICO

GMZ634

Pensacola Bay Area Including Santa Rosa Sound

23	2011CST 2016CST				0	0	5.0K	0.00K	Waterspout
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GMZ635-675

Choctawhatchee Bay - Destin to Pensacola FL 20 to 60nm

23	2215CST 2219CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Severe storms impacted the Florida Panhandle on the evening of February 23rd. A strong tornado over Escambia County Florida moved across Escambia Bay before impacting Santa Rosa County Florida.

GULF OF MEXICO

GMZ455

Atchafalaya River to Intracoastal City LA out 20nm

23	2352CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong storms associated with a cold front moved across the coastal waters producing a high wind gust.

GULF OF MEXICO

GMZ552-570-572

Coastal Waters From Southwest Pass Of The Mississippi River To Port Fourchon Louisiana From 20 To 60 Nm - Coastal Waters From Southwest Pass Of The Mississippi River To Port Fourchon Louisiana Out 20 Nm - SW Pass of the Mississippi River River to Atchafalaya River LA 20 to 60nm

24	0230CST 0515CST				0	0	0.00K	0.00K	Marine High Wind
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A strong cold front moved through the lower Mississippi Valley. Ahead of the front, widespread severe weather moved through Southeast Louisiana and Southern Mississippi during the morning and afternoon hours of February 23rd. A total of 13 tornadoes occurred in Southeast Louisiana and Southern Mississippi, 3 of which were classified as strong.

Storm Data and Unusual Weather Phenomena

February 2016

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

GMZ853-856

Bonita Beach to Englewood FL out 20nm - Englewood to Tarpon Springs FL out 20nm

24	0810EST 1417EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong area of low pressure pushing through the Deep South helped guide a cold front through the region on the 24th. The front spawned numerous strong thunderstorms over the waters.

GULF OF MEXICO

GMZ034

Gulf Of Mexico Including Dry Tortugas And Rebecca Shoal Channel

24	1643EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall produced gale force wind gusts near Dry Tortugas National Park.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ555

Cocoa Beach to Jupiter Inlet FL out 20nm

05	0030EST 2000EST				0	2	0.00K	0.00K	Marine Strong Wind
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Strong winds developed behind a cold front, resulting in choppy conditions on the Indian River in Brevard County. A houseboat in Melbourne was battered against a sea wall, causing injuries to two occupants.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ452

Fernandina Beach to St. Augustine FL out 20nm

08	1715EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong thunderstorm over the marine waters produced gusts over 42 mph. Storms were initiated along a cold front that slowly pushed southward over the NE Florida through the day.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ552

Volusia-Brevard County Line to Sebastian Inlet 0 to 20nm

14	0000EST 1200EST				2	0	0.00K	0.00K	Marine Strong Wind
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Although light north winds prevailed near-shore when a lone mariner departed Port Canaveral during the early morning hours, northeast winds likely became 12-16 knots just offshore, with peak winds near 20 knots, resulting in choppy 4-5 foot seas. The empty boat was found late at night at Indian Harbour Beach, about 20 miles south of Port Canaveral. The search for the missing boater was suspended after several days and the occupant was presumed drowned. M38BO

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ350-352-370

Edisto Beach SC to Savannah GA out 20nm - South Santee River SC to Savannah GA 20 to 40nm - South Santee River to Edisto Beach SC out 20nm

16	0248EST 0355EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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An eastward moving QLCS produced strong winds over the Georgia coastal waters as it encountered a high shear/low CAPE environment within the warm sector of a surface low shifting through northern Georgia and the upstate of South Carolina.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ552

Volusia-Brevard County Line to Sebastian Inlet 0 to 20nm

16	0400EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line out ahead of a developing cold front over the Gulf of Mexico intensified as it approached and pushed offshore east central Florida. Numerous strong wind gusts were recorded along the Space and Treasure Coasts.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ330-350

Charleston Harbor - South Santee River to Edisto Beach SC out 20nm

16	0401EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	0416EST								

An eastward moving QLCS produced strong winds over the Georgia coastal waters as it encountered a high shear/low CAPE environment within the warm sector of a surface low shifting through northern Georgia and the upstate of South Carolina.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ552

Volusia-Brevard County Line to Sebastian Inlet 0 to 20nm

16	0420EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line out ahead of a developing cold front over the Gulf of Mexico intensified as it approached and pushed offshore east central Florida. Numerous strong wind gusts were recorded along the Space and Treasure Coasts.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ370

South Santee River SC to Savannah GA 20 to 40nm

16	0455EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	0456EST								

An eastward moving QLCS produced strong winds over the Georgia coastal waters as it encountered a high shear/low CAPE environment within the warm sector of a surface low shifting through northern Georgia and the upstate of South Carolina.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ552

Volusia-Brevard County Line to Sebastian Inlet 0 to 20nm

16	0500EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line out ahead of a developing cold front over the Gulf of Mexico intensified as it approached and pushed offshore east central Florida. Numerous strong wind gusts were recorded along the Space and Treasure Coasts.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ610

Lake Okeechobee

16	0515EST				0	0			Marine Thunderstorm Wind
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A strong squall line intensified well ahead of a cold front over the eastern Gulf of Mexico during the early morning hours of February 16th. The line produced strong wind gusts over Lake Okeechobee and along the Atlantic coast as it moved eastwards.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ552-555

Cocoa Beach to Jupiter Inlet FL out 20nm - Volusia-Brevard County Line to Sebastian Inlet 0 to 20nm

16	0527EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	0554EST								

A squall line out ahead of a developing cold front over the Gulf of Mexico intensified as it approached and pushed offshore east central Florida. Numerous strong wind gusts were recorded along the Space and Treasure Coasts.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ650-651

Deerfield Beach to Ocean Reef FL - Jupiter Inlet to Deerfield Beach FL out 20nm

16	0642EST				0	0			Marine Thunderstorm Wind
	0732EST								

A strong squall line intensified well ahead of a cold front over the eastern Gulf of Mexico during the early morning hours of February 16th. The line produced strong wind gusts over Lake Okeechobee and along the Atlantic coast as it moved eastwards.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ130-135-158

Albemarle Sound - Cape Lookout to Surf City NC out 20nm - Pamlico Sound

16	0843EST				0	0			Marine Thunderstorm Wind
	1006EST								

A small low pressure area and associated thunderstorms moved across the coastal waters during the morning of Feb 16th producing winds from 50-70 knots across the marine area.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ452

Fernandina Beach to St. Augustine FL out 20nm

24	0840EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A warm front was located north of the Altamaha River with the entire forecast area within the warm sector of the approaching cold front. The marginally unstable airmass combined with forcing from the approaching surface front and a potent upper level low over the Tennessee River Valley drove a couple waves of severe storms across the area, one during the early morning hours with pre-squall line storms, then additional development in the afternoon over the coastal waters.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ370

South Santee River SC to Savannah GA 20 to 40nm

24	1111EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	1112EST								

A strong low level jet along with an eastward advancing cold front helped produce showers and thunderstorms capable of strong winds.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ555

Cocoa Beach to Jupiter Inlet FL out 20nm

24	1250EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong squall line moved quickly across the central/south Florida peninsula to the intracoastal and Atlantic waters. Several locations near the coast reported strong winds, which continued east to the adjacent waters.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ152

Oregon Inlet to Cape Hatteras NC out 20nm

24	2300EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	2315EST								

Strong thunderstorms ahead of a cold front moved across the area producing 50 knot winds over the OBX marine area.

Storm Data and Unusual Weather Phenomena

February 2016

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Property Damage	Crops	Character of Storm
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ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ715

Coastal Waters Of Northern Usvi And Culebra Out 10 Nm

28 1715AST 0 0 0.00K 0.00K Waterspout
Easterly trade winds and favorable upper level atmospheric conditions produced waterspouts across the local waters.

ATLANTIC, North

ANZ541

Choptank River To Cambridge Md And The Little Choptank River

03 1410EST 0 0 Marine Thunderstorm Wind
A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development over land the waters.

ATLANTIC, North

ANZ430

DE Bay Waters North of East Point NJ to Slaughter Beach DE

16 1312EST 0 0 Marine Thunderstorm Wind

ANZ453

Great Egg Inlet to Cape May NJ out 20nm

16 1353EST 0 0 Marine Dense Fog

ANZ451

Manasquan Inlet to Little Egg Inlet NJ out 20nm

16 1400EST 0 0 Marine Thunderstorm Wind
A strong cold front moved west to east through New Jersey late Tuesday morning and early Tuesday afternoon. Heavy downpours associated with this front brought strong to severe wind gusts down to the surface. No lightning, and hence no thunderstorms, were associated with these strong to severe wind gusts.

ATLANTIC, North

ANZ338

New York Harbor

16 1401EST 0 0 Marine Thunderstorm Wind
An approaching cold front triggered a convective fine line that caused strong wind gusts over the waters around Long Island.

ATLANTIC, North

ANZ451

Manasquan Inlet to Little Egg Inlet NJ out 20nm

16 1420EST 0 0 Marine Dense Fog

16 1422EST 0 0 Marine Thunderstorm Wind

ANZ450

Sandy Hook to Manasquan Inlet NJ out 20nm

16 1425EST 0 0 Marine Thunderstorm Wind
A strong cold front moved west to east through New Jersey late Tuesday morning and early Tuesday afternoon. Heavy downpours associated with this front brought strong to severe wind gusts down to the surface. No lightning, and hence no thunderstorms, were associated with these strong to severe wind gusts.

ATLANTIC, North

ANZ335-338-355

Fire Island Inlet NY to Sandy Hook NJ out 20nm - Long Island Sound West of New Haven CT to Port Jefferson NY - New York Harbor

16 1425EST 0 0 Marine Thunderstorm Wind
1448EST

An approaching cold front triggered a convective fine line that caused strong wind gusts over the waters around Long Island.

Storm Data and Unusual Weather Phenomena

February 2016

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

ANZ236-250

Merrimack River MA and out 20nm to Plymouth MA and out 40nm - Narragansett Bay

16	1606EST				0	0	0.00K	0.00K	Marine High Wind
	1800EST								

Low pressure strengthened rapidly as it tracked from the Gulf Coast to upstate New York and Quebec. Strong southerly winds gusted over 50 knots on parts of the south coastal waters.

ATLANTIC, North

ANZ541>543

Choptank River To Cambridge Md And The Little Choptank River - Patuxent River To Broomes Island Md - Tangier Sound And The Inland Waters Surrounding Bloodsworth Island

24	1442EST				0	0			Marine Thunderstorm Wind
	1540EST								

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

ATLANTIC, North

ANZ632-634-636

Chesapeake Bay From Little Creek - Chesapeake Bay New Point Comfort to Cape Henry VA - York River

24	1554EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	1618EST								

Scattered thunderstorms in advance of a cold front produced gusty winds across portions of the York River.

ATLANTIC, North

ANZ532

Chesapeake Bay Sandy Point to North Beach MD

24	1633EST				0	0			Marine Thunderstorm Wind
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Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

ATLANTIC, North

ANZ631

Chesapeake Bay Windmill Point to New Point Comfort VA

24	1642EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Scattered thunderstorms in advance of a cold front produced gusty winds across portions of the Chesapeake Bay.

ATLANTIC, North

ANZ532-543

Chesapeake Bay Sandy Point to North Beach MD - Tangier Sound And The Inland Waters Surrounding Bloodsworth Island

24	1644EST				0	0			Marine Thunderstorm Wind
	1705EST								

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

Storm Data and Unusual Weather Phenomena

February 2016

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

ANZ431-455

Cape Henlopen to Fenwick Island DE out 20nm - DE Bay Waters South of East Point NJ to Slaughter Beach DE

24	1725EST				0	0			Marine Thunderstorm Wind
	1740EST								

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms and heavy rain over the coastal waters late Wednesday afternoon and evening, February 24th.

ATLANTIC, North

ANZ533-535-536

Chesapeake Bay North Beach to Drum Point MD - Tidal Potomac Indian Head to Cobb Island MD - Tidal Potomac Key Bridge to Indian Head MD

24	1740EST				0	0			Marine Thunderstorm Wind
	1940EST								

ANZ537

Tidal Potomac Cobb Island MD to Smith Point VA

24	1905EST				0	0			Waterspout
	1912EST								

ANZ533-542

Chesapeake Bay North Beach to Drum Point MD - Patuxent River To Broomes Island Md

24	1930EST				0	0			Marine Thunderstorm Wind
	1950EST								

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

ATLANTIC, North

ANZ632-636-638

Chesapeake Bay New Point Comfort to Cape Henry VA - James River From James River Bridge To Hampton Roads Bridge-Tunnel - York River

24	2032EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
	2037EST								

Scattered thunderstorms in advance of a cold front produced gusty winds across portions of the James River.

ATLANTIC, North

ANZ537

Tidal Potomac Cobb Island MD to Smith Point VA

24	2057EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

ATLANTIC, North

ANZ430

DE Bay Waters North of East Point NJ to Slaughter Beach DE

24	2130EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms and heavy rain over the coastal waters late Wednesday afternoon and evening, February 24th.

Storm Data and Unusual Weather Phenomena

February 2016

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

ANZ630-632-638

Chesapeake Bay New Point Comfort to Cape Henry VA - Chesapeake Bay Smith Point to Windmill Point VA - James River From James River Bridge To Hampton Roads Bridge-Tunnel

24	2137EST								
	2158EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind

Scattered thunderstorms in advance of a cold front produced gusty winds across portions of the James River.

ATLANTIC, North

ANZ453

Great Egg Inlet to Cape May NJ out 20nm

24	2252EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms and heavy rain over the coastal waters late Wednesday afternoon and evening, February 24th.

ATLANTIC, North

ANZ335

Long Island Sound West of New Haven CT to Port Jefferson NY

24	2255EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

A passing cold front triggered strong to severe thunderstorms across Southern Connecticut.

ATLANTIC, North

ANZ450>452

Little Egg Inlet to Great Egg Inlet NJ out 20nm - Manasquan Inlet to Little Egg Inlet NJ out 20nm - Sandy Hook to Manasquan Inlet NJ out 20nm

24	2300EST								
	2347EST				0	0			Marine Thunderstorm Wind

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms and heavy rain over the coastal waters late Wednesday afternoon and evening, February 24th.

ATLANTIC, North

ANZ335

Long Island Sound West of New Haven CT to Port Jefferson NY

25	0025EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

A passing cold front triggered strong to severe thunderstorms across Southern Connecticut.

ATLANTIC, North

ANZ451

Manasquan Inlet to Little Egg Inlet NJ out 20nm

25	0035EST				0	0			Marine Thunderstorm Wind
----	---------	--	--	--	---	---	--	--	--------------------------

A strong low pressure system moving north through the Great Lakes region, combined with its associated warm front and cold front, copious amounts of moisture, and low level jet, produced strong to severe thunderstorms and heavy rain over the coastal waters late Wednesday afternoon and evening, February 24th.

ATLANTIC, North

ANZ330-345-350

Long Island Sound East of New Haven CT to Port Jefferson NY - Montauk Point to Moriches Inlet NY out 20nm - South Shore Bays from Jones Inlet through Shinnecock Bay

25	0045EST								
	0205EST				0	0			Marine Thunderstorm Wind

A passing cold front triggered strong to severe thunderstorms across Southern Connecticut.

