

## Storm Data and Unusual Weather Phenomena - January 2021

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

### DISTRICT OF COLUMBIA

#### (DC-Z001) DISTRICT OF COLUMBIA

|  |                    |   |                |
|--|--------------------|---|----------------|
|  | 01/25/21 16:00 EST | 0 | Winter Weather |
|  | 01/26/21 09:00 EST | 0 |                |

Low pressure tracked through the Ohio Valley. Warmer air aloft overran colder air in place that was associated with high pressure over New England, resulting in freezing rain. Ice accumulations were less than a tenth of an inch before precipitation changed to rain.

#### (DC-Z001) DISTRICT OF COLUMBIA

|  |                    |   |                |
|--|--------------------|---|----------------|
|  | 01/31/21 00:00 EST | 0 | Winter Weather |
|  | 01/31/21 23:59 EST | 0 |                |

Closed low pressure slowly tracked into the Ohio Valley on the 31st before transferring its energy to low pressure off the Mid-Atlantic Coast on the 1st of February. The coastal low slowly tracked northeast while intensifying through midday on February the 2nd.

Snow overspread the area on the 31st of January ahead of the first low. Drier air and warmer air moved in aloft, causing snow to change to a light wintry mix on the night of the 31st into the 1st. However, another period of snow developed as the coastal low strengthened to the east later on the 1st and that continued into the 2nd.

Total snowfall accumulations were around 3 to 5 inches and ice accumulation was around one-tenth of an inch.

### MARYLAND, Central

#### (MD-Z001) GARRETT, (MD-Z501) EXTREME WESTERN ALLEGANY

|  |                    |   |              |
|--|--------------------|---|--------------|
|  | 01/01/21 10:00 EST | 0 | Winter Storm |
|  | 01/01/21 23:00 EST | 0 |              |

#### (MD-Z004) FREDERICK, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

|  |                    |   |                |
|--|--------------------|---|----------------|
|  | 01/01/21 10:00 EST | 0 | Winter Weather |
|  | 01/01/21 23:00 EST | 0 |                |

Low pressure tracked through the Ohio Valley and toward the Great Lakes. Warmer air aloft overran colder air in place associated with high pressure over New England, resulting in some freezing rain. Ice accumulations ranged from a trace to around a tenth of an inch, over the higher elevations in central Maryland, and around a quarter inch in the Allegheny Highlands.

#### (MD-Z001) GARRETT, (MD-Z501) EXTREME WESTERN ALLEGANY

|  |                    |   |                |
|--|--------------------|---|----------------|
|  | 01/03/21 02:00 EST | 0 | Winter Weather |
|  | 01/03/21 12:00 EST | 0 |                |

Low pressure tracked to our west and transferred its energy to a weak coastal low. Most places received rain, but there was a thin layer of cold air that caused rain to freeze in the higher elevations, with ice accumulation around a tenth of an inch in Garrett and western Allegany Counties.

#### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK

|  |                    |   |           |
|--|--------------------|---|-----------|
|  | 01/03/21 23:00 EST | 0 | Dense Fog |
|  | 01/04/21 06:00 EST | 0 |           |

Light winds and residual moisture allowed dense fog to form late on the night of January 3rd. The fog dissipated early on January 4th.

#### (MD-Z502) CENTRAL AND EASTERN ALLEGANY

|  |                    |   |           |
|--|--------------------|---|-----------|
|  | 01/15/21 23:00 EST | 0 | Dense Fog |
|  | 01/16/21 08:00 EST | 0 |           |

Light winds and residual moisture allowed fog to develop late on the night of January 15th. The fog dissipated early on January 16th.

#### (MD-Z001) GARRETT

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| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
|          | 01/16/21 17:00 EST |                   | 0                   | Winter Weather         |
|          | 01/17/21 09:00 EST |                   | 0                   |                        |

A cold front passed through, and cold air picked up moisture before flowing over the mountains. This resulted in upslope snow with accumulations around 3 to 5 inches along and west of the Allegheny Front.

