**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 2022**

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

TEMPERATURES

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

1 **94** 65 65 0.33 VCTS after 2100; nearby strong TSTM at 2359

2 82 64 68 0.18 VCTS till 0100, mid aft’n; few other showers

3 81 60 60 T Sprinkle predawn then sunny day

4 84 54 58

**5** 80 51 **78**

6 83 52 64

7 81 58 69 0.61 Mod to hvy rain 1700-1820; o/w, ocnl lgt rain

8 84 68 71 0.01 light rain after 2200

9 80 60 60 0.34 Showers before dawn, distant thunder

10 81 54 66

11 74 58 58 0.01 Sprinkles midday into early afternoon

**12** 79 58 68 0.33 Rain at dawn; showers pre-dusk; fog late

13 90 67 72 0.07 Fog before dawn; TSTM nearby S during dawn

14 85 66 67 0.01 Light rain daybreak; TSTM S just out of earshot

15 91 61 72

16 78 66 74 0.04 VCTS predawn-0800 and late afternoon, lgt rain

17 93 **71** 71

18 74 60 60

**19** 78 54 **54**

20 82 **47** 60

21 84 56 67

22 84 63 65 0.44 TSTM nearby E late aft’n; rain late evening…

23 **70** 59 59 **1.29** …till forenoon, heavy at times

24 83 56 67

25 92 63 76

**26** 90 **71** 71 0.10 Light rain dusk, early night

27 82 69 69 0.19 Few showers AM

28 81 57 61

29 88 56 67

30 91 61 72

31 -- -- --

SUM 2499 1805 3.95 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 71.7 (-0.2)

Average Maximum Temperature (Dep): 83.3 (+0.8)

Average Minimum Temperature (Dep): 60.2 (-1.2)

Extreme Daily High Max Temp (Dep): 94 (-0) on 1st (record 100 on 15 Jun 1988)

Extreme Daily High Minimum Temp: 71 on 17th,26th (record 77 on 28 Jun 1999)

Extreme Daily Low Min Temp (Dep): 47 (-0) on 20th (record 38 on 03 Jun 1986)

Extreme Daily Low Maximum Temp: 70 on 23rd (record 59 on 02 Jun 2015)+

Heating Degree Days (Season): 0 (4540)

Cooling Degree Days (Season): 210 (320)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 3.95 (-1.36)

Total Annual Pcpn through Month: 24.53 (-0.53)

Greatest Calendar Day Pcpn: 1.29 on 23rd (record 3.64 on 19 Jun 2019)

Greatest Floating 24-Hour Pcpn: 1.73 on 22d-23d (rec 4.87 on 19-20 Jun 2019)

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

Total Season Snowfall (Dep): 18.1 (-10.2)

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): 6 (-1)

Highest Wind Gust (MPH): 32 on 17th

Maximum Barometric Pressure: 30.23 on 29th

Minimum Barometric Pressure: 29.56 on 9th

HIGHLIGHTS

The heat that ended May continued the first of June. That high of 94 endured as the month’s maximum. Even so, more warm than cool the first half of June accrued a modest temperature excess as of mid-month. But the overall cooling trend, keyed by an unusually late low of 47 on the 20th, resulted in a low-end normal average temperature of 71.7 (-0.2). The Reading (RDG) official low early that day also was 47, which edged under the previous record low for the 20th of 48 from 1926. That was the only low below 51. Fresh air from eastern Canada and astoundingly low dew points as low as the middle 30s contributed to this record low and then a strong rebound to the low 80s. June had many sunny days or clear nights which fostered more than usual cool lows and very warm highs. A scattering of seven days heated to at least 90, one more than average. But extreme or prolonged heat was absent. The average of the daily highs of 83.3 (+0.8) contrasted with the average of the daily lows of 60.2 (-1.2). The official average temperature for RDG was similar at 71.5. June 2021 was warmer on average at 73.6.

Total rainfall of 3.95” (-1.36) was moderately subnormal. While thunder was observed on six different days, it was mostly only distant and faint from dissipating storm cells or cells several miles away. None really scored a direct hit on Reading 4 SW. Downpours either missed or were of very brief duration. The key rain event was more a cool-season type rainstorm from evening of the 22nd till forenoon of the 23rd, which delivered 1.73” and prevented this June from ending as a really dry month. June 2021 was slightly drier at 3.37”. June rainfall totals in Berks County were mostly in the range of 3.0 to 5.5 inches with a dense clustering around 4.5”. The number and duration of downpours accounted for much of the variability. The official total at RDG was about the same as Reading 4 SW at 3.92”.

RANKINGS AND EXTREMES FOR THIS MONTH (JUNE)

Avg Temp 71.7 – 15th (2-way) coolest of 39 (68.3 in 2003 to 75.2 in 2010)

Precip 3.95 – 18th driest of 40 (1.15 in 1986 to 9.73 in 2007)

Snowfall 0.0 – Snow was never observed here during June.

The snow and heating years ended 30 June. Of the meager total of 18.1” (-10.2), 9.0 came during January. The biggest single snowfall was 4.7” during the early morning of 13 February. The span was short with first and last measurable snows on 6-7 January (3.5) and 12 March (3.6) respectively. Heating Degree Days (HDD) totaled 4540 (normal 4957). Quite chilly January contributed 1125. The count began with 1 on 3 September and ended rather early with 1 on 26 May.