

For the Marine Heatwave plot, we use the daily satellite-based quarter-degree sea surface temperature (SST) datasets from NOAA (<https://www.ncei.noaa.gov/data/sea-surface-temperature-optimum-interpolation/access/avhrr-only/>).

We use data from 1982-2011 to determine the local thresholds above which SSTs are considered to be extreme. To also resolve heatwaves during cold seasons, we determine thresholds for every day of the year. For calculating these daily thresholds, defined as the 99th percentiles, we use data from centered 31-day running windows. As an example, the threshold for March 16 is calculated as the 99th percentile of all SST values between March 1 and March 31 over the 30 year period.