

MONTHLY WEATHER DATA AND OBS - WESTMONT 1.1W PA

JUNE 2011

OBSERVER NATE MULLINS

Special Observations: F=fog, T=thunder, H=hail, S=sleet, G=glaze, DW=damaging winds

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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	85	60	68	0.02			T
2	76	53	53				
3	78	44	58				
4	82	46	71	0.10			T,H
5	87	65	65	T			
6	89	52	63				
7	77	55	65	0.20			T
8	93	59	73				
9	91	64	64	0.52			F,T
10	88	60	66	0.42			F,T
11	84	61	66	0.01			F,T
12	77	55	55	0.27			
13	71	50	55				
14	63	50	54	0.01			
15	79	44	58				
16	69	55	57	0.21			T
17	79	53	64				T
18	79	53	65				
19	83	60	65	T			
20	81	61	66	0.09			
21	89	65	72	0.11			F,T
22	85	65	70				
23	79	63	63	0.12			T
24	68	60	60	0.18			
25	67	57	57	0.02			
26	74	54	59				
27	79	54	66				
28	83	64	67	0.04			F
29	78	57	59				
30	83	53	63				F
AVG/SUM	79.9	56.4	62.9	2.32	-	-	
EXT	93	44	73/53	0.52	-	-	
Date	8	15*	8/2	9	-	-	

*=-Also occurred on earlier dates

Miscellaneous Stats

Mean Monthly Temperature: 68.1 °F (+1.4°F)

Year precipitation to date: 30.52" (+6.44"); Monthly precipitation departure -2.54"

Season snowfall to date: 124.6" (final total for 2010-2011)

Number of days with: Fog 6, Sleet 0, Glaze 0, Thunder 10, Hail 1, Damaging Winds 0

DETAILED OBSERVATION NOTES

- 1: Very warm and humid high 85 F heat index 90 with thunder from an isolated storm passing just to the north, a brief shower here, then clearing, breezy, and becoming somewhat cooler and noticeably less humid as a cold front passed through.
 - 2: Sunny, breezy, low humidity, 100% sunshine, pleasant mid-70s temps, very nice day.
 - 3: Cool overnight low 44 F. Another breezy, sunny nice day with passing high clouds.
 - 4: Cool and clear again low 46 F. Becoming warm & humid with increasing early PM clouds and a very brief thunderstorm at 3:40pm with pea-to-3/8" hail. A warm, humid but fair evening.
 - 5: Mild and mostly cloudy overnight and early this morning, skies cleared by mid-morning becoming mostly sunny and very warm but with less humidity.
 - 6: Clear and somewhat cool overnight, then sunny & very warm high 89 F but with low humidity. Light variable winds.
 - 7: Increasing clouds overnight, overcast this morning and a period of rain and thunder at midday. Skies slowly cleared by late afternoon, more humid, light winds.
- SULTRY - HEAT INDEX OF 105
- 8: Sunny skies, very hot, humid, oppressive high 93 F heat index 105 F, highest heat index yet here. Light SW winds. One of the hottest days ever at this location.
- SULTRY, THEN STORMY
- 9: Another oppressively hot & humid day, high 91 F heat index peaked at 101, very hazy with light W winds. Finally a cooling thunderstorm from 4-4:30 dumped .46" of rain in 15 minutes and dropped temperatures to 64 F, erasing the 68 morning low. Thunder continued for nearly 2 more hours but most of these storms went south of here.
 - 10: Variably cloudy, very warm & humid. Thunderstorms missed us left and right much of the afternoon & evening until a brief downpour at 11:15pm dumped .38" of rain in only 5 minutes and a peak rain rate of 8.73"/hour, highest so far of 2010-2011.
 - 11: Multiple thunderstorms overnight virtually all around this station only .01" rain. Another variably cloudy, warm & humid day but no more rain or storms threatened.
 - 12: Variably cloudy, brief downpour @ 11:30am, still humid but becoming cooler and a bit breezy during the late afternoon & evening hours.
 - 13: Mostly cloudy and cool overnight, partly to mostly cloudy and refreshingly cool high only 71 with light N winds.
 - 14: Mostly cloudy & continued cool, light NE winds, brief light showers around 2:30pm, high only 63 F.
 - 15: Clearing & cool overnight with a low of 44 F, then sunny & seasonably mild with light W winds. 100% sun & a beautiful day
 - 16: Overcast with occasional brief rain showers. Partial clearing but remaining cool high only 69 F. Multiple clusters of thunderstorms evaporated as they approached this evening, some gusty WSW winds, distant thunder, only .03" more rain.
 - 17: Partly to mostly sunny, rumbles of thunder from a storm to our north around 5pm but no rain, another mere miss.
 - 18: Partly to mostly cloudy, seasonably warm & humid. Near calm winds, clearing late.
 - 19: Variable cloudiness. A few PM sprinkles but storms yet again evaporated as they inched in from the SW. Occasional brief SW wind gusts, warm high 83 F.
 - 20: Light rain overnight, cloudy AM with partial PM clearing, light W winds. Couple of brief showers again late.
 - 21: A couple of brief pre-dawn showers and foggy early. Partly cloudy, the calendar summer began hot with a high of 89, a heat index of 99, and near calm winds. One rumble of thunder and a few sprinkles around 5pm otherwise mostly clear evening.
 - 22: Mostly cloudy early, then partly to mostly sunny. No rain or storms threatened despite a 70% chance and possibly severe. Occasional light W winds, very warm.

- 23: A light shower overnight. Some clearing during the day, a couple brief PM rain showers, light SW winds, lightning & thunder late from a storm to the north.
- 24: Occasional brief light to moderate rain showers. Mostly cloudy skies, cool times high only 68 F.
- 25: Light pre-dawn shower, mostly cloudy and cool, moderate breezes from NW. Some partial clearing this evening, pleasantly cool.
- FAIR & SEASONAL
- 26: Somewhat cool through the morning, a comfortable day with highs in the 70s and near calm winds, partly cloudy skies.
- 27: Another fair/cool night, partly cloudy, seasonable, some W wind gusts late.
- 28: A few light rain showers overnight, light fog this morning. Overcast AM then partly cloudy and warm PM. Again, no thunderstorms despite severe forecast.
- 29: Becoming fair & cooler overnight, clear AM, partly cloudy PM, breezy at times.
- 30: Another cool night / warm day with sunny skies after patchy early fog.

MONTHLY SUMMARY

June 2011 was a quiet month with above normal temperatures and well below normal precipitation. Unlike other recent months, min temperatures were slightly below normal, but with moderately above normal daytime highs. This is probably because there was considerably more sunshine in June than in previous months, resulting in larger diurnal swings. Temperatures were variable, and did not display the usual warming trend as we head towards the "dog days" of July and August. The greatest heat wave was early, on the 8th-9th, the only two 90+ degree days of the month. Both days had heat indices over 100. After this heat wave, temperatures were near seasonal the balance of the month.

June gave us a much-needed break from the constant rains we experienced during a near record wet spring. Surprisingly, half the days (15) had measurable rainfall, but amounts were almost invariably light, with only 3 days, all from the 9th-12th, of 0.25" or more, and only 1 day (9th, 0.52") over a half-inch. There were very few direct hits by thunderstorms this month - it seemed that many storms either tracked north or south of the area, or clusters of heavy rain and storms would move east from Ohio and evaporate as they approached the normally wetter Laurel Highlands. Precipitation was less than half of average, our driest month with respect to normal since May 2007, and the first month with below normal precipitation since January.