

Eglin Air Force Base and Duke Field Climate Summary July 2021

Mr. David Biggar
Staff Meteorologist, 96th Weather Squadron

The first half of the month was unusually cloudy with at least some rainfall occurring almost every day (though total rainfall amounts for the month at KVPS were not impressive). The first day with a maximum temperature of at least 90 degrees F did not occur till the 15th, when the maximum temperature reached 90.5 degrees F. However, the last ten days of the month were consistently hotter, with nine of the last ten days having maximum temperatures of at least 90 degrees F (with the maximum temperature for the month of 94.8 degrees F on 23 July).

For temperatures, the month of July was near normal, with a daily mean temperature of 81.3 deg F (27.4 deg C) which was 0.3 deg F above the normal daily mean temperature for KVPS in July of 81 deg F. Over the 82 year history of the KVPS July weather observations, July of 2021 ranks as a tie for the 30th “coolest” July (tied with the year 1954). At Duke Field, the mean daily temperatures in July were nearly identical to KVPS. At KEGI, the mean daily temperature in July of 2021 was 81.2 deg F (27.3 deg C).

For precipitation, the difference in monthly precipitation between KVPS and KEGI was quite large. At KVPS, the total amount of rainfall in July of 2021 was 5.33”, which was 2.32” below the average of 7.65” (since 1940). This was the 7th year in a row in which KVPS has had below normal rainfall in July. For KEGI, the total amount of rainfall during July of 2021 was quite the opposite of the rainfall amount at KVPS. At KEGI there was a total of 12.91” of rainfall during the month, which was more than double the amount of rainfall which occurred at KVPS during the month. (Note that the rainfall data for KEGI for 27 and 28 July at KEGI was estimated, due to apparent inaccuracies in the precipitation measurements at KEGI on those dates when little to no rainfall was recorded, despite extensive periods of time with showers and thunderstorms, occasionally with heavy rainfall, during the period. Despite the below average rainfall amount at KVPS during the month, there were a total of 22 thunderstorm days at KVPS in July 2021, which was two days above the normal July average. There were 20 days with thunderstorms recorded at KEGI during the month.

Daily Temperature and Rainfall Records:

There were no daily maximum, minimum, or rainfall records recorded during July of 2021 at KVPS.

For KEGI, we had the following new daily records:

Temperatures:

13th: New daily record of 68 degrees F (previous record not available).

Precipitation:

2nd: New daily rainfall record of 1.89" (previous record was 1.48" set in 1984).