### (MD-Z001) GARRETT

|  |                    |  |   |              |
|--|--------------------|--|---|--------------|
|  | 01/20/21 01:00 EST |  | 0 | Winter Storm |
|  | 01/20/21 12:00 EST |  | 0 |              |

A potent cold front passed through western Maryland during the early morning hours of the 20th. Strong cold advection and moisture from the Great Lakes led to an unstable atmosphere, and when combined with an upslope flow this led to a burst of heavy snow in western Maryland. Snowfall amounts around 4 to 8 inches were reported in Garrett County, and much of that fell in a short period of time.

### (MD-Z001) GARRETT

|  |                    |  |   |              |
|--|--------------------|--|---|--------------|
|  | 01/25/21 16:00 EST |  | 0 | Winter Storm |
|  | 01/26/21 12:00 EST |  | 0 |              |

### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z008) CECIL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

|  |                    |  |   |                |
|--|--------------------|--|---|----------------|
|  | 01/25/21 16:00 EST |  | 0 | Winter Weather |
|  | 01/26/21 09:00 EST |  | 0 |                |

Low pressure tracked through the Ohio Valley. Warmer air aloft overran colder air in place that was associated with high pressure over New England, resulting in freezing rain. Ice accumulations ranged from less than a tenth of an inch along and east of Interstate 95, to around one to two tenths of an inch west of Interstate 95, to around a quarter inch in western Maryland.

### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD

|  |                    |  |   |           |
|--|--------------------|--|---|-----------|
|  | 01/26/21 20:00 EST |  | 0 | Dense Fog |
|  | 01/27/21 09:00 EST |  | 0 |           |

Light winds and residual moisture allowed fog to develop in the evening of January 26th. The fog dissipated early on January 27th.

### (MD-Z008) CECIL, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z508) SOUTHEAST HARFORD

|  |                    |  |   |                |
|--|--------------------|--|---|----------------|
|  | 01/31/21 00:00 EST |  | 0 | Winter Weather |
|  | 01/31/21 23:59 EST |  | 0 |                |

### (MD-Z001) GARRETT, (MD-Z003) WASHINGTON, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

|  |                    |  |   |              |
|--|--------------------|--|---|--------------|
|  | 01/31/21 04:00 EST |  | 0 | Winter Storm |
|  | 01/31/21 23:59 EST |  | 0 |              |

Closed low pressure slowly tracked into the Ohio Valley on the 31st before transferring its energy to low pressure off the Mid-Atlantic Coast on the 1st of February. The coastal low slowly tracked northeast while intensifying through midday on February the 2nd.

Snow overspread the area on the 31st of January ahead of the first low. Drier air and warmer air moved in aloft, causing snow to change to a light wintry mix on the night of the 31st into the 1st. However, another period of snow developed as the coastal low strengthened to the east later on the 1st and that continued into the 2nd.

Total snowfall accumulations ranged from around 1 to 3 inches in southern Maryland, to around 3 to 5 inches around Interstate 95, to around 6 to 12 inches west of Interstate 95, with locally 12 to 20 inches in the higher elevations of western Maryland as well as the Catocctin Mountains. Ice accumulation from freezing rain averaged around a tenth to a quarter inch east of the Catocctin Mountains.

