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 1973 water year (October 1972 through September 1973). 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 12 January, 2022 using R (ver. 4.1.2, R Core Team, 2021) and the climateAnalyzeR package (ver 0.0.0.9000, Van Scoyoc, 2022). 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.

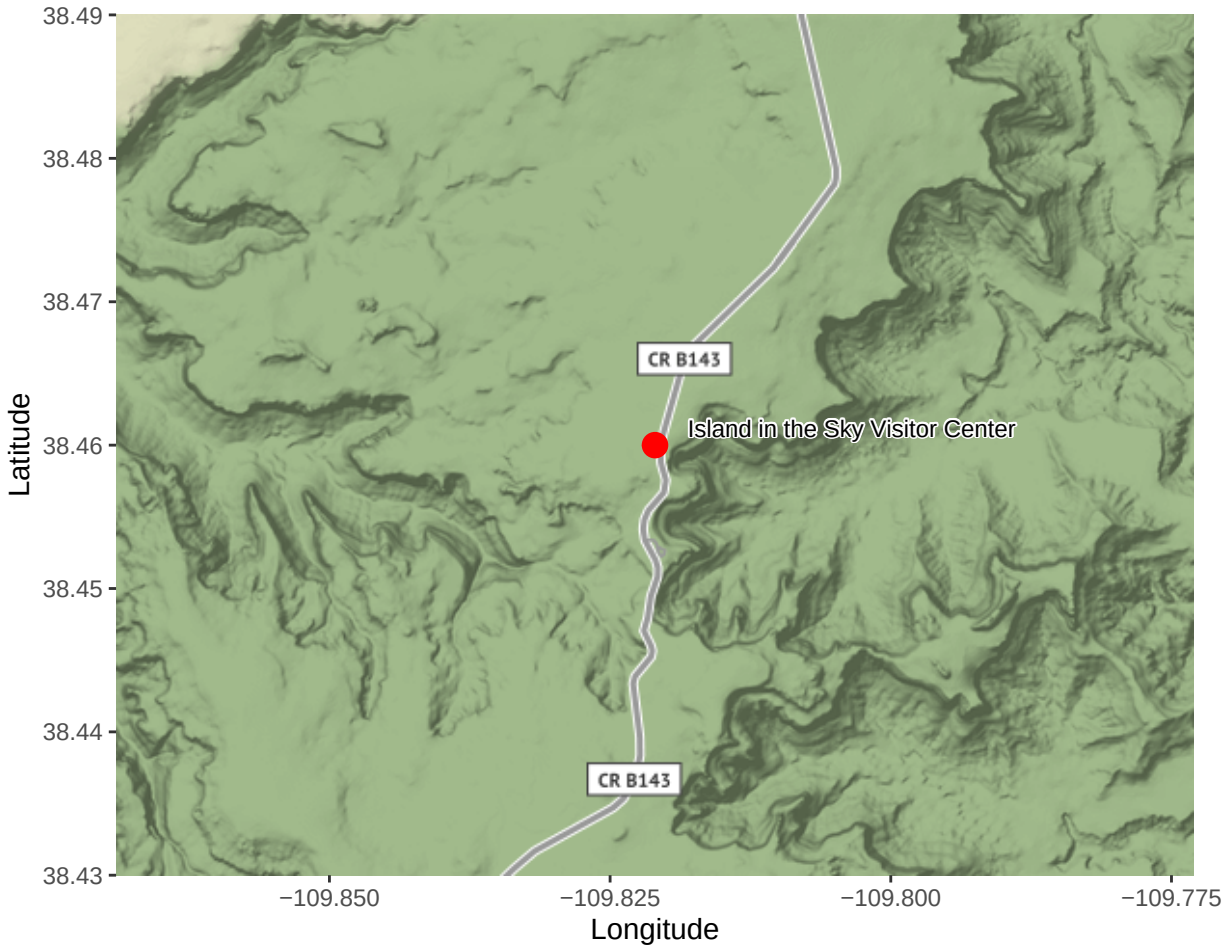

Figure 1: Location of weather station.

Temperature

Water year 1973 was the coldest year on record at Island in the Sky Visitor Center. The average annual temperature was 50°F which is 3.4°F below the 30-year average (53.3°F). This summary suggests that temperatures are increasing 0.5°F per decade (Figure 1A). The monthly average TMAX was below normal most of the year and exceeded the 30-year monthly average 3 times (May, Aug, and Sep; Figure 1B). The monthly average TMIN was below normal most of the year and exceeded the 30-year monthly average 3 times (Oct, May, and Aug; Figure 1B).

