0 4 + ( (+1)

4

4

**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

**April 2007**

|  |  |
| --- | --- |
| DAILY DETAILS (monthly extremesTEMPERATURES | in **bold)** |
| DAY MAX MIN OBS | PCPN | SNOW | DEPTH | REMARKS (all times are EST) |
| 1 51 44 44 | 0.19 |   |   | Ocnl aftn showers; elevated TS at midnight. |
| 2 78 42 50 | 0.04 |   |   | RA ended before 0100; very foggy at dawn. |
| 3 73 47 47 |   |   |   |   |
| 4 47 41 41 | 0.39 |   |   | RA, mostly dawn till 1000. |
| 5 42 34 34 | T | T |   | SN flurries at midday. |
| 6 42 31 33 |   |   |   |   |
| 7 **41** 31 37 | T | T |   | Ocn1 SN flurries. |
| 8 42 30 34 | T | T |   | Ditto; a bit wintry for Easter. |
| 9 45 30 40 |   |   |   |   |
| 10 49 29 **31** |   |   |   |   |
| 11 55 **26** 40 | 0.09 |   |   | RA after 1600 and mostly after 2300. |
| 12 49 38 46 | 0.78 |   |   | Moderate RA till daybreak, then ocnl sprinkles. |
| 13 50 37 37 |   |   |   |   |
| 14 56 34 45 | 0.11 |   |   | Light RA late evening. |
| 15 45 39 39 | **2.58** |   |   | Persistent lgt to mdt and sometimes heavy RA. |
| 16 44 35 42 | 0.47 | T |   | RA and some slush till dawn, then sprinkles. |
| 17 49 42 42 | T |   |   |   |
| 18 54 41 49 |   |   |   |   |
| 19 59 43 43 | 0.04 |   |   | Light RA dawn till late morning. |
| 20 72 40 47 |   |   |   |   |
| 21 77 39 51 |   |   |   |   |
| 22 82 40 67 |   |   |   |   |
| 23 **87** 50 **73** |   |   |   |   |
| 24 76 **58** 58 |   |   |   |   |
| 25 71 45 49 | 0.40 |   |   | RA mid afternoon tapered during early evening. |
| 26 58 48 48 | 0.40 |   |   | RA with some thunder late evening. |
| 27 59 47 56 | 0.46 |   |   | Thunder long before dawn; RA into late morning. |
| 28 66 49 57 | T |   |   | Shower around 0000 27/28 (0.02). |
| 29 75 48 55 |   |   |   |   |
| 30 82 46 54 |   |   |   |   |
| 31 |   |   |   |   |
| SUM 1776 1204 | 5.95 | T |   |   |

MONTHLY STATISTICS

Observation time: 2359 EST

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):

49.7 (-3.0)

59.2 (-5.0)

40.1 (-1.1)

87 (+3) on 23rd

58 on 24th

26 (-2) on 11th

41 on 7th

460 (4664)

6 (6)

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:

5.95 (+1.61)

17.27 (+1.27)

2.58 on 15th

2.60 on 14th-15th

T (-0.7)

20.0 (-9.3)

T on 16th

T on 16th-16th

T on 16th

27 on 16th, 17th
30.19 on 1st
28.90 on 16th

Average 4-Inch Soil Temps trended upward from mostly 40s during first half to
mostly 50s during second half and ranged from 39 on four different days to 68 on
the 23rd.

HIGHLIGHTS

April began and ended warm but was mostly cold and even a bit wintry at times in
between, enough so that this April's average of 49.7 edged under April 1988
(49.8) for the coldest April since at least 1985 at Reading 4 SW. Most of the
cool anomaly was contributed by the maximum temperature average of 59.2 which
slipped well under the previous lowest of 60.6 from April 1988. Precipitation
was generous and favorably distributed during the month and included some snow
on four different days, but it was all non-accumulating. This April was the
third consecutive month during which a major storm system had major impact on
the area at mid-month.

The mid-month nor'easter, which some attributed as "the first superstorm of the
21St Century," produced a very low barometer reading (SLP) of 28.90, which
probably is an April record low barometer for this area. While rainfall was
quite significant with at worst minor flooding in the Reading area, it was not
nearly as extreme as the over 6-inch rainfalls that were commonly reported to
the east, as nearby as 40 miles. At Reading 4 SW, the date amount of 2.58 on the
15th bettered the daily April amount of 2.38 from 1983, also on the 15th.

However, the greatest floating 24-hour precipitation of 2.60 this April fell
short of that April 1983 soaker which poured 3.09 within a 24-hour period. The
48-hour precipitation from this April's nor'easter reached 3.16, and when added
with a few light and moderate rainfalls, produced an April total of 5.95.
Though significantly wet, April 2007 fell far short of the April 1983 total of
9.81 and fifth place overall. As with many nor'easters, this one drew some cold
air such that a little sleet and wet snow mixed in during the predawn of the
16th. While only isolated patches of ground at Reading 4 SW were slightly and
briefly whitened, slushy accumulations of an inch or two were reported only a
few miles to the south, even at lower elevations. This appears to have been
winter's last hurrah.

RANKINGS THIS MONTH

Avg Temp 49.7 - First coldest of 23 Aprils

Precip 5.95 - Fifth wettest of 25 Aprils

Snowfall T - Tied with 9 others for sixth most snow of 25 Aprils