

# MONTHLY WEATHER DATA AND OBS - WESTMONT 1.1W PA

JANUARY 2007

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	45	30	30	0.11	0.1		F,S
2	36	28	29	0.16	0.2	T	S
3	50	24	36			T	
4	52	32	50				
5	55	<b>50</b>	52	0.48			F
6	51	38	38	0.07			
7	40	30	36	<b>0.70</b>			
8	39	24	24	0.27	T		S
9	30	24	24	0.09	1.0	T	
10	24	19	19	0.06	1.7	2	
11	31	13	28			1	
12	49	28	47	0.08		T	
13	49	47	49	0.67			F
14	<b>56</b>	49	<b>55</b>	0.36			F
15	55	37	37	0.69			
16	37	16	16	0.11	2.5	T	
17	21	11	16	0.08	2.0	3	
18	28	15	21			2	
19	26	18	18	0.29	3.5	2	
20	21	15	15	0.07	1.5	4	
21	20	11	18	0.10	0.9	3	F,S,G
22	30	18	22	0.13	1.0	4	F,G
23	26	20	23	0.07	1.6	4	
24	28	22	22	0.14	2.5	5	
25	24	7	<b>7</b>	0.18	3.5	6	
26	30	<b>3</b>	30	0.14	2.0	7	
27	36	29	29	0.03	0.5	6	S
28	29	11	11	0.32	<b>6.2</b>	5	
29	<b>14</b>	8	12	0.15	3.0	9	
30	23	11	11	0.18	4.2	9	
31	21	7	10	0.04	1.3	<b>11</b>	
<b>AVG/SUM</b>	<b>34.7</b>	<b>22.4</b>	<b>26.9</b>	<b>5.77</b>	<b>39.2</b>	<b>2.7</b>	<< - Mean
EXT	56	3	-	0.70	6.2	11	
Date	14	26	-	7	28	31	

\*=Also occurred on earlier dates

### Miscellaneous Stats

**Mean Monthly Temperature: 28.6 °F**

Year precipitation to date: 5.77"

Season snowfall to date: 47.7"

Number of days with: Fog 6, Sleet 5, Glaze 2, Thunder 0, Hail 0, Damaging Wind 0

## DETAILED OBSERVATION NOTES

- 1: Light rain tapered off overnight. Some sunshine this morning and mild then heavy cloud cover by 3pm with drizzle through the evening, mixed with sleet and snow. A dusting by midnight, .11" precip for day.
  - 2: Light mix of precip continued overnight another .16" fell (0.2" snow/ice). Skies gradually became sunny today with more seasonable temperatures.
  - 3: Clear and frosty this morning then sunny and mild high 50 F with breezy conditions.
  - 4: Increasing clouds overnight then became mostly clear again by mid-morning. Mild again high 52 F.
  - 5: Steady light rain began overnight and continued through much of the day tapering off by late evening .48" fell. Patchy fog, mild temperatures.
  - 6: Overcast, mild and breezy. A couple of brief showers dropped .07" rain. Temperatures began to drop during the evening hours.
  - 7: Mostly cloudy with AM frost. Steady rain began by 4:30 pm and continued moderate at times through the evening .70" fell by midnight.
  - 8: Became very windy overnight with light rain continuing then tapering off around 8am. Temperatures gradually fell through the day with strong west winds and spits of light rain, sleet and snow.
  - 9: Mostly cloudy and colder with calmer winds. Dusting of snow this morning with snow showers resuming this afternoon, 1" accumulation by late evening.
  - 10: Cold, windy and blustery with mostly cloudy skies and intermittent snow showers tapering off by sunset another 1.7" fell. Became clear during the evening.
  - 11: Mostly sunny with increasing late afternoon clouds. Calm winds and seasonable temps.
- MILD/WET
- 12: Gusty winds and light rain overnight. Occasional light showers through the day with slowly rising temperatures through the evening.
  - 13: Steady mild temperatures in the upper 40s, breezy and overcast all day with periods of light to moderate rain .67" fell by midnight. Fog developed during the evening.
  - 14: Occasional rain overnight. Occasional light rain continued through the day with mild temperatures and moderate breezes from the SW.
  - 15: Occasional light showers overnight. Rain became moderate and steady during the morning hours then lighter and more intermittent by afternoon .69" fell by midnight. Mild with falling temperatures by mid evening and gusty WSW winds.
- COLDER/SNOW
- 16: Breezy with falling temperatures all day. Occasional snow showers began around 8:15 am with heavier squalls between 3 and 5pm about 2" fell in that time. 2.5" total fell.
  - 17: Snow showers overnight another 2" fell. Became clear by daybreak and remained sunny but cold.
  - 18: Mostly cloudy with light SW winds. First day in a week without precip.
  - 19: Gusty NW winds overnight with light snow. Moderate snow during the morning tapered off around 10am with variable clouds and occasional snow showers continuing through the day 3.5" fell.
  - 20: Overnight snow of 1.5" tapered off around 8am. Became variably cloudy but breezy, blustery and cold. Increasing clouds again during the evening.
  - 21: Cloudy and cold with a period of light snow during the afternoon 0.9" fell and .10" precip with light snow/freezing drizzle mix by late evening.
  - 22: Light snow and freezing drizzle/fog overnight with a warmup to 27 F by 7am. Occasional light freezing rain changing to all snow by 5pm, 0.13" fell, 1" snow/ice accumulation.
  - 23: Persistent light snow and flurries overnight and through mid-afternoon another 1.6" snowfall. Breezy.
  - 24: Light snow resumed overnight and continued all day with an occasional break. Breezy

and blustery again. A total of 2.5" snow fell by midnight.

- 25: Overnight snow of 1+ inch. Light to moderate snow through the morning. A few breaks in the clouds by early afternoon, another snow squall around 4pm brought the total to 3.5". Strong NW winds all day with temperatures falling to 7 F by midnight.
- 26: Cold low 3 F overnight. Cold all day with light to moderate snow ending by 4pm another 2" fell. An unexpected rapid warm-up late this evening with clearing skies and strong SSW winds gusting 30+ mph. Temperature rose to 30 F by midnight.
- 27: Strong winds overnight shifted to the west. A bit milder today with overcast skies. Light snow and sleet began around 10:30 pm with 0.5" accumulation by midnight.
- 28: Light snow overnight became moderate at times during the morning 2" fell by noon. A few weak peaks of sun then snow resumed at earnest around 4pm with near white-out conditions at times. Snow tapered to flurries by 7:30pm. 6.2" new snow measured.
- 29: Another 1" snow fell overnight. Snow continued through the morning hours with another 2" by early afternoon. Some peaks of sun began around 2:30pm, clearing evening skies.
- 30: Dusting of snow overnight. Occasional snow showers and squalls with blustery and cold conditions. Steadier snows began late this evening and continued through midnight 4.2" fell by then.
- 31: Snow gradually tapered off overnight another 1.3" fell. Flurries this morning gave way to partly to mostly sunny skies by this afternoon.

#### MONTHLY SUMMARY

The weather pattern this January was much like 2005, which had a very mild, wet first half then a colder, drier and snowier second half. 13 of the first 16 days had highs above freezing, while only 1 of the last 15 days reached above freezing. The seasonable to below normal temperatures of the second half didn't quite offset the warmth of the first half. Most of the precipitation prior to the 16th fell as rain, while nearly all precipitation after the 16th was snow, which fell almost continuously due to a persistent west to northwest flow off the great lakes and ridges. All of the last 12 days had measurable snow, and 27 of 31 days had measurable precipitation, which is most likely a record for any month!