

Eglin Air Force Base and Duke Field Climate Summary February 2023

Mr. David Biggar
Staff Meteorologist, 96th Weather Squadron

February continued the trend for the winter of 2022/2023, with above normal temperatures, and below normal precipitation. In fact, for February, the mean daily temperatures were well above normal, and the mean monthly precipitation was well below normal for the month. The mean daily temperature for KVPS for February of 2023 was 16.5 deg C (61.7 deg F), which is 3.7 deg F above the 2011-2020 10-year mean daily temperature for January of 58 deg F. At KVPS, the minimum temperature only dipped below the freezing mark on one day, 18 February, when the minimum temperature at KVPS was -0.9 deg C (30.4 deg F). Compared to all years in the KVPS climatology record since 1940, February of 2023 ranked as the 4th warmest February on record behind the years of February of 2018, 1957, and 2019. There was a total of only 1.50" of rainfall during the month at KVPS, which was 3.30" below the mean February precipitation amount of 4.8". This was now the sixth consecutive month of below average precipitation at KVPS. There was only one day with thunderstorm activity reported at KVPS, which is two below normal for February.

At KEGI, the mean daily temperature for the month was almost identical to KVPS. At KEGI the mean daily temperature for February was 16.5 deg C (61.6 deg F), with a rounding issue leading to the 0.1 deg F difference in mean daily temperatures between the two locations. The total amount of precipitation during the month was 1.88". There were no days with any thunderstorm activity reported during the month at KEGI.

Daily temperature and precipitation records for KVPS and KEGI:

For KVPS there was one daily maximum temperature record tied during the month. At KEGI (with a much smaller historical climatological record than at KVPS), there were a total of six new daily maximum temperature records set during the month, and three daily maximum temperature records tied. In fact, there were three days (on the 24th, 25th, and 28th) where the maximum temperature of 83 for each date tied the all-time record of 83 deg F set on 27 Feb 1981. There were no new daily minimum temperature records or precipitation records tied or set at either KVPS or KEGI during

the month.

Daily Maximum Temperature Record for KVPS:

2 February 2023: The high temperature of 76 deg F tied the previous record maximum temperature for the date, which occurred in 1989, 1957, and 1950.

Daily Maximum Temperature Record for KEGI:

2 February 2023: The high temperature of 78 deg F, tied the record set in 1990.

8 February 2023: The high temperature of 77 deg F, broke the previous record of 75 deg F set in 2017.

15 February 2023: The high temperature of 77 deg F, broke the previous record of 75 deg F set in 2018.

16 February 2023: The high temperature of 75 deg F, tied the previous record set in 2018.

23 February 2023: The high temperature of 80 deg F, broke the previous record of 79 deg F set in 2011.

24 February 2023: The high temperature of 83 deg F, broke the previous record of 81 deg F set in 2018, and tied the all-time record maximum temperature for the month set on 27 February 1981.

25 February 2023: The high temperature of 83 deg F, broke the previous record of 82 deg F set in 2018, and tied the all-time record maximum temperature for the month set on 27 February 1981, and again on 24 February 2023.

26 February 2023: The high temperature of 81 deg F, tied the previous record set in 1972.

28 February 2023: The high temperature of 83 deg F, broke the previous record of 79 deg F set in 1976, and tied the all-time record maximum temperature for the month set on 27 February 1981, and again on 24 and 25 February 2023.