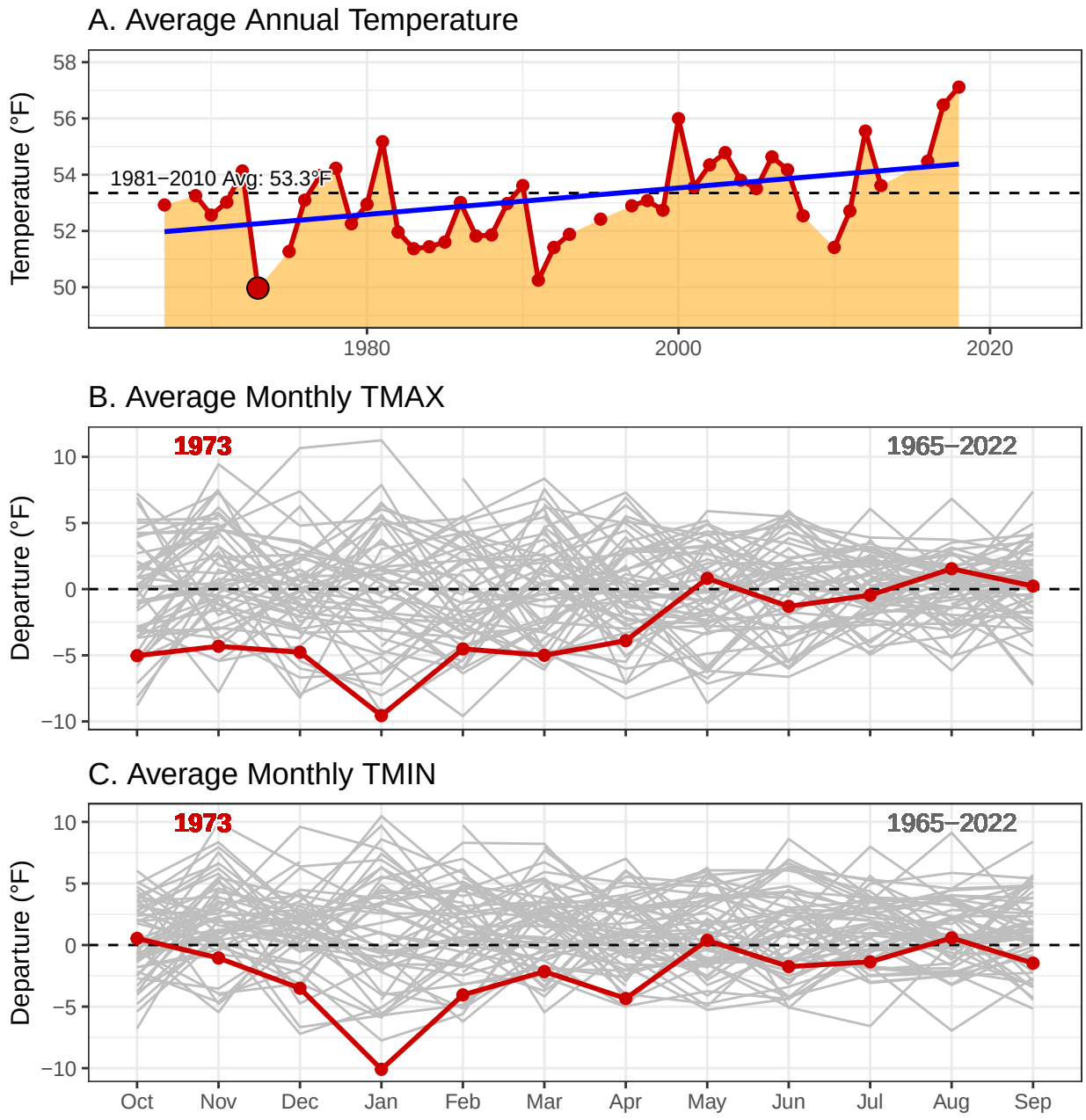

Figure 2: Trends in average temperature.

