0.44 Early eve tstm; a fast mover

0.04 Few lgt AM showers; sprinkles

Clr till late morning then m/cloudy

Cldy then rapid clrg at sunset

Fine summer day after near rec low min

0.61 Aftn shwrs/tstm. Penny-size hail -1635

**1.52** Shwrs/tstms late morning on \ up to 5.86

0.81 Shwrs/tstms mostly before dawn / NW Berks
Tr

0.08 Mid-morning shower

0.25 Late eve tstm, much hvr NW

0.85 Lgt shwr bfr dawn. Midday tstm, brf downpour

Welcomed dry spell last 8 days

0.27 Tshwrs aftr dark. Missed daytime tstms.

0.07 Tshwrs, sprinkles before dawn.
5.28

Daily Details (extremes for month in **bold):**TEMPERATURES

|  |  |  |
| --- | --- | --- |
| • | **Reading 4 SW;** Berks County, PA**August 2004**Observer in charge: |  Lat 40°19.0'N, Lon 75°59.3'W Elev 320 ft MSLJeffrey R. Stoudt Observation Time: 2359 EST |

DAY MAX

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | 1 | 86 | **72** | 74 |
|   | 2 | 88 | 70 | **76** |
|   | 3 | 90 | 71 | 74 |
|   | 4 | 88 | 70 | 71 |
|   | 5 | 78 | 63 | 63 |
|   | 6 | 71 | 55 | 60 |
|   | 7 | **69** | 54 | **54** |
|   | 8 | 80 | **52** | 66 |
|   | 9 | 84 | 58 | 69 |
|   | 10 | 86 | 64 | 75 |
|   | 11 | 84 | 69 | 69 |
|   | 12 | 83 | 68 | 69 |
|   | 13 | 80 | 64 | 67 |
|   | 14 | 77 | 63 | 68 |
|   | 15 | 80 | 65 | 65 |
|   | 16 | 82 | 63 | 67 |
|   | 17 | 82 | 60 | 66 |
|   | 18 | 82 | 64 | 72 |
| • | 192021 | 86**91**78 | 726859 | 727159 |
|   | 22 | 77 | 53 | 57 |
|   | 23 | 83 | 54 | 67 |
|   | 24 | 82 | 64 | 68 |
|   | 25 | 80 | 64 | 64 |
|   | 26 | 82 | 62 | 71 |
|   | 27 | 85 | 70 | 74 |
|   | 28 | 90 | 70 | **76** |
|   | 29 | 88 | 71 | 73 |
|   | 30 | 83 | 71 | 73 |
|   | 31 | 78 | 63 | 63 |
|   | SUM | 2551 | 1990 |   |

SNOW DEPTH REMARKS (Time references are EST.)

Tstms till 0800; rafl up to 5" few miles SE

 MIN OBS PCPN

0.34

Monthly

Average
Average
Average
Extreme
Extreme
Extreme
Extreme
Heating
Cooling

statistics:

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):

73.2 (-0.5)

82.3 (-1.8)

64.2 (+0.9)

91 (-3) on 20th
72 on lst,19th
52 (+1) on 8th
69 on 7th

5 (5)

267 (898)

• -- more --

Total Monthly Precipitation (Dep): 5.28 (+0.87)
Total Annual Pcpn through August: 45.20 (+9.14)

Greatest Calendar Day Pcpn: 1.52 on 12th

Greatest Floating 24-Hour Pcpn: 2.25 on 12th-13th

Total Monthly Snowfall (Dep): 0 (-0)

Total Season Snowfall (Dep): 0 (-0)

Greatest Calendar Day Snowfall:

Greatest Floating 24-Hour Snowfl:

Maximum Depth of Snow/Ice:

Days with Hail: 1

Days with Thunder (Dep): 9 (+3)

Highest Wind Gust (MPH): 22 on 11th

Maximum Barometric Pressure: 30.29 on 25th,26th

Minimum Barometric Pressure: 29.70 on 4th

4-Inch Soil Temps stayed mostly in the 70s this August, a month during which
they have been mainly in the 80s in years past. They ranged from 67 to 84.

Highlights:

August rainfall totaled slightly above the normal range at Reading 4 SW after a
record breaking July of nearly triple August's sum. However, many locations a
few miles NW and SE collected over 7 inches. SE Berks County collected the
majority of August's catch during the first 12 hours of the new month with
deluges up to 5" which brought the third significant flood event in three weeks
and totals of 20 to 24 inches during the 30 days ending noon 1 August. After
the 1st, the action shifted to the NW third of the County where July totals were
more modest. Few locations amassed over 10" during August, mostly by the 21st.
Reading 4 SW narrowly missed a few torrential rain bands during the first 21
days. After the 21st, all areas enjoyed a much needed drying period until the
30th when scattered locations collected over 1 inch of rain.

The June-July-August rainfall total at Reading 4 SW came to 27.58. The official
JJA tally at the Airport came to 24.33, enough to beat the 1889 JJA running
total record of 22.02 and place second only to 24.70 from May-June-July 1989 for
any running three month period, displacing to third the 24.23 of April-May-June
1972 which included the deluge from Agnes. The Reading official running total for
the 24-month period ending August reached exactly 111.00 inches, third only to
111.77 from April 1972 to March 1974 and 117.14 from April 1889 to March 1891.

August often brings a brief taste of early autumn, but usually near the end of
August; not as early as this August's unseasonably cool period during the 6th
through 8th. This three day period was the major contributor to this August's
subnormal average temperature.

Temperatures ran cooler than average for the third month in a row, and all
because of anomalously subnormal maximum temperatures. Moderate or greater heat
has been shut out with no temperatures hotter than the low 90s all year long.
If no more 90s at the Airport this year, Reading will tie the 1992 record for
the fewest days of at least 90 (3) and tie the 1907 record for the coolest
annual maximum temperature of 91.

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