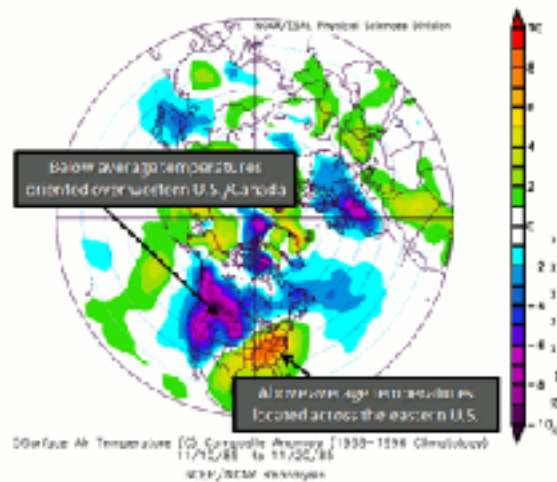


July 30, 2018 Forecast (bcstorms.ca)

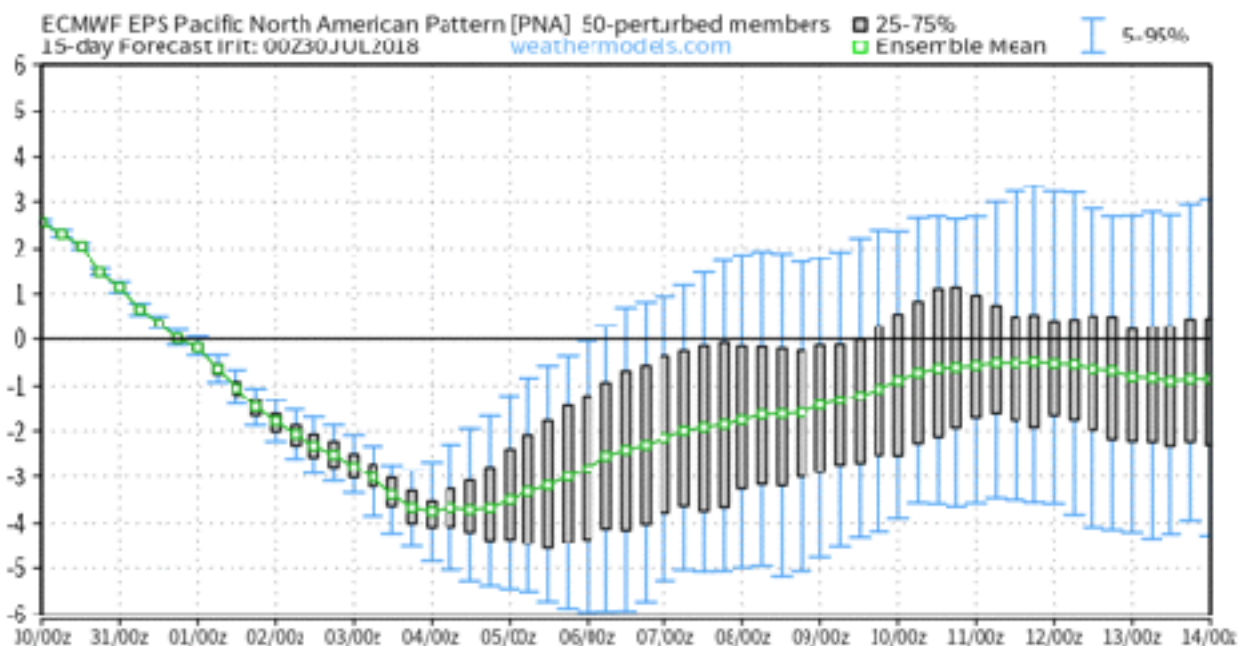
It is July 30, 2018 and we have been roasting on the west coast of BC. We are about to cool down in British Columbia. How do we know this? First, we can look at the teleconnections.

