

MONTHLY WEATHER DATA AND OBS - WESTMONT 1.1W PA

NOVEMBER 2009

OBSERVERS NATE & STEVE 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	46	35	35				
2	53	30	42				
3	47	34	34				
4	41	29	34	T			
5	41	32	34	0.07	T		S
6	41	29	29				
7	63	23	56				
8	69	53	53				
9	62	43	49				
10	58	48	48				
11	48	38	41				
12	50	35	40				
13	59	35	47				
14	62	45	43				
15	64	39	45				
16	56	42	45				F
17	48	38	38				
18	45	35	44				
19	49	42	42	0.76			F,T
20	45	37	39	T			
21	43	39	43	T			
22	47	36	37				
23	40	37	39	0.18			F
24	43	39	43	0.06			F
25	49	42	43	0.03			
26	49	33	33	0.02			
27	33	28	28	0.18	1.5	1	S
28	40	28	29			1	
29	58	29	50	0.05			
30	50	26	26	0.22	T		
AVG/SUM	50.0	36.0	40.3	1.57	1.5	0.1	<--Mean
EXT	69	23	-	0.76	1.5	1	
Date	8	7	-	19	27	28*	

*=-Also occurred on earlier dates

Miscellaneous Stats

Mean Monthly Temperature: 43.0 °F

Year precipitation to date: 39.09"

Season snowfall to date: 1.5"

Number of days with: Fog 4, Sleet 2, Glaze 0, Thunder 1, Hail 0, Damaging Winds 0

DETAILED OBSERVATION NOTES

- 1: Partly cloudy, becoming mostly cloudy with light N winds. Clearing in the evening.
- 2: Clear with heavy frost this morning. Sunny all day with light/variable winds.
- 3: Overcast early with light W winds. Became partly cloudy by late AM. Clear after sunset with temperatures falling to 34 F by midnight.
- 4: Partly to mostly cloudy with light SW winds. A few PM sprinkles.
- 5: Cool and breezy with mostly cloudy skies and occasional sprinkles. A brief rain showers mixed with sleet around 3pm .07" fell.
- 6: Clear early, mostly sunny with light NW to W winds occasionally gusting 15-20 mph.
- 7: A chilly 23 F this morning, much colder here than the airport where the low was 30. Sunny with a rapid warm-up through the morning reaching 63 F this afternoon. Light-moderate SW breezes.
- 8: Mild overnight - low 53 F. Sunny, mild day with light variable winds and a high of 69 F
- 9: Fair early becoming overcast by 10 am. Near calm winds and continued mild and overcast.
- 10: Overcast with occasional breezes from the East and relatively mild
- 11: Overcast this morning. Breezy and blustery with temperatures in the mid 40s during the day. Clouds gradually thinned throughout the day with weak sunshine. Strong NE breezes
- 12: Weak sun this morning. High thin clouds and hazy sunshine, breezes from NE continued.
- 13: Variable clouds with near calm winds but still from NE shifting to E. Mild high 59 F.
- 14: Overcast early with E to NE light winds again. Clearing during mid-morning, sunny & mild.
- 15: Clear overnight, variable early AM clouds then mostly sunny and mild high 64 F
- 16: Haze and light fog with mostly cloudy skies early. Variably cloudiness and still mild.
- 17: Overcast and cooler with light E winds all day
- 18: Cool with heavy overcast all day and moderate SE breezes
- 19: Light to moderate rain showers began around 7am. Periods of moderate to occasionally heavy rain through mid-afternoon with thunder heard around 11:30am. Temperatures slowly rose through the day. Gusty west winds late this evening. 0.76" of rainfall at this station but a lot more rain on the east side of town with 1.0 to 1.5 inches of rain in many areas.
- 20: Overcast early then remaining mostly cloudy and breezy early but diminishing winds
- 21: Cool and overcast with some spits of light drizzle around 4pm.
- 22: Overcast through the morning then partial afternoon clearing. Clear after sunset then clouds moved in again after 10pm.
- 23: Slight warming overnight with overcast skies. Haze and fog by early afternoon with steady temperatures around 40 F and light to moderate SE breezes. Drizzle and light rain began by 4pm and continued through the evening with patches of dense fog.
- 24: Overcast skies with light variable winds, light fog and drizzle through the day.
- 25: Mostly cloudy and cool with a shower between 12-1pm (.03") then variably cloudy.
- 26: Clear early and morning sun then overcast with a period of afternoon drizzle and light rain. Variable clouds through the evening with temperatures falling to 33 F by midnight.
- 27: Light snow overnight with 1.0" accumulation on elevated surfaces. Strong WNW breezes gusting gusting 35+ mph at times. Occasional sleet and snow showers through the PM hours with light accumulations after the initial round of snow had melted. 1.5" of snow/ice today. This is the first measurable snowfall of the season and first freezing temps since the 7th!
- 28: Very windy overnight with West winds gusting to 35 mph. Overcast AM then PM clearing with diminishing winds
- 29: Cool AM with temperatures slowly rising. Clear and sunny with light SW winds occasionally gusting 25-30 mph, mild high 58 F. Becoming cloudy around sunset with rain showers 10-11pm.
- 30: A cold light rain this morning and W to NW winds gusting 25+ mph. Temperatures slowly fell through the day with some wet snow mixing in with the rain, ending by 1pm .22" fell. No snow accumulation. Partial evening clearing, low reached 26 F by midnight.

MONTHLY SUMMARY

November was mild and dry. The first half of the month was particularly mild and had only one day (5th) with any measurable precipitation. The next measurable precipitation event didn't occur until 2 weeks later, when northbound showers and imbedded thunderstorms dropped a needed .76" of rain. A few more weak systems brought light amounts of precipitation during the final 8 days, including the season's first measurable snow (1.5") on the 27th. Meanwhile, the area saw an unusually long stretch without freezing temperatures, from the 8th to 26th - 19 consecutive days! This is quite unusual for November. While temperatures generally did not vary much, the month's low and high interestingly occurred one day apart, 23 on the 7th and 69 on the 8th. In fact, on the 7th, the month's low temperature and high observation temperature both occurred! This is unusual and interesting, especially considering there were no fronts, just strong radiational cooling early on the 7th, immediately followed by strong diurnal heating and warm air advection that led to a mild afternoon then and on the 8th. All of the month's sub-freezing temperatures occurred during the first week (5 of the first 7 days) and on the final four days. Meanwhile, November was the driest month of 2009 thus far, with only 1.57" of precipitation, 2.08" below the normal of 3.65". Needless to say, November was quite mild and dry.