

# Eglin Air Force Base and Duke Field Climate Summary

## December 2024

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Overall, December of 2024 had below average temperatures and also below average precipitation. As is typical for our winter months, the temperatures fluctuated quite a bit throughout the month with periods of both above and below normal temperatures at various times during the month. For KVPS, the mean daily temperature for December 2024 was 55.9 deg F (13.3 deg C) which was 2.1 deg F below the ten-year (2014 – 2023) average of 58 deg F. The 13.3 deg C mean daily temperature ranked in a tie (with 1978 and 2012) as the 26<sup>th</sup> warmest December on record out of the 86-year period of record dating back to 1939. The warmest temperature during the month was 77.7 deg F (25.4 deg C) on the 18<sup>th</sup>. The coldest temperature during the month was 29.8 deg F (-1.2 deg C). For precipitation, KVPS had a total of 2.98” of rainfall, which was 1.62” below the 86-year KVPS period of record for December. There were two days with a TS reported, which was one below normal for the month.

For KEGI, the mean daily temperature was 53.0 deg F (11.7 deg C). The warmest temperature during the month was 79.2 deg F (26.2 deg C) on the 17<sup>th</sup>. The coldest temperature was 21.9 deg F (-5.6 deg C) on the 4<sup>th</sup>. There was a total of 3.81” of rainfall during the month at KEGI. There were three days with thunderstorms reported during the month for KEGI.

### Daily Records:

There were no daily max, min or rainfall records tied or set during the month for KVPS.

For KEGI, there were no daily precipitation records tied or set during the month, but we broke one maximum temperature record and tied one maximum temperature record. Additionally, we broke one minimum temperature record during the month for KEGI.

### December Daily Temperature Records for KEGI:

## Maximum Temperature Records:

17<sup>th</sup>: 79 deg F broke record of 78 deg F in 1971

18<sup>th</sup>: 79 deg F tied record from 2006

## Minimum Temperature Records:

4<sup>th</sup>: 22 deg F broke record of 27 deg F set in 2007.

**Annual information for 2024:** For Eglin AFB (KVPS), which has temperature and precipitation records dating back to November of 1939, the year 2024 has shattered our all-time annual mean daily temperature record for any year for the absolute warmest year ever for KVPS since 1940. In 2024, we had a mean daily temperature at KVPS of 21.5 deg C (70.7 deg F). This mean daily temperature was a full 0.5 deg C warmer than the previous warmest years for KVPS, which was a four-way tie of 21.0 deg F for the years of 2023, 2020, 2015, and 1998. So, when looking at the scale of a full year of 365 or 366 days over the past 85 years, dating back to 1940, the mean daily temperature for KVPS for 2024 of 21.5 deg C broke the previous record by a very substantial amount. In addition to our record-breaking warm year of 2024, in the past ten years, eight of the years have ranked among the 15 warmest years on record for KVPS as follows: 2024 was the warmest year on record, the years 2023, 2020, and 2015 ranked a tie for second warmest, 2017 and 2019 ranked a tie for the 6<sup>th</sup> warmest, 2016 ranked a tie for the 9<sup>th</sup> warmest, and 2018 ranked in a tie for the 13<sup>th</sup> warmest. The other two years since 2015 which were not in the top 15 warmest years on record since 2015 were 2021 (tied for 24<sup>th</sup> warmest) and 2022 (tied for 29<sup>th</sup> warmest). Among the most substantially above normal temperature months during 2024 were May (2<sup>nd</sup> warmest on record), June (tied for fifth warmest on record), July (tied for warmest on record), August (2<sup>nd</sup> warmest on record), and November (tied for warmest on record).