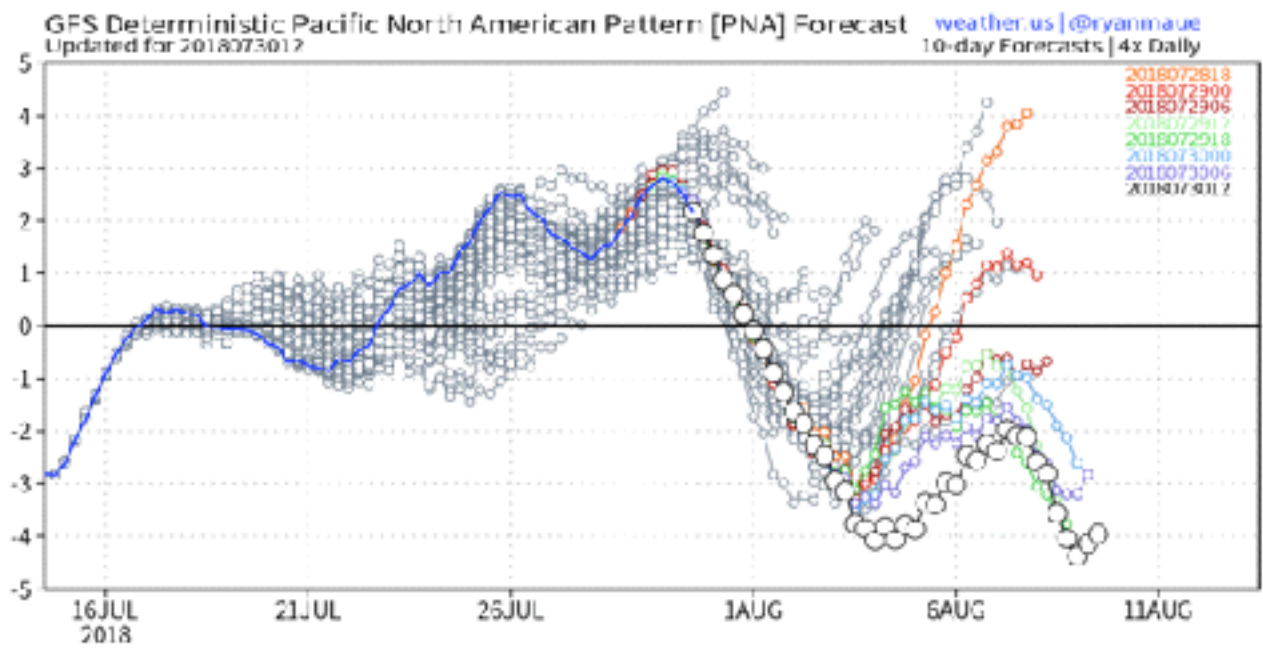
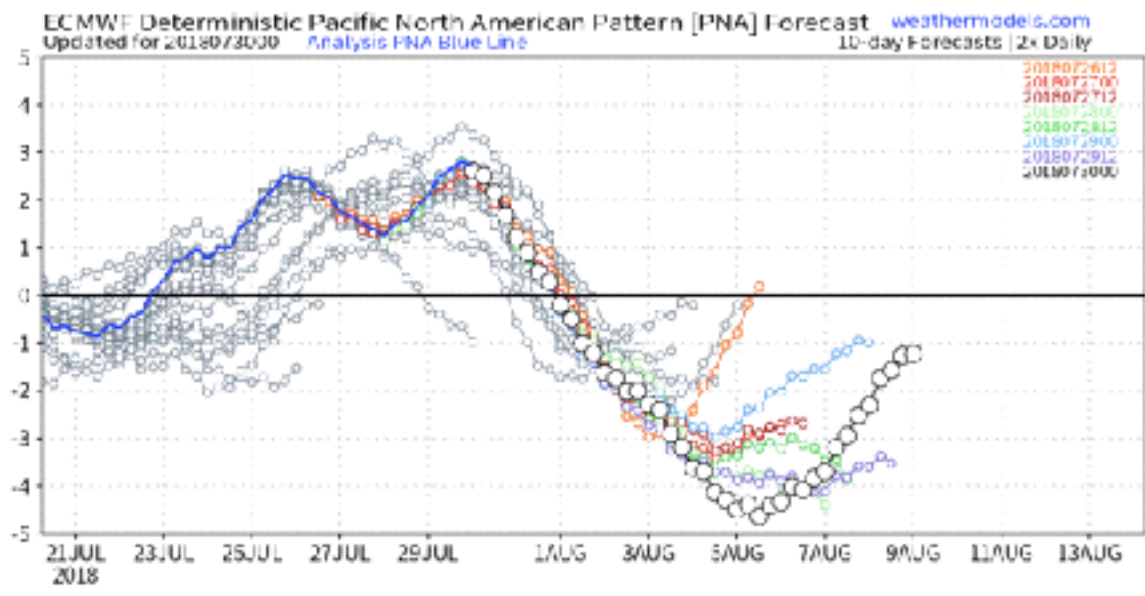
We know that when the PNA is + (above 0), warmer than normal temperatures are usually present on the West coast, and when the value is below 0, the temperatures are usually cooler on the West coast.

