

## Eglin Air Force Base and Duke Field Climate Summary February 2025

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After experiencing a tie for the 16<sup>th</sup> coldest month on record for KVPS for January of 2025 over an 86-year period of record dating back to 1940, we rebounded to have a tie for the 10<sup>th</sup> warmest February on record. Through the first 12 days of the month, we had exceptionally above normal temperatures for KVPS. As of 12 February, we were on pace to have our all-time warmest month on record for February, but the weather pattern quickly shifted from well above normal during the first twelve days of the month to below and sometimes well below temperatures for most of the remainder of the month (except for the final five days of the month, which were near normal). For February of 2025, the mean daily temperature for KVPS was 59.6 deg F (15.4 deg C) which was 1.6 deg F above normal for the month. As noted above, February of 2025 was tied (with 2001) as the 10<sup>th</sup> warmest February on record. The warmest temperature during the month at KVPS was 77 deg F on the 9<sup>th</sup>. The coldest temperature during the month was 28 deg F on the 21<sup>st</sup>, (which was a record low temperature for the date for KVPS). For precipitation, we had a relatively dry month with a total of 2.75" of rainfall at KVPS, which was 1.85" below normal. Of that 2.75" amount, more than half of the month's precipitation (1.66") occurred on the 19<sup>th</sup>, which was a record precipitation amount for that date. There were two thunderstorms reported at KVPS in February, which was one below normal for the month.

For KEGI, the mean daily temperature for the month was calculated to be 59.0 deg F (15.0 deg C). The warmest temperature during the month at KEGI was 80 deg F (26.7 deg C) on the 9<sup>th</sup>. The coldest temperature was 26.7 deg F (-3.0 deg C) on the 21<sup>st</sup>. There was a total of 2.81" of rainfall during the month at KEGI. Two days with thunderstorms were reported at KEGI during the month.

### Daily Records:

For KVPS, we set one new minimum temperature record and a daily precipitation record. This record broke a daily record which had stood for

83 years (since 1942). No new maximum temperature records were tied or set during the month for KVPS.

For KEGI, there were six new daily record maximum temperature records (all during the first ten days of the month), one new daily precipitation record, and one daily minimum temperature record was tied. The daily maximum temperature record at KEGI on the 9<sup>th</sup> was estimated since that was a weekend day (during a sensor outage period). But there is good evidence from the two closest RAWS sensors to KEGI that a record high temperature was set on that date.

February daily records for KVPS:

Record daily minimum temperatures:

21<sup>st</sup>: 28 deg F broke the previous record of 29 deg F set in 1942.

Daily precip records:

19<sup>th</sup>: 1.66" (previous record of 1.56" in 1990).

February Daily Records for KEGI:

Record Daily Maximum Temperature Records:

4<sup>th</sup>: 78 deg F broke record of 75 deg F in 2012.

5<sup>th</sup>: 76 deg F broke the previous record of 72 deg F from 2020 and 2019.

6<sup>th</sup>: 77 deg F broke the previous record of 75 deg F from 2017.

7<sup>th</sup>: 78 F broke the previous record of 76 deg F from 2018 and 2017.

9<sup>th</sup>: 80 deg F (estimated) broke the previous record of 77 deg F from 1982.

10<sup>th</sup>: 77 deg F broke the previous record of 73 deg F set in 2020.

Record daily minimum temperatures:

21<sup>st</sup>: 27 deg F, tied the previous record set in 2023.

Daily Precip Records

19<sup>th</sup>: 1.39” broke the previous record of 0.85” set in 1975.

In conclusion, February of 2025 was kind of a “seesaw” month for temperatures. The month started out significantly above normal through the first twelve days but then took a dramatic turn to well below normal temperatures through most of the remainder of the month except moderating back to near normal temperatures through the final five days of the month.