

MONTHLY WEATHER DATA AND OBS - WESTMONT 1.1W PA

AUGUST 2007

OBSERVERS NATE AND 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 | 83 | 62 | 66 | | | | |
| 2 | 84 | 64 | 66 | 0.37 | | | T |
| 3 | 83 | 63 | 69 | 0.02 | | | F,T |
| 4 | 83 | 67 | 67 | | | | |
| 5 | 71 | 64 | 66 | 0.26 | | | F |
| 6 | 78 | 67 | 73 | 0.84 | | | F,T |
| 7 | 79 | 70 | 75 | 0.33 | | | F,T |
| 8 | 85 | 72 | 72 | 0.24 | | | T |
| 9 | 80 | 66 | 66 | 2.65 | | | F,T,DW |
| 10 | 77 | 66 | 67 | 0.01 | | | F |
| 11 | 76 | 60 | 63 | | | | |
| 12 | 77 | 60 | 65 | T | | | |
| 13 | 78 | 63 | 63 | | | | |
| 14 | 73 | 56 | 64 | | | | |
| 15 | 76 | 60 | 64 | T | | | |
| 16 | 78 | 62 | 68 | 0.93 | | | F,T |
| 17 | 77 | 59 | 59 | | | | F |
| 18 | 66 | 54 | 59 | | | | |
| 19 | 60 | 54 | 57 | 0.86 | | | F |
| 20 | 57 | 55 | 57 | 1.55 | | | F,T |
| 21 | 66 | 57 | 60 | 1.69 | | | F |
| 22 | 76 | 58 | 66 | 0.02 | | | F |
| 23 | 81 | 63 | 67 | 0.01 | | | T |
| 24 | 86 | 66 | 73 | | | | F |
| 25 | 82 | 66 | 71 | | | | T |
| 26 | 74 | 63 | 63 | 0.40 | | | F,T |
| 27 | 75 | 59 | 64 | | | | F |
| 28 | 78 | 60 | 70 | | | | |
| 29 | 82 | 67 | 68 | | | | F |
| 30 | 80 | 65 | 68 | 0.29 | | | F,T |
| 31 | 74 | 58 | 58 | 0.01 | | | |
| AVG/SUM | 76.6 | 62.1 | 65.6 | 10.48 | - | | |
| EXT | 86 | 54 | - | 2.65 | - | - | |
| Date | 24 | 19* | - | 9 | - | - | |

*=-Also occurred on earlier dates

Miscellaneous Stats

Mean Monthly Temperature: 69.4 °F

Year precipitation to date: 40.39"

Season snowfall to date: 0.0"

Number of days with: Fog 17, Sleet 0, Glaze 0, Thunder 12, Hail 0, Damaging Wind 1

DETAILED OBSERVATION NOTES

- 1: Warm and sunny with a few passing Cumulus clouds, near calm wind, and slight humidity increase.
- 2: Sunny, warm and humid with an increase in cloud cover by early afternoon. Strong to severe storms in the area from 4-6pm .37" rain fell along with very frequent and intense lightning. Some nearby areas had a lot more rain, high wind and hail.
- 3: Dense fog early, then clearing. Hazy, warm & humid. Increasing clouds by early afternoon. Brief shower with a little thunder shortly before 4pm. Clearing afterwards and continued hazy.
- 4: Light fog and haze early. Sunny, warm and hazy throughout the day with calm wind.
- 5: Overcast and cooler with a period of light rain from 2:30-6:30pm and occasional drizzle through the evening hours with fog developing. Light rain resumed towards midnight .26" fell.
- 6: Occasional showers overnight and a couple of early morning thunderstorms around 4-4:30am and again 5:30-6am with rain heavy at times another .84" fell by 6am. Dense AM fog with patchy light drizzle followed by slight clearing but remained mostly cloudy and very hazy all day and evening.
- 7: Overcast, hazy and humid. Thunderstorm from 5-5:30pm dropped .33" rain and brief gusty winds. Partial clearing during the evening hours with fog developing late.
- 8: Severe storms passing to the north overnight with a lightning display resembling a fireworks grand finale. Thunder but no rain. A thunderstorm around 6:30am dropped .24" rain in about 10 minutes. Variably cloudy, warm and humid all day. Thunder and sprinkles around 6pm but not measurable.

