Eglin Air Force Base and Duke Field Climate Summary
June 2023

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For KVPS, June turned out to be a below normal month for temperatures and an above normal month for precipitation. The first twenty-five days of the month had mostly below normal temperatures with only a few slightly above normal days for the recent 2012 to 2021 ten-year temperature climatology period. Before the temperatures became well above normal on the last five days of the month as a period of extreme heat developed over the area, June of 2023 was on track to be one of the ten coolest June months on record for KVPS. However, the extreme heat during the last five days of the month brought the daily mean temperature for KVPS up to 79.2 deg F (26.2 deg C) which was only 0.8 deg below the 2012 to 2021 climatological average. However, dating back to when the KVPS climatological records began in 1940, June of 2023 ranks in a tie (with 1942, 1964, and 1996) for the 22nd coolest June on record in the past 84 years. For precipitation during June of 2023, KVPS had a total of only 7.09", which was 1.29" above normal. However, due to an outage of the precipitation accumulation sensor at KVPS during the Juneteenth holiday weekend from 16 to 19 June (which was a very active period for thunderstorms in the area), we do not know the exact rainfall totals at KVPS during that period of time. The rainfall data for each of those dates was estimated, based on nearby daily rainfall totals from the closest RAWS weather observation sites at B71 and A3. Except for the first three and last three days of the month, June was a very active period for thunderstorms at KVPS, with the month's total of 17 thunderstorm days occurring between 4 and 27 June 2023. During portions of this period, severe thunderstorms (with high winds) were an almost daily threat. Wind gusts of 56 kts, 49 kts, and 58 kts were recorded at KVPS on 16, 18, and 26 June, respectively. (The large number of days during the month with actual (or potential) severe weather during June of 2023 was quite unusual.) The normal total number of thunderstorm days for June at KVPS is 15 days, so the 17 thunderstorm days during the month were just two days above the normal amount.

For Duke Field (KEGI), we had a daily mean temperature of 79.4 deg F (26.3 deg C). We had more rainfall during the month at KEGI (8.74") compared to the 7.09" of rainfall during the month at KVPS (although as explained in the first paragraph, we really don't know exactly how much rainfall we had

during the month at KVPS due to the precipitation accumulation sensor outage from 16 to 19 June). Note that we also don't know exactly how much precipitation occurred at KEGI on 10 June 2023. There was thunderstorm activity at KEGI on that date, but there was a weather observation system problem during the weekend of 10 June 2023, which caused me to have to estimate the precipitation data on 10 June, and the minimum temperature on 11 June.) There was a total of 16 thunderstorm days reported at KEGI, which was just one less than the total number of thunderstorm days recorded at KVPS during the month.

Daily Records:

Eglin AFB didn't have any new daily maximum temperature or minimum records, or daily precipitation records tied or set during the month.

Duke Field, with its much smaller historical database compared to Eglin AFB, generally ties, or sets many more daily temperature and precipitation records than Eglin AFB. During June of 2023, KEGI tied or set five new daily records for minimum temperatures, but there were no new daily records tied or set for daily maximum temperatures or precipitation at KEGI in June of 2023.

Daily Temperature Records for Duke Field:

Minimum Temperature Records:

4th: 64 deg F (tied the previous record from 2022)
5th: 63 deg F (tied the previous record from 2018)
6th: 61 deg F (previous record of 63 deg F, set in 2009)
7th: 63 deg F (tied the previous record from 2006)
24th: 66 deg F (tied the previous record from 2016)

So, June of 2023 was an overall pleasant month for temperatures (compared to normal) with plentiful rainfall through the first 25 days of the month, before the temperatures became well above normal with decreasing amounts of daily rainfall through the last five days of the month.