

# Eglin Air Force Base and Duke Field Climate Summary

## July 2024

**Mr. David Biggar**  
**Staff Meteorologist, 96th Weather Squadron**

July of 2024 tied the all-time record high for July (dating back to 1940) for the mean daily temperature (tied with 1957). The mean daily temperature for Eglin AFB (KVPS) for July 2024 was 84.6 deg F (29.2 deg C). The mean daily high temperature at KVPS this past month was 91.6 deg F (33.1 deg C), and the mean daily low temperature was 77.4 deg F (25.2 deg C). This past month of July had warmer average daily low temperatures and cooler average daily high temperatures compared to the original record warm July of 1957, but both averaged out to having a mean daily temperature of 29.2 deg C for the month. While July of 1957 tied July of 2024 for the warmest mean daily temperature on record, the year 1957 had a mean daily high temperature which was 0.9 deg C higher than our mean daily high temperature in July of 2024, but the mean daily low temperature at KVPS in July 2024 was 0.9 deg C higher than the mean daily low temperature in July in 1957.

We have now had three consecutive months at KVPS which have ranked among the top five months on record for each respective month. We had a tie for the warmest month on record for July, a tie for the fifth warmest month on record for June, and the second warmest May on record for KVPS, dating back to 1940. For precipitation at KVPS, had a third consecutive month with above average precipitation. As mentioned in the previous paragraph, KVPS had a mean daily temperature of 84.6 deg F (29.2 deg C) for the month of July 2024. This mean daily temperature of 84.6 deg F was 2.6 deg F above the ten-year 2013 – 2022 climatological mean temperature of 82 deg F for July. The warmest temperature during July of 2024 was 96.3 deg F (35.7 deg C) on 1<sup>st</sup>, and the coolest temperature during the month was 73.6 deg F (23.1 deg C) on the 26<sup>th</sup>. For precipitation, KVPS had a total of 8.54” of rainfall during the month, which was 0.96” above the historical July average of 7.6” of rainfall. We had plentiful thunderstorm activity in the area throughout the month, especially starting on the 16<sup>th</sup>, when we began a streak of sixteen straight days with TS activity reported at KVPS. For the entire month, we had a total of 21 days with TS reported in the KVPS weather observations, which is two days above the normal for the month of 19 TS days at KVPS.

For KEGI, the mean daily temperature was 84.1 deg F (28.9 deg C). The warmest temperature during the month at KEGI was 97.3 deg F (36.3 deg C) on the 12<sup>th</sup>, and the coldest temperature during the month was 72.1 deg F (22.3 deg C) on the 26<sup>th</sup>. For precipitation, KEGI had a total of 7.49" of rainfall during the month. There were 20 days with thunderstorms reported at KEGI in July 2024.

Daily records:

Despite the overall very warm temperatures during the month, no new daily maximum temperature records were tied or set for KVPS during the month of July. One new daily precipitation record was set during the month, and no new daily minimum record temperature records were tied or set during the month for KVPS. For KEGI, we did tie one daily maximum temperature record during the month. There were no new daily minimum temperature records and no new daily precipitation records tied or set during the month of July 2024 for KEGI.

KVPS

Precipitation Records for July 2024:

18 July: 2.88" broke previous record of 2.71" set in 1949.

KEGI

Temperature Records for July 2024:

Maximum Temperature Records

25 July 2024: 95 deg F tied the previous record from 2023, 2021, and 2012.