## Storm Data and Unusual Weather Phenomena - January 2021

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details |
|---|--------------------|----------------------|------------------------|------------------------|
| <b>(VA-Z031) CLARKE</b>   |                    |                      |                        |                        |
|   | 01/01/21 10:00 EST |                      | 0                      | Winter Weather         |
|   | 01/01/21 23:00 EST |                      | 0                      |                        |
| <b>(VA-Z507) NORTHERN VIRGINIA BLUE RIDGE</b>   |                    |                      |                        |                        |
|   | 01/01/21 10:00 EST |                      | 0                      | Winter Storm           |
|   | 01/01/21 23:00 EST |                      | 0                      |                        |
| <p>Low pressure tracked through the Ohio Valley and toward the Great Lakes. Warmer air aloft overran colder air in place associated with high pressure over New England, resulting in some freezing rain. Ice accumulations around a quarter inch were estimated on the ridge tops of the Blue Ridge Mountains based on observations nearby.</p>  |                    |                      |                        |                        |
| <b>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z028) FREDERICK, (VA-Z031) CLARKE</b>   |                    |                      |                        |                        |
|   | 01/03/21 23:00 EST |                      | 0                      | Dense Fog              |
|   | 01/04/21 06:00 EST |                      | 0                      |                        |
| <p>Light winds and residual moisture allowed dense fog to form late on the night of January 3rd. The fog dissipated early on January 4th.</p>   |                    |                      |                        |                        |
| <b>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z504) EASTERN HIGHLAND</b>  |                    |                      |                        |                        |
|   | 01/15/21 23:00 EST |                      | 0                      | Dense Fog              |
|   | 01/16/21 08:00 EST |                      | 0                      |                        |
| <p>Light winds and residual moisture allowed fog to develop late on the night of January 15th. The fog dissipated early on January 16th.</p>  |                    |                      |                        |                        |
| <b>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN</b>   |                    |                      |                        |                        |
|   | 01/25/21 16:00 EST |                      | 0                      | Winter Weather         |
|   | 01/26/21 09:00 EST |                      | 0                      |                        |
| <b>(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE</b>  |                    |                      |                        |                        |
|   | 01/25/21 16:00 EST |                      | 0                      | Winter Storm           |
|   | 01/26/21 09:00 EST |                      | 0                      |                        |
| <p>Low pressure tracked through the Ohio Valley. Warmer air aloft overran colder air in place that was associated with high pressure over New England, resulting in freezing rain. Ice accumulations ranged from less than a tenth of an inch along and east of Interstate 95, to around one to two tenths of an inch west of Interstate 95, to around a quarter inch in the higher elevations of the Blue Ridge Mountains.</p> |                    |                      |                        |                        |
| <b>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN</b>                         |                    |                      |                        |                        |
|   | 01/26/21 20:00 EST |                      | 0                      | Dense Fog              |
|   | 01/27/21 09:00 EST |                      | 0                      |                        |
| <p>Light winds and residual moisture allowed fog to develop in the evening of January 26th. The fog dissipated early on January 27th.</p>   |                    |                      |                        |                        |
| <b>(VA-Z503) WESTERN HIGHLAND</b>   |                    |                      |                        |                        |
|   | 01/29/21 04:00 EST |                      | 0                      | Cold/Wind Chill        |
|   | 01/29/21 10:00 EST |                      | 0                      |                        |
| <p>Gusty northwest winds combined with cold air to cause wind chills around ten degrees below zero over western Highland County in Virginia.</p>  |                    |                      |                        |                        |
| <b>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN,</b>   |                    |                      |                        |                        |

## Storm Data and Unusual Weather Phenomena - January 2021

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details |
|---|--------------------|----------------------|------------------------|------------------------|
| <b>(VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE</b>  |                    |                      |                        |                        |
|   | 01/31/21 01:00 EST |                      | 0                      | Winter Storm           |
|   | 01/31/21 23:59 EST |                      | 0                      |                        |
| <b>(VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z506) EASTERN LOUDOUN</b>   |                    |                      |                        |                        |
|   | 01/31/21 04:00 EST |                      | 0                      | Winter Weather         |
|   | 01/31/21 23:59 EST |                      | 0                      |                        |
| <p>Closed low pressure slowly tracked into the Ohio Valley on the 31st before transferring its energy to low pressure off the Mid-Atlantic Coast on the 1st of February. The coastal low slowly tracked northeast while intensifying through midday on February the 2nd.</p> <p>Snow overspread the area on the 31st of January ahead of the first low. Drier air and warmer air moved in aloft, causing snow to change to a light wintry mix on the night of the 31st into the 1st. However, another period of snow developed as the coastal low strengthened to the east later on the 1st and that continued into the 2nd.</p> <p>Total snowfall accumulations ranged from 3 to 5 inches around Interstate 95, to around 4 to 8 inches over central Virginia into the central Shenandoah Valley, to around 8 to 16 inches across the northern Shenandoah Valley. Ice accumulation was around a tenth of an inch east of the Blue Ridge Mountains.</p> |                    |                      |                        |                        |

