

Eglin Air Force Base and Duke Field Climate Summary September 2023

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After experiencing the hottest month on record for Eglin AFB and Duke Field in August of 2023, September of 2023 was a much more normal month for temperatures. The daily mean temperature dropped 6.7 deg F from the previous month! However, for the second consecutive month, we had significantly below normal precipitation.

For KVPS, September of 2023 had a mean daily temperature of 79.1 deg F (26.2 C) which was just 0.1 deg F above the normal of 79 deg F for the recent ten-year climatological period from 2013 to 2022. September of 2023 ranked in a tie (with 2014 and 1998) for the 30th warmest September since 1940, which was basically in the “middle of the pack” for previous September months at KVPS. September of 2023 was the second consecutive abnormally dry month for Eglin AFB. A total of 2.95” of rainfall was recorded during the month, which was 3.55” below the normal September rainfall amount of 6.5”. The month of September of 2023 was the 23rd driest September for KVPS since 1940. There were 8 days with thunder reported during the month, compared to the normal amount of TS days for September of 9 days for KVPS.

Duke Field (KEGI) had a daily mean temperature of 77.6 deg F (25.3 deg C). At KEGI there was only 2.53” of rainfall during the month. A total of 7 thunderstorm days occurred at KEGI, which was one day less than the total number of thunderstorm days recorded at KVPS during the month.

Daily Records:

There were two daily maximum temperature records tied for KVPS, and two new daily minimum temperature records set for KEGI. No new daily maximum precipitation records were tied or set during the month at either KVPS or KEGI.

Eglin AFB (KVPS):

Daily Maximum Temperature Records

8th: 95 deg F (tied previous record set in multiple years including: 2019, 2005, 1954, 1951, and 1949).

9th: 94 deg F (tied previous record from 2020, 1954 and 1945).

There were no daily minimum temperatures tied or set during the month.

Duke Field (KEGI):

Daily Minimum Temperature Records:

18th: 59 deg F (previous record of 60 deg F set in 1981)

19th: 56 deg F (previous record of 61 deg F set in 2012)

In summary, September of 2023 had near normal daily mean temperatures, and was the second consecutive month with less than half of the normal precipitation amounts for both KVPS and KEGI.