

# MONTHLY WEATHER DATA AND OBS - WESTMONT 1.1W PA

JANUARY 2008

OBSERVER NATE MULLINS

Special Observations: F=fog, T=thunder, H=hail,  
S=sleet, G=glaze, DW=damaging winds  
Observation time for this station is midnight.

Date	Temperature, °F			Precipitation, In.			Special Obs.
	24-hour Max	Min	At Obs	Liquid Rain Equiv	Solid Snow/ Ice	7am Snow Depth	
1	36	20	20	0.10	1.5		
2	21	8	8	0.15	<b>3.0</b>	4	
3	15	8	9	0.02	0.6	5	
4	29	9	24			4	
5	36	24	36	0.18		3	
6	45	36	44	0.15			F
7	60	44	50				
8	<b>62</b>	<b>45</b>	<b>54</b>				
9	54	35	35	0.11			
10	44	29	35	0.21			T
11	43	34	34	0.66			F
12	38	29	34				
13	39	29	29	0.10	1.0		
14	29	22	22	0.17	2.5	2	
15	22	20	21	0.10	1.8	4	
16	27	19	22	0.04	0.7	4	
17	28	23	25	0.33	2.5	3	
18	28	19	19	0.24	0.2	5	
19	24	13	13	T	T	4	
20	<b>13</b>	<b>1</b>	<b>5</b>	0.02	0.3	4	
21	18	4	11			4	
22	32	11	25	0.12	0.8	4	
23	22	13	15	T	T	5	
24	23	12	12	0.04	1.0	5	
25	21	6	13	T	T	5	
26	26	13	23	0.02	T	5	
27	26	22	22	0.12	1.8	<b>6</b>	
28	35	19	30	T	T	<b>6</b>	
29	39	30	39	<b>0.72</b>		5	F,G
30	45	21	21	0.15		2	G,DW
31	33	13	28			2	
<b>AVG/SUM</b>	<b>32.7</b>	<b>20.4</b>	<b>25.1</b>	<b>3.75</b>	<b>17.7</b>	<b>2.9</b>	<<--Mean
EXT	62	1	-	0.72	3.0	6	
Date	8	20	-	29	2	28*	

\*--Also occurred on earlier dates

### Miscellaneous Stats

**Mean Monthly Temperature: 26.5 °F**

Year precipitation to date: 3.75"

Season snowfall to date: 42.5"

Number of days with: Fog 3, Sleet 0, Glaze 3, Thunder 1, Hail 0, Damaging Wind 1

## DETAILED OBSERVATION NOTES

### WIND/SNOW/COLD

- 1: Strong winds developed overnight with a few light rain showers. Gusty W winds all day with light snow showers beginning in the afternoon and falling temperatures. 1.5" snow accumulation by midnight.
- 2: Gusty winds and snow overnight with another 3" accumulation by 7am. Decreasing clouds and blustery conditions through the day with gusty NW winds. Temperatures fell to 8 F by midnight.
- 3: Slight warming overnight with increasing clouds again and light snow showers. Partly to variably cloudy during the day and cold high only 15 F. Breezy and blustery also.
- 4: Clear early with slight warming overnight. Sunny with increasing clouds during the afternoon. Became clear but hazy after sunset.
- 5: Overcast with occasional drizzle and rain beginning late afternoon. Some freezing rain also .18" fell by midnight.
- 6: Overnight warming with light rain another .14" by 7am. Fog, drizzle and heavy overcast all day.

### VERY MILD

- 7: Overcast during the morning with gradual clearing and somewhat hazy skies during the afternoon. Became quite mild high 60 F.
- 8: Mostly sunny and unusually mild high 62 F. Some increase in clouds during the afternoon.
- 9: Mild early after midnight then front moved through with brief showers and strong wind gusts up to 45 mph. Continued very windy with partly to mostly cloudy skies and falling temperatures.
- 10: Some weak midday sun otherwise overcast skies and light SW winds. Showers late this evening with some imbedded thunder beginning around 10pm .21" rain fell by midnight.
- 11: Overnight rain heavy at times with gradual warming. Patchy dense fog this morning with rain ending around 9:30am. Falling temperatures and becoming windy with variable clouds and a few more showers this afternoon mixing with snow at times. A total of 0.66" rain fell.
- 12: Mostly sunny with light W winds and some increasing clouds late.

### LIGHT SNOWS

- 13: Mostly cloudy skies with light rain changing to light snow showers this evening. About 1" accumulation by midnight.
- 14: Occasional snow showers overnight and through the day and evening. Another 2.5" fell.
- 15: Light snow overnight another 1" by 7am. Variable clouds and occasional light snow showers during the PM hours. Another 3/4" snow fell. Temperatures steady in the low 20s with gusty WNW winds.
- 16: Overnight light snow. Partly cloudy with diminishing winds, becoming mostly clear late.
- 17: Overcast with steady snow through the AM and early PM hours. Changed to light frozen drizzle and sleet by mid-afternoon. Light to moderate snow resumed during the evening hours.
- 18: Overnight mixed precipitation and gusty W winds. Skies became mostly sunny by mid-morning. Storm total snow and precip 2.7" and 0.57", respectively. Diminishing PM winds.
- 19: Overcast with occasional snow flurries.
- 20: Overnight light snow showers. Mostly cloudy, cold and blustery with occasional snow flurries and winds gusting 20+ mph. Mostly clear after sunset.
- 21: sunny and cold.
- 22: Became cloudy with occasional PM light to moderate snow showers and gusty winds.
- 23: Overnight dusting of snow, becoming mostly sunny but remaining cold.
- 24: Mostly cloudy and cold with occasional light snow showers 1" fell.
- 25: Overnight dusting of snow. Became mostly sunny and continued cold.
- 26: Overcast with a few flurries and freezing drizzle late.
- 27: Light snow overnight and continuing on and off through early afternoon 1.8" fell.
- 28: Overnight light dusting of snow. Became mostly sunny and slightly milder today.

### RAIN/SOME ICE - STRONG WINDS

- 29: Rain developed overnight with some glaze/icing on elevated surfaces with dense fog this morning.

Steady light to occasionally moderate rain/freezing rain and dense fog continued all day and evening.

30: Some rain and freezing rain overnight with temperatures quickly rising to 45 F by 2am then falling again. Very strong west winds developed. Sustained winds 20-25 mph with gusts to 50 mph causing some minor tree damage. A few AM flurries. Became mostly sunny and continued very windy.

31: Clear early becoming partly to mostly cloudy in the afternoon, mainly high clouds. Mostly cloudy during the evening with winds shifting to SE and increasing to 20 mph late.

#### MONTHLY SUMMARY

January 2008 was a month of variable temperatures and frequent light to moderate precipitation events. Precipitation was near normal, with somewhat above normal temperatures, mainly due to milder than usual overnight minimums. Meanwhile, snowfall was slightly below normal, with a lack of any major accumulations. However, consistently below freezing temperatures from the 14th forward led to a 2-inch or greater snow depth from that point forward. Following a spectacular spring-like warm-up on the 7th and 8th, this seemed like a typical winter month, with lows below freezing from the 12th on (20 consecutive days) and highs below freezing from the 14th-27th (14 consecutive days). A mild ice storm and the month's heaviest precipitation event was followed by a ferocious wind storm near month's end. Other than that event and a surprise thunderstorm on the evening of the 10th, the weather this January was nothing too unusual.