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

Observer in Charge: Jeffrey R. Stoudt

Period of Record: Precipitation/Snow - January 1983, Temperatures - June 1984
**June 2007**

DAILY DETAILS (monthly extremes in **bold)**

Observation time: 2359 EST

TEMPERATURES

DAY MAX MIN OBS PCPN

1 91 67 67 **2.76**

2 88 64 75 T

3 78 64 64 0.71

4 80 64 70 0.20

5 78 66 66

6 72 54 **54** 0.01

7 84 **50** 66

8 **95** 63 74 0.34

9 84 70 70

10 81 66 67 2.00

11 85 66 63 0.09

12 86 65 66 0.17

13 82 63 64 0.01

14 **64** 53 **54**

15 74 54 63

16 85 59 65

17 89 61 77

18 91 67 72

19 92 67 70

20 81 63 63 0.14

21 85 57 70

22 78 61 61

23 77 52 57

24 84 52 66

25 82 64 72 0.17

26 93 67 **80**

27 94 **73** 73

28 89 71 72

29 78 70 70

30 82 64 70

31

SUM 2502 1817 9.73

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| --- | --- |
| SNOW DEPTH Hail(1/8) | REMARKS (all times are military EST)++TSRA 1600-1720, then -TSRA till 2000. (...)Few drops mid-afternoon. Some rice-size hailRA from TS Barry remnants, mostly early eve. Periods of rain and drizzle till 1000. |

* SHRA at dawn.
TSRA 2110-2140.

Hail(3/8) ++TSRAGR 1820-1840. Add'l TSRA later evening.

* TSRA before dawn.

Afternoon VCTS; briefly gusty +TSRA at 1230.

VCTS early afternoon; +TSRA missed.

Air mass from Newfoundland.

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1.14 Three evening TSRA (0.22 + 0.29 + 0.63).

TSRA ended long before dawn.

RA at mid morning.

 0.65 +TSRA mid evening.

 1.31 +TSRA early evening then -RA till 2045.

 0.03 -SHRA morning after 0645.

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):

73.0 (+1.6)

83.4 (+1.0)

62.6 (+2.3)

95 (+1) on 8th

73 on 27th

50 (+4) on 7th

64 on 14th

9 (4767)

253 (370)

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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:

9.73 (+4.71)

30.10 (+3.74)

2.76 on 1st

3.93 on 31st-lst

0.0 (-0.0)

20.0 (-9.3)

0.0 on

0.0 on

0

2

10 (+4)

35 on 12th

30.22 on 26th
29.39 on 4th

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Average 4-Inch Soil Temps remained mostly in the 70s throughout the month with
little or no net increase and ranged from 63 on the 7th to 82 on the 28th.

HIGHLIGHTS

If the Mid Atlantic Region became a desert during June, Reading 4 SW was an
oasis. Heavy thunderstorm downpours hammered this and nearby southwestern
suburbs of Reading repeatedly during June which featured numerous hit-or-miss
heavy thunderstorm days in the region, a trend that began during the Memorial
weekend. The only widespread significant rainfall came on the 3rd from the
remnants of T.S. Barry from which Reading 4 SW received only a moderate amount.
Only hours after May's thunderous and rainy final hour (1.17), an even stronger
TS struck during the early evening of the 1st with torrential rain and prolific
lightning resulting in a 24-hour rainfall of 3.93. The neighboring suburb of
Cornwall Terrace, 1.5 miles to the west, logged 5.29 during the same period.
Flood damage was observed in the adjacent section of Sinking Spring. Several
more bouts with moderate or heavy TS during the rest of the month kept grass
green and lawn mowers humming. Meanwhile, many other areas in Berks and
surrounding counties tallied only normal to moderately above normal June
rainfall totals. And some areas reported even subnormal rainfall totals for
June. Ironically, this June's total at Reading 4 SW exceeded last June's total
of 9.22 which was a month when hefty to historic June rainfalls were widespread
in the Mid Atlantic Region. This June's total of 9.73 surpassed June 1989's
9.65 for the greatest June total in the last 25 years. However, Junes 1972,
1973, 1975, and 1982 likely exceeded 10 inches at this location. This June's
total would have been 10.90 if May's finale came only an hour later.

Typical summery temperatures dominated this June and resulted in an above normal
average temperature. However, the cool periods centered on the 6th, 14th, and
23rd were quite anomalous but were too brief to offset much of the heat.

RANKINGS AND EXTREMES FOR THIS MONTH

Avg Temp 73.0 - Tied with one other for fourth warmest of 24 Junes
(68.3 in 2003 to 74.4 in 2005)

Precip 9.73 - First wettest of 25 Junes (1.15 in 1986 to 9.73 in 2007)

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