Storm Data and Unusual Weather Phenomena

February 2016

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

LSZ250-265>266

Grand Marais To Whitefish Point Mi - Manitou Island To Marquette Mi Beyond 5nm From Shore - Manitou Island to Marquette Mi and W of Grand Marais Mi to Us/Canadian Border beyond 5nm of shore - Munising To Grand Marais Mi

29	0800EST 1200EST				0	0	0.00K	0.00K	Marine High Wind
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A strong cold front moving across the region generated storm force winds over portions of Lake Superior on the morning of the 29th.

AMERICAN SAMOA,

ASZ002

Tutuila

07 12	1300SST				0	0	0.00K	0.00K	Excessive Heat
----------	---------	--	--	--	---	---	-------	-------	----------------

Very hot and humid weather occurred across American Samoa during the second week of February. New record high temperatures ranged from the lower to upper 90s, and heat indices were in the 112 to 118-degree range all six days near the Pago Pago International Airport. There were no medical reports on the impact of the excessive heat.

PACIFIC

GUZ001>003

Belau - Marshall Islands - Micronesia

01	0000GST				0	0			
29	2359GST				0	0			Drought

The experimental drought assessment of the U.S. Drought Monitor indicate that some locations in the Republic of Palau, Yap State, Pohnpei States, and parts of the Marshall Islands continue to be in a period of moderate to severe drought with some locations entering extreme drought levels (Drought Level 3) Increasingly dry conditions usually develop across Micronesia after the mature phase of a strong El Nino.

GUZ006

Guam

20	0600GST								
25	1500GST				0	1	0.00K	0.00K	High Surf

Long period swell and combined seas caused hazardous surf on east facing reefs of the Marianas for a few days in February.

GUZ001>003

Belau - Marshall Islands - Micronesia

01	0000GST				0	0			
29	2359GST				0	0			Drought

The experimental drought assessment of the U.S. Drought Monitor indicate that some locations in the Republic of Palau, Yap State, Pohnpei States, and parts of the Marshall Islands continue to be in a period of moderate to severe drought with some locations entering extreme drought levels (Drought Level 3) Increasingly dry conditions usually develop across Micronesia after the mature phase of a strong El Nino.

GUZ006

Guam

20	0600GST								
25	1500GST				0	1	0.00K	0.00K	High Surf

Long period swell and combined seas caused hazardous surf on east facing reefs of the Marianas for a few days in February.

Storm Data and Unusual Weather Phenomena

February 2016

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

PUERTO RICO

PRZ002

Northeast

22	1400AST				2	0	0.00K	0.00K	Rip Current
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Hazardous marine conditions affected the north and east facing coast of Puerto Rico. As a result, strong rip currents affected the north and east coasts. M?Unknown

PRZ003

Southeast

23	1400AST				2	0	0.00K	0.00K	Rip Current
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Hazardous marine conditions affected the local waters. Strong rip current were observed along the north east and southeast beaches of Puerto Rico.

Storm Data and Unusual Weather Phenomena

August 2015

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

ADDITIONS

COLORADO, West

Dolores County

1 ESE Cahone

03	1630MST				0	0	0.00K	0.00K	Funnel Cloud
	1635MST								

A primary funnel cloud with two smaller vortices spinning around it was observed by a farmer near Cahone.

A strong thunderstorm produced a funnel cloud near Cahone.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Richland County

2 E St Andrews	04	0200EST							
2 SW Eau Claire		1000EST			1	1	20.00K	0.00K	Flash Flood

One person drowned in their vehicle when it stalled in flood waters along Sunset Drive near the stream Smith Branch. The person drowned at approximately 654 am EDT. The stream gage just upstream from the fatality crested at 18.93 feet at 0607 am EDT. Flood stage is 9.0 feet. F24VE

Richland County

1 E Denny Terrace	04	0341EST							
		0841EST			1	1	800.00K	10.00K	Flash Flood

SC Highway Patrol reports Monticello Road at I-20 closed due to flooding. Male driver drowned in his vehicle on Peebles Street near Crane Creek. The victim was found at 1100 PM EDT on the 5th. M82VE

Richland County

39 NE Perry	04	0400EST							
		0845EST			1	1	100.00K	0.00K	Flash Flood

South Carolina DOT worker drowned in his work truck when it was swept off the road and overturned into Toms Creek. The worker was en route to assist another SCDOT group with a tree down across a roadway. M45VE

Richland County

1 SSW Dentsville	04	0500EST							
		0630EST			1	1	15.00K	0.00K	Flash Flood

Male driving down driver N. Trenholm Road found the next morning in Carys Lake just off Trenholm Road. M30VE

Richland County

2 SE Capitol View	04	1000EST							
		1230EST			1	1	20.00K	0.00K	Flash Flood

Heavy rainfall caused Sun View Lake to spill over Caughman Road into Mill Creek. One person drowned when their vehicle stalled in the floodwaters. M61VE

Kershaw County

3 NW Lugoff	04	2220EST							
					1	2	20.00K	0.00K	Flash Flood

Two people were swept off of Pine Grove Road by flood waters. The incident occurred along Twenty Five Mile Creek. The was barricaded. It is suspected they drove around the barricade. Their car stalled in flood waters and was swept down the creek. The male driver of the vehicle drowned. M56VE

Richland County

1 WSW (MMT)Mc Entire Ang	07	0045EST							
					2	5	100.00K	0.00K	Flash Flood

Five railroad repair workers driving along Congaree Road plunged into the water of Cabin Creek because the roadway had been washed out. Sheriff's spokesman said that the barricade was in the wrong lane. The accident occurred at 145 AM EDT on the 7th. M53VE, M58VE

Heavy rain in the Midlands...Pee Dee produced flash flooding in across the area. Numerous dams were breached along with numerous bridge and roadways flooded and damaged. M53VE, M58VE

Storm Data and Unusual Weather Phenomena

December 2015

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

ILLINOIS, Southwest

Randolph County

2 NW Griggs

28	1800CST								
31	2359CST				0	0	0.00K	0.00K	Flood

Between 4 and 6 inches of rain fell across the Kaskaskia River basin during a 2 day period. All of this rain caused the river to rise to major flood. About a dozen homes and businesses in Evansville were either damaged or destroyed by the flood waters.

A prolonged period of rainfall occurred from the early morning hours of December 26th to the evening of December 28th. The heaviest rainfall occurred in a 50 to 75 mile wide swath from southwest Missouri through the Greater St. Louis Metropolitan Area and into central Illinois. Three day rainfall totals within this swath ranged from 6 to 12 inches, with lighter amounts extending both northwest and southeast to the state border. Some of the precipitation fell as a wintry mix of freezing rain, sleet and snow across northwest portions of the state. All of this rain caused historic river flooding for the many rivers throughout the region. This resulted in floods of record on the Bourbeuse River at Union, the Meramec River at Pacific, Eureka, Valley Park, and Arnold, and major flooding on the Missouri River (at Gasconade and Hermann), the Mississippi River at Winfield Lock and Dam and points downstream, the Cuivre River at Old Monroe, Dardenne Creek, the Gasconade River, the Moreau River, the Illinois River, and the Kaskaskia River at Vandalia. The only location not reporting flooding after this event was the Salt River near New London, where the Clarence Cannon Dam regulates the flow. All other forecast points reported at least minor flooding. Seven flooding deaths were reported in our area due to the heavy rains. Approximately 1500 structures were either damaged or destroyed by the flood waters in the forecast area. At this time dollar amount damages are expected to top \$1 billion dollars.

MISSOURI, East

Osage County

4 NNW Meta

27	0100CST				0	0	0.00K	0.00K	Flood
29									

Between 6 and 8 inches of rain fell across Osage County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Osage, Gasconade and Missouri Rivers went into major flood. About 20 structures were either damaged or destroyed from the river flooding.

St. Louis County

4 WSW Allenton

4 NNW Centaur

27	0600CST								
31	2359CST				0	0	235.00M	0.00K	Flood

Between 7 and 10 inches of rain fell across St. Louis County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Meramec River went into major flood with several points cresting at record levels. Almost 900 structures were either damaged or destroyed from the river flooding, with Eureka, Valley Park and Fenton being some of the worst hit areas in St. Louis County. One school, Eureka High School, sustained some flooding damage, mainly to the gymnasium area, which included the wood gym floors, locker rooms, wrestling room, aerobics room and a storage area. Also, two Metropolitan St. Louis Sewer District wastewater treatment plants were inundated by the flood waters from the Meramec River. Damage to the plants was estimated around \$16 million. The river flooding caused two major interstate highways to be shut down for a couple of days, I-55 just north of Arnold and I-44 in Valley Park. Total damage estimates so far were around \$235 million.

Lincoln County

1 WSW Truxton

4 N Olney

27	0700CST								
31	2359CST				0	0	240.00K	0.00K	Flood

Between 4 and 7 inches of rain fell across Lincoln County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Cuivre River went into major flood. Almost 30 structures were either damaged or destroyed from the river flooding. Damage estimates so far were around \$235,000.

Cole County

1 S Henley

6 WSW Scrivner

27	1500CST								
30	2100CST				0	0	0.00K	0.00K	Flood

Between 5 and 7 inches of rain fell across Cole County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Moreau and Missouri Rivers went into major flood. About 10 structures were either damaged or destroyed from the river flooding.

St. Charles County

5 WSW Augusta

4 SE Harvester

27	1800CST								
31	2359CST				0	0	2.30M	0.00K	Flood

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

Between 7 and 11 inches of rain fell across St. Charles County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Missouri and Mississippi Rivers went into major flood as well as Dardenne Creek. Almost 300 structures were either damaged or destroyed from the river flooding, with St. Peters and St. Charles being the worst hit areas in St. Charles County. Damage estimates so far were around \$2.3 million.

Jefferson County

1 S Wickes

28 0200CST

2 NNE Ten Brook

31 2359CST 0 0 2.20M 0.00K Flood

Between 5 and 8 inches of rain fell across Jefferson County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Meramec River and Big River went into major flood with several points cresting at record levels. Forty four homes were destroyed, 975 buildings had major damage and 308 buildings had minor damage from the river flooding, with Arnold being the worst hit in Jefferson County. Also, the High Ridge District 2 water treatment plant was inundated by the flood waters on December 30th, cutting off water supply to at least 20,000 residents. Damage estimates so far were around \$2.2 million.

A prolonged period of rainfall occurred from the early morning hours of December 26th to the evening of December 28th. The heaviest rainfall occurred in a 50 to 75 mile wide swath from southwest Missouri through the Greater St. Louis Metropolitan Area and into central Illinois. Three day rainfall totals within this swath ranged from 6 to 12 inches, with lighter amounts extending both northwest and southeast to the state border. Some of the precipitation fell as a wintry mix of freezing rain, sleet and snow across northwest portions of the state. All of this rain caused historic river flooding for the many rivers throughout the region. This resulted in floods of record on the Bourbeuse River at Union, the Meramec River at Pacific, Eureka, Valley Park, and Arnold, and major flooding on the Missouri River (at Gasconade and Hermann), the Mississippi River at Winfield Lock and Dam and points downstream, the Cuivre River at Old Monroe, Dardenne Creek, the Gasconade River, the Moreau River, the Illinois River, and the Kaskaskia River at Vandalia. The only location not reporting flooding after this event was the Salt River near New London, where the Clarence Cannon Dam regulates the flow. All other forecast points reported at least minor flooding. Seven flooding deaths were reported in our area due to the heavy rains. Approximately 1500 structures were either damaged or destroyed by the flood waters in the forecast area. At this time dollar amount damages are expected to top \$1 billion dollars.

Storm Data and Unusual Weather Phenomena

January 2016

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

COLORADO, West

COZ001

Lower Yampa River Basin

24	0700MST								
25	1800MST				0	0	0.00K	0.00K	Winter Weather

COZ018

Northwestern San Juan Mountains

24	0800MST								
25	2200MST				0	0	0.00K	0.00K	Winter Storm

COZ002-013-019

Central Yampa River Basin - Flattop Mountains - Southwestern San Juan Mountains - Upper Gunnison River Valley

24	0800MST								
25	1400MST				0	0	0.00K	0.00K	Winter Weather

COZ009

Grand And Battlement Mesas

24	1000MST								
25	2000MST				0	0	0.00K	0.00K	Heavy Snow

COZ004-010-012

Elkhead And Park Mountains - Gore And Elk Mountains/central Mountain Valleys - Upper Yampa River Basin - West Elk And Sawatch Mountains

24	1100MST								
25	1400MST				0	0	0.00K	0.00K	Winter Weather

A moist Pacific trough produced significant to heavy snow in the mountains and some northwest Colorado valleys.

COZ018-022

Animas River Basin - Northwestern San Juan Mountains - Southwestern San Juan Mountains

30	1800MST								
31	2359MST				0	0	0.00K	0.00K	Winter Storm

COZ011

Central Gunnison And Uncompahgre River Basin

30	2130MST								
31	2359MST				0	0	0.00K	0.00K	Heavy Snow

COZ023

San Juan River Basin

30	2130MST								
31	2359MST				0	0	0.00K	0.00K	Winter Storm

COZ020

Paradox Valley/lower Dolores River Basin

30	2200MST								
31	2359MST				0	0	0.00K	0.00K	Heavy Snow

COZ017-021

Four Corners/upper Dolores River Basin - Uncompahgre Plateau And Dallas Divide

31	0000MST								
	2359MST				0	0	0.00K	0.00K	Winter Storm

Storm Data and Unusual Weather Phenomena

January 2016

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

COLORADO, West

COZ014

Upper Gunnison River Valley

31	0430MST 2359MST				0	0	0.00K	0.00K	Heavy Snow
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COZ009-012

Gore And Elk Mountains/central Mountain Valleys - Grand And Battlement Mesas - West Elk And Sawatch Mountains

31	0800MST 2359MST				0	0	0.00K	0.00K	Winter Storm
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COZ004-013

Elkhead And Park Mountains - Flattop Mountains

31	1100MST 2359MST				0	0	0.00K	0.00K	Winter Weather
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COZ003

Roan And Tavaputs Plateaus

31	1200MST 2359MST				0	0	0.00K	0.00K	Winter Storm
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COZ006

Grand Valley

31	1300MST 2359MST				0	0	0.00K	0.00K	Heavy Snow
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COZ007

Debeque To Silt Corridor

31	1400MST 2359MST				0	0	0.00K	0.00K	Winter Storm
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COZ001-005

Central Yampa River Basin - Lower Yampa River Basin - Upper Yampa River Basin

31	1730MST 2359MST				0	0	0.00K	0.00K	Winter Weather
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A moist Pacific low pressure system produced a prolonged period of heavy snowfall across much of western Colorado with areas of blowing snow.

ILLINOIS, Southwest

Randolph County

2 NW Griggs

01	0000CST				0	0	0.00K	0.00K	Flood
04	1200CST								

Major flooding persisted through the first week of January 2016 in the Kaskaskia River basin due to record rainfall in late December 2015.

After a record rainfall event during the last week of December, rivers across the region remained in moderate to major flood through the first week of January.

MISSOURI, East

Franklin County

2 WNW Berger

4 WSW Japan

01	0000CST 1000CST				0	0	0.00K	0.00K	Flood
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Bourbeuse, Meramec and Missouri Rivers remained in moderate to major flood levels through the early hours of January 1. The flooding was a result of record rainfall during the last week of December.

