**Reading 4 SW;** Berks County, PA; Lat 40°19.0'N,

CoCoRaHS ID: PA-BR-2, Reading 3.5 SW

Observer in Charge: Jeffrey R. Stoudt

Period of Record: Precipitation/Snow - January

**July 2007**

•

•

Lon 75°59.3'W, Elev 320 ft MSL   
Observation time: 2359 EST

|  |  |
| --- | --- |
| 1983, | Temperatures - June 1984 |

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

TEMPERATURES

MAX MIN OBS PCPN SNOW

76 56 61 DEPTH REMARKS (all times are military EST)

76 53 **57**

81 52 63 4th) -SHRA toward dawn (0.05); TSRA late...

81 **52** 63

72 0.40 ...aftn (0.30); VCTS - midnight (0.05).

67 **2.93** Ocnl -TSRA V ++TSRA 1340-2040 then -DZ.

68 T --SHRA before dawn. Fog (vsby 300') @daybreak.  
71

**77**

**77**

**77** 0.03 -SHRA at mid afternoon.

75 0.10 -SHRA at mid afternoon.

69

68

75

76

70 0.15 -TSRA 2030-2100.

73

71 0.10 --RA -daybreak; SHRA -1900.

**77** 0.13 --SHRA before dawn; SHRA -1400.

65

66

66

60

72

73

74

69 0.51 +TSRA 1730-1800.

75

Numerous -TSRA w/ brief +TSRA, mostly AM.

VCTS evening from N split away to E and W.

MONTHLY STATISTICS

|  |  |  |
| --- | --- | --- |
| • | Average Monthly Temperature (Dep):  Average Maximum Temperature (Dep):  Average Minimum Temperature (Dep):  Extreme Daily High Maximum Temp:  Extreme Daily High Minimum Temp:  Extreme Daily Low Minimum Temp:  Extreme Daily Low Maximum Temp:  Heating Degree Days (Season):  Cooling Degree Days (Season):  -- more -- | 74.9 (-1.0)  85.3 (-1.3)  64.5 (-0.8)  96 (-0) on 10th  72 on 10th  52 (-2) on 3rd  71 on 23rd  0 (0)  311 (681) |

DAY

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

75

83

86

87

92

94

**96**

87

83

84

85

92

88

90

86

83

81

84

83

**71**

86

63

67

66

61

64

71

**72**

71

64

61

59

70

70

64

71

68

65

58

59

60

54

65

70

69

67

69

70

67

1998

0.04 Ocnl -RA late morning to mid afternoon.

25 86

26 90

27 90

28 89

29 83

30 88

31 89   
SUM 2644

70 0.75

72

70

5.14

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):

5.14 (-0.04)

35.24 (+3.70)

2.93 on 5th

2.98 on 4th-5th

0.0 (-0.0)

0.0 (-0.0)

0.0 on

0.0 on

0

0

6 (-2)

•

|  |  |  |
| --- | --- | --- |
| Highest Maximum Minimum | Wind Gust (MPH):  Barometric Pressure:  Barometric Pressure: | 24 on 10th  30.21 on 3rd  29.62 on 19th |

|  |  |
| --- | --- |
| Average 4-Inch Soil Temps remained mostly in the 70s throughout the month  ranged from 66 on the 2'd and 24th to 87 on the 9th. They averaged several  degrees lower than usual for July. | and |

HIGHLIGHTS

Strong cool snaps out-dueled the heat this July. Seasonal warmth the last few   
days prevented this July from ranking in the coolest ten percent of 110 for the   
Reading area. Long term temperature trends for the month of July in the Reading   
area belies the "global warming" hype. An analysis of the monthly average   
temperatures since 1898 showed that nine of the ten coolest Julys occurred after   
1970; the other was 1956. That means one of four Julys since 1971 is among the   
ten coolest. Although the -1.0 departure seems moderate, it is being compared   
to a very cool dataset as six of those ten coolest occurred since 1984. This   
July was not without oppressive heat, but it was unimpressive.

The trend of frequent heavy thunderstorms that began in late May continued into   
early July and got July's cumulative precipitation count off to a strong start   
and climbed to within 2" of the entire monthly normal by the evening of the 5th   
Ironically, the trend changed abruptly such that the monthly total finished 0.04   
subnormal, even though heavy thunderstorm rainfalls occurred somewhere in the   
region once every few days on average all month long. However, those downpours   
missed this location after the 5th. There has yet to be a widespread moderate   
to heavy soaking this warm season save for T.S. Barry's moisture in early June.   
And while opportunities for heavy rainfalls have been numerous, they have all   
been scattered such that any locations that have missed them all have been   
enduring a very dry summer. Although Reading 4 SW grounds were drenched early   
in the month, the combination of dwindling rainfalls, abundant sunshine, fresh   
breezes, and occasional anomalously low dew points dried the grounds so that   
lawns were browning by month's end despite subnormal July temperatures.

RANKINGS AND EXTREMES FOR THIS MONTH

Avg Temp 74.9 - Tied with one other for eighth coolest of 24 Julys   
(71.9 in 2000 to 80.6 in 1999)

Precip 5.14 - Twelfth driest of 25 Julys (0.29 in 1999 to 15.54 in 2004)

•

•