The below picture is an example of what the temperature anomaly could look like with a -PNA.

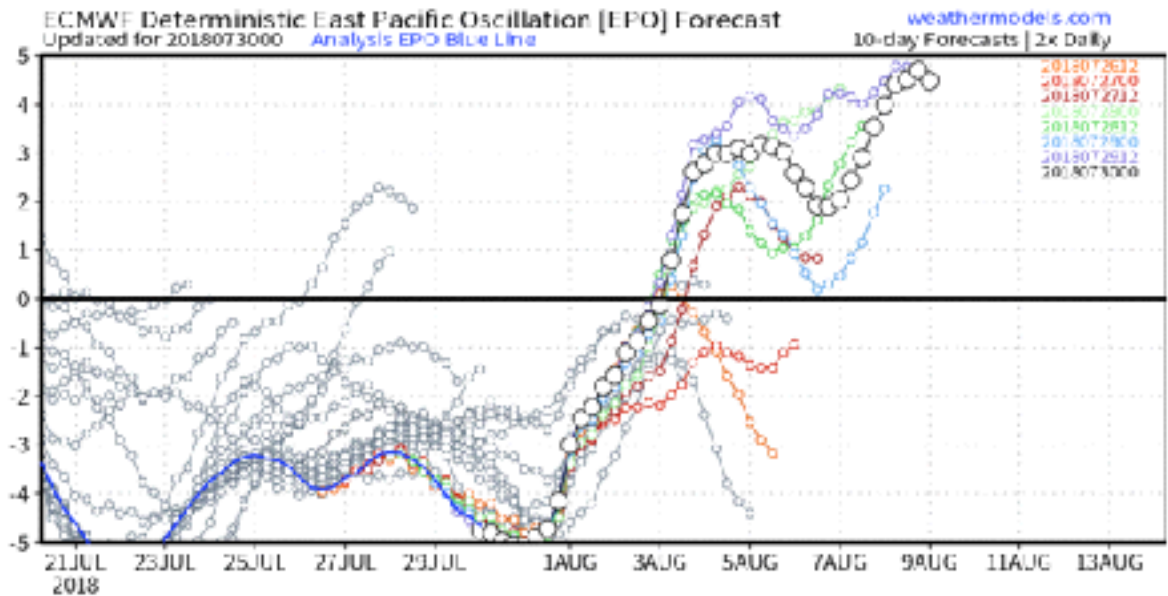


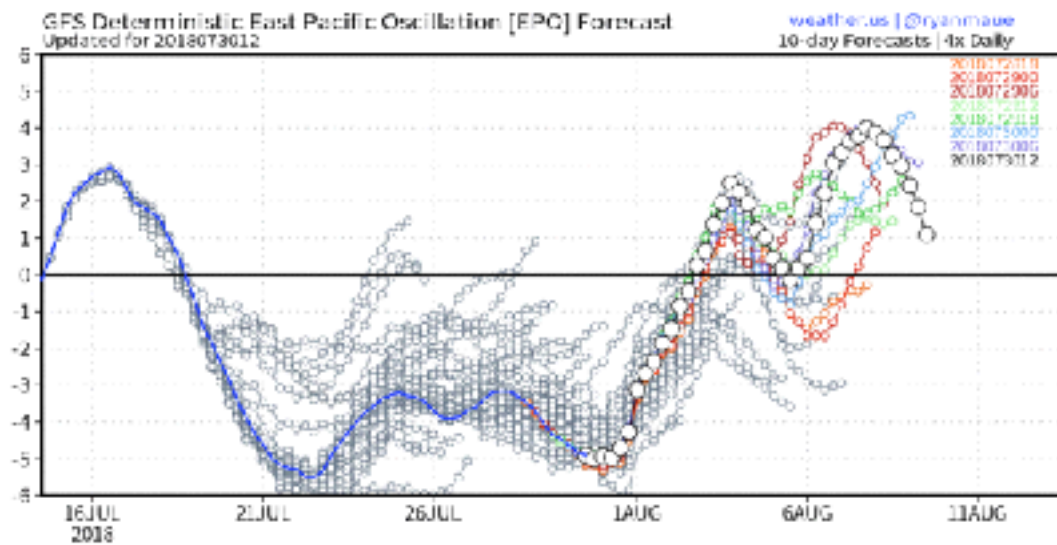
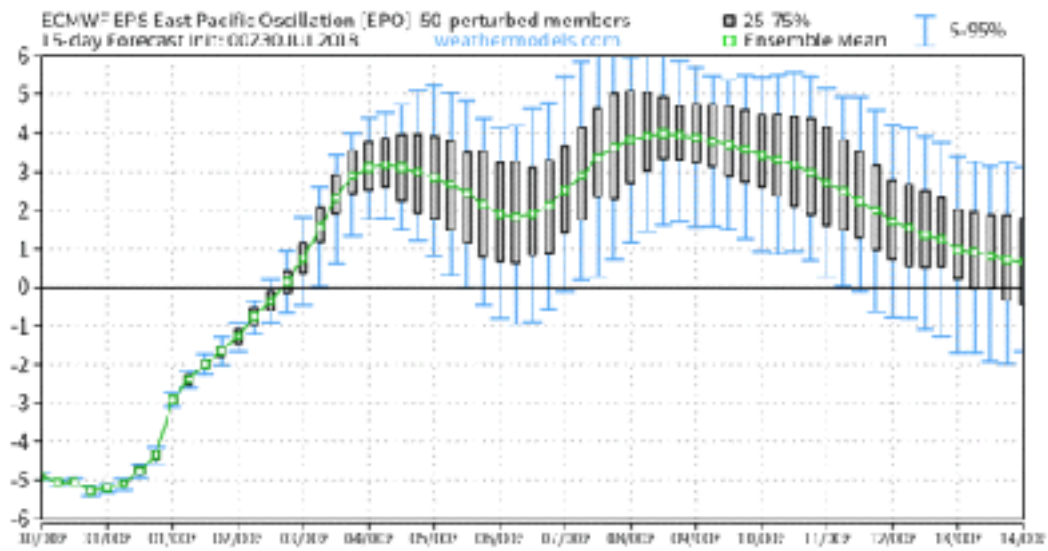
All the models are in agreement that we are heading into a period of -PNA weather.





What else can we use to forecast the upcoming weather pattern? We can use the EPO, which is the Eastern Pacific Oscillation. A -EPO will usually bring higher pressure to the Aleutians, while a +EPO will bring low pressure to the Aleutians. Right now we're in a -EPO pattern. Do the models agree we're going to head into a +EPO heading into August? Let's take a look!