Storm Data and Unusual Weather Phenomena

January 2016

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

MISSOURI, East

Gasconade County

2 SW Mt Sterling
2 NNW Morrison

01	0000CST								
	2100CST				0	0	0.00K	0.00K	Flood

Gasconade and Missouri Rivers remained in moderate to major flood levels through the evening hours of January 1st. The flooding was due to record rainfall during the last week of December.

Jefferson County

1 S Wickes
2 NNE Ten Brook

01	0000CST								
03	2300CST				0	0	0.00K	0.00K	Flood

Meramec and Big Rivers remained in moderate to major flood through the first 3 days of the new year after record levels in late December. The flooding was a result of record rainfall during the last week of December.

Lincoln County

1 WSW Truxton
4 N Olney

01	0000CST								
03	0500CST				0	0	0.00K	0.00K	Flood

Cuivre and Mississippi Rivers remained in moderate to major flood through the early morning hours of January 3rd. The flooding was a result of the record rainfall in late December.

St. Charles County

5 WSW Augusta
4 SE Harvester

01	0000CST								
02	1200CST				0	0	0.00K	0.00K	Flood

Missouri River remained at moderate flood stage through midday on January 2nd. The flooding was a result of record rainfall in late December.

St. Louis County

4 WSW Allenton
4 NNW Centaur

01	0000CST								
03	1300CST				0	0	0.00K	0.00K	Flood

Meramec, Missouri and Mississippi Rivers remained in moderate to major flood through the afternoon hours of January 3rd. The flooding was due to the record rainfall in late December.

After a record rainfall event during the last week of December, rivers across the region remained in moderate to major flood through the first week of January.

NEW JERSEY, Northeast

NJZ006-106>108

Eastern Essex - Eastern Union - Hudson - Western Union

22	2300EST				0	0	0.00K	0.00K	Winter Storm
23									

NJZ002-004-103>105

Eastern Bergen - Eastern Passaic - Western Bergen - Western Essex - Western Passaic

23	0000EST				1	0	0.00K	0.00K	Winter Storm
	2000EST								

NJZ006-105>108

Eastern Essex - Eastern Union - Hudson - Western Essex - Western Union

23	0600EST				0	0	0.00K	0.00K	Blizzard
	1500EST								

Low pressure moving across the deep South on Thursday January 21st and Friday January 22nd intensified and moved off the Mid Atlantic coast on Saturday January 23rd, bringing heavy snow and strong winds to northeast New Jersey, and blizzard conditions to the urban corridor and some nearby areas.

Governor Chris Christie declared a state of emergency for New Jersey on Friday January 22nd. New Jersey Transit stopped running trains, buses and light rail at 2 AM Saturday January 23rd. Bridges and tunnels from New York City into New Jersey were shut down by mid-afternoon Saturday.

Storm Data and Unusual Weather Phenomena

January 2016

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

NEW JERSEY, Northeast

Travel in and out of airports lagged through Monday January 25th as airlines pre-emptively cut hundreds of flights. More than 1,000 flights out of area airports were cancelled, and Teterboro Airport were shuttered due to whiteout conditions.

NEW YORK, Coastal

NYZ071

Southern Westchester

17	1600EST								
18	0900EST				0	0	0.00K	0.00K	Winter Weather

Rapidly dropping temperatures and brisk winds after a cold frontal passage froze over surfaces wet from snow flurries, creating an icy sheen on streets and sidewalks.

NYZ069-072-074-176-178

Kings (brooklyn) - New York (manhattan) - Northern Queens - Richmond (staten Island) - Rockland - Southern Queens

22	2230EST				0	0	0.00K	0.00K	Winter Storm
23									

NYZ070-073-078>081-177-179

Bronx - Northeast Suffolk - Northern Nassau - Northern Westchester - Northwest Suffolk - Southeast Suffolk - Southern Nassau - Southern Westchester - Southwest Suffolk

23	0000EST				1	0	0.00K	0.00K	Winter Storm
	2130EST								

NYZ072>075-078>081-176>179

Bronx - Kings (brooklyn) - New York (manhattan) - Northeast Suffolk - Northern Nassau - Northern Queens - Northwest Suffolk - Richmond (staten Island) - Southeast Suffolk - Southern Nassau - Southern Queens - Southwest Suffolk

23	0600EST				0	0	0.00K	0.00K	Blizzard
	1700EST								

NYZ068

Putnam

23	0830EST								
24	2000EST				0	0	0.00K	0.00K	Winter Storm

NYZ071

Southern Westchester

23	0900EST				0	0	0.00K	0.00K	Blizzard
	1500EST								

NYZ067

Orange

23	1045EST								
24	2000EST				0	0	0.00K	0.00K	Winter Storm

Low pressure moving across the deep South on Thursday January 21st and Friday January 22nd intensified and moved off the Mid Atlantic coast on Saturday January 23rd, bringing heavy snow and strong winds to southeast New York, and blizzard conditions to Long Island, New York City, and nearby southern Westchester County.

NY Gov. Cuomo declared a state of emergency early Saturday January 23rd. Metro North and Long Island Railroad service halted at 4 PM Saturday.

In New York City, the blizzard contributed to more than 400 car crashes, and streets were closed to all but emergency vehicles from mid-afternoon Saturday January 23rd until 7 AM Sunday January 24th. Much of the city's mass transit was shut down, along with bridges and tunnels across the city and to/from New Jersey. The Port Authority Bus Terminal, the busy Midtown NYC transportation hub, closed its doors at 4 PM Saturday. Broadway shows announced all Saturday performances were canceled.

Travel in and out of New York City airports lagged through Monday January 25th as airlines pre-emptively cut hundreds of flights. All arrivals and departures were eventually canceled due to severe winter weather conditions at LaGuardia airport, with Kennedy at a virtual standstill as well. More than 1,000 flights out of New York City-area airports were cancelled, including 90% of flights from LaGuardia.

Storm Data and Unusual Weather Phenomena

January 2016

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

ADDITIONS

UTAH, East

UTZ024

Eastern Uinta Basin

24	0000MST				0	0	0.00K	0.00K	Winter Weather
	1400MST								

A moist Pacific trough produced significant snowfall in portions of northeast Utah.

UTZ028

La Sal & Abajo Mountains

30	1900MST								
31	2359MST				0	0	0.00K	0.00K	Winter Storm

UTZ022-025-027-029

Canyonlands/natural Bridges - Grand Flat And Arches - Southeast Utah - Tavaputs Plateau

31	0200MST								
	2359MST				0	0	0.00K	0.00K	Winter Storm

UTZ023-024

Eastern Uinta Basin - Eastern Uinta Mountains

31	2100MST								
	2359MST				0	0	0.00K	0.00K	Winter Weather

A moist Pacific low pressure system produced heavy snowfall with areas of blowing snow across much of eastern Utah.

Storm Data and Unusual Weather Phenomena

August 2015

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

CORRECTIONS

COLORADO, West

Gunnison County 6 ENE Ragged Mtn

27	2130MST 2300MST				0	0	0.00K	0.00K	Heavy Rain
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Heavy rainfall from a band of showers in a northwest flow produced a significant rock slide onto Highway 133 which closed McClure Pass for about five hours. Radar rainfall estimates for the day in the slide area were close to 1.5 inches, with most of that rainfall occurred with the band of showers in the evening.

Heavy rainfall initiated a significant rock slide which closed a major highway in the central Colorado mountains.

UTAH, East

Grand County 9 NW Castle Valley

30	2100MST				0	0	0.00K	0.00K	Flash Flood
31	1500MST				0	0	0.00K	0.00K	

Heavy rainfall in a catch basin north of Arches National Park on the afternoon of August 30th resulted in a flash flood which reached a section of Arches National Park later that evening and trapped many campers in the Delicate Arch Road area. Flash flood waters were still flowing 3.5 feet deep and 50 feet wide as of noon the next day, August 31st and persisted through much of the afternoon.

Heavy rainfall in a catch basin north of Arches National Park on the afternoon of August 30th resulted in a flash flood which reached a section of Arches National Park later that evening. The flash flooding persisted through midday on August 31st.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Chesterfield County

Patrick	03	0400EST							
4 E Cheraw		0530EST			0	0	0.00K	0.00K	Flash Flood

Sheriff reported several roads flooded in southeastern Chesterfield county from heavy rains.

Lexington County

2 WSW Arthur	03	0435EST							
		0500EST			0	0	5.00K	0.00K	Flood

Ponding of water on Emanuel Church Road at Foxhill Place.

Orangeburg County

Holly Hill	03	1100EST							
1 NW Eutaw Spgs		1230EST			0	0	14.00K	0.00K	Flash Flood

EM reported roads in Holly Hill covered with water, some impassible. There were also several rural roads flooded and one washout.

Orangeburg County

1 E Holly Hill	03	1130EST							
2 S Santee		1200EST			0	0	500.00K	100.00K	Flash Flood

Orangeburg County EM reports street flooding in multiple locations in Holly Hill and Santee. One road is washed out.

Clarendon County

2 E Alcolu	03	1530EST							
		1600EST			0	0	100.00K	30.00K	Flash Flood

Plowdenmill Road near I-95 and Hwy 521 closed due to impassible water covering the roadway. Reported by the Emergency Operations Center.

Clarendon County

1 E Manning	03	1530EST							
		1600EST			0	0	10.00K	1.00K	Flash Flood

North Church Street in Manning has been closed due to impassible water covering the roadway. Reported by the Emergency Operations Center.

Orangeburg County

1 S Parler	03	2321EST							
	04	0035EST			0	0	100.00K	10.00K	Flash Flood

SCHP reported road flooding with road closure at US HWY 301 and SC 267.

Orangeburg County

Eutawville	03	2327EST							
1 NW Holly Hill	04	0035EST			0	0	20.00M	10.00M	Flash Flood

In the Holly Hill and Eutawville vicinity several roads closed due to flooding. Several homes and businesses flooded and water rescues in progress. Shelters being opened for residents. Reported by Orangeburg Co. EM.

Calhoun County

1 NNE St Matthews	03	2330EST							
1 NE Creston	04	0045EST			0	0	5.00M	5.00M	Flash Flood

Several roads closed due to flooding including portions of HWY 6 between St. Matthews and Elloree.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Orangeburg County

1 NNE Elloree

04	0039EST 0045EST						500.00K	20.00K	Flash Flood
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Roadway washed out at Warrior Drive and Browing Road.

Clarendon County

3 WSW St Paul

04	0044EST								Heavy Rain
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Raws Station at Santee NWR has measured 9.81 inches of rain in the previous 24 hours with an event total so far of 11.10 inches.

Richland County

3 SSW Gadsden

04	0105EST								Heavy Rain
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Mesonet Station 6 SW Eastover, GDNS1, reported 6.70 inches of rain in the past 24 hours. Event total so far 7.36 inches.

Lexington County

3 ENE Dixiana

Kinsler

04	0110EST 0230EST						5.00M	50.00K	Flash Flood
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SC Highway Patrol reports flooding on I-77 Southbound at I-26, road closed.

Clarendon County

1 N Manning

1 WSW Summerton

04	0132EST 0315EST						8.00M	3.00M	Flash Flood
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Several streets flooded in town. Meadowfield Apartments in Summerton also experiencing flooding.

Richland County

1 NW Olympia Mills

04	0142EST 0642EST						5.00K	0.00K	Flash Flood
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Downtown Columbia Rocky Branch Creek at Whaley Street and Main Street Flooded. The creek crested at 12.28 feet. Flood Stage is 7.2 feet. The stream crested above flood stage twice during the period. This is the second highest crest since the gage was installed in 2007.

Richland County

1 NW Wateree

04	0142EST								Heavy Rain
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RCWINDS Station at Wateree measured 4.49 inches of rain since midnight with a 2 day total of 8.51 inches.

Richland County

1 NE Eastover

04	0146EST								Heavy Rain
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RCWINDS Station in Eastover measured 3.58 inches of rain since midnight with a 2 day total of 7.36 inches.

Richland County

1 NW Olympia Mills

1 SSW Columbia

04	0147EST 0250EST						300.00K	0.00K	Flash Flood
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Flash flooding downtown Columbia. Rocky Branch Creek at Whaley and Main Street over the banks and water covering the roadway.

Lexington County

1 N (CAE)Columbia Metro

04	0157EST								Heavy Rain
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Columbia Metro Airport ASOS measured 2.74 inches of rain in the past 2 hours. The event total so far is 6.77 inches.

Richland County

2 NNE Weddell

04	0250EST 0650EST						500.00K	0.00K	Flash Flood
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SC Highway Patrol reports roadway flooded at Two Notch Road and Polo Road.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Richland County
5 S Leesburg

04	0257EST 0300EST				0	0	1.00M	500.00K	Flash Flood
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SC Highway Patrol reports McCords Ferry Road Willie Kelly Road closed due to flooding.

Richland County
1 SSW Dentsville

04	0300EST				0	0	15.00K	0.00K	Flash Flood
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SC Highway Patrol reports Two Notch Road at Decker Blvd closed due to roadway flooding.

Lexington County
1 WNW Springdale

04	0305EST 0805EST				0	0	500.00K	50.00K	Flash Flood
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SC Highway Patrol reports Methodist Park Road at US 1 closed due to flooding.

Richland County
1 ESE Denny Terrace
1 NW Eau Claire

04	0309EST 0809EST				0	0	1.00M	0.00K	Flash Flood
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SC Highway Patrol reports Peeples Street at Monticello Road closed due to flooding.

Calhoun County
8 WNW Hammond Xrds

04	0313EST 0813EST				0	0	500.00K	250.00K	Flash Flood
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SC Highway Patrol reports roadway flooding on I-26 eastbound at mile marker 124.

Richland County
1 NW Woodfield

04	0315EST 0815EST				0	0	250.00K	50.00K	Flash Flood
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SC Highway Patrol reports roadway flooding on I-77 at mile marker 13.

Richland County
2 NNE Weddell

04	0326EST 0826EST				0	0	2.00M	25.00K	Flash Flood
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SC Highway Patrol reports Spring Valley Road at Two Notch Road closed due to flooding.

Richland County
5 N Eastover

04	0329EST 0829EST				0	0	500.00K	200.00K	Flash Flood
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SC Highway Patrol reports US 601 at US 378 closed due to flooding.

Lexington County
2 NW Arthur

04	0330EST 0630EST				0	0	300.00K	5.00K	Flash Flood
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NWS employee reports Laurel Road at Mineral Springs Road flooded and impassable.

Lexington County
3 E Lexington

04	0335EST 0635EST				0	0	500.00K	15.00K	Flash Flood
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NWS employee reports US 1 about 1 mile west of I-20 flooded and impassable.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Richland County
1 NNW Woodfield

04	0342EST								
	0842EST				0	0	1.00M	50.00K	Flash Flood

SC Highway Patrol reports Percival Road at I-77 closed due to flooding.

Richland County
2 ESE Ballentine

04	0342EST								
	0842EST				0	0	800.00K	0.00K	Flash Flood

SC Highway Patrol reports Chadford Road at N Royal Tower Drive closed due to flooding.

Richland County
1 ESE Myron Manor

04	0348EST								
	0748EST				0	0	5.00M	0.00K	Flash Flood

SC Highway Patrol reports Kilbourne Road at Ft.Jackson Blvd closed due to flooding.

