

Narrative Summary – August 2010

August 2010 was slightly cooler than normal, averaging 74.6°F, 0.8° below normal (75.4°F). The hottest August (1967) averaged 81.5°F, while the coolest (1964) averaged 69.8°F. There were 19 days in August with maximum temperatures $\geq 90^\circ\text{F}$ compared to an August normal of 17. There have been 45 days this year with maximum temperatures $\geq 90^\circ\text{F}$ compared to a normal (through August) of 47 days. There were 3 days in August with maximum temperatures $\geq 100^\circ\text{F}$ which is normal for August. There have been 9 days this year with maximum temperatures $\geq 100^\circ\text{F}$ compared to a normal (through August) of 12. The following daily temperatures records were established during August 2010:

<u>Date</u>	<u>Category</u>	<u>New Record</u>	<u>Old Record</u>	<u>Year</u>
18	High Minimum	71	71	1997 Tie
31	Low Maximum	68	72	1999 (and other years)

Precipitation for August 2010 totaled 0.13 inches, 48% of normal (0.27 inch). The wettest August (1977) received 1.36 inches, while the driest (1955 and 1988) received no precipitation. Total precipitation for 2010 (through August) is 5.66 inches, 139% of normal (4.07 inches).

The average wind speed for August 2010 was 8.6 miles per hour (mph), which was 0.7 mph above normal (7.9 mph). The windiest August (1996) averaged 9.5 mph, while the August with the lightest winds (1956) averaged 6.0 mph. The peak gust for August 2010 was 46 mph on August 26. The record wind gust for August was 66 mph in 1961.

The summer season of 2010 (June, July and August) was cooler than normal, averaging 72.7°F, 1.0° below normal (73.7°F). The hottest summer (1958) averaged 78.2°F, while the coolest summer (1980) averaged 70.2°F. The summer's highest maximum temperature was 105°F on July 9. The highest maximum temperature ever recorded at the Hanford Meteorology Station (113°F was recorded on August 4, 1961, July 13, 2002, and July 23, 2006). Summer season precipitation totaled 1.74 inches, 183% of normal (0.95 inch). The wettest summer (1950) received 2.99 inches, while the driest (1973) received only 0.03 inch.

If you are interested in receiving this information via email, please send a note saying so to: ken.burk@pnl.gov

The monthly climatological data summaries, as well as other information, are available on the Internet. Address: <http://hms.pnl.gov/>

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Note: The data in this summary pertain specifically to the Hanford Meteorology Station (HMS), which is located approximately 25 miles northwest of Richland, WA. No attempt should be made to infer meteorological conditions at other locations from these data.