



National Weather Service

Storm Data and Unusual Weather Phenomena



March 2001

| 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 |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

KENTUCKY, Northeast

| | | | | | | | | | |
|----------------|------------------------------------|---------|--|--|---|---|--|--|--------------|
| KYZ101>103-105 | Greenup - Carter - Boyd - Lawrence | | | | | | | | |
| | 01 | 0000EST | | | 0 | 0 | | | Prolong Cold |
| | 31 | 2300EST | | | | | | | |

The monthly average temperature across northeast Kentucky was 4 to 6 degrees colder than a normal March.

| | | | | | | | | | |
|----------------|------------------------------------|---------|--|--|---|---|--|--|------|
| KYZ101>103-105 | Greenup - Carter - Boyd - Lawrence | | | | | | | | |
| | 13 | 1630EST | | | 0 | 0 | | | Wind |
| | | 1800EST | | | | | | | |

A cold pocket of air aloft triggered instability showers in the wake of a cold frontal passage. The showers helped drag down momentum from aloft. Wind gusts of 40 to 50 mph were common.

OHIO, Southeast

| | | | | | | | | | |
|----------------------------|---|---------|--|--|---|---|--|--|------|
| OHZ066>067-075>076-083>087 | Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence | | | | | | | | |
| | 13 | 1600EST | | | 0 | 0 | | | Wind |
| | | 1800EST | | | | | | | |

A cold pocket of air aloft triggered instability showers in a wake of a cold frontal passage. The showers helped drag down momentum from aloft. Wind gusts of 40 to 50 mph were common.

VIRGINIA, Northwest

| | | | | | | | | | |
|------------|----------------------|---------|--|--|---|---|--|--|------------|
| VAZ003>004 | Dickenson - Buchanan | | | | | | | | |
| | 05 | 0100EST | | | 0 | 0 | | | Heavy Snow |
| | 06 | 2000EST | | | | | | | |

Rains on Sunday the 4th changed to snow overnight. Snow showers increased by Monday evening the 5th, as a cold pocket of air aloft moved into central Appalachians from the eastern Great Lakes. No snow was on the ground prior to the storm. Total snow depths ranged from 2 inches in the deep river valleys around Grundy, to 8 inches across the ridges. The Virginia Department of Transportation reported 4 to 8 inches in Buchanan Country. Clintwood had a snow depth of 5 inches at the end of the storm, with drifts to about a foot.

WEST VIRGINIA, West

| | | | | | | | | | |
|------------------------------------|--|---------|--|--|---|---|--|--|--------------|
| WVZ005>011-013>020-024>040-046>047 | Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph | | | | | | | | |
| | 01 | 0000EST | | | 0 | 0 | | | Prolong Cold |
| | 31 | 2300EST | | | | | | | |

The monthly average temperature was 5 to 6 degrees colder than normal. This was in sharp contrast to March 2000, which had warmer than normal temperatures. A cold snap during the last week of this month, sent temperatures into the single digits for the mountains, with teens across the lowlands. Beckley had its 9th coldest March. Huntington saw its 10th coldest March. The greening of the spring vegetation in the western river valleys was delayed.

| | | | | | | | | | |
|--------------------|--|---------|--|--|---|---|--|--|------------|
| WVZ033>040-046>047 | Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph | | | | | | | | |
| | 05 | 0100EST | | | 0 | 0 | | | Heavy Snow |
| | 06 | 2300EST | | | | | | | |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

WEST VIRGINIA, West

Rains on Sunday the 4th, changed to snow overnight, as a storm pulled east of the central Appalachians. Cold air poured in during the day on the 5th, with occasional snow showers. Accumulations were light during the daylight hours. Snow showers increased by the evening, as a strong pocket of cold air aloft dropped south from the eastern Great Lakes. The snow showers diminished 24 hours later, during Tuesday evening the 6th.

No snow was on the ground prior to the storm, even across the mountain ridges. A snow depth of 1 to 2 feet was common above 3,000 feet, with wind blown drifts of 3 to 4 feet. The mountain valleys saw 6 to 12 inches of snow accumulation. Downslope winds off of Cheat Mountain resulted in only 2 to 5 inches of snow cover across the upper Greenbrier Valley in Pocahontas County

Some specific snow depths at the end of the storm included 23 inches at Pickens and Kumbrabow State Forest, 19 inches in the mountains near Webster Springs, 15 inches in the mountains near Richwood, 14 inches at Glady, 13 inches on Arista Mountain along the Wyoming and Mercer County line, 11 inches at Elkins and Hacker Valley, 7 inches at Philippi, Mullens, and Oak Hill, and finally 6 inches at Beckley and Buckhannon.

WVZ005>011-013>020-026>032-035>040-046>047 Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

| | | | | | |
|-----------|----------------------------|----------|----------|-----------|-------------|
| 13 | 1700EST 2000EST | 0 | 0 | 3K | Wind |
|-----------|----------------------------|----------|----------|-----------|-------------|

A cold pocket of air aloft triggered instability showers in the wake of a cold frontal passage. These showers were able to drag down strong winds from a few thousand feet above the surface. Parkersburg had a gust to 46 mph at 1711E, Huntington 45 mph at 1758E, Charleston 43 mph at 1849E, Clarksburg 53 mph at 1905E, Elkins 41 mph at 1927E, and Beckley 49 mph at 1951E.

An athletic press box at Liberty High School in Raleigh County was damaged. Electric power was lost to about 6,000 customers between Parkersburg and Clarksburg.

WVZ046>047

Pocahontas - Randolph

| | | | | |
|-----------|----------------|----------|----------|-------------------|
| 20 | 1900EST | 0 | 0 | Heavy Snow |
| 21 | 0900EST | | | |

A well developed cyclonic circulation over the southeastern states on the 20th, produced an easterly upslope flow into the upper Greenbrier Valley and eastern portions of Randolph County. Snow accumulations of 3 to 7 inches were common above 2600 feet in elevation. Snowshoe had 7 inches. Bartow reported a 6 inch snow depth from the storm. Harman had a 5 inch snow cover.