Richland County
3 WSW Denny Terrace

04	0350EST								
	0750EST				0	0	1.00M	50.00K	Flash Flood

NWS employee reports Piney Woods Road flooded.

Lexington County
1 W Springdale

04	0406EST								
	0706EST				0	0	500.00K	50.00K	Flash Flood

SC Highway Patrol reports Westgate Drive at Wilton Road closed due to flooding.

Richland County
1 NW Weddell

04	0406EST								
	0706EST				0	0	2.00M	0.00K	Flash Flood

SC Highway Patrol reports Grampian Hills Road at Two Notch Road closed due to flooding.

Richland County
1 NW Forest Acres

04	0406EST								
	0706EST				0	0	1.00M	5.00K	Flash Flood

SC Highway Patrol reports Pine Belt Road at Carter Street closed due to flooding.

Fairfield County
2 E Salem Xrds

04	0500EST								
	0800EST				0	0	500.00K	500.00K	Flash Flood

SC Highway Patrol reports SC34 at Hopewell Church Road closed due to flooding.

Lexington County
3 NE Lexington

04	0500EST								
	0745EST				0	0	500.00K	0.00K	Flash Flood

NWS employee reports flooding at Silverstone road and Whiteford Way.

Lexington County
1 E Lexington

04	0500EST								
	0600EST				0	0	100.00K	0.00K	Flash Flood

Old Mill Pond Dam failed along Twelve Mile Creek. Damaged businesses downstream along with roadway at highway 1 and a family had to be rescued from their home.

Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Richland County Woodland Terrace

04	0500EST 1000EST				2	20	10.00M	0.00K	Flash Flood
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Widespread flooding along Gills Creek through Devine Street...Fort Jackson Blvd...Wildcat Road and Garners Ferry Road area. Numerous water rescues and buildings flooded. One building partially collapsed. The stream gage along Gills Creek was destroyed. Peak stage along Gills Creek determined by USGS from high water marks to be 19.6 feet. Flood Stage is 6.7 feet. 2 Fatalities occurred in this area. One fatality occurred at Gills Creek and Devine Street. The second fatality occurred at Kilbourne Road and Gills Creek. The roadway was flooded due to upstream dam failures and heavy rainfall. F35VE, M78VE

Clarendon County 3 ENE Alcolu

04	0506EST 0806EST				0	0	800.00K	100.00K	Flash Flood
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SC Highway Patrol reports I-95 closed at mile marker 124 due to flooding.

Lexington County (CAE)Columbia Metro

04	0522EST 0730EST				0	0	20.00K	0.00K	Flash Flood
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SC Highway Patrol reports a roadway washed out at Old Dunbar Road and Edmund Hwy.

Lexington County 1 SSE Lexington

04	0600EST 0630EST				0	0	75.00K	0.00K	Flash Flood
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Gibson Pond Park Dam Failed along Twelve Mile Creek in Lexington.

Newberry County 1 NW Pomaria

04	0700EST 0730EST				0	0	250.00K	0.00K	Flash Flood
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Highway 176 bridge across Cannons Creek damaged and partially collapsed due to flood waters.

Lexington County 1 W Irmo

04	0930EST 1230EST				0	0	3.00M	50.00K	Flash Flood
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Law enforcement rescued over 60 people from 55 homes in the Coldstream neighborhood between 7:30 AM and 10:30 AM.

Heavy rain in the Midlands...Pee Dee produced flash flooding in across the area. Numerous dams were breached along with numerous bridge and roadways flooded and damaged.

Richland County 1 NNW Olympia Mills 1 SSW Columbia

10	0725EST 0810EST				0	0	0.00K	0.00K	Flash Flood
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USGS gauge at Main and Whaley Street rose above flood stage at 8:25 AM and crested at 10.3 feet at 9 AM and fell below flood stage again at 9:10 AM.

Richland County 2 S Dentsville 2 ENE Forest Acres

10	0830EST 0845EST				0	0	100.00K	0.00K	Flash Flood
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Richland County dispatch reported Goldbranch Road and Northshore Road impassable due to water flowing over the roadway from a creek out of its banks. Barricades have been set up.

Lexington County 3 N Clubhouse Xrds Lexington

10	1650EST 1915EST				0	0	5.00M	1.00M	Flash Flood
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Storm Data and Unusual Weather Phenomena

October 2015

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

SOUTH CAROLINA, Central

Lexington County dispatch reports flooding across much of north-central Lexington County. Numerous roads flooded, with too many to name at this time. Some small dams being breached at this time.

Lexington County

**5 S Summit
4 S Gilbert**

10	1717EST				0	0	100.00K	50.00K	Flash Flood
	1915EST								

SC Highway Patrol reports road washout at Elzie Hallman Road and Pond Branch Road.

Lexington County

2 S Barr

10	1728EST				0	0	500.00K	50.00K	Flash Flood
	1915EST								

SC Highway Patrol reports roadway washed out at Nazareth Road and Lewis Pond Court.

Clarendon County

**3 N Halleytown
1 S Manning**

10	1740EST				0	0	1.00M	1.00M	Flash Flood
	2015EST								

Clarendon County dispatch and SC Highway Patrol reported roadway flooding in numerous area including HWY 261 at Sandy Ridge Rd. between Paxville and Manning and also Gibbons St in Manning.

Lexington County

1 WSW Barr

10	1756EST				0	0	100.00K	50.00K	Flash Flood
	1915EST								

SC Highway Patrol reports roadway washout at Roscoe Road and Holm Oak Road.

Lexington County

1 ESE Murray

10	1834EST				0	0	100.00K	50.00K	Flash Flood
	1915EST								

SC Highway Patrol reports roadway washout at Warner Road and Peach Festival Road near Gilbert.

Lexington County

2 NNE Gilbert

10	1839EST				0	0	100.00K	50.00K	Flash Flood
	1915EST								

SC Highway Patrol reports roadway washout at Hayes Crossing Road and Windy Road.

Clarendon County

**3 W Alcolu
2 NE Manning**

10	1845EST				0	0	500.00K	1.00M	Flash Flood
	2015EST								

Clarendon County dispatch reported I-95 has been closed again both northbound and southbound between mile markers 98 and 135 due to flooding.

Lexington County

4 N Pooles Xrds

10	1919EST				0	0	100.00K	100.00K	Flash Flood
	1945EST								

Sandy Ridge Road and Swansea Road washed out south of Pelion and west of Swansea.

Lexington County

2 SSW Barr

10	1920EST				0	0	50.00K	100.00K	Flash Flood
	1945EST								

SC Highway Patrol reports road washout at Nazareth Road and Cedar Green Drive, Turkey Creek Basin.

Storm Data and Unusual Weather Phenomena

October 2015

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

CORRECTIONS

SOUTH CAROLINA, Central

Lexington County

4 N Pooles Xrds	10	1921EST			0	0	50.00K	100.00K	Flash Flood
		1945EST							

Forts Pond Road and Swansea Road washed out west of Swansea.

Lexington County

4 NW Pelion Corporate Arp	10	1924EST			0	0	50.00K	100.00K	Flash Flood
		1945EST							

SC Highway Patrol reports road washout at Platt Springs and Calks Ferry Road.

Clarendon County

1 ESE Manning	10	1943EST			0	0	100.00K	50.00K	Flash Flood
		2015EST							

Clarendon County Sheriff's Office reported passed along a public report of roadway flooding on Greeleyville HWY between the county jail and Bloomville Road.

Clarendon County

2 WNW Alcolu 1 ESE Manning	10	1945EST			0	0	500.00K	1.00M	Flash Flood
		2015EST							

Clarendon County dispatch reports that several roads that had flooded in the previous rain event and reopened had to be closed again this evening due to recent rain and runoff in the Manning and Alcolu areas.

Heavy rain falling onto already saturated grounds led to flash flooding. Many roads that had reopened after the previous event were closed again.

Storm Data and Unusual Weather Phenomena

December 2015

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

ATLANTIC, North

ANZ536-543

Tangier Sound And The Inland Waters Surrounding Bloodsworth Island - Tidal Potomac Indian Hd To Cobb Is Md

24	1512EST 1709EST				0	0			Marine Thunderstorm Wind
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Scattered showers with gusty winds moved across the Bay as a warm front lifted north.

ILLINOIS, Southwest

Monroe County

1 ENE Waterloo

23	0825CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds blew down several trees on the east side of town.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

St. Clair County

1 WSW Freeburg

23	0836CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds caused some moderate damage to fencing in town.

Note: The estimated wind gust of 52 knots is equivalent to 60 mph.

Randolph County

Sparta Hunter Fld Ar

23	1105CST				0	0	0.00K	0.00K	Thunderstorm Wind (54MG)
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Note: The measured wind gust of 54 knots is equivalent to 62 mph.

Adams County

1 W Quincy 3 SSW Ewbanks

23	1514CST 1522CST				0	0	0.00K	0.00K	Hail (1.50)
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A wide swath of one to one and a half inch hail fell across Quincy.

Adams County

1 S Golden

23	1550CST				0	0	0.00K	0.00K	Hail (1.00)
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Strong storm system moved through region triggering showers and thunderstorms. Some of the storms became severe producing damaging winds and large hail.

Madison County

4 S Sebastopol 2 WSW Eagle Park

26	1700CST								
27	0324CST				0	0	0.00K	0.00K	Flash Flood

Between 2 and 5 inches of rain fell causing flash flooding. Numerous roads were flooded including Marine Road near the town of Marine. A car was swept off the road in this location. The motorist was rescued but did not sustain any injuries.

Marion County

3 WNW Vernon 1 WNW Fairman

26	1900CST 2200CST				5	0	0.00K	0.00K	Flash Flood
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Automated gauges in the area only measured about an inch of rain between 3 pm and 8 pm. However, this was enough for Louse Creek to rise, covering Farthing Road at a low water crossing, about half a mile north of intersection with Britt Road. A family of 5 was traveling from Kentucky to Minnesota and somehow got lost after getting off of I-57. The family ended up about 2 miles southeast of Patoka, going north on Farthing Road. In the dark, the driver probably did not see the rushing water over the roadway before it was too late. The vehicle was carried about 150 to 200 feet downstream and became lodged in some trees. An occupant of the vehicle called 911 about 730 pm, but shortly after a firefighter arrived on the scene, the car became dislodged and sank. Dive teams recovered the car from the water several hours later. All 5 occupants were pronounced dead from drowning just before midnight. The flooding did not affect any structures in the area, just road flooding in a few locations. Also, this area of flooding was well removed from the axis of the heaviest rain that stretched from the eastern Ozarks into central Illinois. M31VE, F36VE, F13VE, M13VE, M10VE

Storm Data and Unusual Weather Phenomena

December 2015

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

ILLINOIS, Southwest

Macoupin County

4 ESE Staunton	26	2000CST							
2 SSW Brighton	27	0324CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 4 inches of rain fell causing flash flooding. Numerous roads were flooded especially across the southern half of the county. Some of the flooded roads were Bayless Road/Three Mile Road near Gillespie, Sunset Street on west side of Mt. Olive, Spanish Needle Road near Gillespie Lake, Brushy Mound Road just south of Carlinville, and Moore Cemetery Road east of bridge that goes over Richardson Branch Creek.

Jersey County

Grafton	26	2100CST							
4 S Rosedale	27	0324CST			1	0	0.00K	0.00K	Flash Flood

Up to four inches of rain fell causing flash flooding. Numerous roads were flooded. In Grafton, a 42 year old woman was walking home, possibly intoxicated. She was last seen on North Cedar Street at about 11 pm on December 26th, 2015. Authorities suspected she tried to cross a flooded roadway near a creek and was swept out to the Mississippi River and drowned. Her body was finally located March 10th, 2016 about 6 miles downstream. Cause of death was accidental drowning. F420U

Montgomery County

1 S Barnett	27	0130CST							
6 SW Walshville		0324CST			0	0	0.00K	0.00K	Flash Flood

Up to 5 inches of rain fell causing flash flooding. Numerous roads were flooded including some county highways.

Bond County

2 SSW Pierron	28	0700CST							
2 SSE Tamalco		1316CST			0	0	0.00K	0.00K	Flash Flood

Another round of heavy rain fell over Bond County, between 4 and 5 inches. Storm total rains were between 5 and 9 inches for the approximately 60 hour period. Numerous roads were flooded including Interstate 70, which was shut down around 7 am on December 28th. Several feet of flowing water was over both east and west bound lanes of Interstate 70, just east of exit 36. The highway remained closed until 2 pm on December 29th.

Fayette County

7 NNW Bingham	28	0830CST							
2 SW Carlyle Res North		1400CST			0	0	0.00K	0.00K	Flash Flood

First round of rain brought about 2 inches to Fayette County. Then the second round of rain from December 27th through December 28th, another 2 to 4 inches of rain fell across the county causing flash flooding. Numerous roads and creeks were flooded.

Madison County

4 S Sebastopol	28	0830CST							
2 WSW Eagle Park		1400CST			0	0	0.00K	0.00K	Flash Flood

Another round of heavy rain, between 3 and 5 inches, fell across Madison County from late on December 27th through December 28th, causing more flash flooding. Numerous roads were flooded. Roads closed include Illinois Route 143 between Hwy 255 and Illinois Route 111, Illinois Route 143 at Silver Creek, US Highway 40 between Triad and Schaeffer Roads, and Illinois Route 159 just north of intersection with Illinois Route 143.

Montgomery County

1 S Barnett	28	0830CST							
6 SW Walshville		1400CST			0	0	0.00K	0.00K	Flash Flood

Another round of heavy rain, between 2 to 4 inches, fell from late in the day on December 27th through December 28th causing flash flooding. Numerous roads were flooded including some county highways.

Storm Data and Unusual Weather Phenomena

December 2015

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

ILLINOIS, Southwest

St. Clair County
1 E White Oak
3 SSE Paderborn

28	0830CST								
	1400CST			0	0	0.00K	0.00K	Flash Flood	

First round of rain brought about 2 inches to St. Clair County. Then the second round of rain from December 27th through December 28th, another 3 to 4 inches of rain fell across the county causing flash flooding. Numerous roads were flooded including Old State Route 158 between Illinois Routes 177 and 161 near Scott Air Force Base. In Cahokia, a large car lot on Camp Jackson Road was flooded. Water was over the hood of most of the vehicles.

St. Clair County
1 E White Oak
3 SSE Paderborn

28	1400CST								
	1100CST			0	0	0.00K	0.00K	Flood	

Between 4 and 6 inches of rain fell from December 26th through December 28th causing flooding. Numerous creeks and ponds were well out of their banks flooding roads nearby. Illinois Route 161 had water over the roadway near intersection with North County Road. The water was flowing over the road from a pond south of Route 161 to the lower ditches on the north side of the road. A school bus carrying a basketball team from Mount Vernon to Mascoutah for a game was carried off the road by the water. At the time it happened, approximately 545 pm on December 28th, there was about 6 inches of water of the road. A semi truck was also carried off the roadway in this area. In total, 18 people were rescued with no injuries reported.

