

Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]				
	01/01/22 20:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/01/22 20:54 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the NOS sensor at the I-695 Francis Scott Key Bridge (FSKM2).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]				
	01/01/22 21:07 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	01/01/22 21:07 EST		0	Source: Broadcast Media
A wind gust of 38 knots (44 MPH) was measured by the Hart Miller WeatherFlow sensor (XHRT).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.21, -76.24]				
	01/01/22 21:18 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	01/01/22 21:18 EST		0	Source: Broadcast Media
A wind gust of 42 knots (48 MPH) was measured by the Tolchester Beach NOS sensor (TCBM2).				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]				
	01/01/22 21:21 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/01/22 21:21 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Grove Point WeatherFlow sensor (XGVP).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 1.1 NW (KW29)BAY BRIDGE AIRPORT [38.99, -76.34]				
	01/01/22 21:23 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	01/01/22 21:23 EST		0	Source: Mesonet
A wind gust of 36 knots (41 mph) was measured by a mesonet on the westbound span of the US-50/US-301 Chesapeake Bay Bridge (MD065).				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT (RAC) [38.14, -75.79]				
	01/01/22 22:18 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	01/01/22 22:18 EST		0	Source: Buoy
A wind gust of 41 knots (47 MPH) was measured by the Raccoon Point WeatherFlow sensor (XRAC).				
A squall produced gale-force wind gusts over portions of the Chesapeake Bay during the evening hours.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]				
	01/16/22 21:12 EST		0	Marine Thunderstorm Wind (MG 52 kt)
	01/16/22 21:48 EST		0	Source: Buoy
Wind gusts of up to 52 knots (60 MPH) were measured by the Lower Potomac/Point Lookout CBIBS sensor (44042).				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD CG (CRS) [37.97, -75.88]				
	01/16/22 21:50 EST		0	Marine Thunderstorm Wind (EG 48 kt)
	01/16/22 21:50 EST		0	Source: Buoy
A squall produced an estimated wind gust to 48 knots (55 MPH) near the Crisfield WeatherFlow Sensor (XCRS).				
A strong area of low pressure produced squalls that resulted in brief storm-force wind gusts.				

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/03/22 03:00 EST		0	Winter Storm
	01/03/22 14:00 EST		0	

Low pressure tracked along a cold front and intensified while doing so, bringing a period of snow to Washington DC. Snowfall was locally heavy, and it totaled up to around 6 to 10 inches.

(DC-Z001) DISTRICT OF COLUMBIA

	01/06/22 22:00 EST		0	Winter Weather
	01/07/22 04:00 EST		0	

A wave of low pressure tracked through the area, bringing some snow with it. Snowfall totaled around two to four inches.

(DC-Z001) DISTRICT OF COLUMBIA

	01/16/22 13:00 EST		0	Winter Weather
	01/17/22 00:00 EST		0	

Low pressure developed over the southeastern CONUS while high pressure to the north supplied cold air to start. Precipitation started as snow, but warmer air worked its way in from the Atlantic, causing precipitation to change to ice and eventually rain. Snowfall amounts totaled around 1 to 3 inches with ice accumulation from freezing rain less than a tenth of an inch.

(DC-Z001) DISTRICT OF COLUMBIA

	01/28/22 15:00 EST		0	Winter Weather
	01/29/22 00:00 EST		0	

An upper-level disturbance triggered a period of snow during the afternoon and evening of the 28th. Snowfall totaled up to an inch.

MARYLAND, Central

(MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z008) CECIL, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD

	01/03/22 03:00 EST		0	Winter Weather
	01/03/22 13:00 EST		0	

(MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD

	01/03/22 03:00 EST		0	Winter Storm
	01/03/22 15:00 EST		0	

Low pressure tracked along a cold front and intensified while doing so, bringing a period of snow to portions of Maryland. The heaviest snow fell across the southern portion of the state, closer to the low. However, accumulating snow occurred across central Maryland as well. Snowfall totaled up to 1 to 3 inches west of Interstate 95 and south of US 70, and also around Interstate 95 in northeast Maryland through Cecil County. Snowfall totaled around 3 to 6 inches near Interstate 95 from Washington DC to Baltimore, and 6 to 12 inches east of Interstate 95 in southern Maryland. There were localized amounts just over 12 inches in portions of southern Maryland as well.

