



National Weather Service

Storm Data and Unusual Weather Phenomena



December 2003

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

DISTRICT OF COLUMBIA

DCZ001 **District Of Columbia**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------------|
| 04 | 1900EST | | | | 0 | 0 | |
| 05 | 1000EST | | | | | | Winter Weather/Mix |

An area of low pressure moved across the region on the 4th and 5th. This system produced light snow across the District. Snowfall totals averaged 1 to 2 inches. Several minor non-life threatening accidents were reported

DCZ001 **District Of Columbia**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------------|
| 05 | 2100EST | | | | 0 | 0 | |
| 06 | 0900EST | | | | | | Winter Weather/Mix |

A second storm developed quickly on the heels of the first winter storm. This system affected the region from the evening of the 5th through the morning of the 6th. This storm produced another 1 to 2 inches of snow across the District.

DCZ001 **District Of Columbia**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------------|
| 14 | 0300EST | | | | 0 | 0 | |
| | 1900EST | | | | | | Winter Weather/Mix |

An area of low pressure developed over the Gulf Coast region and tracked northeast into the Mid Atlantic region. The storm produced a mixture of snow, sleet and freezing rain. Snowfall totals across the District averaged 2 to 4 inches.

MARYLAND, Central

MDZ002>007-009>011 **Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------|
| 04 | 1900EST | | | | 1 | 0 | |
| 05 | 1900EST | | | | | | Winter Storm |

The first in a pair of low pressure systems moved across the region late on the 4th through midday on the 5th. This system produced 5 to 9 inches of snow across North and Central Maryland. As a result the roads were treacherous in many places. Several automobile accidents were reported. One death was recorded due to injuries from car accident. Several non-life threatening injuries were also reported across Maryland. Power outages were also reported in Allegany County.
M22VE

MDZ013>014-018 **Prince Georges - Anne Arundel - Calvert**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------------|
| 04 | 1900EST | | | | 1 | 0 | |
| 05 | 1000EST | | | | | | Winter Weather/Mix |

The first in a pair of low pressure systems tracked across the region on the 4th and 5th. This system brought light snow to portions of Lower Southern Maryland. Snow totals averaged 1 to 2 inches. Three fatalities were reported, two from shoveling snow and one from an automobile accident. Other minor, non life threatening injuries were also reported by the Emergency and Law Enforcement Officers.
M61VE

MDZ002>007-009>011 **Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore**

| | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|---------------------|
| 05 | 2100EST | | | | 0 | 0 | |
| 06 | 0900EST | | | | | | Winter Storm |

A second storm developed quickly on the heels of the first winter storm. This storm affected the region from the evening of the 5th through the morning of the 6th. The second storm produced another 5 to 6 inches of snow across North and Central Maryland



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December 2003

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

MARYLAND, Central

MDZ013>014

Prince Georges - Anne Arundel

| | | | | | |
|----|---------|---|---|--|---------------------------|
| 05 | 2100EST | 0 | 0 | | Winter Weather/Mix |
| 06 | 0900EST | | | | |

A second storm developed quickly on the heels of the first winter storm. This system affected the region from the evening of the 5th through the morning of the 6th. This produced another 1 to 3 inches of snow across Lower Southern Maryland.

MDZ003>006-009>011-013>014

Washington - Frederick - Carroll - Northern Baltimore - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel

| | | | | | |
|----|---------|---|---|--|--------------|
| 11 | 0047EST | 0 | 0 | | Flood |
| 13 | 1500EST | | | | |

An area of low pressure moved across the region and produced some heavy rainfall late the 10th and early on the 11th. This rain fell on top of snow covered grounds and led to melting. The combination of the heavy rainfall and the melting snow produced widespread road flooding of over portions of Maryland during the morning and afternoon hours. Rainfall amounts averaged 2 to 3 inches. Three water rescues were necessary in Frederick County. 40 to 50 cars had to be moved from a parking lot in a low lying area to prevent damage to the vehicles in Laurel. Several rivers and creeks also flooded. Baltimore County authorities closed a number of roads along the Patapsco River due to flooding. The River flooding persisted through the 13th. In Washington County, the Conococheague Creek at Fairview crested nearly 5 feet above flood stage, and the Antietam Creek at Sharpsburg crested 1.5 ft above flood stage at 5:30 am. In Montgomery County, The Potomac River at Little Falls crested almost a foot above flood stage, and The Seneca Creek at Dawsonville rose 2 feet above flood stage before cresting. In Frederick County, the Monocacy River at Frederick rose 6 ft above flood stage at 3 am and fell below flood stage at 2:30 pm, and the Potomac River at Point of Rocks crested 3.5 ft above flood stage on the 12th and fell below flood stage early on the 13th.