A prolonged period of rainfall occurred from the early morning hours of December 26th to the evening of December 28th. The heaviest rainfall occurred in a 50 to 75 mile wide swath from southwest Missouri through the Greater St. Louis Metropolitan Area and into central Illinois. Three day rainfall totals within this swath ranged from 6 to 12 inches, with lighter amounts extending both northwest and southeast to the state border. Some of the precipitation fell as a wintry mix of freezing rain, sleet and snow across northwest portions of the state. All of this rain caused historic river flooding for the many rivers throughout the region. This resulted in floods of record on the Bourbeuse River at Union, the Meramec River at Pacific, Eureka, Valley Park, and Arnold, and major flooding on the Missouri River (at Gasconade and Hermann), the Mississippi River at Winfield Lock and Dam and points downstream, the Cuivre River at Old Monroe, Dardenne Creek, the Gasconade River, the Moreau River, the Illinois River, and the Kaskaskia River at Vandalia. The only location not reporting flooding after this event was the Salt River near New London, where the Clarence Cannon Dam regulates the flow. All other forecast points reported at least minor flooding. Seven flooding deaths were reported in our area due to the heavy rains. Approximately 1500 structures were either damaged or destroyed by the flood waters in the forecast area. At this time dollar amount damages are expected to top \$1 billion dollars.

MARYLAND, Central

MDZ004-005

Carroll - Frederick

01	0254EST								
	2220EST			0	0			Dense Fog	

MDZ013-504

Anne Arundel - Central And Southeast Montgomery - Prince Georges

02	0055EST								
	1314EST			0	0			Dense Fog	

High pressure slowly retreated to the north during the day, leaving a cold air wedge over central Maryland. While a surface warm front lagged at the surface, low level jet pushed warm front aloft to the north, resulting in a stable air mass that trapped moisture in the valleys of central Maryland and northern Virginia, leading to fog development.

MDZ004-014

Anne Arundel - Frederick

06	0210EST								
	0924EST			0	0			Dense Fog	

High pressure over the region produced light winds and clear skies, leading to patchy radiational dense fog.

09	0654EST								
	2256EST			0	0			Dense Fog	

High pressure settling off the Carolina coast resulted in light return flow over the region, increasing moisture levels. Strong subsidence inversion limited any mixing, allowing the fog to persist well into the day in the valleys.

Storm Data and Unusual Weather Phenomena

December 2015

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

MARYLAND, Central

10	0240EST 1026EST				0	0			Dense Fog
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MDZ003-005-011-504-508

Carroll - Central And Southeast Montgomery - Southeast Harford - Southern Baltimore - Washington

10	0255EST 0845EST				0	0			Dense Fog
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High pressure over the region led to light winds. A wedge of clearing skies extending from central Maryland down into central Virginia combining with the light winds and low dew point depressions produced areas of dense fog.

MDZ003>005

Carroll - Frederick - Washington

17	0215EST 2145EST				0	0			Dense Fog
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Ahead of an approaching cold front, low level moisture pooling in the wake of a rain event from passing low pressure combining with light winds led to the development of dense fog.

MDZ003-005

Carroll - Washington

22	1758EST								
23	1100EST				0	0			Dense Fog

MDZ004-011-014

Anne Arundel - Frederick - Southern Baltimore

23	0054EST 1045EST				0	0			Dense Fog
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Saturated grounds from rain during the day combining with light winds and clearing skies led to the development of dense fog.

Baltimore County
1 WSW White Marsh

23	1853EST 2000EST				0	0	0.00K	0.00K	Flash Flood
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The river gauge at White Marsh on Whitemarsh Run reached a flood stage of 10 feet. It peaked at 11.21 feet at 19:30 EST. Water began to cover parking lots near the stream, particularly near Town Center Court.

Baltimore County
2 SSW Lutz Hill

23	1853EST 2000EST				0	0	0.00K	0.00K	Flash Flood
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A swift water rescue took place at North Point Boulevard and Kane Avenue.

A warm front moved through the Mid-Atlantic region. Well above normal temperatures occurred across the region while moisture streamed in from the south. Heavy rain led to localized flash flooding in Northeast Maryland.

MDZ014

Anne Arundel

24	1944EST								
25	0445EST				0	0			Dense Fog

MDZ003>005-504

Carroll - Central And Southeast Montgomery - Frederick - Washington

25	0004EST 1236EST				0	0			Dense Fog
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Saturated low levels from multiple rounds of heavy rain combining with overnight low level inversion led to widespread development of fog, with areas of dense fog.

Storm Data and Unusual Weather Phenomena

December 2015

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

MARYLAND, Central

Baltimore County 2 WSW White Marsh

25	1757EST 1950EST				0	0	0.00K	0.00K	Flash Flood
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The river gauge at Whitmarsh on Whitmarsh Run reached flood stage of 10 feet. It peaked at 11.38 feet at 18:45 EST. Water began to cover parking lots near the stream, particularly near Town Center Court.

Montgomery County 1 E Dawsonville

25	1853EST 2011EST				0	0	0.00K	0.00K	Flood
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The river gauge at Dawsonville at Seneca Creek reached a flood stage of 7.5 feet. It peaked at 7.75 feet at 19:25 EST. Portions of the Seneca Creek Greenway were flooded and a small portion of Berryville Road west of Darnestown began to flood.

A warm front moved through the Mid-Atlantic region and showers and thunderstorms led to very heavy rain capable of flooding across Central Maryland.

MDZ004

Frederick

26 27	1954EST				0	0			Dense Fog
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MDZ005

Carroll

27	0730EST 0930EST				0	0			Dense Fog
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Warming aloft led to low level inversion developing overnight, trapping residual low level moisture from the previous days multiple rounds of rain. This led to the development fog, with patches of dense fog.

MDZ501

Extreme Western Allegany

28 29	1900EST 0400EST				0	0			Winter Weather
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A cold front sank south across the region during the day, quickly returning during the overnight hours as a warm front. A shallow layer of cold air trapped in isolated spots of western Maryland led to the development the freezing drizzle as the front moved north.

MDZ003-005

Carroll - Washington

29 30	1915EST 0901EST				0	0			Dense Fog
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MDZ003-014

Anne Arundel - Frederick - Washington

30	0003EST 2359EST				0	0			Dense Fog
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Moist low levels combining with light winds and clearing skies north of a warm frontal boundary resulted in widespread fog with areas of dense fog.

MDZ004-504

Carroll - Central And Southeast Montgomery - Frederick

31	0000EST 0155EST				0	0			Dense Fog
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Subsidence inversion trapping low level moisture led to the development of dense fog.

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

Reynolds County

1 S Ellington

23	0945CST 0950CST				0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
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Thunderstorm winds caused minor to moderate damage across Ellington. A large tree was blown down. A portion of the tree landed on the roof of the historic Copeland-Shy House, causing moderate roof damage. Numerous other trees, tree limbs and power lines were blown down around Ellington. Also, an unanchored carport cover was flipped over in a church parking lot.

Note: The estimated wind gust of 56 knots is equivalent to 64 mph.

Marion County

6 W Ely

23	1455CST				0	0	0.00K	0.00K	Hail (1.00)
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Ralls County

1 ENE Hassard

23	1500CST				0	0	0.00K	0.00K	Hail (1.00)
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Marion County

Palmyra

23	1505CST				0	0	0.00K	0.00K	Hail (1.00)
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Strong storm system moved through region triggering showers and thunderstorms. Some of the storms became severe producing damaging winds and large hail.

St. Louis County

2 WNW Centaur

26	1345CST								
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2 ENE Musicks Ferry

27	0324CST				0	0	0.00K	0.00K	Flash Flood
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Over 5 inches of rain fell across St. Louis County on Dec. 26th through the morning hours of Dec. 27th. This caused major flash flooding. Numerous roads were flooded. Deer Creek in Brentwood rose nearly 11 feet in just 3 hours along with Black Creek, which sent water onto Manchester Road. Ten people had to be rescued from cars, homes and businesses in this area. In Wildwood, around 9 pm on the 26th, two vehicles were swept off of Wild Horse Creek Road, near intersection with Puellman Road. The first vehicle tried to navigate through the flooded roadway but became stranded. The high school student called his father, who hurried to the scene to from the opposite direction. He too became stranded and his car was lifted and carried down stream. He managed to climb out of his vehicle and cling to a tree, until he could be rescued. The son managed to get to safety on his own. Neither sustained any injuries.

Crawford County

3 NNW Jake Prairie

26	1535CST								
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6 WSW Cook Station

27	0324CST				0	0	0.00K	0.00K	Flash Flood
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Between 3 and 6 inches of rain fell across Crawford County. There were numerous roads flooded including a two mile stretch of Route N southeast of Bourbon due to Blue Springs Creek, which was well out of its banks in several locations.

Osage County

5 ESE Byron

26	1710CST								
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7 N Fredericksburg

27	0324CST				0	0	0.00K	0.00K	Flash Flood
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Between 3 and 5 inches of rain fell causing flash flooding. Numerous roads were flooded including U.S. Highway 50 at several locations along it. Also, Route RA was closed.

Gasconade County

2 NNW Morrison

26	2000CST								
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4 WSW Redbird

27	0324CST				0	0	0.00K	0.00K	Flash Flood
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Between 5 and 6 inches of rain fell causing flash flooding. Numerous roads were flooded including U.S. Highway 50 near Mt. Sterling and Route A in multiple areas between Routes Y and D. Also, Routes W and K were closed due to flash flooding from Second Creek.

Franklin County

2 WNW Berger

26	2100CST								
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1 W Boles

27	0324CST				0	0	0.00K	0.00K	Flash Flood
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Between 5 and 6 inches of rain fell causing flash flooding. Numerous roads were flooded including Route AC about 2 miles northwest of Sullivan due to Boone Creek rising well above its banks. Also, Route YY was closed due to flash flooding from St. Johns Creek and Route KK was closed due to 1 foot of water flowing over the roadway.

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

Jefferson County

4 NW Fletcher	26	2100CST							
6 WNW Hoene Spg	27	0324CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 4 inches of rain fell across the northern portions of Jefferson County on Dec. 26th through the morning hours of Dec. 27th. Numerous roads were flooded.

Lincoln County

2 E Elsberry	26	2115CST							
3 E Old Monroe	27	0300CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 5 inches of rain fell causing flash flooding. Several roads were flooded including Route Y west of Foley.

St. Charles County

4 NE St Paul	26	2130CST							
1 NNW Kampville	27	0324CST			0	0	100.00K	0.00K	Flash Flood

Between 5 and 6 inches of rain fell causing flash flooding. Numerous roads were flooded across the county including Highway N between Highway K and Weiss Road. Dardenne Creek was well out of its banks in this location. At least one home was flooded with about 3 to 4 feet of water. Several water rescues occurred in this area as between 6 to 8 vehicles became stranded in the flood waters. Other roads closed were Routes C, B and D as well as Highway 94 near Defiance. Another water rescue occurred on Highway F one mile northwest of Defiance.

Warren County

3 WSW Case	26	2200CST							
	27	0324CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 5 inches of rain fell causing flash flooding. Numerous roads were flooded including Highway 94 between Route N and Route U in both directions.

Callaway County

4 ESE Portland	26	2230CST							
4 ESE Shamrock	27	0327CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 4 inches of rain fell causing flash flooding. Numerous roads were flooded including Highway 94. Water was flowing over Highway 94 just northeast of Mokane, so the highway was closed in both directions for a time. Three homes were affected by the flash flooding but only sustained minor damage.

Boone County

3 ESE Claysville	26	2235CST							
2 SW Hartsburg	27	0327CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 4 inches of rain fell causing flash flooding. Numerous roads were flooded including Route H at Rangeline Road and Highway CC at Tri-City Road.

Montgomery County

1 WNW Bluffton	26	2324CST							
3 SSW Rhineland	27	0327CST			0	0	0.00K	0.00K	Flash Flood

Between 3 and 4 inches of rain fell causing flash flooding. Numerous roads were flooded including Highway 94 in several locations near Rhineland and Route J at several locations south of Mineola.

Gasconade County

2 SW Mt Sterling	27	0600CST							
2 NNW Morrison	31	2359CST			0	0	160.00K	0.00K	Flood

Between 6 and 9 inches of rain fell across Gasconade County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Gasconade River and Missouri River went into flood with several points cresting at major levels. Almost 20 structures were either damaged or destroyed from the river flooding. Damage estimates so far were around \$160 Thousand.

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

St. Charles County

5 WSW Augusta
4 SE Harvester

27	1130CST								
28	0600CST				0	0	0.00K	0.00K	Flood

The flooding persisted across St. Charles County on December 27th and 28th. Numerous roads remained flooded. Interstate 70 had to be shut down between exits 220 and 222 because Dardenne Creek rose 6 feet above flood stage in St. Peters (DRCM7). This caused the Interstate to be flooded by several feet of water. The highway was shut down both directions around Noon on December 27th. Westbound I-70 was reopened at 645 am and eastbound was finally reopened at 130 pm on December 28th.

Franklin County

2 WNW Berger
4 WSW Japan

27	2200CST								
31	2359CST				0	0	2.00M	0.00K	Flood

Between 6 and 9 inches of rain fell across Franklin County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Meramec River, Bourbeuse River and Missouri River all went into major flood with several points cresting at record levels. Almost 415 structures were either damaged or destroyed from the river flooding, with Union and Pacific being the worst hit in Franklin County. Damage estimates so far were around \$2 million.

Crawford County

8 ENE Bourbon
3 W Fanning

28	0200CST								
30	0744CST				1	0	500.00K	0.00K	Flood

Between 5 and 8 inches of rain fell across Crawford County during a 2 day period. All of this rain caused the creeks and rivers to rise. The Meramec River rose above flood stage at Steelville on December 27th. On December 30th, an 81 year old man drove into the flood waters of the Meramec on Highway N at Campbell Bridge, about 5 miles southeast of Bourbon. He apparently got out of his vehicle and drown. The flooding caused major damage to one home and completely destroyed another one. M81VE

Reynolds County

2 NE Munger
9 NW Greeley

28	0300CST								
	1230CST				0	0	355.00K	0.00K	Flash Flood

Between 3 and 6 inches of rain fell across the county in a 48 hour period. The heaviest rain fell in the early morning hours of December 28th causing flash flooding. Numerous roads were flooded including Route F where Logan Creek passes under it, the intersection of Highway 106 and Route B due to Logan Creek being well out of it's banks and Route CC from County Road 465 to the Wayne County line. Damage so far has been estimated around \$355,000.

Iron County

3 S Brunot
6 SW Vulcan

28	0545CST								
	1230CST				0	0	220.00K	0.00K	Flash Flood

Between 5 and 6 inches of rain fell in a 48 hour period between December 26th and December 28th. There were two waves of rainfall, the second wave caused flash flooding in Iron County. One vehicle became stranded at a low water crossing on County Road 160 just south of Route F, around 545 am on December 28th. The occupant(s) were able to get out, but video from the scene several hours later showed the vehicle being pushed as the current from Brushy Creek became strong enough to lift the SUV and float it downstream. Numerous other roads were flooded including Highway 21 between Routes AA and CC, Highway 221 from Highway 21 through the town of Pilot Knob, Route E over Marble Creek and Route N over the East Fork Black River.

Jefferson County

6 WNW Hoene Spg
4 NW Fletcher

28	0600CST								
	1230CST				0	0	0.00K	0.00K	Flash Flood

A second round of heavy rain fell from December 27th through December 28th dumping an additional 2 to 4 inches of rain. This caused more flash flooding. Numerous roads were flooded including Route W in both directions, Route BB in both directions, US Highway 61, US Highway 67 at Joachim Creek and Route AA in both directions.

