**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

**June 2024**

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

 TEMPERATURES

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

 1 85 **48** 59

 **2** 84 54 70 T Few drops ~1800

 3 87 64 70 T Hvy shower S (.82” Angelica); slight spray here

 4 91 63 67

 5 87 65 70 **1.10** Rain evening, heavy at times after 2130

 6 90 70 73 0.03 Rain ended before 0100; few drops at dawn

 7 86 66 66 T Few drops ~1745

 8 82 61 61

 **9** 82 59 67 T Few drops mid-morning

10 78 58 61

11 **71** 58 **58**

12 83 52 68

13 91 57 74

14 89 65 65 T T-showers skirted around midday-eve; no T here

15 84 58 61

**16** 87 54 68

17 92 66 76

18 95 70 74

19 95 70 74

20 96 68 76

21 99 70 **81**

22 **102** 76 **81** 0.01 TSTM nearby but not overhead early evening

**23** 98 **78** 79 T Feeble drops few times mid-aft to mid-evening

24 85 66 66

25 92 59 77

26 96 68 68 0.70 VCTS early evening, briefly overhead late

27 89 66 66 0.01 Light rain before 0100

28 86 57 66

29 91 65 74 0.79 Early eve TSTM, 0.54 in 10 min then light rain

**30** 94 67 67 0.48 Afternoon TSTMs, mostly nearby SW-S

31 -- -- --

SUM 2667 1898 3.12 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 76.1 (+4.2)

Average Maximum Temperature (Dep): 88.9 (+6.4)

Average Minimum Temperature (Dep): 63.3 (+2.1)

Extreme Daily High Max Temp (Dep): 102 (+8) on 22nd (record 100 on 15 Jun 1988)%

Extreme Daily High Minimum Temp: 78 on 23rd (record 77 on 28 Jun 1999)%

Extreme Daily Low Min Temp (Dep): 48 (+1) on 1st (record 38 on 03 Jun 1986)

Extreme Daily Low Maximum Temp: 71 on 11th (record 59 on 02 Jun 2015)+

Heating Degree Days (Season): 0 (4280)

Cooling Degree Days (Season): 340 (494)

+ Most recent of more than one occurrence

% Previous record

 -- more --

Total Monthly Precipitation (Dep): 3.12 (-2.19)

Total Annual Pcpn through Month: 26.11 (+1.05)

Greatest Calendar Day Pcpn: 1.10 on 5th (record 3.64 on 19 Jun 2019)

Greatest Floating 24-Hour Pcpn: 1.27 on 29th-30th(rec 4.87 on 19-20 Jun 2019)

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

Total Season Snowfall (Dep): 17.8 (-10.5)

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

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

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 4 (-2)

Highest Wind Gust (MPH): 29 on 24th

Maximum Barometric Pressure: 30.35 on 19th

Minimum Barometric Pressure: 29.47 on 6th

HIGHLIGHTS

June 2024 began cool with the month’s lowest of 48 early morning of the 1st. But that was not to be the flavor of the month. This June would eventually become the warmest June of 41 years with final average of 76.1 degrees, widely surpassing 75.2 of June 2010. Even that same first day, temperature soared to 85. Further cool weather was scarce. What might be considered as spring’s last hurrah occurred on the 11th as considerable cloudiness all day checked temperatures mostly to the upper 60s to briefly 71 for the coolest high temperature. Only two other days failed to warm to at least 80. Of the 27 remaining days, 14 heated to at least 90, the most hot days in any June, previously 11 during June 2021. Of those, six reached at least 95, five consecutive, which were embedded in a streak of seven hot days, and keyed by a highest of 102 on the 22nd. That surpassed 100 of 15 June 1988, June’s previous highest. And this day marked the first triple-digit temperature since 100 on 18 July 2012, a much longer return period than usual. Numerous mainly sunny days contributed in a new June highest average daily high temperature of 88.9 (+6.4), well above the previous 86.0 of June 1991. However, many clear nights resulted in a relatively cool daily low temperature average of 63.3 (+2.1). However, daily lows of 76 and 78 on 22nd and 23rd occurred during the heat wave, the 78 of which surpassed 77 of 28 June 1999 for a new June warmest daily low temperature. June 2023 was much cooler at 70.1 with extremes of 45/97. Officially for Reading PA (RDG), the average temperature was also 76.1 with extremes of 50/101. That 101 was first official 3-D temperature since 18 July 2012. And the 76.1 average placed a distant second in 127 years to 76.6 degrees of June 1943.

Rainfall totaled to only 3.12” (-2.19) which nearly matched last June’s total of 3.05 and became the fifth consecutive June with subnormal rainfall. Even this rather meager total consisted of two 24-hour periods of over 1.00 inch, 1.13 on 5th into 6th and 1.27” 29th into 30th. In between came only zero or paltry amounts, save for 0.70 on the 26th, which resulted in the development of arid conditions, including much stressed vegetation. This aridity availed more energy toward increasing air temperatures by day and thus contributed toward augmenting many daily high temperatures by a few degrees than if ground moisture was normal. Rainfall totals were deficient throughout Berks County, mostly within the range of 2.5 to 3.5 inches with very isolated spots around 4 inches. RDG tallied 2.73.

RANKINGS AND EXTREMES FOR THIS MONTH (JUNE)

Avg Temp 76.1 – 1st warmest of 41 (68.3 in 2003 to 75.2 in 2010%)

Precip 3.12 – 12th driest of 42 (1.15 in 1986 to 9.73 in 2007)

Snowfall 0.0 – Snow was never observed here during June. % Previous record

The snow and heating years ended 30 June. Of the rather small snow total of 17.8” (-10.5), 8.6 came during January and 8.5 during February plus few brief minor coatings totaling 0.7 during late November and December. Greatest single snowfall was 5.8 on 13 February. Snowfalls spanned from 0.1 on 28 November to trace on 10 March. Heating Degree Days (HDD) totaled 4280 (normal 4957) and was third least to only 3999 during 2011-2012 and 4276 during 2022-2023. The greatest month this season was January with 933. Only November brought more HDD than average at 637.