MDZ006>007-009-011-013>014-016-018

Northern Baltimore - Harford - Montgomery - Southern Baltimore - Prince Georges - Anne Arundel - Charles - Calvert

| | | | | | |
|----|---------|---|---|--|---------------------------|
| 14 | 0300EST | 0 | 0 | | Winter Weather/Mix |
| | 1900EST | | | | |

An area of low pressure developed over the Gulf Coast region and tracked northeast into the Mid Atlantic region. The storm produced a mixture of snow, sleet and freezing rain. Snowfall totals across Central and Lower Southern Maryland averaged 1 to 3 inches. Some light ice accumulations were also reported.

MDZ002>003

Allegheny - Washington

| | | | | | |
|----|---------|---|---|--|---------------------------|
| 17 | 0400EST | 0 | 0 | | Winter Weather/Mix |
| | 2000EST | | | | |

A Cold front moved through the region on the morning of the 17th. Precipitation started as a cold rain and quickly changed over to snow. Light snowfall totals ranged from 1 to 3 inches along the Allegheny front. Some of the higher elevations also reported light freezing rain.

VIRGINIA, North

VAZ021-025>031-036>042-051-053>054

Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Culpeper - Fairfax - Arlington

| | | | | | |
|----|---------|---|---|--|---------------------|
| 04 | 1900EST | 0 | 0 | | Winter Storm |
| 05 | 1000EST | | | | |

The first in a pair of low pressure systems tracked from southwest to northeast Virginia late on the 4th through midday on the 5th.



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December 2003

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

VIRGINIA, North

This system produced 5 to 10 inches of snow across North Virginia. As a result the roads were treacherous in many places because this was the first snow storm of the season. Numerous automobile accidents were reported. One fatality was documented in Winchester due to injuries from an automobile accident. However, several minor/non-life threatening injuries were also reported across Northern Virginia.

VAZ050

Orange

| | | | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|--|--|---------------------------|
| 04 | 1900EST | | | | | | | | |
| 05 | 1000EST | | | | 0 | 0 | | | Winter Weather/Mix |

The first in a pair of low pressure systems tracked from southwest to northeast Virginia late on the 4th through midday on the 5th. This system produced 5 to 10 inches of snow across the western portions of Northern Virginia. Further east snow totals for Orange county averaged 1 to 3 inches. A few automobile accidents were reported with only minor, non-life threatening injuries.

VAZ026>031-040>042-053>054

Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Rappahannock - Fauquier - Loudoun - Fairfax - Arlington

| | | | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|--|--|---------------------------|
| 05 | 2100EST | | | | | | | | |
| 06 | 0900EST | | | | 0 | 0 | | | Winter Weather/Mix |

A second storm developed quickly on the heels of the first winter storm. This storm affected the region from the evening of the 5th through the morning of the 6th. The second storm produced another 1 to 3 inches of snow across Northern Virginia.

VAZ029>030-041>042-051-053>055

Page - Warren - Fauquier - Loudoun - Culpeper - Fairfax - Arlington - Stafford

| | | | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------|
| 10 | 2347EST | | | | | | | | |
| 12 | 0900EST | | | | 0 | 0 | | | Flood |

An area of low pressure moved across the region and produced some heavy rainfall late on the 10th and early on the 11th. This rain fell on top of snow covered grounds which led to melting. The combination of the heavy rainfall and the melting snow produced widespread road flooding over Northern Virginia during the early morning hours. Rainfall amounts averaged 2 to 2.5 inches. Several rivers and creeks also flooded. Three Loudoun County rescuers became trapped while trying to rescue a horse from Goose Creek. In turn had to be rescued by the US Police Park helicopter. The River flooding continued through the 12th. In Loudoun County, Goose Creek rose 5.5 ft above bankful stage. In Fauquier County, the Rappahannock River at Remington crested around 4 ft above flood stage.

VAZ021-025>028-030>031-036>038-040>042-050>051-056

Highland - Augusta - Rockingham - Shenandoah - Frederick - Warren - Clarke - Nelson - Albemarle - Greene - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Spotsylvania

| | | | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|--|--|---------------------|
| 14 | 0300EST | | | | | | | | |
| | 0900EST | | | | 0 | 0 | | | Winter Storm |

An area of low pressure developed over the Gulf Coast region and tracked northeast into the Mid Atlantic region. The storm produced a mixture of snow, sleet and freezing rain. The event ended as a long period of freezing rain. Snowfall totals across Northern and Central Virginia ranged from 5 to 7 inches. Some areas also accumulated up to 1/4 inch of ice.

VAZ053>055-057

Fairfax - Arlington - Stafford - King George

| | | | | | | | | | |
|-----------|----------------|--|--|--|----------|----------|--|--|---------------------------|
| 14 | 0300EST | | | | | | | | |
| | 0900EST | | | | 1 | 0 | | | Winter Weather/Mix |

An area of low pressure developed over the Gulf Coast region and tracked northeast into the Mid Atlantic region. The storm produced a mixture of snow, sleet and freezing rain. Snowfall totals across Northeast Virginia averaged 3 to 4 inches. Some light ice accumulations were also reported. One death was reported in Arlington on Route 50. A woman was killed when she lost control of her car on icy roads.

