Conditional Text Testing

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This document summarizes current temperature and precipitation anomalies relative to 30-year (1981-2010) averages for Island in the Sky Visitor Center during the 2000 water year (October 1999 through September 2000). The data used in these analyses are part of the NOAA Global Historical Climatology Network (GHCN) Cooperative Observer Network (COOP) and were downloaded from ClimateAnalyzer.org on 08 October, 2021 using R (ver. 4.1.1, R Core Team, 2021) and the climateAnalyzeR package (ver 0.0.0.9000, Van Scoyoc, 2021). The data used for these analyses include the daily high temperature (TMAX), daily low temperature (TMIN), and daily precipitation accumulation (PRCP). This is an automated summary and all results are provisional.

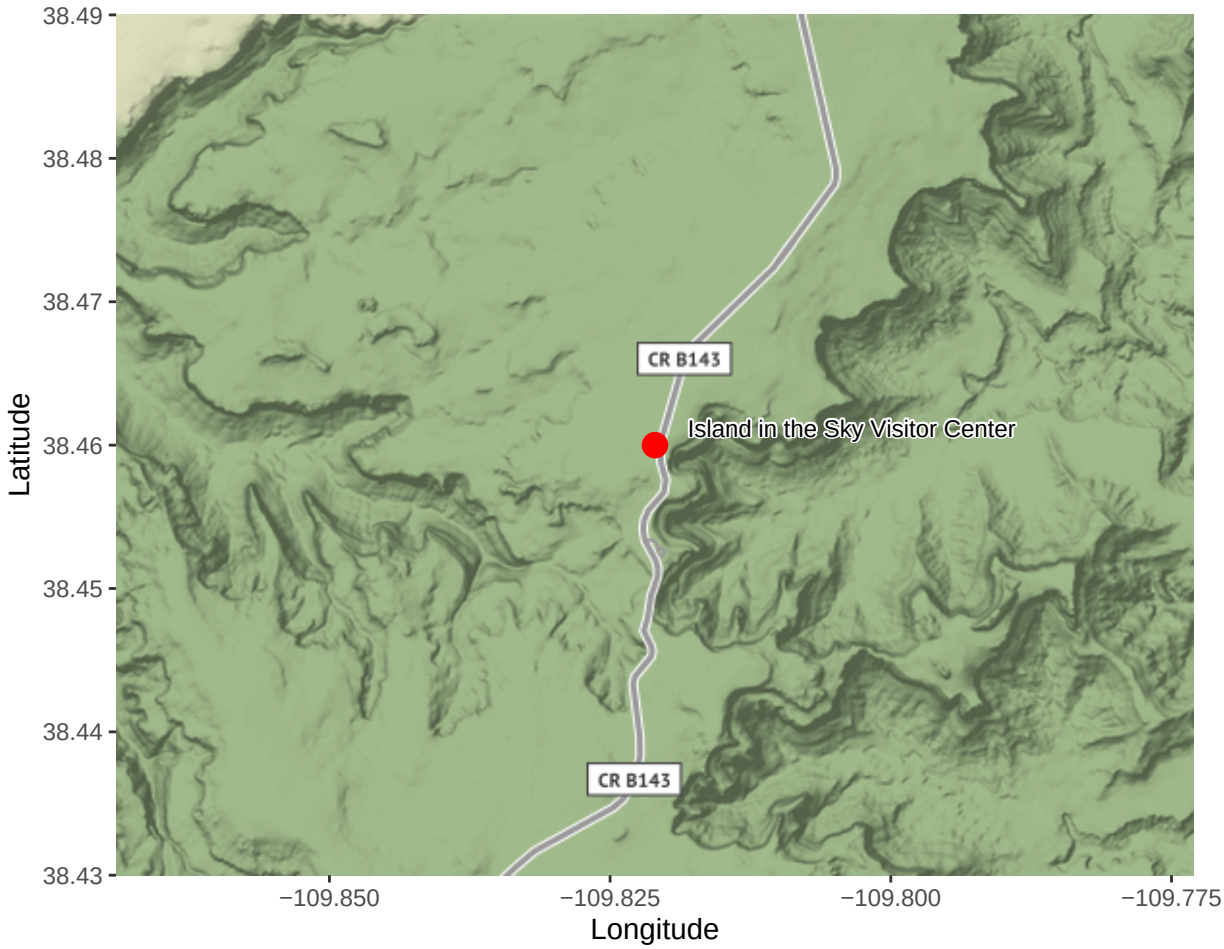

Figure 1: Location of weather station.

