

June 2023

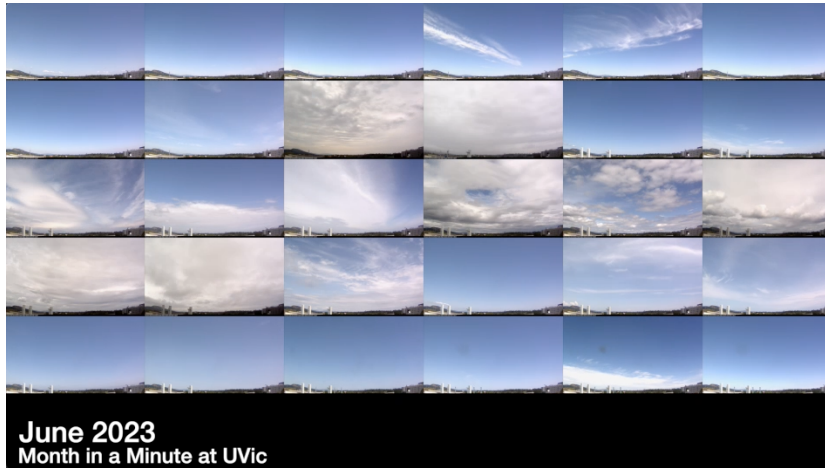
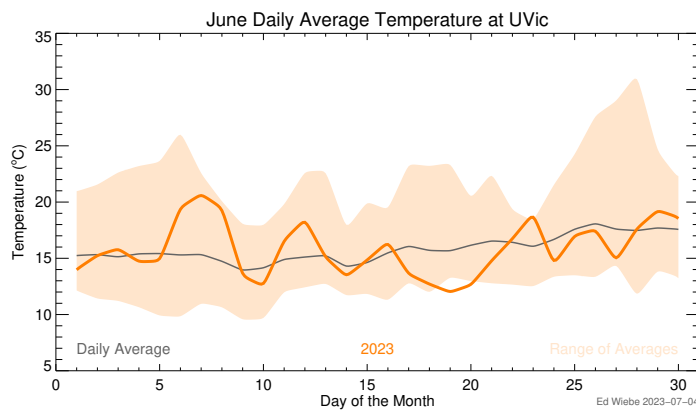


Figure 1: June 2023, Month in a Minute.

Temperature

Figure 2: Daily temperatures.



After a ridiculous May (Hello Climate Change!) June was just average. Figure 2 shows the day-by-day. The grey line is the historical (since 2002) average for each day of June. This year was, uneventful.

People around Greater Victoria seem to be of two minds about summer. For some it's too hot if the temperature reaches 20 °C. For others, a typical June, as this year was, is a so-called *Juneuary*. For me, the only days that felt off were those around June 19–20. As you can see, these were unusually cold. It's important to remember that, favoured though it is by local geography, Vancouver Island is definitely stuck on the edge of the northeast Pacific ocean. We love that in Winter, and we have to put up with it in June.

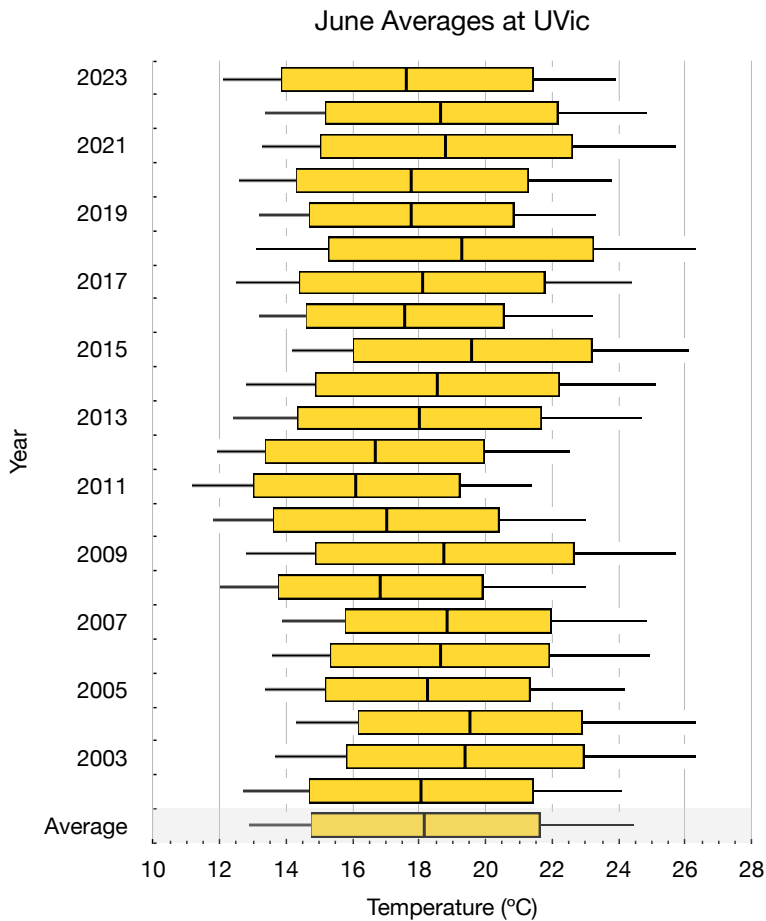


Figure 3: June temperatures.

We did see a day with a maximum temperature very close to 30 °C (a *hot* day, June 07, 29.69 °C). We expect this in June. Fig. 4 shows the number of days at UVic with the temperature greater than or equal to 30 °C since 2002. The blue histograms show the relative sums of the rows and columns. 2023 is incomplete. The fraction of years with hot

days is shown in Fig. 5. The observed likelihood of seeing at least one *hot* day in June at UVic is a bit more than 62%. You can also see that the *heat dome* event of 2021 was unusual in this regard.

