**CHRISTMAS CLIMATOLOGY – READING 4 SW, PA (LPWB)**

YEAR TEMPS PCPN/SNOW/DEPTH\* YEAR TEMPS PCPN/SNOW/DEPTH\*

1982 60/36 0.06 (Reading 3 N) 1983 **10**/**-1** 2

1984 49/26 0.05 1985 37/14 0.24/ 0.5/ T

1986 53/42 0.26 1987 55/41 0.15

1988 51/34 T 1989 29/10 T / T / 1

1990 31/15 1991 41/21

1992 35/15 T / T 1993 32/21 0.02/ 0.2/ T

1994 55/39 T 1995 33/23 T / T / **8**

1996 36/24 1997 52/38 0.51

1998 35/19 1999 30/16

2000 22/11 2 2001 36/27

2002 35/30 **2.66**/ **7.4** 7 2003 40/30 T / T

2004 31/16 T / T 2005 39/26 0.97/ / T

2006 55/43 0.04 2007 45/28

2008 55/26 T 2009 40/23 0.29/ / 1

2010 33/25 2011 48/25

2012 42/32 0.01 2013 29/19

2014 60/40 0.08 2015 62/**53** 0.11 (Foggy)

2016 49/29 2017 35/26 0.01/ T

2018 40/27 2019 46/22

2020 **63**/24 0.71/ T 2021 54/39 0.10

2022 29/14 2023 53/37

2024 40/31 2025

2026 2027

2028 2029

\* Snow pack depth near midnight

A White Christmas should have at least a half inch (a short inch) of general snow cover at sunrise Christmas Day. Several Christmases, most recently 2002, did not meet that criterion at sunrise, but became deeply snow covered later in the day. Such a Christmas could be called a “gray” Christmas. Other Christmas days with a light coating of snow could also be considered a “gray” Christmas. However, the above criteria are not official, and opinions may differ from the above, hence the “gray” terminology as in “gray” areas.

Compare Christmas Day averages for the 43 years of record (1982-2024) at LPWB with the LPWB (norms) smoothed from data a few days either side of 25 Dec.

 Average Max Temp: 42.4 (42) 1911

 Average Min Temp: 25.5 (27) 1028

 Average Mean Temp: 34.2 (34.5)

 Average Precip: 0.15 (0.13) 6.27

 Average Snowfall: 0.2 (0.3) 8.1