Madison County

3 NNE Higdon
3 N Roselle

28	0600CST								
	1230CST				0	0	0.00K	0.00K	Flash Flood

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

Between 4 and 6 inches of rain fell across the county in a 48 hour period. The heaviest rain fell in the early morning hours of December 28th causing flash flooding. Numerous roads were flooded and closed including Route V from CR 238 to CR 243, Route C from Route V to CR 238, Route C from Route N to the Iron County line, and Route O from Route E to the end of state maintenance.

St. Charles County

4 NE St Paul
1 NNW Kampville

28	0600CST 1215CST			0	0	100.00K	0.00K	Flash Flood
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Another round of heavy rain, between 4 and 6 inches of rain fell across St. Charles County December 27th and 28th. This caused more flash flooding. Numerous roads were flooded.

St. Louis County

2 WNW Centaur
2 ENE Musicks Ferry

28	0600CST 1215CST			0	0	0.00K	0.00K	Flash Flood
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Another round of heavy rain, between 4 and 5 inches of rain fell across St. Louis County December 27th and 28th. This caused more flash flooding. Numerous roads were flooded.

St. Louis (c) County

2 SE Carondelet
4 ESE St Louis

28	0600CST 1215CST			0	0	0.00K	0.00K	Flash Flood
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Another round of heavy rain, between 3 and 4 inches of rain fell across the City of St. Louis December 27th and 28th. This caused flash flooding. Numerous roads were flooded.

Ste. Genevieve County

5 SW Thurman
Womack

28	0615CST 1230CST			0	0	300.00K	0.00K	Flash Flood
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Between 4 and 6 inches of rain fell over Ste. Genevieve County in a 48 hour period. The heaviest rain fell in the early morning hours of December 28th causing flash flooding. Numerous roads were flooded including Routes C, J and V, as well as US Highway 61 from Route M to Route H. Around 22 structures were either damaged or destroyed by the flash flooding. Damage was estimated around \$300,000.

St. Francois County

4 SSW Iron Mtn
10 ESE Libertyville

28	0615CST 1230CST			0	0	275.00K	0.00K	Flash Flood
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Between 4 and 6 inches of rain fell over St. Francois County in a 48 hour period. The heaviest rain fell in the early morning hours of December 28th causing flash flooding. Numerous roads were flooded including Highway 221 over the St. Francis River and Route F from Old Jackson Road to Wolf Creek Bridge. Around 10 structures were damaged by the flash flooding. Damage was estimated around \$275,000.

Crawford County

3 NNW Jake Prairie
6 WSW Cook Station

28	0800CST 1215CST			0	0	0.00K	0.00K	Flash Flood
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Another round of heavy rain fell across Crawford County, with an additional 2 to 3 inches reported. Storm total rainfall was 5 to 8 inches from December 26th through December 28th. This second round caused numerous creeks to rise even more, including Huzzah Creek. It flooded a large camping/floating resort off of Highway 8 where Dry Creek empties into Huzzah Creek. Numerous roads were flooded as well.

Lincoln County

2 E Elsberry
3 E Old Monroe

28	0830CST 1400CST			0	0	0.00K	0.00K	Flash Flood
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Another round of heavy rain, between 1 and 2 inches of rain fell across Lincoln County December 27th and 28th. This caused more flash flooding. Numerous roads and farm fields were flooded.

Storm Data and Unusual Weather Phenomena

December 2015

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

MISSOURI, East

A prolonged period of rainfall occurred from the early morning hours of December 26th to the evening of December 28th. The heaviest rainfall occurred in a 50 to 75 mile wide swath from southwest Missouri through the Greater St. Louis Metropolitan Area and into central Illinois. Three day rainfall totals within this swath ranged from 6 to 12 inches, with lighter amounts extending both northwest and southeast to the state border. Some of the precipitation fell as a wintry mix of freezing rain, sleet and snow across northwest portions of the state. All of this rain caused historic river flooding for the many rivers throughout the region. This resulted in floods of record on the Bourbeuse River at Union, the Meramec River at Pacific, Eureka, Valley Park, and Arnold, and major flooding on the Missouri River (at Gasconade and Hermann), the Mississippi River at Winfield Lock and Dam and points downstream, the Cuivre River at Old Monroe, Dardenne Creek, the Gasconade River, the Moreau River, the Illinois River, and the Kaskaskia River at Vandalia. The only location not reporting flooding after this event was the Salt River near New London, where the Clarence Cannon Dam regulates the flow. All other forecast points reported at least minor flooding. Seven flooding deaths were reported in our area due to the heavy rains. Approximately 1500 structures were either damaged or destroyed by the flood waters in the forecast area. At this time dollar amount damages are expected to top \$1 billion dollars.

OREGON, Northwest

ORZ006-015-016

Central Columbia River Gorge - Greater portland Metro Area - Western Columbia River Gorge

01	1930PST								
02	0300PST				0	0	5.0K	0.00K	Ice Storm

East winds through the Columbia River Gorge maintained below freezing temperatures for the gorge and surrounding areas as a precipitating front moved over the region. There was a mix of snow, sleet, ice, and freezing rain in these areas.

ORZ016

Central Columbia River Gorge

02	2200PST								
03	0700PST				0	0	0.00K	0.00K	Ice Storm

East winds through the Columbia River Gorge maintained below freezing temperatures for the gorge and surrounding areas as a precipitating front moved over the region. There was a mix of rain, freezing rain, and ice in these areas.

ORZ001-002

Central Oregon Coast - Northern Oregon Coast

06	1815PST								
07	1454PST				0	0	0.00K	0.00K	High Wind

A strong low pressure system produced high winds for the Northwest Oregon Coast and coast range.

Linn County

4 NW Sweet Home

07	0045PST								
08	0300PST				0	0	1033.00K	0.00K	Heavy Rain

Heavy rain resulted in flooding of small streams in the Sweet Home area. Water flooded the basements and lower floors of some homes, and a rock slide closed one lane of Highway 20.

Tillamook County

8 E Nehalem

4 SE Tillamook

07	0900PST								
08	0200PST				0	0	241.00K	0.00K	Flood

The Wilson River near Tillamook, The Trask River near Tillamook, and The Nehalem River near Foss exceeded flood stage. high water from these rivers resulted in the closure of several roads including Highway 101.

Multnomah County

5 ESE Troutdale Arpt

2 W Portland

07	0900PST								
08	0100PST				0	0	1087.00K	0.00K	Heavy Rain

Heavy rain resulted in urban flooding and small stream flooding throughout the Portland Metro area. The rain was heavy enough to collapse a roof of a business in Gresham Oregon, cause a sink hole near Mt Hood College. High water flowing into Fairview Creek in Gresham snapped a sewage line. Several roads were closed due to high water and the Trimet Max operations were interrupted. water crept into businesses and homes. There were at least two land slides in Portland; one on Corbett Hill, and the other on Cornell Road.

Storm Data and Unusual Weather Phenomena

December 2015

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

OREGON, Northwest

Tillamook County

Nehalem	07	0900PST							
1 S Tillamook	08	0200PST			0	0	220.00K	0.00K	Heavy Rain

Heavy rain resulted in urban flooding and several landslides throughout Tillamook County.

Lincoln County

2 N Siletz	07	0930PST							
4 SE Tidewater	08	0900PST			0	0	128.00K	0.00K	Flood

Heavy rain resulted in flooding of the Siletz river near Siletz and the Alsea River near Tidewater. High water covered many roads.

Washington County

2 W Dilly	07	1000PST							
1 W Gaston	08	1400PST			0	0	2342.00K	0.00K	Flood

Heavy rain resulted in flooding of the Tualatin River near Dilly, and of many small creeks between Beaverton and Gaston. Around 50 homes sustained flood damage and many roads were closed including Highway 217 in Beaverton (during the evening commute).

A moist pacific front produced heavy rainfall across Northwest Oregon which resulted in river flooding, urban flooding, small stream flooding, land slides, and a few sink holes.

ORZ004

Central Coast Range Of W Oregon

	07	1012PST							
		1312PST			0	0	0.00K	0.00K	High Wind

A strong low pressure system produced high winds for the Northwest Oregon Coast and coast range.

Clackamas County

1 S Estacada	07	1030PST							
	08	0200PST			0	0	381.00K	0.00K	Flood

Flooding of Johnson Creek and of the Clackamas River resulted in significant damage to businesses, homes, and vehicles in Milwaukie, Clackamas, Boring, Lake Oswego, and Happy Valley. Around 50 homes were evacuated and eight people were rescued. High water and debris flow closed several roads in the area.

Yamhill County

Mc Minnville	07	1100PST							
	08	0500PST			0	0	749.00K	0.00K	Heavy Rain

Heavy rain resulted in urban flooding in McMinnville with standing water reported in town. High water closed several roads in the area including Highway 99.

Lane County

4 SSW Mapleton	07	1130PST							
	08	0300PST			0	0	395.00K	0.00K	Flood

Heavy rain resulted in the Siuslaw River to exceed flood stage at Mapleton. Several small streams also flooded in the area.

Multnomah County

1 SW Gresham	07	1130PST							
7 SSE Portland Intl Arpt	08	0100PST			0	0	1087.00K	0.00K	Flood

Heavy rain resulted in Johnson Creek to exceed major flood stage. Water from the river flooded homes, vehicles, and businesses. Several roads were closed due to the high water.

Columbia County

2 S Vernonia	07	1200PST							
		1930PST			0	0	124.00K	0.00K	Flood

Heavy rain resulted in flooding of the Nehalem River near Vernonia, and several small streams in the area. The Timber Road Bridge over Gales Creek washed out north of Highway 6.

Storm Data and Unusual Weather Phenomena

December 2015

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
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CORRECTIONS

OREGON, Northwest

A moist pacific front produced heavy rainfall across Northwest Oregon which resulted in river flooding, urban flooding, small stream flooding, land slides, and a few sink holes.

ORZ003

Coast Range Of Nw Oregon

07	1314PST								
	1414PST				0	0	0.00K	0.00K	High Wind

A strong low pressure system produced high winds for the Northwest Oregon Coast and coast range.

ORZ006-011

Greater portland Metro Area - North Oregon Cascades

07	1430PST								
	1700PST				0	0	138.0K	0.00K	Strong Wind

A frontal system generated strong winds that resulted in minor damage in Clackamas, Oregon City, and Rhododendron.

Hood River County

1 SE Hood River

07	1600PST								
	2000PST				0	0	0.00K	0.00K	Flood

Heavy rain resulted in the flooding of Hood River near Hood River.

Polk County

1 S Suver 1 N Grand Ronde

08	0000PST								
	0800PST				0	0	95.00K	0.00K	Flood

Heavy rain resulted in flooding of the Lukiamute River near Suver as well as several streams in the area. Water covered many of the roads including the closure of Highway 18.

A moist pacific front produced heavy rainfall across Northwest Oregon which resulted in river flooding, urban flooding, small stream flooding, land slides, and a few sink holes.

Polk County

1 W Suver

08	0030PST								
10	2355PST				0	0	225.00K	0.00K	Flood

Heavy rain resulted in flooding of the Lukiamute River near Suver.

A moist front produced heavy rain across Northwest Oregon on December 8th through December 9th resulting in river flooding, urban flooding, and sink holes. This rain occurred around 24 hours after another moist front that resulted in flooding across the area.

ORZ001-003

Coast Range Of Nw Oregon - Northern Oregon Coast

08	0300PST								
09	0314PST				0	0	108.0K	0.00K	High Wind

A strong frontal system generated high winds for portions of Northwest Oregon.

08	0930PST								
09	2200PST				0	0	1.302M	0.00K	Coastal Flood

High rivers from heavy rain combined with large surf and extremely high tides resulted in coastal flooding for the North Oregon Coast.

ORZ002-004

Central Coast Range Of W Oregon - Central Oregon Coast

08	1215PST								
09	2250PST				0	0	39.0K	0.00K	High Wind

A strong frontal system generated high winds for portions of Northwest Oregon.

Storm Data and Unusual Weather Phenomena

December 2015

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

OREGON, Northwest

Multnomah County

West Portland
2 E Gresham

08	1600PST								
09	0400PST				0	0	621.00K	0.00K	Heavy Rain

Heavy rain resulted in urban flooding across the Portland metro area. All Amtrack and freight trains were shut down between Portland and Vancouver due to flooding. A mobile home park in Gresham flooded. There were a couple of land slides on Highway 30 where debris covered the highway. One of these slides was near German Town Road. The other slide was near the St John's Bridge, hit a car (with no injuries) as it happened, and covered all lanes of Highway 30.

Columbia County

2 N Vernonia

08	1800PST								
09	0200PST				0	0	824.00K	0.00K	Flood

Flooding from the Nehalem River and Rock Creek in Vernonia resulted in evacuation of homes and the implementation of the Vernonia Emergency Command Center. Heavy rain resulted in a land slide that closed OR47 at mile marker 8.

Yamhill County

7 E Sheridan

08	1800PST								
09	0300PST				0	0	146.00K	0.00K	Heavy Rain

The Oregon State route 22 was closed due to erosion (sinkhole) from heavy rain. Oregon state route 153 was closed due to high water on the roads between mile markers 1 and 6.

A moist front produced heavy rain across Northwest Oregon on December 8th through December 9th resulting in river flooding, urban flooding, and sink holes. This rain occurred around 24 hours after another moist front that resulted in flooding across the area.

ORZ006-007

Central Willamette Valley - Greater portland Metro Area

09	0300PST								
	0500PST				1	0	127.0K	0.00K	Strong Wind

A strong frontal system generated high winds for portions of Northwest Oregon. F60PH

Columbia County

Vernonia
Clatskanie

09	0300PST								
10	1300PST				1	1	2305.00K	0.00K	Flood

The Nehalem River near Vernonia flooded Vernonia resulting in evacuation of residents and damage to many buildings and vehicles. A bridge washed out on Timber Road and isolated the Glenwood Community. There was also significant flooding in St Helens, where 17 homes were evacuated, and many roads were damaged and closed. Highway 30 and the business district in Rainier also flooded. An elderly couple drove around a barrier of a closed road, and was swept away by high water. The man escaped through the sunroof of the vehicle, but the woman ended up drowning. Flooding and landslides cut off Western Columbia County. F72VE

Washington County

1 S Dilley

09	0800PST								
10	0700PST				0	0	283.00K	0.00K	Flood

Heavy rain resulted in flooding of the Tualatin River near Dilley. High water flooded local businesses and residences.

A moist front produced heavy rain across Northwest Oregon closely following two other moist fronts on December 7th and December 8th. The heavy rain resulted in additional flooding and land slides across the region.

ORZ002

Central Oregon Coast

10	0000PST								
	1406PST				0	0	0.00K	0.00K	High Wind

Lane County

1 N (EUG)Eugene Sweet Ar
1 E Creswell

10	0030PST								
	0330PST				0	0	260.00K	0.00K	Thunderstorm Wind (41MG)

Storm Data and Unusual Weather Phenomena

December 2015

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

OREGON, Northwest

Wind damage from thunderstorm winds were reported in Eugene and Creswell. Numerous trees were downed on vehicles and buildings, and downed power lines resulted in widespread electricity outages.

Note: The measured wind gust of 41 knots is equivalent to 47 mph.