(MD-Z001) GARRETT, (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z507) NORTHWEST HARFORD

	01/06/22 16:00 EST		0	Winter Storm
	01/07/22 06:00 EST		0	

(MD-Z008) CECIL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z508) SOUTHEAST HARFORD

	01/06/22 22:00 EST		0	Winter Weather
	01/07/22 04:00 EST		0	

A wave of low pressure tracked through the area, bringing some snow with it. Snowfall ranged from around an inch in extreme southern Maryland, to around two to 4 inches near Interstate 95, with 4 to 6 inches west of Interstate 95 over northern and central Maryland.

(MD-Z001) GARRETT, (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE,

Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (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				
	01/09/22 06:00 EST		0	Winter Weather
	01/09/22 10:00 EST		0	
<p>Warm advection associated with a warm front caused light freezing rain across northern and western Maryland, before warmer air eventually worked its way in causing a change over to rain. Ice accumulations were light for most areas with a glaze on elevated surfaces. However, cold air hung on a while longer in western Maryland on the eastern slopes of the Allegheny Front, where ice amounts around a tenth to a quarter inch were reported.</p>				
(MD-Z001) GARRETT, (MD-Z004) FREDERICK, (MD-Z501) EXTREME WESTERN ALLEGANY				
	01/16/22 13:00 EST		0	Winter Storm
	01/18/22 00:00 EST		0	
(MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z008) CECIL, (MD-Z011) SOUTHERN BALTIMORE, (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				
	01/16/22 13:00 EST		0	Winter Weather
	01/17/22 00:00 EST		0	
<p>Low pressure developed over the southeastern CONUS while high pressure to the north supplied cold air to start. Precipitation started as snow, but warmer air worked its way in from the Atlantic, causing precipitation to change to ice and even rain across portions of central and eastern Maryland. Snow on the back side of the system impacted the Allegheny Highlands through the 17th. Snowfall amounts ranged from around 1 to 3 inches near and east of Interstate 95 with 2 to 4 inches west of Interstate 95 to the Catoclin Mountains. Snowfall totaled to around 4 to 8 inches across western Maryland around Interstate 81 with snowfall totals around 12 to 16 inches in the mountains.</p> <p>Ice accumulation from freezing rain range from less than a tenth of an inch around the Baltimore and Washington areas with around one to two tenths of an inch across northern and western Maryland around Interstate 81. Localized amounts around a quarter inch were reported in Frederick County.</p>				
CALVERT COUNTY --- 1.0 SSW DARES BEACH [38.56, -76.52]				
	01/16/22 22:50 EST		2K	Thunderstorm Wind (EG 50 kt)
	01/16/22 22:50 EST		0	Source: 911 Call Center
A tree blew down onto power lines near the intersection of MD-768 Goldstein Road and MD-402 Dares Beach Road.				
CALVERT COUNTY --- 0.9 ESE DUNKIRK [38.72, -76.65]				
	01/16/22 23:04 EST		1K	Thunderstorm Wind (EG 50 kt)
	01/16/22 23:04 EST		0	Source: 911 Call Center
A tree blew down in the 9900 block of Jonathan Drive.				
A squall resulted in localized wind damage along the western shore of the Chesapeake Bay.				
(MD-Z001) GARRETT				
	01/22/22 12:00 EST		0	Winter Weather
	01/23/22 00:00 EST		0	
Cold air picked up moisture from the Great Lakes and that led to some snow along and west of the Allegheny Front. Snowfall totaled up to 3 inches over the higher elevations.				
(MD-Z001) GARRETT				
	01/24/22 17:00 EST		0	Winter Weather
	01/25/22 09:00 EST		0	
Cold air picked up moisture from the Great Lakes and that led to some snow along and west of the Allegheny Front. Snowfall totaled out up to around 2 to 4 inches near and west of Keyzers Ridge.				
(MD-Z001) GARRETT, (MD-Z004) FREDERICK, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND				

Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD				
	01/28/22 15:00 EST		0	Winter Weather
	01/29/22 07:00 EST		0	

An upper-level disturbance triggered a period of snow during the afternoon and evening of the 28th. Coastal low pressure developed offshore, and this brought more snow to locations near the Bay overnight. Snowfall totaled from around an inch west of Interstate 95 into central Maryland with 1 to 3 inches near the Bay. Localized amounts of 3 to 6 inches were reported across southern St Marys and southern Calvert Counties.

VIRGINIA, North

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (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-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	01/03/22 03:00 EST		0	Winter Storm
	01/03/22 14:00 EST		0	

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN				
	01/03/22 03:00 EST		0	Winter Weather
	01/03/22 13:00 EST		0	

Low pressure tracked along a cold front and intensified while doing so, bringing a period of snow to most of northern and central Virginia. The heaviest snow fell across the Virginia Piedmont around the Fredericksburg Metropolitan area. Snowfall totaled up to 1 to 3 inches across extreme northern Virginia, 3 to 6 inches around the Washington Metropolitan area, and 6 to 12 inches across central Virginia into the Virginia Piedmont, including the Fredericksburg Metropolitan area. There were localized amounts just over 12 inches in portions of the Fredericksburg Metropolitan area.