SEVERE STORMS - FLASH FLOODS

- 9: A rather intense thunderstorm from 9-10am bringing torrential downpours, strong winds gusting 40+ mph and severe almost continuous lightning. Rain and thunder continued through 11:30am 1.07" fell most of it in only 15 minutes. Gradual clearing after 1pm, warm and humid. Another severe storm began around 4pm with black skies, more torrential rain, strong wind and wicked frequent lightning. Power was knocked out for 1 1/2 hours. Rain ended by 6:15pm another 1.39" fell most of that in 30 minutes. More rain 8-10:45pm brought the day's total to 2.65". Fog formed during the late evening. Power outages were widespread with numerous trees down including one at the end of the block. Also a lot of flooding, a rockslide and even funnel clouds were reported in the area.
- 10: Early fog and drizzle then partly to mostly cloudy with light NW winds through the day.
- 11: Clear to mostly sunny with pleasant temperature and humidity and light NNE winds.
- 12: Sunny during the morning then variably cloudy by afternoon. A few sprinkles around 8pm.
- 13: Hazy early with partly cloudy skies then becoming sunny and pleasant.
- 14: Clear and a little cooler overnight. Mostly sunny and pleasant, light NW wind.
- 15: Variably cloudy with light SW winds shifting to NW, few evening sprinkles.
- 16: Heavy thunderstorms early this morning beginning around 5am with lots of lightning & thunder. Rain and occasional thunder continued through 8am .93" fell. Fog developed as the rain ended but dissipated around 10am when the clouds broke. Partly cloudy the remainder of the day.
- 17: Overnight haze & fog. Variably cloudy with moderate west breezes developing this afternoon.
- 18: Clear and cool overnight. Brilliant sunny day with deep blue sky and low humidity. Mid to high clouds began moving in by 5:30pm and became completely overcast after sunset.

COOL & WET

- 19: Light rain began around 6am. Rain began intermittent then became steadier and moderate at times through the day. Heavy rain around 7pm then steady rain through midnight .86" fell. Quite cool high only 60 F and falling through the afternoon and evening. Also foggy through the evening.
- 20: Foggy overnight. Occasional brief showers through the morning then a thunderstorm with a heavy downpour around 12:15 dropping .63" by 1pm. A few more brief showers through the afternoon then another heavy downpour with thunder from 6:30-7:15pm. Steady light to occasionally moderate rain with patchy fog through the evening. Still raining at midnight 1.55" fell for the day.
- 21: More rain overnight heavy at times another .74" fell by 7am. Mostly cloudy with patchy fog, cool temperatures again and occasional showers through the day and especially the evening between 9pm-midnight with rain heavy at times again. Rain ended shortly before midnight another 1.69" fell today. A storm total of 4.10" has fallen the past 3 days.

- 22: Fog overnight and some patchy drizzle and light rain this morning .02" fell. Became much warmer this afternoon and remained mostly cloudy and humid but no more rain.
- 23: Overcast this morning clearing to partly cloudy. A light rain shower with thunder around 3pm as severe storms blew up just north & east of this station. The storms kept forming and re-forming over the same areas causing flash flooding in nearby parts of the county. Only .01" rain here.
- 24: Early light fog and clouds, then becoming sunny, very warm and humid high 86 F.
- 25: Mostly sunny, warm and humid. Becoming breezy by afternoon with 5-10 mph winds from the SW. Some lightning & thunder from 9:30pm to 10:30pm but no rain.
- 26: Moderate to heavy shower from 2-2:30am and another shower with some thunder 4:30-5am .40" fell. Overcast with light fog clearing by late morning. Became mostly sunny with light N winds.
- 27: Dense fog early then becoming mostly sunny with low humidity and calm winds.
- 28: Clear early then partly to mostly sunny with an increase in clouds from mid afternoon through early evening. Light variable winds.
- 29: Early light fog, becoming variably to partly cloudy and warm with increasing humidity.
- 30: Dense morning fog becoming mostly sunny by mid-morning. Increasing clouds again this afternoon. Brief shower @ 3:30pm with a single clap of thunder, and another brief localized downpour around 6:50pm .29" total rain fell. Moon out by mid-evening with light fog forming.
- 31: Mostly cloudy overnight with a brief shower this morning around 7:45am. Gradual clearing around midday with a mostly sunny and pleasant afternoon. Clear & cooler this evening.

MONTHLY SUMMARY

August was a warm, humid month with record or near-record precipitation. A quick look at Johnstown records since 1931 indicates that this was probably the wettest August on record. A whopping 10.48" of rain fell. The August record for the old Johnstown station, just a few miles east of this one, was 10.14" in 1975. This was probably the wettest month since the big flood of July 1977, when an amazing 14.01" fell. The only other month coming close was November 1985 with 10.24 inches.

Unlike 1977, no major flooding occurred, as the rainfall was more evenly spread out through the month and didn't come all at once. Strong to severe storms hit the area on several occasions, most notably on the 9th, when a couple of spectacular storms hammered us with heavy rain, strong wind, vicious lightning, flash flooding and power outages. 2.65" fell from those storms. The other major rain event was from the 19th-21st, when 4.10" fell in the 3-day period.

Aside from a brief cool-down just after mid-month, temperatures were generally near to above average, especially overnight lows, which never reached below the mid 50s. It is fairly unusual to not have at least one or two nights in the 40s, especially in late August. Though there was no extreme heat, there were several very warm days, which felt even warmer due to high humidity. August was by far the warmest month of 2007, with a mean temperature of 69.4 F, nearly 3 degrees warmer than July.