Temperature

Water year 2000 was the 3rd warmest water year in the 56-year record for Island in the Sky Visitor Center. The average annual temperature was 56°F which is 2.65°F above the 30-year average (53.35°F). This summary suggests that temperatures are increasing 0.47°F per decade (Figure 1A). The monthly average TMAX was above normal most of the year and exceeded the 30-year monthly average 11 times (Oct, Nov, Dec, Jan, Feb, Apr, May, Jun, Jul, Aug, and Sep; Figure 1B). Every monthly average TMAX was above normal in 2000 (Figure 1B).

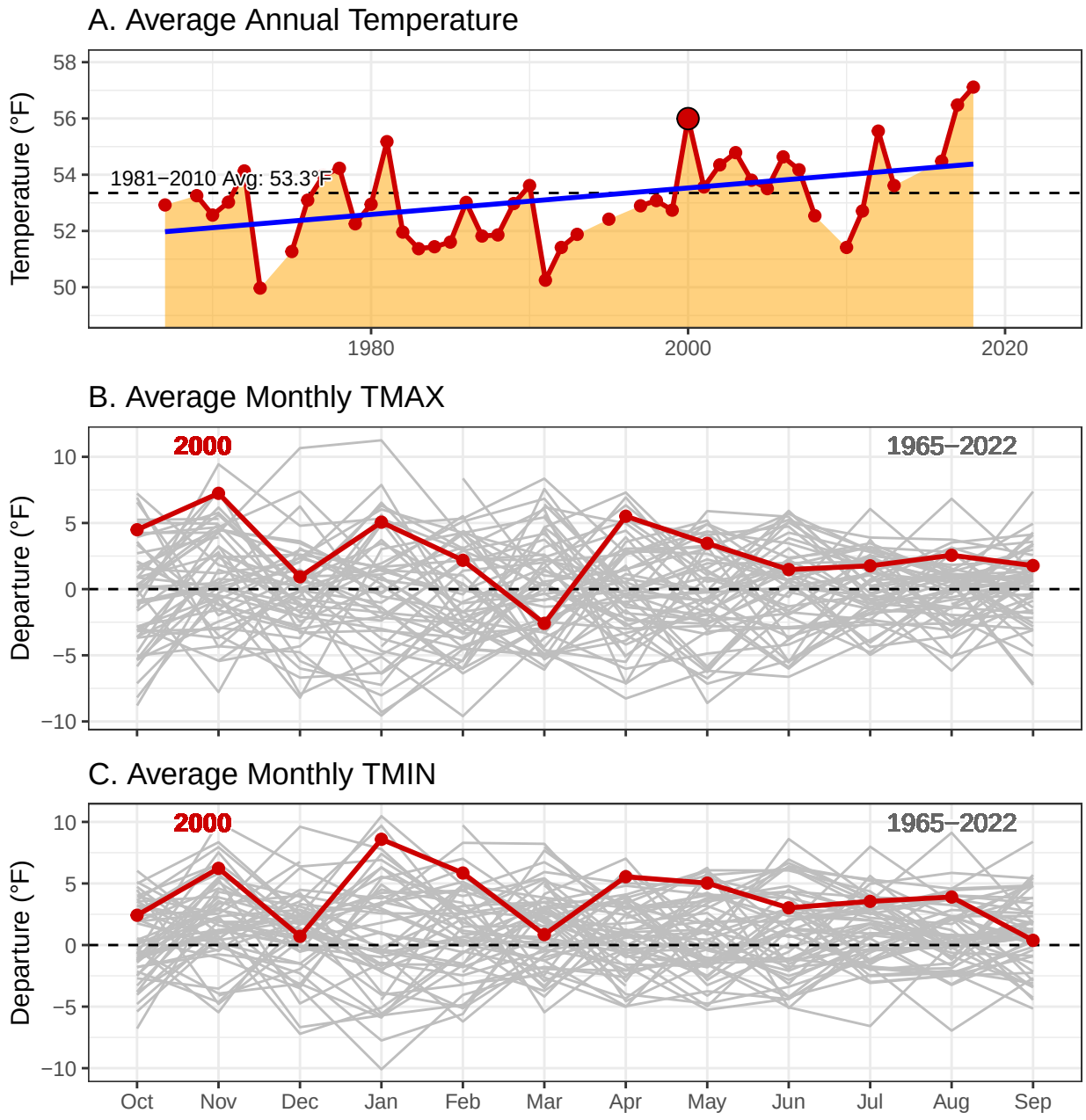

Figure 2: Trends in average temperature.

