

# Weather of 2007

## *Another Warm Year, Below Normal Precipitation, Late Season Snows, Scattered Severe Storms*

2007 goes in the record books as another very warm year, but not as warm as the record-setting 2006. The year featured some severe weather, particularly in June, and some nasty ice storms in December.

The first half of January was unseasonably mild, with several record highs set. Three days reached the 60s, and only one day failed to reach 40 or higher through the 15<sup>th</sup>. However, the second half of January was much more seasonable, with most days in the 30s. Precipitation was scant, with only 1.29" falling through the month, and only 3.5" of snowfall. 2" of snow fell on the 21<sup>st</sup>.

Arctic weather invaded the area for much of February – a major turnaround from the record warmth earlier in the season. After the 2<sup>nd</sup> warmest December in 2006, February 2007 was the 5<sup>th</sup> coldest on record with a mean temperature of 27.1 F. The mean max of 34.3 was 3<sup>rd</sup> coldest on record. The 5<sup>th</sup> was particularly cold, with a low of 3 and a high of only 15. 2.3" of fluffy snow fell from an Alberta Clipper on the 6<sup>th</sup>-7<sup>th</sup>. A major winter storm brought 5.5" of snow and ice on the 13<sup>th</sup>-14<sup>th</sup> and 1.25" of precipitation. Another winter storm brought 4.5" of snow and ice on the 25<sup>th</sup>.

March was an active month with wildly variable temperatures that ranged from a balmy 80 to a frigid 9. Two winter storms brought heavy snows to the area. The first was an Alberta Clipper, which dumped 8.3" of snow on the 7<sup>th</sup>. A low of 2 was recorded by a nearby observer on the 8<sup>th</sup>; here, we reached 9. A strong coastal storm brought another 6.8" of snow on the 16<sup>th</sup>. Temperatures warmed within a week, with an inch of rain falling on the 23<sup>rd</sup>-24<sup>th</sup>. Temperatures reached a warm 80 on the 27<sup>th</sup>.

April was another active month. A cold front on the 4<sup>th</sup> ushered in sub-freezing temperatures, snow flurries and howling winds. The 5<sup>th</sup>-8<sup>th</sup> all had highs only in the 30s. For the 3<sup>rd</sup> consecutive month, a major mid-month storm brought heavy precipitation. 1.92" rain fell on the 14<sup>th</sup>-16<sup>th</sup>, with heavy mountain snows on the 16<sup>th</sup>. The storm also brought fierce winds to the area, gusting over 50 on mountain ridges.

May brought a dramatic warm-up with a major lack of rainfall. The statistically wettest month of the year was the driest in 2007. A paltry 0.87" of rain fell all month, the second driest May on record.

June was highlighted by warm temperatures and scattered strong to severe thunderstorms. The worst of the storms were just east of this station. Strong storms dropped heavy rains on the afternoons of the 1<sup>st</sup> and 2<sup>nd</sup>. Late evening on the 12<sup>th</sup>, a series of ferocious storms moved in from the northeast and hammered the entire county with heavy rain, severe lightning, hail and damaging winds. Winds gusted over 40 mph at this station. The hardest hit area was near Flintstone, where several funnel clouds and numerous downed trees were reported. The following evening (13<sup>th</sup>), another severe storm hit Cumberland with golf ball sized-hail, downed trees, and flash flooding. Another severe storm hit Cumberland on the 18<sup>th</sup> with heavy rain, hail and damaging winds. The storm was so localized, however, that no rain fell here.

July brought slightly cooler and drier than average conditions.. There were a few scattered strong to severe storms, mainly near the end of the month. On the 25<sup>th</sup>, a severe storm brought hail, strong wind and nearly an inch of rain to our station, with wind damage reported on the west side of Cumberland. Torrential rains from training thunderstorms just to our east brought flash flooding to the Oldtown area, where nearly 7.5 inches of monthly rainfall was recorded by an automated gauge.

August was another warm, humid month with numerous showers and thunderstorms. Precipitation finally returned to above normal; this was the wettest August since 1990 with 5.56" recorded. 2.98" of rain fell from the 19<sup>th</sup>-22<sup>nd</sup> from a quasi-stationary front combined with remnants of Tropical Storm Erin.

September was much like May, with unseasonably warm temperatures and an abrupt absence of clouds and rain. Only 5 days had measurable rainfall. A few heavier showers and storms hit the area on the 10<sup>th</sup>-11<sup>th</sup>, 14<sup>th</sup> and 27<sup>th</sup>, but overall it was a warm, quiet month.

