

Narrative Summary – July 2011

July 2011 was cooler than normal, averaging 73.4°F, 3.7° below (77.1°F). The hottest July (1985) averaged 82.2°F, while the coolest (1993) averaged 70.5°F. There were 12 days in July with maximum temperatures $\geq 90^\circ\text{F}$ compared to a July normal of 20. There have been 14 days this year with maximum temperatures $\geq 90^\circ\text{F}$ compared to a normal (through July) of 31 days. There were no days in July with maximum temperatures $\geq 100^\circ\text{F}$ compared to a July normal of 6. This ties a record for July set in; 1948, 1963, 1986, and 1993. There have been no days this year with maximum temperatures $\geq 100^\circ\text{F}$ compared to a normal (through July) of 7. According to our records, beginning in 1945, this is the first time we have gone into August with no temperatures $\geq 100^\circ\text{F}$. The following daily temperature records were established in July 2011:

| <u>Date</u> | <u>Category</u> | <u>New Record</u> | <u>Old Record</u> | <u>Year</u> |
|-------------|-----------------|-------------------|-------------------|-----------------|
| 9 | Low Minimum | 50 | 50 | 1972 and others |
| 20 | Low Minimum | 51 | 53 | 1968 and others |

Precipitation for July 2011 totaled 0.12 inches, 52% of normal (0.23 inch). The wettest July (1993) received 1.76 inches, while the driest (2003) received no precipitation. Total precipitation for 2011 (through July) is 3.41 inches, 85% of normal (4.01 inches).

The average wind speed for July 2011 was 8.9 miles per hour (mph), which was 0.3 mph above normal (8.6 mph). The windiest July (1983) averaged 10.7 mph, while the July with the lightest winds (1955) averaged 6.8 mph. The peak gust for July 2011 was 48 mph on July 7. The record wind gust for July was 69 mph in 1979.

The monthly climatological data summaries, as well as other information, are available on the Internet.

Address: <http://www.hanford.gov/hms>

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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.