Precipitation

Water year 2000 was the 10th driest on record for Island in the Sky Visitor Center. Total accumulated precipitation was 7.15 inches and was 2.41 inches below the 30-year average (9.56 inches). This summary suggests that precipitation is increasing at a rate of 0.09 inches per decade (Figure 2A). Dec, Jan, Feb, and Aug received above average precipitation (Figure 2B), but were not enough to compensate for the 8 months that were below average (Oct, Nov, Mar, Apr, May, Jun, Jul, and Sep; Figure 2C).

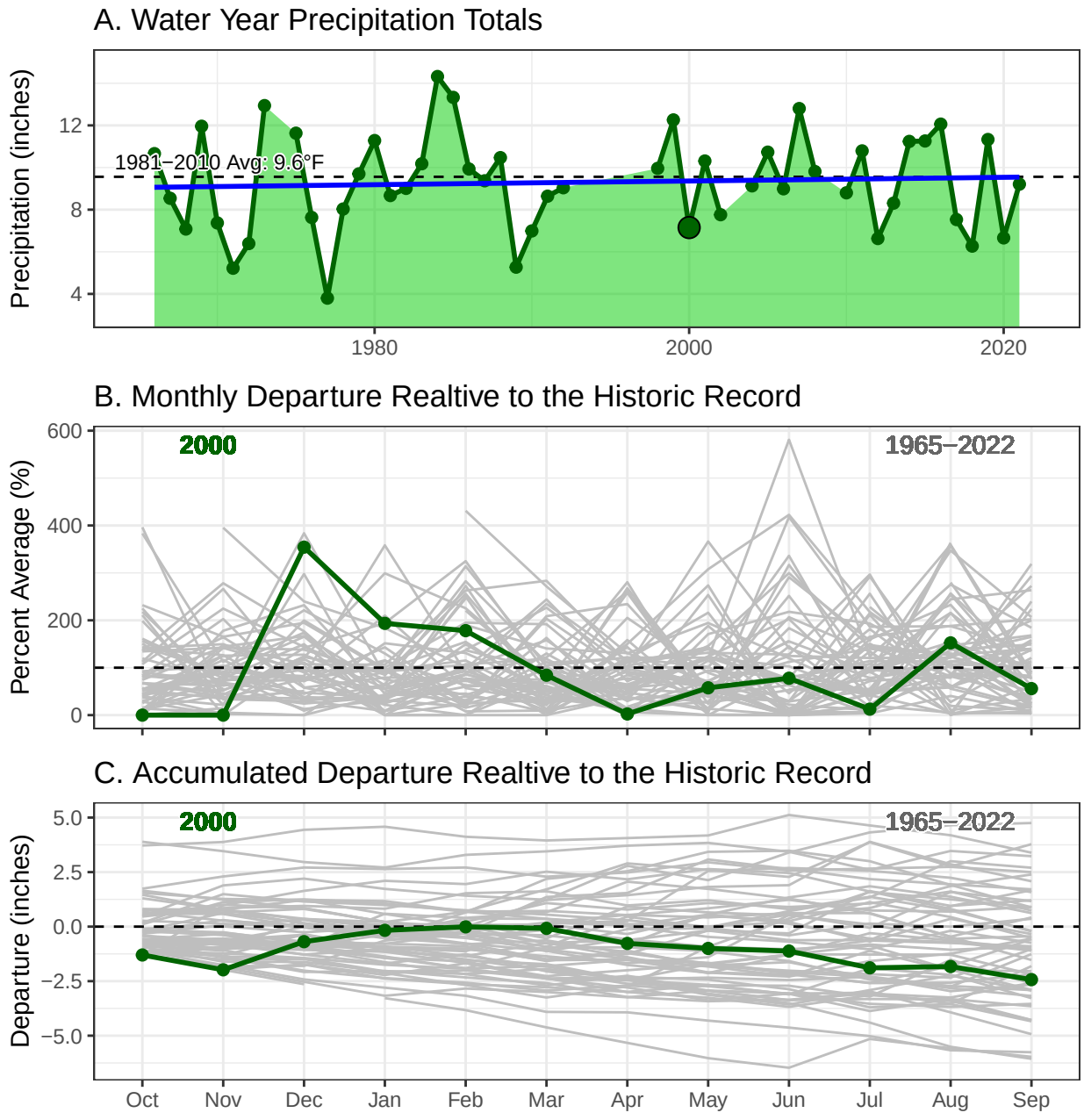

Figure 3: Trends in precipitation.