### WEST VIRGINIA, East

|   |                    |  |   |                |
|---|--------------------|--|---|----------------|
| <b>(WV-Z052) BERKELEY, (WV-Z504) EASTERN MINERAL</b>  |                    |  |   |                |
|   | 01/01/21 10:00 EST |  | 0 | Winter Weather |
|   | 01/01/21 23:00 EST |  | 0 |                |
| <b>(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL</b>   |                    |  |   |                |
|   | 01/01/21 10:00 EST |  | 0 | Winter Storm   |
|   | 01/01/21 23:00 EST |  | 0 |                |
| <p>Low pressure tracked through the Ohio Valley and toward the Great Lakes. Warmer air aloft overran colder air in place associated with high pressure over New England, resulting in some freezing rain. Ice accumulations around a quarter inch were estimated over the Allegheny Highlands of western Mineral and western Grant Counties based on observations nearby.</p> |                    |  |   |                |
| <b>(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>  |                    |  |   |                |
|   | 01/03/21 23:00 EST |  | 0 | Dense Fog      |
|   | 01/04/21 06:00 EST |  | 0 |                |
| <p>Light winds and residual moisture allowed dense fog to form late on the night of January 3rd. The fog dissipated early on January 4th.</p>   |                    |  |   |                |
| <b>(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL</b>   |                    |  |   |                |
|   | 01/15/21 23:00 EST |  | 0 | Dense Fog      |
|   | 01/16/21 08:00 EST |  | 0 |                |
| <p>Light winds and residual moisture allowed fog to develop late on the night of January 15th. The fog dissipated early on January 16th.</p>  |                    |  |   |                |
| <b>(WV-Z505) WESTERN PENDLETON</b>  |                    |  |   |                |
|   | 01/16/21 17:00 EST |  | 0 | Winter Weather |
|   | 01/17/21 09:00 EST |  | 0 |                |
| <p>A cold front passed through, and cold air picked up moisture before flowing over the mountains. This resulted in upslope snow with accumulations around 3 to 5 inches along and west of the Allegheny Front.</p>   |                    |  |   |                |
| <b>(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>  |                    |  |   |                |
|   | 01/25/21 16:00 EST |  | 0 | Winter Weather |
|   | 01/26/21 09:00 EST |  | 0 |                |
| <b>(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON</b>   |                    |  |   |                |

## Storm Data and Unusual Weather Phenomena - January 2021

| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
|          | 01/25/21 16:00 EST |                   | 0                   | Winter Storm           |
|          | 01/26/21 12:00 EST |                   | 0                   |                        |

Low pressure tracked through the Ohio Valley. Warmer air aloft overran colder air in place that was associated with high pressure over New England, resulting in freezing rain. Ice accumulations ranged from one to two tenths of an inch for most areas with around a quarter inch in the Allegheny Highlands.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

|                    |   |           |
|--------------------|---|-----------|
| 01/26/21 20:00 EST | 0 | Dense Fog |
| 01/27/21 09:00 EST | 0 |           |

Light winds and residual moisture allowed fog to develop in the evening of January 26th. The fog dissipated early on January 27th.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

|                    |   |                 |
|--------------------|---|-----------------|
| 01/29/21 04:00 EST | 0 | Cold/Wind Chill |
| 01/29/21 10:00 EST | 0 |                 |

Gusty northwest winds combined with cold air to cause wind chills around ten degrees below zero over the Allegheny Highlands of West Virginia.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

|                    |   |              |
|--------------------|---|--------------|
| 01/31/21 01:00 EST | 0 | Winter Storm |
| 01/31/21 23:59 EST | 0 |              |

Closed low pressure slowly tracked into the Ohio Valley on the 31st before transferring its energy to low pressure off the Mid-Atlantic Coast on the 1st of February. The coastal low slowly tracked northeast while intensifying through midday on February the 2nd.

Snow overspread the area on the 31st of January ahead of the first low. Drier and warmer air moved in aloft on the night of the 31st into the 1st causing snowfall rates to decrease while mixing with light sleet. However, another period of snow developed as the coastal low strengthened to the east later on the 1st and that continued into the 2nd.

Total snowfall accumulations ranged from around 6 to 12 inches for most areas, with locally around 12 to 18 inches across portions of the eastern West Virginia Panhandle into Hardy and Mineral Counties.