October was exceptionally warm. Temperatures reached the 80s on the 6<sup>th</sup>-9<sup>th</sup>, peaking at 85 on the 8<sup>th</sup>. The weather didn't cool down until near the end of the month. The first frost wasn't recorded until the 29<sup>th</sup>. A mean temperature of 58.8 F made this the 3<sup>rd</sup> warmest October on record, and the monthly mean min of 50.7 was a new record high. Meanwhile, little rain fell until a couple of storms passing through the Mid-Atlantic brought 2 inches of rain from the 23<sup>rd</sup>-26<sup>th</sup>, with 1.15" on the 24<sup>th</sup>.

Temperatures returned to near normal in November. Several weather systems passed through the area, resulting in temperature swings and gusty winds. Precipitation fell in small increments and was below normal again.

December brought a potpourri of weather, including several rain and ice storms and some fierce winds. Heavy rains fell on the 2<sup>nd</sup>, 9<sup>th</sup> and 13<sup>th</sup>, with the latter storm bringing heavy ice accumulations to nearby mountain ridges. The season's first snow of 4.5" fell from an Alberta Clipper on the 5<sup>th</sup>. Another fast-moving winter storm brought treacherous ice accumulations and strong winds on the 15<sup>th</sup>-16<sup>th</sup>. Mild, sunny weather greeted the area around Christmas. A few days later, a cold front brought thunderstorms on the evening of the 28<sup>th</sup>. Precipitation topped 5 inches for the month, nearly as much as what fell during the entire fall season. Temperatures were very consistent, averaging 1.5 degrees above normal. In fact, both the average max and min were in the 30s – an 8.8 degree difference, the lowest diurnal range on record.

### 2007 Weather Statistics

2007 Monthly and Annual Climate Summary LaVale, MD, Allegany County Observers David Drewery, Charles Orlick, Scott Lohr and Nate Mullins Station Observation Time: Midnight Lat: 39.657780°, Long: - 78.821871°, Elevation 1016'										
Month	Temperature, ° F						Number of days			
	Mean Max	Mean Min	Mean Temp	Max Temp	Date	Min Temp	Date	Max > 90	Max ≤ 32	Min ≤ 32
Jan	42.9	28.7	35.8	64	15*	14	26	0	4	22
Feb	34.3	20.0	27.1	56	21	3	5	0	14	26
Mar	55.5	32.2	43.9	80	27	9	8	0	2	15
Apr	58.8	39.5	49.2	86	22	26	7	0	0	7
May	78.2	50.4	64.3	91	31	34	7	2	0	0
Jun	82.0	59.2	70.6	93	18*	50	24	5	0	0
Jul	83.3	60.5	71.9	93	10	49	2	3	0	0
Aug	84.1	63.9	74.0	93	25*	55	15	10	0	0
Sep	75.8	57.0	66.4	92	8	41	16	3	0	0
Oct	66.9	50.7	58.8	85	8	33	29	0	0	0
Nov	48.7	35.3	42.0	70	21	23	24	0	0	9
Dec	39.0	30.2	34.6	53	12	13	6	0	5	22
Year	62.5	44.0	53.2	93	8/25*	3	2/5	23	25	101

Precipitation, Inches			Number of days				Snow/ice, Inches			
Month	Total Precip	Max Day	Date	> 0.01"	> 0.10"	> 0.50"	> 1.00"	Total Snow	Max Day	Date
Jan	1.29	0.51	7	12	3	1	0	3.5	2.0	21
Feb	2.36	1.05	13	12	4	2	1	15.0	5.0	13
Mar	3.93	1.13	16	16	8	3	1	16.0	8.3	7
Apr	3.68	0.90	15	15	8	2	0	0.5	0.2	7
May	0.87	0.62	18	5	2	1	0	0.0	-	-
Jun	3.49	0.83	1	16	9	2	0	0.0	-	-
Jul	3.21	0.85	25	11	6	4	0	0.0	-	-
Aug	5.56	1.06	21	15	9	5	1	0.0	-	-
Sep	1.84	0.58	14	5	4	2	0	0.0	-	-
Oct	2.51	1.15	24	7	5	2	1	0.0	-	-
Nov	1.84	0.46	12	9	8	0	0	0.0	-	-
Dec	5.14	1.06	9	16	10	5	1	5.8	4.5	5
Year	35.72	1.15	10/24	139	76	29	5	40.8	8.3	3/7
Note: * = also occurred on earlier dates that month										
Month	Number of days with									
	Fog	Sleet	Glaze	Thunder	Hail	Dmg wind				
Jan	2	0	0	0	0	0				
Feb	0	3	1	0	0	0				
Mar	3	1	0	1	0	0				
Apr	5	0	0	1	0	0				
May	0	0	0	3	0	0				
Jun	4	0	0	11	1	1				
Jul	7	0	0	7	1	0				
Aug	12	0	0	7	0	0				
Sep	10	0	0	2	0	0				
Oct	2	0	0	2	0	0				
Nov	1	0	0	1	0	0				
Dec	8	2	2	1	0	1				
Year	54	6	3	36	2	2				