

## Narrative Summary – September 2019

September 2019 was colder than normal, averaging 65.7°F, 0.7° below normal (66.4°F). The hottest September (1990) averaged 72.4°F, while the coolest (1985) averaged 58.8°F. There were 4 days in September with maximum temperatures  $\geq 90^\circ\text{F}$  compared to a normal of 6. There were 60 days this year with maximum temperatures  $\geq 90^\circ\text{F}$  compared to a normal of 56 days. The low maximum of 46°F on September 29 set a record low maximum for the month. The previous monthly record was 52°F (September 22, 1984).

The following daily temperature record was established:

<u>Date</u>	<u>Category</u>	<u>New Record</u>	<u>Old Record</u>	<u>Year</u>
28	Low Maximum	54	58	1977
29	Low Maximum	46	57	1977
30	Low Maximum	54	54	2007 (Tied)

Precipitation for September 2019 totaled 0.27 inches, 87% of normal (0.31 inch). The wettest September (1947) received 1.34 inches, while the driest (1991 and 1999) received no precipitation. Total precipitation for 2019 (through September) is 8.17 inches, 182% of normal (4.50 inches). This is a record pace for yearly precipitation through September. The previous record for January through September was 8.08 inches (1995). On September 28, an unseasonably cold air mass swept over the region, leading to a nice coating of snow on Rattlesnake Mountain. This is the earliest recorded snow on Rattlesnake Mountain. The previous record for earliest snow on the mountain was Oct 5 (1957). This cold air mass also led to some brief wintery precipitation (mixed with the rain) at HMS on September 29. This is the first time such an occurrence has happened at HMS in September.

The average wind speed for September 2019 was 8.0 miles per hour (mph), which was 0.7 mph above normal (7.3 mph). The windiest September (1961) averaged 9.2 mph, while the September with the lightest winds (1957) averaged 5.4 mph. The peak gust for September 2019 was from the northwest at 44 mph on September 7. The record wind gust for September is 65 mph in 1953.

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

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

Or contact:

HMS staff: 373-2716 [Hanford\\_Weather\\_Station@rl.gov](mailto:Hanford_Weather_Station@rl.gov)

**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.

