

Eglin Air Force Base and Duke Field Climate Summary September 2022

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We had a very normal September month for our area for temperatures. September was the third month in a row where our daily mean temperatures for the month were very close to normal.

At KVPS, we had a daily mean temperature during the month of 78.7 deg F (25.9 deg C) which was 0.3 degrees F below normal. September of 2022 ranked in a tie with four other years for the 37th warmest September on record (of 83 total years). So overall, the daily mean temperatures for September were very close to normal for the month.

For precipitation, the generally wet conditions we had since July, with nearly daily thunderstorm activity in the area continued through around 12 September, and then abruptly stopped. Since 13 September, 2022, neither KVPS nor KEGI have had any measurable precipitation or recorded thunderstorm days. The total precipitation for the month at KVPS was 4.89", which was 1.61" below the normal September precipitation of 6.5". Of the total of 4.89" of rainfall during the month, 92.2 percent of the rainfall (4.51") occurred on the 9th, 10th, and 11th of the month. For thunderstorm days, we had a total of 6 days with thunder reported during the month (compared to the normal of 9 days for the average September month). No tropical weather systems provided any precipitation to our area during the peak month of the hurricane season. We remained on the totally dry western side of hurricane Ian, which made landfall in southwest Florida as a strong category 4 hurricane on 28 September.

For Duke Field, we had a daily mean temperature for the month of September 2022 of 76.8 deg F (24.9 deg C). The total precipitation during the month was only 2.30" of rainfall. There were only five days with thunder reported during the month. Note that the temperature and precipitation data for the 2nd, 3rd, 4th, 5th, and 11th were estimated for KEGI in September. There was a major equipment and/or power outage problem at KEGI during the four-day Labor Day week-end, when there was no forecaster on duty at KEGI (which is a limited duty station). Another equipment or power outage issue affected the data on Sunday, 11th September. RAWS observing sites of B70 to the southwest of KEGI, and C64 to the east-northeast of KEGI were used to approximate the max and

min temperature data, the precipitation data, and even the occurrence or non-occurrence of thunder on those dates.

Daily temperature and precipitation records for KVPS and KEGI:

For KVPS, there was one daily record high temperature (tie), and no new daily record minimum temperatures or daily precipitation records.

20th September 2022: The high temperature of 94 degrees F tied the previous record set in 2016.

For KEGI, there were two new daily high temperatures set during the month and two daily minimum temperature records tied or set during the month. There were no new daily precipitation records.

Record Daily Maximum Temperatures:

21st September: 96 deg F, broke previous record of 95 deg F, set in 2010

22nd September: 96 def F, broke previous record of 95 deg F, set in 1990

Record Daily Minimum Temperatures:

28th September: 53 deg F, broke previous record of 54 deg F set in 2010

29th September: 54 deg F, tied the previous record set in 2010