ORZ001-003-004

Central Coast Range Of W Oregon - Coast Range Of Nw Oregon - Northern Oregon Coast

10	0315PST								
	1105PST			0	0	0.00K	0.00K		High Wind

A strong front produced high winds along the Oregon coast and Coast Range. Thunderstorms that accompanied the front resulted in damaging winds for the Willamette Valley and the Cascade Foothills of Lane County.

10	0900PST								
11	1400PST			0	0	3.46M	0.00K		Coastal Flood

ORZ002

Central Oregon Coast

10	1000PST								
11	1400PST			0	0	919.0K	0.00K		Coastal Flood

High rivers from heavy rain combined with large surf and extremely high tides resulted in coastal flooding for the North Oregon Coast.

ORZ006

Greater portland Metro Area

10	1100PST								
	1200PST			0	0	60.0K	0.00K		Strong Wind

A strong front produced high winds along the Oregon coast and Coast Range. Thunderstorms that accompanied the front resulted in damaging winds for the Willamette Valley and the Cascade Foothills of Lane County.

ORZ011-013

Cascades In Lane County - North Oregon Cascades

12	1000PST								
13	0700PST			0	0	0.00K	0.00K		Heavy Snow

Cold air behind a strong cold front lowered snow levels down well below the Cascade Passes. Frequent showers behind the front resulted in high 15 to 21 inches of snow in 24 hours along the North Oregon Cascades.

ORZ001-002

Central Oregon Coast - Northern Oregon Coast

12	1237PST								
	1400PST			0	0	0.00K	0.00K		High Wind

A strong frontal system produced high winds for the North Oregon Coast.

Clackamas County 8 W Mulino

12	1300PST								
13	2359PST			0	0	0.00K	0.00K		Flood

The Pudding River at Aurora exceeded flood stage and remained near flood stage for several days (through December 15th).

Clackamas County 3 SW West Linn

12	1300PST								
13	2000PST			0	0	0.00K	0.00K		Flood

The Tualatin River at West Linn exceeded Flood stage. After a wet week (December 5 through Dec 11), several rivers were near bank full ahead of another front on December 12th. Rain from this front was enough to push a couple of rivers in Clackamas County above flood stage.

Storm Data and Unusual Weather Phenomena

December 2015

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

OREGON, Northwest

ORZ012

Cascade Foothills In Lane County

13	0100PST				0	0	0.00K	0.00K	Heavy Snow
	0700PST								

Cold air behind a strong cold front lowered snow levels down well below the Cascade Passes. Frequent showers behind the front resulted in high 15 to 21 inches of snow in 24 hours along the North Oregon Cascades.

ORZ014-016

Central Columbia River Gorge - Upper Hood River Valley

17	0000PST				0	0	0.00K	0.00K	Heavy Snow
	1200PST								

Temperatures in the Columbia River Gorge and the Upper Hood River Valley remained at or below freezing with the onset of precipitation from a moist warm front, and produced a quick burst of heavy snow.

Multnomah County

1 NE (PDX)Portland Intl A
1 SW Portland

17	1100PST								
18	0300PST				0	0	311.00K	0.00K	Heavy Rain

Heavy rain resulted in new daily rainfall records for the Portland International Airport and downtown Portland. A new daily rainfall of 1.87 inches at the airport broke the previous record of 1.02 inches from 1972. Downtown Portland measures 2.42 inches of rain on the 17th which broke the previous record of 2.26 inches from 1884. Standing water was reported on many roads in the area. The heavy rain caused a landslide on Highway 30 near the St John Bridge.

Lane County

3 S Springfield
3 S Mapleton

17	1300PST								
18	2300PST				0	0	499.00K	0.00K	Flood

The Siuslaw River flooded near Mapleton and the Mohawk River flooded near Springfield. Minor flooding of a pastureland was reported in Swisshome due to flooding of Mann Creek. A new daily rainfall record of 1.65 inches in Eugene broke the previous record of 1.35 inches last set in 1957.

Benton County

7 SE Alsea
3 E Philomath

17	1700PST								
18	2359PST				0	0	10.00K	0.00K	Flood

Heavy rain resulted in flooding of the Mary River near Philomath. There was also a landslide that closed westbound highway 34 near Alsea.

Tillamook County

2 SE Tillamook

17	1700PST								
18	0400PST				0	0	461.00K	0.00K	Flood

High water resulted in the closing of several roads near Tillamook including Highway the Oregon State Route 6 near the Highway 101 intersection.

Lincoln County

2 S Lincoln City
30 SSE Yachats

17	1700PST								
18	1400PST				1	1	1240.00K	0.00K	Heavy Rain

Heavy rain resulted in a multiple of large land slides from Florence to Newport. A landslide in Newport damaged 6 homes and resulted in the evacuation of other near by homes. A car fell into a sink hole in Newport as it opened up a garage. One landslide that struck a home killed an elderly woman and her dog, and injured her husband. A creek near Yachats River Rd pushed a home off of its foundation as it rerouted from the heavy rain. Highway 229 in Siletz flooded. The Siletz River near Siletz and the Alsea River near Tidewater exceeded flood stage. A new daily rainfall record was set in Newport when 3.08 inches of rain on the 17th broke the previous record of 2 inches that was last set in 1925. F70PH

An atmospheric rain event resulted in river flooding, urban flooding, land slides and sink holes across Northwest Oregon causing catastrophic damage. F70PH

ORZ001-002

Central Oregon Coast - Northern Oregon Coast

17	1843PST								
	2359PST				0	0	39.0K	0.00K	High Wind

Storm Data and Unusual Weather Phenomena

December 2015

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

OREGON, Northwest

A low pressure system resulted in strong winds along the Northern and Central Oregon Coast.

Polk County 2 NW Suver

18	0400PST								
19	0100PST				0	0	75.00K	0.00K	Flood

The Luckiamute River flooded near Suver.

Clackamas County 10 W Mulino

18	0700PST								
	2300PST				0	0	128.00K	0.00K	Flood

The Pudding River flooded near Aurora on the 18th, then remained near flood stage through December 24. The Clackamas River flooded near Estacada on December 18th.

Washington County Dilley

18	0700PST								
	2300PST				0	0	141.00K	0.00K	Flood

The Tualatin River flooded near Farmington and Dilley.

An atmospheric rain event resulted in river flooding, urban flooding, land slides and sink holes across Northwest Oregon causing catastrophic damage.

ORZ002

Central Oregon Coast

20	0425PST								
	0653PST				0	0	0.00K	0.00K	High Wind

An occluded front produced a brief period of high winds for the Central Oregon Coast.

21	0613PST								
	1315PST				0	0	0.00K	0.00K	High Wind

ORZ001-003>008-010>011-014>016

Central Coast Range Of W Oregon - Central Columbia River Gorge - Central Willamette Valley - Coast Range Of Nw Oregon - Greater portland Metro Area - Lower Columbia - North Oregon Cascades - North Oregon Cascades Foothills - Northern Oregon Coast - Southern Willamette Valley - Upper Hood River Valley - Western Columbia River Gorge

21	0820PST								
	1500PST				0	2	1.509M	0.00K	High Wind

High winds impacted Northwest Oregon as a 980 millibar low moved onshore in Pacific County, Washington. The winds resulted in widespread tree damage and power outages.

ORZ003-010-012-013

Cascade Foothills In Lane County - Cascades In Lane County - Coast Range Of Nw Oregon - North Oregon Cascades Foothills

22	1800PST								
24	0400PST				0	0	0.00K	0.00K	Heavy Snow

ORZ011

North Oregon Cascades

23	1800PST								
24	0400PST				0	0	0.00K	0.00K	Heavy Snow

Moist onshore winds produced a steady stream of showers over the area with snow levels between 1000 and 2000 feet. This resulted in heavy snow for the Northern Oregon Cascades and Coast Range.

Storm Data and Unusual Weather Phenomena

December 2015

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

VIRGINIA, North

VAZ030-053-506

Arlington - Eastern Loudoun - Fairfax - Warren

01	1958EST								
02	0355EST				0	0			Dense Fog

VAZ052-502

Prince William - Southern Fauquier

02	0735EST								
	1145EST				0	0			Dense Fog

Low level moisture remained trapped at the surface as a warm front slowly lifted north, resulting in patches of dense fog.

VAZ025-029

Augusta - Page

08	0000EST								
	1015EST				0	0			Dense Fog

High pressure overhead produced light winds and clear skies, leading to radiational fog development in the valleys.

VAZ029-037-050-053-055-502-506

Albemarle - Culpeper - Eastern Loudoun - Fairfax - Orange - Page - Southern Fauquier - Stafford

09	0515EST								
	0455EST				0	0			Dense Fog

High pressure settling off the Carolina coast resulted in light return flow over the region, increasing moisture levels. Strong subsidence inversion limited any mixing, allowing the fog to persist well into the day.

VAZ028-051-053-055-502

Culpeper - Fairfax - Frederick - Southern Fauquier - Stafford

10	0135EST								
	0735EST				0	0			Dense Fog

High pressure over the region led to light winds. A wedge of clearing skies extending from central Maryland down into central Virginia combining with the light winds and low dew point depressions produced areas of dense fog.

VAZ027-037-051-502

Albemarle - Culpeper - Shenandoah - Southern Fauquier

17	1853EST								
	2355EST				0	0			Dense Fog

VAZ050

Orange

18	0015EST								
	0235EST				0	0			Dense Fog

Ahead of an approaching cold front, low level moisture pooling in the wake of a rain event from passing low pressure combining with light winds led to the development of dense fog.

VAZ028

Frederick

22	2155EST								
23	0535EST				0	0			Dense Fog

VAZ030-037-050-054-506

Albemarle - Arlington - Eastern Loudoun - Orange - Stafford - Warren

23	0253EST								
	2155EST				0	0			Dense Fog

Storm Data and Unusual Weather Phenomena

December 2015

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

VIRGINIA, North

Saturated grounds from rain during the day combining with light winds and clearing skies let to the development of dense fog.

Alexandria (c) County 2 SSE Alexandria

23	1734EST								
	1840EST				0	0	0.00K	0.00K	Flood

The river gauge at Huntington Park at Cameron Run reached a flood stage of 5.5 feet. It peaked at 5.97 feet at 18:20 EST. Water began to cover undeveloped land within Huntington Park.

A warm front moved through the Mid-Atlantic region. Well above normal temperatures occurred across the region while moisture streamed in from the south. Heavy rain led to localized flash flooding across the Baltimore and Washington DC metros.

VAZ025-027>030- 050>055-502-506

Arlington - Augusta - Culpeper - Eastern Loudoun - Fairfax - Frederick - Orange - Page - Prince William - Shenandoah - Southern Fauquier - Stafford - Warren

25	0015EST								
	0835EST				0	0			Dense Fog

Saturated low levels from multiple rounds of heavy rain combining with overnight low level inversion led to widespread development of fog, with areas of dense fog.

VAZ028

Frederick

29	2035EST								
30	0415EST				0	0			Dense Fog

VAZ025-029-037- 050>051-053-502- 506

Albemarle - Augusta - Culpeper - Eastern Loudoun - Fairfax - Orange - Page - Southern Fauquier - Warren

30	0000EST								
	0955EST				0	0			Dense Fog

Moist low levels combining with light winds and clearing skies north of a warm frontal boundary resulted in widespread fog with areas of dense fog.

VAZ027-029-037- 050-055-502

Albemarle - Orange - Page - Shenandoah - Southern Fauquier - Stafford - Warren

31	0053EST								
	0755EST				0	0			Dense Fog

Subsidence inversion trapping low level moisture led to the development of dense fog.

WASHINGTON, Southwest

WAZ045

Western Columbia Gorge

01	1930PST								
02	0300PST				0	0	0.00K	0.00K	Astronomical Low Tide

WAZ019-046

Central Columbia River Gorge - South Washington Cascades

01	1930PST								
02	0300PST				0	0	0.00K	0.00K	Ice Storm

East winds through the Columbia River Gorge maintained below freezing temperatures for the gorge and surrounding areas as a precipitating front moved over the region. There was a mix of snow, sleet, ice, and freezing rain in these areas.

02	2200PST								
03	0700PST				0	0	0.00K	0.00K	Ice Storm

Storm Data and Unusual Weather Phenomena

December 2015

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

WASHINGTON, Southwest

WAZ046

Central Columbia River Gorge

02	2200PST								
03	0700PST				0	0	0.00K	0.00K	Ice Storm

East winds through the Columbia River Gorge maintained below freezing temperatures for the gorge and surrounding areas as a precipitating front moved over the region. There was a mix of rain, freezing rain, and ice in these areas.

WAZ021

South Coast

03	1100PST								
	1230PST				0	0	0.00K	0.00K	High Wind

A Low pressure system moving along a frontal boundary produced a brief period of strong winds for the South Washington Coast.

WAZ020-021

South Coast - Southwest Interior

05	0700PST								
	2315PST				0	0	0.00K	0.00K	High Wind

A Strong Cold front produced high winds for the South Washington Coast and the Willapa Hills.

WAZ020-021

South Coast - Southwest Interior

06	1745PST								
07	2100PST				0	0	0.00K	0.00K	High Wind

A strong low pressure system produced high winds for the South Washington Coast and the the Willapa Hills.

Clark County

Hazel Dell
5 WNW Camas

07	1200PST								
	2000PST				0	0	1781.00K	0.00K	Heavy Rain

Heavy rain resulted in urban flooding across the Vancouver metro area. SE Mill PLain was closed between 172nd and 192nd due to deep standing water. An apartment building in Hazell Dell was evacuated due to a land slide.

Skamania County

Carson
Stevenson

07	1200PST								
	2000PST				0	0	128.00K	0.00K	Heavy Rain

Heavy rain resulted in small stream flooding and land slides across Skamania County.

A moist pacific front produced heavy rainfall across Southwest Washington which resulted in urban flooding, small stream flooding, and land slides.

WAZ019>021

South Coast - South Washington Cascades - Southwest Interior

07	1232PST								
	1801PST				0	0	0.00K	0.00K	High Wind

A frontal system generated high winds for the Southwest Washington Coast and Coast Range.

08	0317PST								
09	0147PST				0	0	0.00K	0.00K	High Wind

A strong frontal system generated high winds for portions of Southwest Washington.

Storm Data and Unusual Weather Phenomena

December 2015

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

WASHINGTON, Southwest

Wahkiakum County 2 ENE Rosburg

08	0600PST								
09	2200PST				0	0	339.00K	0.00K	Flood

Heavy rain resulted in flooding of the Grays River near Rosburg.

A moist pacific front produced heavy rainfall across Southwest Washington which resulted in river flooding, urban flooding, small stream flooding, and land slides.

WAZ019-020

South Washington Cascades - Southwest Interior

08	1100PST								
	0400PST				0	0	6.058M	0.00K	High Wind

A strong frontal system generated high winds for portions of Southwest Washington.

Cowlitz County 2 SW Kelso 4 NNW Kalama

08	1900PST								
09	2300PST				0	0	2098.00K	0.00K	Flood

The Cowlitz River at Kelso exceeded flood stage. Rises of the Kalama River resulted in flood damage of many businesses in Kalama including Motel 6, Remax, and the Burger Bar. Camp Kalama was closed due to flooding of the Kalama River. The I-5 offramp in Longview was closed due to high water.

