

## Eglin Air Force Base and Duke Field Climate Summary August 2024

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The abnormally hot weather has continued for yet another month for KVPS and KEGI. We also had the all-time driest August on record, dating back to 1940. For KVPS, August of 2024 had a mean daily temperature of 85.6 deg F (29.8 deg C), which made August of 2024 the second warmest August on record (and the second warmest of any month on record, dating back to 1940) for KVPS. We only missed tying last year's all-time record warm August by a mere 0.1 deg C! The average mean daily temperature for KVPS in August of 2024 was 3.6 deg F above normal for the month. The warmest temperature during the month of August 2024 for KVPS was 101 deg F, and the coolest temperature was 72 deg F. Amazingly, August of 2024 was the fourth consecutive month for KVPS to experience well above normal temperatures. The month of July 2024 was tied for the warmest July on record, June was tied for the fifth warmest June on record, and May of 2024 was the second warmest May on record. Additionally, both KVPS and KEGI had abnormally dry weather during the month. August of 2024 was the driest August on record for KVPS with only 0.65" of rain. The previous record for KVPS for the driest August on record was 1.90" of rainfall in August of 1986. At KEGI there was only a total of 0.97" of rain during the month. We only had a total of five days with a thunderstorm reported during the month (well below the normal August amount of 18 thunderstorm days).

For KEGI, the mean daily temperature was 84.8 deg F (29.3 deg C). The warmest temperature during the month at KEGI was 101.4 deg F (38.6 deg C), and the coldest temperature during the month was 65.48 deg F (18.6 deg C). As previously mentioned, for precipitation, KEGI had a total of only 0.97" of rainfall during the month. There were only seven days with thunderstorms reported at KEGI in August 2024.

Daily records:

There were quite a few daily high temperature records tied or set during the month. After a weak cold front affected the area between the 20<sup>th</sup> and 22<sup>nd</sup> of the month, KEGI even set two new record low temperatures during the month. (With its much smaller historical database than KVPS, daily

records tend to be tied or set much more often at KEGI, as compared to KVPS.) As you would expect in such dry conditions, no new daily high precipitation amount records were tied or set during the month. Interestingly, the four daily maximum temperatures tied or set during the month for KVPS tied or broke records from way back in the 1940s and 1950s. For the nine daily maximum temperature records tied or set during the month for KEGI, all but two of the records were from just last year in 2023.

## KVPS

### Maximum Temperature Records for August 2024:

6 August: 101 deg F broke the previous record for the date of 98 deg F set in 1953.

11 August: 98 deg F broke the previous record of 97 deg F set in 1954.

14 August: 97 deg F tied the previous record set in 1943.

18 August: 99 deg F broke the previous record of 97 deg F set in both 1952 and 1946.

## KEGI

### Temperature Records for August 2024:

#### Maximum Temperature Records

6 August 2024: 100 deg F broke the previous record of 97 deg F from 2023 and 1980.

7 August 2024: 99 deg F tied the previous record from 1972.

8 August 2024: 100 deg F broke the previous record of 99 deg F set in 1972.

10 August 2024: 98 deg F broke the previous record of 97 deg F set in 2023.

11 August 2024: 98 deg F broke the previous record of 96 deg F set in 2023.

13 August 2024: 98 deg F broke the previous record of 96 deg F set in 2023.

14 August 2024: 100 deg F broke the previous record of 97 deg F set in 2023.

18 August 2024: 101 deg F broke the previous record of 97 deg F set in 2023 and 2011.

19 August 2024: 97 deg F tied the record set in 2023 and 2017.

### Minimum Temperature Records:

20 August 2024: 69 deg F broke the previous record of 70 deg F set in 2014 and 2012.

21 August 2024: 65 deg F broke the previous record of 67 deg F set in 2020.