Precipitation

Water year 1973 was the 3rd wettest on record for Island in the Sky Visitor Center. Total accumulated precipitation was 12.94 inches and was 3.4 inches above the 30-year average (9.6 inches). This summary suggests that precipitation is increasing at a rate of 0.1 inches per decade (Figure 2A). Oct, Nov, Dec, Jan, Apr, and Jun received above average precipitation (Figure 2B) and Feb, Mar, May, Jul, Aug, and Sep received below average precipitation (Figure 2C).

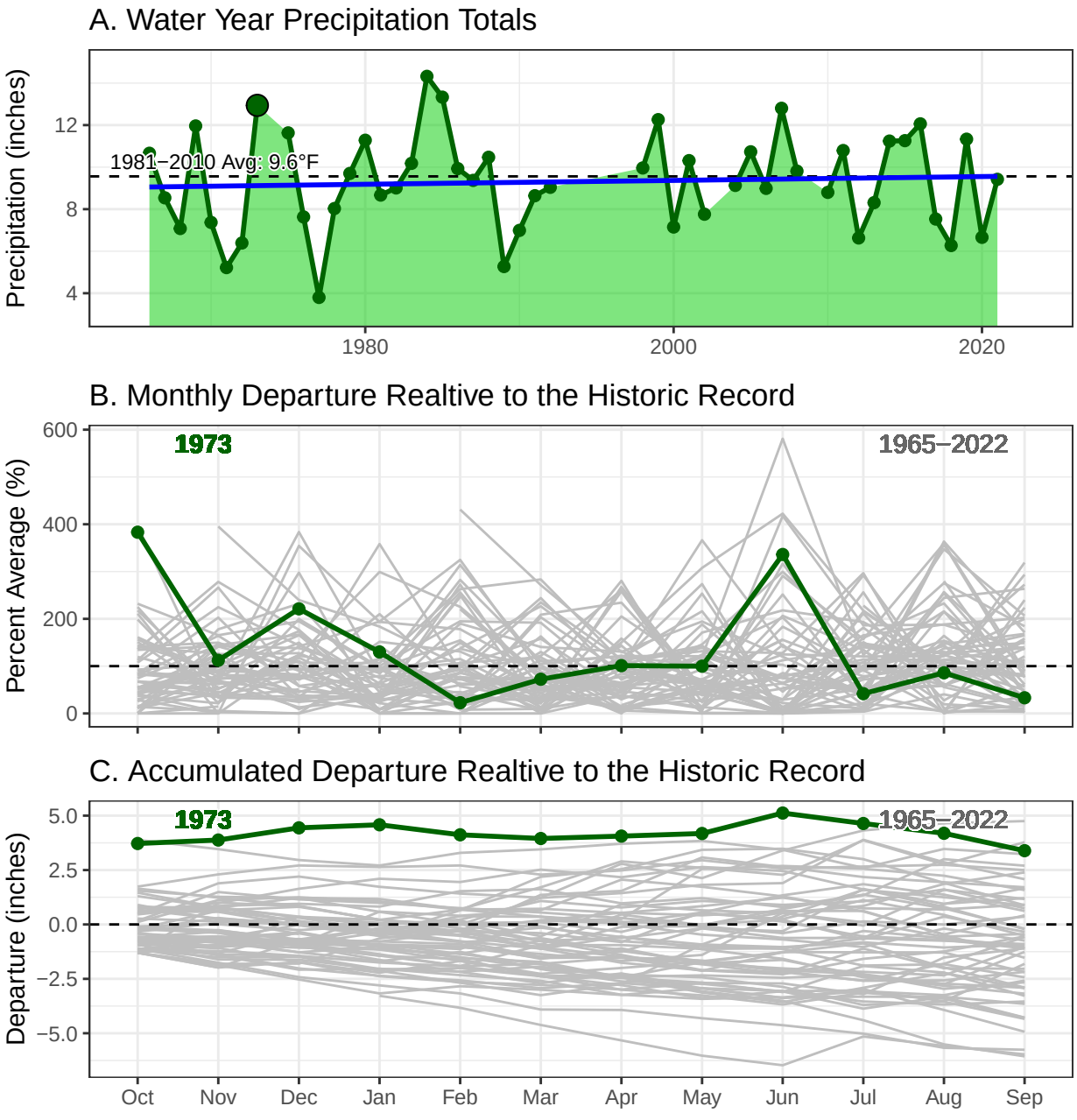

Figure 3: Trends in precipitation.