F50VE



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

VIRGINIA, North

| | | | | | | | | | |
|---------------|-----------------|----------------|--|--|----------|----------|--|--|---------------------------|
| VAZ021 | Highland | | | | | | | | |
| | 17 | 0400EST | | | 0 | 0 | | | Winter Weather/Mix |
| | | 2000EST | | | | | | | |

A Cold front moved through the region on the morning of the 17th. Precipitation started as a cold rain and quickly changed over to snow. Light snowfall totals ranged from 1 to 3 inches in Highland County.

WEST VIRGINIA, East

| | | | | | | | | | |
|----------------------|--|----------------|--|--|----------|----------|--|--|---------------------|
| WVZ049>053 | Mineral - Hampshire - Morgan - Berkeley - Jefferson | | | | | | | | |
| | 04 | 1900EST | | | 0 | 0 | | | Winter Storm |
| | 05 | 1000EST | | | | | | | |

The first in a pair of low pressure systems moved across the region late on the 4th through midday on the 5th. This system produced 5 to 6 inches of snow across the Eastern Panhandle of West Virginia. As a result the roads were treacherous in many places. Several automobile accidents with non-life threatening injuries were reported across the Panhandle. Power outages were also reported in Berkeley and Jefferson Counties.

| | | | | | | | | | |
|--------------------------|----------------------------------|----------------|--|--|----------|----------|--|--|---------------------------|
| WVZ048-054>055 | Grant - Pendleton - Hardy | | | | | | | | |
| | 04 | 1900EST | | | 0 | 0 | | | Winter Weather/Mix |
| | 05 | 1000EST | | | | | | | |

The first in a pair of low pressure systems tracked across the region on the 4th and 5th. This system brought snow to the Eastern Panhandle of West Virginia. Snow totals averaged 2 to 4 inches.

| | | | | | | | | | |
|---------------|---------------|----------------|--|--|----------|----------|--|--|---------------------|
| WVZ051 | Morgan | | | | | | | | |
| | 05 | 2100EST | | | 0 | 0 | | | Winter Storm |
| | 06 | 0900EST | | | | | | | |

A second storm developed quickly on the heels of the first winter storm. This system affected the region from the evening of the 5th through the morning of the 6th. This produced another 6 inches of snow in Morgan County.

| | | | | | | | | | |
|----------------------|--------------------------------------|----------------|--|--|----------|----------|--|--|--------------|
| WVZ050>052 | Hampshire - Morgan - Berkeley | | | | | | | | |
| | 11 | 0500EST | | | 0 | 0 | | | Flood |
| | 12 | 2300EST | | | | | | | |

An area of low pressure moved across the region and produced some heavy rainfall late on the 10th and early on the 11th. This rain fell on top of snow covered grounds and led to melting. The combination of the heavy rainfall and the melting snow produced widespread flooding of roads, rivers and creeks over portions of the Eastern West Virginia Panhandle. Rainfall amounts averaged 2 to 2.5 inches. Three water rescues were necessary in Berkeley County. The River flooding persisted through the 12th. In Berkeley County, the Opequon Creek at Martinsburg rose almost 3 ft above flood stage. In Jefferson County, the Potomac River at Shepherdstown crested at 3.25 ft above flood stage.

| | | | | | | | | | |
|---------------------------------|--|----------------|--|--|----------|----------|--|--|---------------------|
| WVZ048>052-054>055 | Grant - Mineral - Hampshire - Morgan - Berkeley - Pendleton - Hardy | | | | | | | | |
| | 14 | 0300EST | | | 0 | 0 | | | Winter Storm |
| | | 1900EST | | | | | | | |

An area of low pressure developed over the Gulf Coast region and tracked northeast into the Mid Atlantic region. The storm produced a mixture of snow, sleet and freezing rain. The event ended as a long period of freezing rain. Snowfall totals across the Panhandle ranged from 5 to 8 inches. Some areas also accumulated up to 1/4 inch of ice.



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

WEST VIRGINIA, East

WVZ048>050-054

Grant - Mineral - Hampshire - Pendleton

| | | | | | | | | | |
|-----------|----------------------------|--|--|--|----------|----------|--|--|---------------------------|
| 17 | 0400EST 2000EST | | | | 0 | 0 | | | Winter Weather/Mix |
|-----------|----------------------------|--|--|--|----------|----------|--|--|---------------------------|

A Cold front moved through the region on the morning of the 17th. Precipitation started as a cold rain and quickly changed over to snow. Light snowfall totals ranged from 1 to 3 inches along the Allegheny front. Some of the higher elevations also reported light freezing rain. Parts of Route 50 and Route 28 were closed due to icy conditions