

## Eglin Air Force Base and Duke Field Climate Summary October 2023

Mr. David Biggar  
Staff Meteorologist, 96th Weather Squadron

For KVPS, October of 2023 had a mean daily temperature of 69.5 deg F (20.8 deg C) which was 2.5 deg F below the normal daily mean temperature of 72 deg F for the recent ten-year climatological period from 2013 to 2022. October of 2023 ranked in a tie (with 1997 and 1942) for the 35<sup>th</sup> coolest October since 1940, which meant that October of 2023 was slightly cooler than the “middle of the pack” for previous October months at KVPS. October of 2023 was the third consecutive abnormally dry month for Eglin AFB. A total of 1.18” of rainfall was recorded during the month, which was 2.42” below the normal October rainfall amount of 3.6”. The month of October of 2023 was the 21<sup>st</sup> driest October for KVPS since 1940. With the overall dry weather pattern, we have had for the first ten months of 2023 (including no significant tropical weather precipitation events), we are likely to have one of the ten driest years on record for 2023, unless we get at least eight inches of rainfall in the next two months. Since we are expecting above normal precipitation overall during our cool season months of November 2023 through February 2024 this year due to the ongoing El Nino event, we have a chance to have at least eight inches of rain over the next two months, but it’s also very possible that we won’t get that much rainfall by the end of the year.

There was only one day with thunder reported during the month of October, compared to the normal amount of two TS days for October for KVPS.

Duke Field (KEGI) had a daily mean temperature of 67.6 deg F (19.8 deg C). At KEGI there was only 1.03” of rainfall during the month. There were no thunderstorms reported at KEGI.

### Daily Records:

There were no daily maximum or minimum temperature records tied for KVPS during October 2023. For KEGI, there was one new daily maximum temperature record tied during the month and two new daily minimum temperature records set during the month. No new daily maximum

precipitation records were tied or set during the month for KVPS, and one new daily precipitation record was set for the month for KEGI.

Duke Field (KEGI):

Daily Maximum Temperature Records:

23<sup>rd</sup>: 87 deg F (tied previous record set in 2020 and in 1949)

Daily Minimum Temperature Records:

8<sup>th</sup>: 43 deg F (previous record of 48 deg F set in 2010)

9<sup>th</sup>: 38 deg F (previous record of 52 deg F set in 2012...broke previous record by 14 deg F!) (Note that the overall climo dataset for KEGI is much more limited compared to KVPS so daily records are much more possible at KEGI, even very substantial new records.)

Daily Precipitation Records:

11<sup>th</sup>: 0.91" broke previous record of 0.73 set in 1983.

In summary, October of 2023 had below daily mean temperatures, and was the third consecutive month with less than half of the normal precipitation amounts for both KVPS and KEGI.