**Reading 4 SW**; Berks County, PA; Lat 40.316251, Lon -75.988661, Elev 320 feet ASL

CoCoRaHS ID: PA-BR-2, Reading 3.5 SW; CWOP ID: FW1703 Observation time: 2359 EST

Observer in Charge: Jeffrey R. Stoudt

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

**July 2025**

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

TEMPERATURES

DAY MAX MIN OBS PCPN SNOW DEPTH REMARKS (all times are military EST)

1. 93 72 72 **1.82** Light rain before dawn; heavy TSTM late aft’n
2. 90 69 69 0.02 Little rain before dawn

3 91 65 67

4 86 61 **65**

5 90 **60** 72

**6** 91 68 78

7 90 **75** 77 T Dissipating TSTM nearby W-SW post-dusk

8 94 73 73 0.67 TSTM mainly 1500 (LST) hour

9 91 71 71 0.25 TSTM to SW-S late afternoon into dusk

10 88 69 74

11 91 72 77

12 91 74 77

**13** 88 73 77 T Traces of rain late AM

14 89 73 77 0.45 TSTMs lgt-mod rain afternoon, regional flooding

15 89 71 76

16 91 72 77 T VCTS eve, only trace as hvy rain skipped around

17 94 74 78 0.09 Light rain from dissipating TSTMS predawn

18 86 72 72

19 **82** 68 76 0.05 Occasional light rain daybreak to forenoon

**20** 90 **75** 77 0.06 Shower ~1030 (0.01); ~1330 (T); late aft (0.05)

21 87 67 67

22 84 61 67

23 88 66 73

24 91 68 78

25 **98** 74 74 0.33 Gusty TSTM ~1515; dissipating TSTM post-dusk

26 89 72 73 0.24 Fringe of TSTM W-SW ~dusk; TSTM at midnight

**27** 91 71 76 0.17 TSTM fringes before dawn, mid-afternoon

28 94 71 77

29 97 73 78

30 97 73 **79**

31 92 67 67 0.43 TSTM at midday, ~3” rain/flooding 2-6 mile N-NE

SUM 2803 2100 4.58 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 80.2 (+3.6)

Average Maximum Temperature (Dep): 90.4 (+3.5)

Average Minimum Temperature (Dep): 70.0 (+3.7)

Extreme Daily High Max Temp (Dep): 98 (+2) on 25th (record 105 on 22 Jul 2011)

Extreme Daily High Minimum Temp: 75 on 7th 20th (record 82 on 05 Jul 1999)

Extreme Daily Low Min Temp (Dep): 60 (+5) on 5th (record 49 on 01 Jul 1988)+

Extreme Daily Low Maximum Temp: 82 on 19th (record 65 on 24 Jul 1997)+

Heating Degree Days (Season): 0 (0)

Cooling Degree Days (Season): 480 (862)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 4.58 (-0.69)

Total Annual Pcpn through Month: 32.96 (+2.63)

Greatest Calendar Day Pcpn: 1.82 on 13th (record 5.12 12 Jul 2004)

Greatest Floating 24-Hour Pcpn: 3.21 on 30th-1st (rec 5.12 12-12 Jul 2004)

Total Monthly Snowfall (Dep): 0.0 (-0.0)

Total Season Snowfall (Dep): 0.0 (-0.0)

Greatest Calendar Day Snowfall: 0.0 on (record 0.0 on 00 Jul 0000)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 0.0 on 00-00 Jul 0000)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 11 (+3)

Highest Wind Gust (MPH): 33 on 25th

Maximum Barometric Pressure: 30.24 on 23rd

Minimum Barometric Pressure: 29.74 on 1st

HIGHLIGHTS

The pattern of frequent heat that developed during June continued through July. Cool temperatures were very brief and not unusual. Twenty days heated to at least 90 degrees, double the average of 10 days, and the highest of which was 98 on the 25th. Besides, all 31 days warmed to at least 80 for the fourth consecutive July, the coolest daily high of which was 82 on the 19th. On the low temperature side, only two days cooled below 65, the lower of which was 60 on the 4th. The other was 61 on the 3rd. In contrast, 19 days failed to cool below 70, including eight consecutive from 11th through 18th, the warmest of which was 75 on 7th and 20th. This great majority of warmth or heat resulted in a final average temperature of 80.2 (+3.6) degrees, good for third warmest July of 42. And the averages of the daily highs of 90.4 (+3.5) and the daily lows of 70.0 (+3.7) contributed nearly equally to the anomaly. Last July (2024) was toasty also with an average of 79.5 with extremes of 58/100. Officially for Reading PA (RDG), the final July 2025 average was similar at 80.0, fourth warmest of 128, with extremes of 61/97 and included 22 daily lows not below 70 which tied July 1955 for most in that category.

Despite a major rainfall of 1.82” from mostly thunderstorm downpours on the 1st, which followed 1.39” during the closing hours of 30 June, this July finished below average in rainfall at 4.58” (-0.69) after adding several modest rain amounts. Thunderstorms prowled in the vicinity during at least ten other days; however, their downpours were either brief or missed, some quite narrowly, which resulted in quite variable areal rainfall totals this July of which Reading 4 SW accrued one of the least. Torrential thunderstorm rain fell midday of the 31st only 2 to 6 miles NE of Reading 4 SW which deluged much of the city and the Reading Regional Airport (RDG) vicinity where 2.69” fell for the day including 2.67 within 52 minutes only 4 miles NNE of Reading 4 SW where only 0.43” fell. Even closer, a meticulous measurement of 3.30” in 42 minutes was reported at Penn State Berks, 3 miles NE of Reading 4 SW. Those torrential rains triggered unusual flooding in the city and adjacent NW suburbs. July totals in Berks County ended mainly in the range of 4 to 9 inches, including 6.69” at RDG. Last July, thunderstorm downpours were a bit more ‘hit’ at Reading 4 SW and totaled 5.79”. Further, thunderstorms generated damaging winds in the Reading area on the 1st and 25th which gusted to 63 and 57 mph respectively at RDG. Corresponding gusts at Reading 4 SW peaked at 25 and 33 mph.

RANKINGS AND EXTREMES FOR THIS MONTH (JULY)

Avg Temp 80.2 – 3rd warmest of 42 (71.9 in 2000 to 81.1 in 2011)

Precip 4.58 – 15th driest of 43 (0.29 in 1999 to 15.54 in 2004)

Snowfall 0.0 – Snow was never observed here during July.