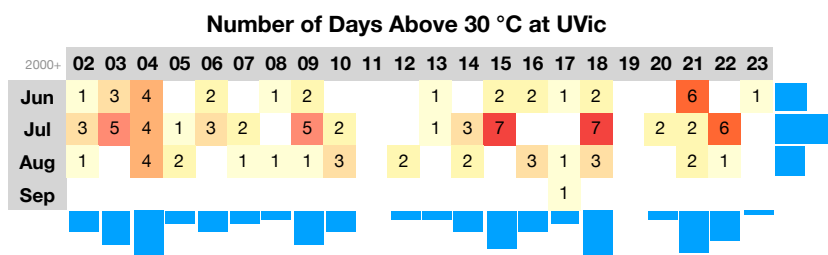


Figure 4: Hot Summer Days at UVic.

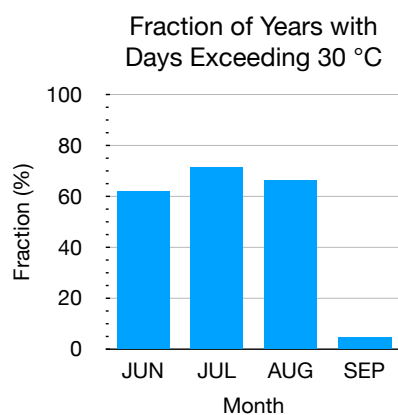


Figure 5: Years with Hot Summer Days at UVic.

Rainfall

Total rain in June was 22.1 mm. This is above the average (based on observations since 2002) of 16 mm. June rain is shown in Figure 6. The rain fell on only four days (see Fig. 7) and almost all came on the 9th (4.1 mm) and 10th (17.3 mm).

Above average June rain was a bit unexpected but welcome. Rain amounts have tended to be lower than average over the past year (Fig. 8). These 22 mm brought the 12-month total to 438 mm, the second lowest recorded at UVic since 2003.

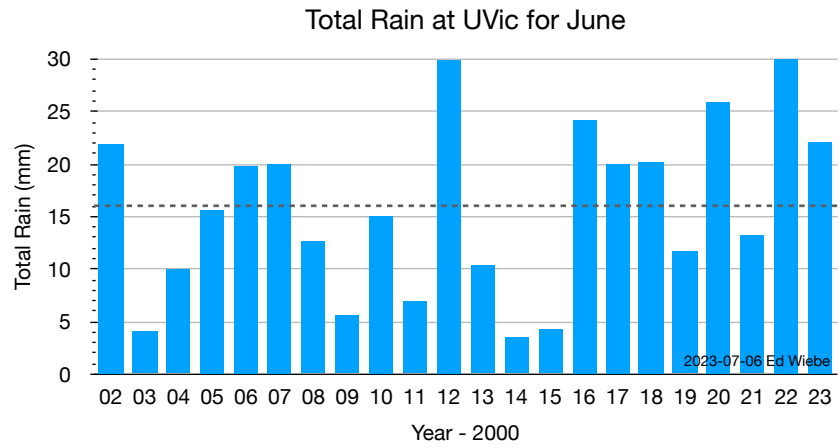


Figure 6: June rain.

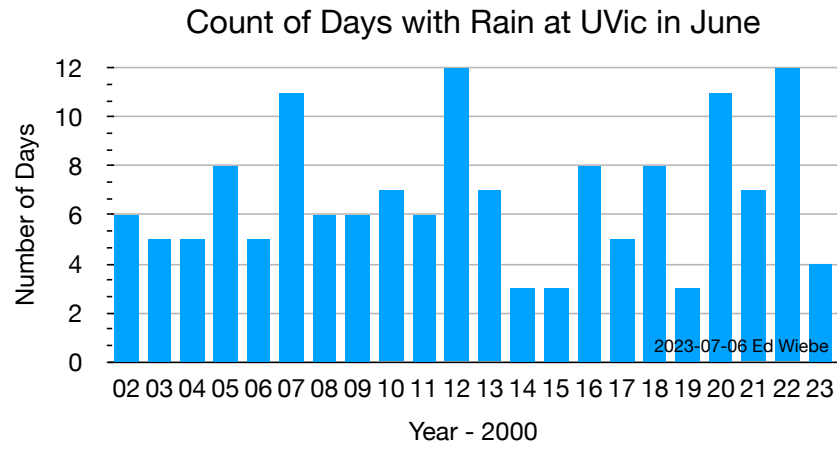


Figure 7: June rain days.

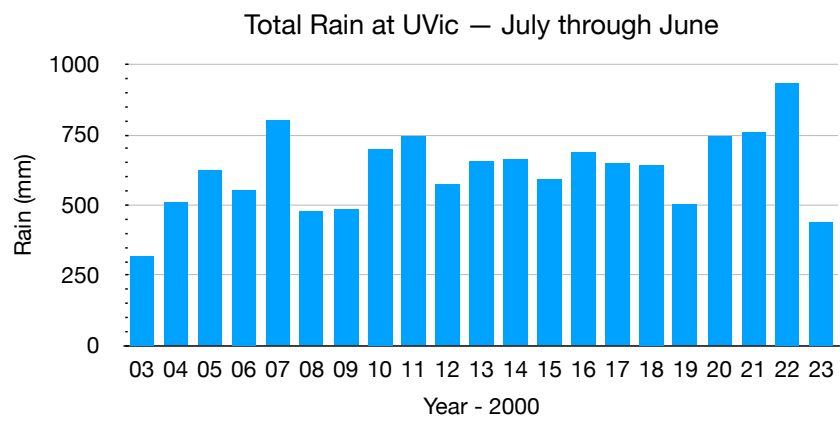


Figure 8: Annual rain, July through June.