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	01/06/22 16:00 EST		0	Winter Storm
	01/07/22 06:00 EST		0	

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (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				
	01/06/22 21:00 EST		0	Winter Weather
	01/07/22 04:00 EST		0	

A wave of low pressure tracked through the area, bringing some snow with it. Snowfall ranged from around two to 4 inches across central Virginia and around Interstate 95 in northern Virginia, with 4 to 6 inches across extreme northern Virginia.

(VA-Z028) FREDERICK, (VA-Z031) CLARKE, (VA-Z053) FAIRFAX, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN				
	01/09/22 06:00 EST		0	Winter Weather
	01/09/22 10:00 EST		0	

Warm advection associated with a warm front caused light freezing rain across northern Virginia before warmer air eventually worked its way in causing a change over to rain. Ice accumulations were light for most areas with a glaze on elevated surfaces.

(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-Z039) MADISON, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	01/16/22 11:00 EST		0	Winter Storm
	01/18/22 00:00 EST		0	

(VA-Z050) ORANGE, (VA-Z051) CULPEPER, (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-Z505) WESTERN				
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Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LOUDOUN, (VA-Z506) EASTERN LOUDOUN				
	01/16/22 11:00 EST		0	Winter Weather
	01/17/22 00:00 EST		0	

Low pressure developed over the southeastern CONUS while high pressure to the north supplied cold air to start. Precipitation started as snow, but warmer air worked its way in from the Atlantic, causing precipitation to change to ice and even rain for many locations east of the Blue Ridge Mountains. Snowfall amounts ranged from around 2 to 4 inches east of the Blue Ridge with 4 to 8 inches for most areas west of the Blue Ridge.

Ice accumulation from freezing rain was around or less than a tenth of an inch east of the Blue Ridge Mountains with one to two tenths of an inch west of the Blue Ridge Mountains to around Interstate 81.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (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-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	01/28/22 15:00 EST		0	Winter Weather
	01/29/22 00:00 EST		0	

An upper-level disturbance triggered a period of snow during the afternoon and evening of the 28th. Snowfall totaled around an inch in northern Virginia with 1 to 2 inches in the Shenandoah Valley as well as central Virginia. Snowfall amounts around 3 inches were reported in the Blue Ridge Mountains.

WEST VIRGINIA, East

(WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z506) EASTERN PENDLETON				
	01/03/22 03:00 EST		0	Winter Weather
	01/03/22 11:00 EST		0	

Low pressure tracking along a cold front triggered a period of snow across portions of eastern West Virginia. Snowfall accumulations around 2 to 4 inches occurred across portions of the Potomac Highlands in West Virginia as well as Jefferson County. However, little to no snow fell farther north across the rest of the eastern Panhandle 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				
	01/06/22 16:00 EST		0	Winter Storm
	01/07/22 03:00 EST		0	

A wave of low pressure tracked through the area, bringing some snow with it. Snowfall ranged from around three to six inches across the eastern Panhandle and Potomac Highlands.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z506) EASTERN PENDLETON				
	01/09/22 06:00 EST		0	Winter Weather
	01/09/22 10:00 EST		0	

Warm advection associated with a warm front caused light freezing rain across eastern West Virginia before warmer air eventually worked its way in causing a change over to rain. Ice accumulations were light for most areas with a glaze on elevated surfaces.

(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				
	01/16/22 11:00 EST		0	Winter Storm
	01/18/22 00:00 EST		0	

Low pressure developed over the southeastern CONUS while high pressure to the north supplied cold air to start. Precipitation started as snow, but warmer air worked its way in from the Atlantic, causing precipitation to change to ice near and east of Interstate 81. Snowfall amounts ranged from around 4 to 8 inches near Interstate 81 as well as the Potomac Highlands with totals around 8 to 12 inches in the Allegheny Highlands.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Ice accumulation from freezing rain was around one to two tenths of an inch around Interstate 81 into the Potomac Highlands.

(WV-Z501) WESTERN GRANT

01/22/22 12:00 EST	0	Winter Weather
01/23/22 00:00 EST	0	

Cold air picked up moisture from the Great Lakes and that led to some snow along and west of the Allegheny Front. Snowfall totaled to around 3 inches over the higher elevations.