Cowlitz County 3 SE Longview 1 SE Kalama

08	2000PST								
09	0100PST				0	0	2098.00K	0.00K	Heavy Rain

Heavy rain resulted in multiple land slides between Longview and Kalama. Highway 30 and Kalama River Road were closed due to multiple slides and stranded some residents. A land slide hit a residence and trapped the owner with no injuries.

A moist pacific front produced heavy rainfall across Southwest Washington which resulted in river flooding, urban flooding, small stream flooding, and land slides.

Cowlitz County 1 NW Castle Rock

09	0000PST								
10	2300PST				0	0	1799.00K	0.00K	Flood

The Cowlitz River flooded near Castle Rock and Kelso. The heavy rain caused a large land slide in Woodland that closed I-5 overnight.

A moist front produced heavy rain across Southwest Washington closely following two other moist fronts on December 7th and December 8th. The heavy rain resulted in additional flooding and land slides across the region.

WAZ019-021

South Coast - South Washington Cascades

10	0130PST								
	1200PST				0	0	0.00K	0.00K	High Wind

A strong front produced high winds along the South Washington coast and interior.

10	1000PST								
11	1500PST				0	0	115.0K	0.00K	Coastal Flood

High rivers from heavy rain combined with large surf and extremely high tides resulted in coastal flooding for the South Washington Coast.

Clark County 1 W Battle Ground

10	1115PST								
	1121PST	0.82	528	0	0	311.00K	0.00K		Tornado (EF1)

Around 36 homes and 2 businesses sustained damage from the tornado. Dozens of trees with a diameter of 1 to 3 feet were uprooted and blown down, and around a half of a dozen 1 to 2 foot diameter trees were snapped.

A tornado with winds up to 104 mph touched down southwest of Battleground around 1115 am. There were at least two touch down points along the 2 mile path. No injuries or fatalities were reported, but residences and businesses sustained property damage.

Storm Data and Unusual Weather Phenomena

December 2015

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

WASHINGTON, Southwest

WAZ020-021

South Coast - Southwest Interior

12	1000PST								
	2300PST				0	0	0.00K	0.00K	High Wind

A strong frontal system produced high winds for the Southwest Washington Coast and the Willapa Hills.

WAZ019-046

Central Columbia River Gorge - South Washington Cascades

17	0000PST								
	1200PST				0	0	0.00K	0.00K	Heavy Snow

Temperatures in and near the Columbia River Gorge remained near or just below freezing with the onset of precipitation of a moist warm front, and produced a quick burst of heavy snow.

WAZ021

South Coast

20	0445PST								
	0653PST				0	0	0.00K	0.00K	High Wind

An occluded front produced a brief period of high winds for the South Washington Coast.

WAZ019>022-039> 040-045>046

Central Columbia River Gorge - Greater Vancouver Area - Lower Columbia - South Coast - South Washington Cascades - Southern Washington Cascade Foothills - Southwest Interior - Western Columbia Gorge

21	1113PST								
	1430PST				0	0	1.057M	0.00K	High Wind

High winds impacted Southwest Washington as a 980 millibar low moved onshore in Pacific County. The winds resulted in widespread tree damage and power outages.

WAZ021

South Coast

22	1600PST								
23	1400PST				0	0	0.00K	0.00K	High Wind

An occluded front produced high winds for the South Washington Coast.

WAZ019-040

South Washington Cascades - Southern Washington Cascade Foothills - Southwest Interior

22	1800PST								
24	0400PST				0	0	0.00K	0.00K	Heavy Snow

Moist onshore winds produced a steady stream of showers over the area with snow levels between 1000 and 2000 feet. This resulted in heavy snow for the South Washington Cascades and Coast Range.

WEST VIRGINIA, East

WVZ052

Berkeley

02	0053EST								
	0530EST				0	0			Dense Fog

Low level moisture remained trapped at the surface as a warm front slowly lifted north, resulting in patches of dense fog.

06	0735EST								
	1129EST				0	0			Dense Fog

High pressure over the region produced light winds and clear skies, leading to patchy radiational dense fog.

Storm Data and Unusual Weather Phenomena

December 2015

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

WEST VIRGINIA, East

WVZ502-504

Eastern Grant - Eastern Mineral

09	0319EST				0	0			Dense Fog
	1015EST								

High pressure settling off the Carolina coast resulted in light return flow over the region, increasing moisture levels. Strong subsidence inversion limited any mixing, allowing the fog to persist well into the day in the valleys.

WVZ052-504

Berkeley - Eastern Mineral

10	0431EST				0	0			Dense Fog
	1123EST								

High pressure over the region led to light winds. A wedge of clearing skies extending from central Maryland down into central Virginia combining with the light winds and low dew point depressions produced areas of dense fog.

22	2023EST								
23	0915EST				0	0			Dense Fog

WVZ504

Eastern Mineral

22	2038EST								
23	0519EST				0	0			Dense Fog

Saturated grounds from rain during the day combining with light winds and clearing skies led to the development of dense fog.

23	2020EST								
24	0541EST				0	0			Dense Fog

Continual moisture advection in the wake of a warm frontal passage led to saturated low levels in the valleys, with dense fog developing.

WVZ052-502-504

Berkeley - Eastern Grant - Eastern Mineral

25	0015EST								
	1004EST				0	0			Dense Fog

Saturated low levels from multiple rounds of heavy rain combining with overnight low level inversion led to widespread development of fog, with areas of dense fog.

WVZ502-504

Eastern Grant - Eastern Mineral

27	0209EST								
	0815EST				0	0			Dense Fog

Warming aloft led to low level inversion developing overnight, trapping residual low level moisture from the previous days multiple rounds of rain. This led to the development fog, with patches of dense fog.

WVZ503

Western Mineral

28	1900EST								
29	0400EST				0	0			Winter Weather

A cold front sank south across the region during the day, quickly returning during the overnight hours as a warm front. A shallow layer of cold air trapped in isolated spots of western Mineral County led to the development the freezing drizzle as the front moved north.

WVZ052

Berkeley

29	1948EST								
30	0922EST				0	0			Dense Fog

Storm Data and Unusual Weather Phenomena

December 2015

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

WEST VIRGINIA, East

WVZ502

Eastern Grant

30	0515EST								
	1015EST			0	0				Dense Fog

Moist low levels combining with light winds and clearing skies north of a warm frontal boundary resulted in widespread fog with areas of dense fog.

WVZ052

Berkeley

31	0015EST								
	0307EST			0	0				Dense Fog

Subsidence inversion trapping low level moisture led to the development of dense fog.

Storm Data and Unusual Weather Phenomena

January 2016

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

ATLANTIC, North

ANZ330

Long Island Sound East Of New Haven Ct To Port Jefferson Ny

10	1118EST				0	0			Marine Thunderstorm Wind
An approaching cold front triggered isolated showers and thunderstorms over far Eastern Long Island Sound.									

COLORADO, West

COZ021-022

Animas River Basin - Four Corners/upper Dolores River Basin

06	0100MST								
07	1200MST				0	0	0.00K	0.00K	Heavy Snow

COZ006-009-012-017-019-023

Debeque To Silt Corridor - Grand And Battlement Mesas - Grand Valley - San Juan River Basin - Southwestern San Juan Mountains - Uncompahgre Plateau And Dallas Divide - West Elk And Sawatch Mountains

06	0100MST								
07	1700MST				0	0	0.00K	0.00K	Winter Weather

A moist Pacific trough produced significant to heavy snowfall in portions of west-central and southwest Colorado.

COZ002-006-011

Central Gunnison And Uncompahgre River Basin - Central Yampa River Basin - Grand Valley

07	0300MST								
	0800MST				0	0	0.00K	0.00K	Dense Fog

Low level moisture trapped at the surface due to a recent winter storm resulted in areas of dense fog within the region.

COZ021-022

Animas River Basin - Four Corners/upper Dolores River Basin

07	2000MST								
08	1700MST				0	0	0.00K	0.00K	Heavy Snow

A moist upper low moved across the region with the center of the upper low having tracked across the Four Corners area. This storm system resulted in significant to heavy snow accumulations across southwest Colorado and some mountain areas in northwest Colorado.

COZ019

Southwestern San Juan Mountains

07	2300MST								
08	1800MST				0	0	0.00K	0.00K	Winter Weather

COZ004-023

Elkhead And Park Mountains - San Juan River Basin

08	0300MST								
	1600MST				0	0	0.00K	0.00K	Winter Weather

A moist upper low tracked across the region and resulted in significant to heavy snow accumulations mainly in portions of southwest Colorado.

COZ002-006

Central Yampa River Basin - Grand Valley

25	0600MST								
	1000MST				0	0	0.00K	0.00K	Dense Fog

Low level moisture trapped at the surface due to a recent winter storm resulted in areas of dense fog within west central Colorado.

Storm Data and Unusual Weather Phenomena

January 2016

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

CONNECTICUT, Southern

CTZ005-009>012

Northern Fairfield - Northern New Haven - Southern Fairfield - Southern Middlesex - Southern New Haven - Southern New London

23	0430EST 2145EST				0	0	0.00K	0.00K	Winter Storm
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Low pressure moving across the deep South on Thursday January 21st and Friday January 22nd intensified and moved off the Mid Atlantic coast on Saturday January 23rd, bringing heavy snow and strong winds to all of southern Connecticut, and blizzard conditions to some coastal locations.

23	0836EST 1318EST				0	0	0.00K	0.00K	Coastal Flood
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Low pressure developed along the southern mid atlantic coast on the evening of the 23rd and then rapidly intensified as it slowly tracked northeast, south of Long Island, through the night of the 24th. The resulting surge from 36 hours of gale to storm force north to northeast winds, combined with high astronomical tides, resulted in areas of minor to localized moderate coastal flooding along western Long Island Sound during the morning of January 23rd.

23	0900EST 1200EST				0	0	0.00K	0.00K	Blizzard
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CTZ007-008

Northern Middlesex - Northern New London

23	0900EST 2230EST				0	0	0.00K	0.00K	Winter Storm
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Low pressure moving across the deep South on Thursday January 21st and Friday January 22nd intensified and moved off the Mid Atlantic coast on Saturday January 23rd, bringing heavy snow and strong winds to all of southern Connecticut, and blizzard conditions to some coastal locations.

NEW YORK, Coastal

NYZ178-179

Southern Nassau - Southern Queens

10	0700EST 1100EST				0	0	0.00K	0.00K	Coastal Flood
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NYZ080

Southwest Suffolk

10	0700EST 1200EST				0	0	0.00K	0.00K	High Surf
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10	0800EST 1000EST				0	0	0.00K	0.00K	Coastal Flood
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NYZ079

Northeast Suffolk

10	0800EST 1200EST				0	0	0.00K	0.00K	High Surf
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Strong high pressure over Southeast Canada and low pressure drifting off the Mid Atlantic coast resulted in 2 days of persistent northeast winds Jan 8th and 9th. This was followed by 12 to 18 hours of east to southeast winds of 15 to 20 mph with gusts to 30 to 35 mph leading into high tides on Jan 10th. The resultant surge combined with high astronomical tides, resulted in widespread minor to moderate coastal flooding along southern and western coastal areas of Long Island and New York City on the morning of January 10th.

NYZ080

Southwest Suffolk

10	0920EST 0943EST				0	0			High Wind
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A warm front lifted to the north, allowing for high winds to mix down from aloft over portions of western Suffolk County.

Storm Data and Unusual Weather Phenomena

January 2016

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

NEW YORK, Coastal

NYZ179

Southern Nassau

23	0600EST				0	0	0.00K	0.00K	Coastal Flood
	0900EST								

NYZ079>081

Northeast Suffolk - Southeast Suffolk - Southwest Suffolk

23	0600EST				0	0	0.00K	0.00K	High Surf
24	1230EST								

NYZ071-073-176-179

Bronx - Northern Nassau - Northern Queens - Southern Nassau - Southern Westchester

23	0836EST				0	0	0.00K	0.00K	Coastal Flood
	2200EST								

NYZ080-179

Southern Nassau - Southwest Suffolk

24	0600EST				0	0	0.00K	0.00K	Coastal Flood
	1230EST								

Low pressure developed along the southern mid Atlantic coast on the evening of the 23rd and then rapidly intensified as it slowly tracked northeast, south of Long Island, through the night of the 24th. The resulting surge from 36 hours of gale to storm force north to northeast winds, combined with high astronomical tides, resulted in widespread minor to moderate coastal flooding for three consecutive tidal cycles the morning of the 23d into the morning of the 24th along the southern coastal areas of Long Island. Areas of minor to localized moderate coastal flooding occurred along Long Island Sound and East End portions of Long Island during this time period as well.

In addition, widespread dune toe erosion and localized wash overs were reported along the Atlantic Ocean facing beaches of Long Island. Fire Island was especially hard hit.

UTAH, East

UTZ028

La Sal & Abajo Mountains

05	2200MST				0	0	0.00K	0.00K	Winter Weather
07	1600MST								

UTZ022

Southeast Utah

05	2300MST				0	0	0.00K	0.00K	Heavy Snow
07	1200MST								

UTZ029

Canyonlands/natural Bridges

05	2300MST				0	0	0.00K	0.00K	Winter Weather
07	0600MST								

UTZ025

Tavaputs Plateau

06	1800MST				0	0	0.00K	0.00K	Winter Weather
07	1400MST								

A moist Pacific trough produced significant to heavy snowfall in portions of east-central and southeast Utah.

UTZ027

Grand Flat And Arches

07	0430MST				0	0	0.00K	0.00K	Dense Fog
	0600MST								

Low level moisture trapped at the surface due to a recent winter storm resulted in areas of dense fog within the region.

Storm Data and Unusual Weather Phenomena

January 2016

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

UTAH, East

UTZ022

Southeast Utah

07	1900MST								
08	1430MST				0	0	0.00K	0.00K	Heavy Snow

A moist upper low tracked across the Four Corners region and resulted in significant to heavy snow accumulations in southeast Utah.

UTZ029

Canyonlands/natural Bridges

07	1900MST								
08	0900MST				0	0	0.00K	0.00K	Winter Weather

A moist upper low moved across the region with the center of the upper low having tracked across the Four Corners area. This storm system resulted in significant to heavy snow accumulations across southeast Utah.

UTZ028

La Sal & Abajo Mountains

07	2000MST								
08	1100MST				0	0	0.00K	0.00K	Heavy Snow

A moist upper low tracked across the Four Corners region and resulted in significant to heavy snow accumulations in southeast Utah.

UTZ024

Eastern Uinta Basin

07	2000MST								
08	0230MST				0	0	0.00K	0.00K	Dense Fog

A moist disturbance passed over the region and created areas of dense fog in eastern Utah.

UTZ028

La Sal & Abajo Mountains

07	2000MST								
08	1100MST				0	0	0.00K	0.00K	Heavy Snow

A moist upper low moved across the region with the center of the upper low having tracked across the Four Corners area. This storm system resulted in significant to heavy snow accumulations across southeast Utah.

UTZ027

Grand Flat And Arches

08	0900MST								
	1000MST				0	0	0.00K	0.00K	Dense Fog

A moist disturbance passed over the region and created areas of dense fog in eastern Utah.

UTZ024

Eastern Uinta Basin

25	0500MST								
	0800MST				0	0	0.00K	0.00K	Dense Fog

Low level moisture trapped at the surface due to a recent winter storm resulted in areas of dense fog within northeast Utah.