**Reading 4** **SW;** Berks County, PA; Lat 40°19.0'N, Lon 75°59.3'W, Elev 320 ft MSL

CoCoRaHS ID: PA-BR-2, Reading 3.5 SW Observation time: 2359 EST

**August 2006**

Daily details (monthly extremes in **bold):**

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TEMPERATURES

DAY MAX MIN OBS PCPN SNOW DEPTH

1 **97** 76 **86**

2 96 **81** 83

3 **97** 79 79

4 86 71 71

5 88 64 70

6 89 64 78

7 90 74 79 Tr

8 86 66 66

9 84 58 64

10 85 63 71

11 82 64 64

12 80 55 **60**

13 83 **52** 62

14 88 58 78

15 87 65 65

16 67 59 67

17 68 61 70

18 65 63 70

19 86 67 76 0.07

20 89 72 72

21 85 66 66

22 88 61 65

23 87 61 67

24 84 63 67 0.07

25 86 67 70 0.08

26 **72** 68 68 0.05

27 77 68 73 **3.32**

28 82 73 73 0.25

29 81 69 69 3.00

30 74 65 65 0.04

31 73 60 **60**

SUM 2642 2033 6.96 0.0

REMARKS (all times are EST)

Early AM min temp 81.

0.02 Light shower/sprinkles mid-morning.

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Showers began 2330.

0.06 Showers ended before 0100.

Shower before dawn.

T-storms in the area toward midnight.

T-storms out of area by 0100.

Showers; very heavy late eve; little thunder.

Rain ended much before dawn.

Heavy t-storms (3) afternoon into early eve.

A little more rain overnight, before dawn.

Monthly statistics:

Average
Average
Average
Extreme
Extreme
Extreme
Extreme
Heating
Cooling

Monthly Temperature (Dep):
Maximum Temperature (Dep):
Minimum Temperature (Dep):
Daily High Maximum Temp:
Daily High Minimum Temp:
Daily Low Minimum Temp:
Daily Low Maximum Temp:
Degree Days (Season):
Degree Days (Season):

75.4 (+1.6)

85.2 (+1.0)

65.6 (+2.1)

97 (+3) on lst,3rd

81 on 2nd

52 (-0) on 13th

72 on 26th

0 (0)

331 (1032)

• -- more --

Total Monthly Precipitation (Dep):
Total Annual Pcpn through Month:
Greatest Calendar Day Pcpn:
Greatest Floating 24-Hour Pcpn:
Total Monthly Snowfall (Dep):
Total Season Snowfall (Dep):
Greatest Calendar Day Snowfall:
Greatest Floating 24-Hour Snowfl:
Maximum Depth of Snow/Ice:

Days with Hail:

Days with Thunder (Dep):

Highest Wind Gust (MPH):
Maximum Barometric Pressure:
Minimum Barometric Pressure:

6.96 (+1.55)

36.38 (-0.57)

3.32 on 27th

3.55 on 27th-28th

0.0 (-0.0)

0.0 (-0.0)

0.0 on

0.0 on

0

0

4 (-2)

17 on 4th,21st
30.23 on 17th
29.67 on 29th

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Average 4-Inch Soil Temps trended from the mid 80s early in the month to the low
70s toward the end and ranged from 87 on the 3rd to 68 on the 12th and 13th.

Highlights:

This August will be remembered as the one that was very dry until an amazing
rainfall rally toward the end. Of the 6.96 total, only 0.40 had fallen before
the evening of the 27th when occasional light showers turned into a much
welcomed drenching of over 3.5 inches that abruptly pushed the monthly rainfall
to near normal. The short-term drought was convincingly squashed less than two
days later when a series of three thunderstorms poured on another 3 inches,
including 1.97 in 50 minutes ending 1400 EST. The erstwhile parched ground
absorbed all of the first heavy rain, but then the additional 3 inches left much
standing water on neighborhood lawns. Very heavy one-day rain amounts have
eluded the month of August during the 24 Augusts of careful rainfall records at
Reading 4 SW. Previously, there were no calendar days in August with at least
3.00 inches of rain; then came two within three days. And the 3.55 within 24
hours edged over the previous greatest August floating 24-hour rainfall of 3.50
from the evening to morning of August 21-22, 1994.

Like July, summery warmth was consistent through the 25th after which a few of
the last days brought maximum temperatures more like late September. However,
the number of hot days (90 or more), only 4, was below the August average of 6
and all of them came during the first seven days. Among those, the first three
days brought which should end up being the hottest weather of the year. The
maximum of 97 on two different days is about average maximum heat during a year. But it was the minimum temperatures during that heat wave that were most
anomalous. The minimum of 81 on the 2nd became a new record for the highest
minimum during the month of August and the second minimum at or above 80 for all months; the other was an 82 on 6 July 1999. The series of warm minimum
temperatures began during late July and included an eleven-day streak from 25
July to 4 August when the temperature failed to drop below 70 degrees.

Rankings this month:

Avg Temp 75.4 - Eighth warmest of 23 Augusts

Precip 6.96 - Second wettest of 24 Augusts

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