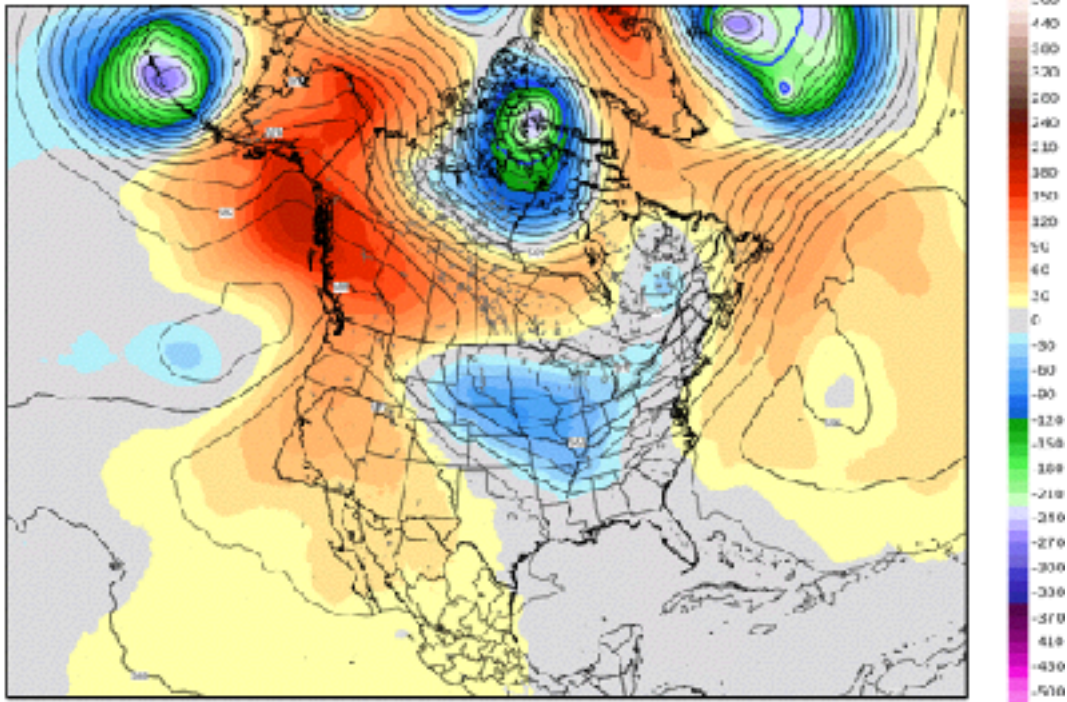




All the models are in agreement that we're heading to a period of +EPO. Here's a comparison using the ECMWF showing what the high pressure looks like when we're in a -EPO compared to +EPO.

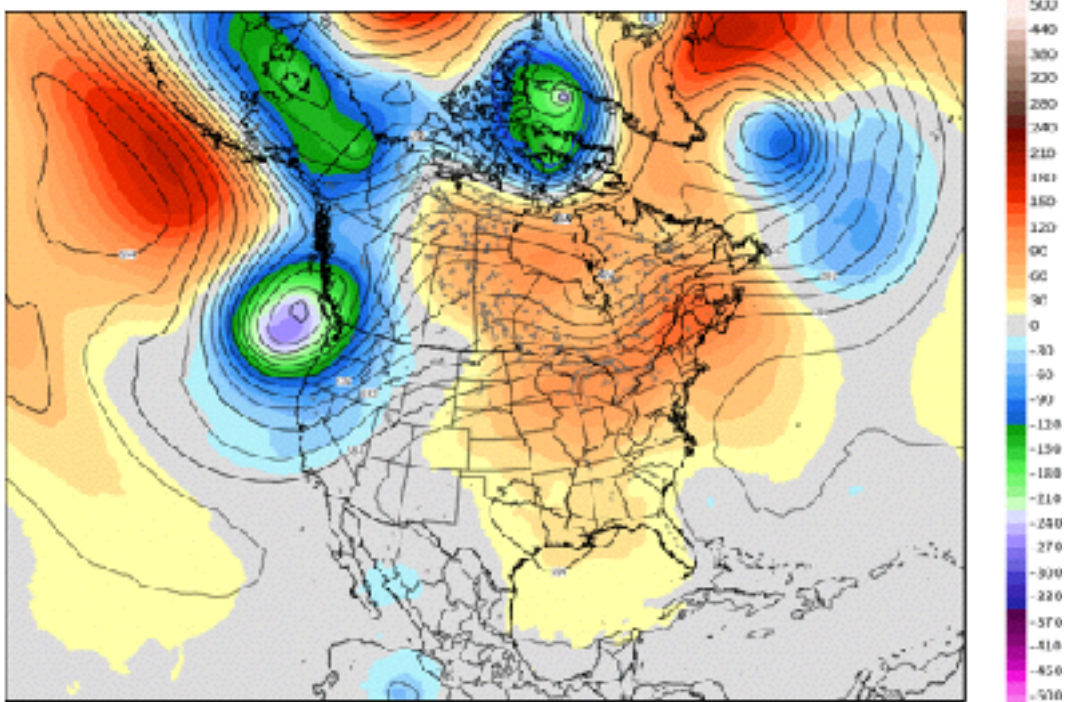
ECMWF 500 hPa Geopotential Height [dm] & Anomaly [m] | 2000-2017 ERA5 Climate
Init: 00Z30JUL2018 -- [0] hr --> Valid Mon 00Z30JUL2018

MIN|MAX: 276.3 | 245.1 m



ECMWF 500 hPa Geopotential Height [dm] & Anomaly [m] | 2000-2017 ERA5 Climate
Init: 00Z30JUL2018 [36] hr -> Valid Tue 06Z07AUG2018

MIN|MAX: 262.1 | 131.1 m

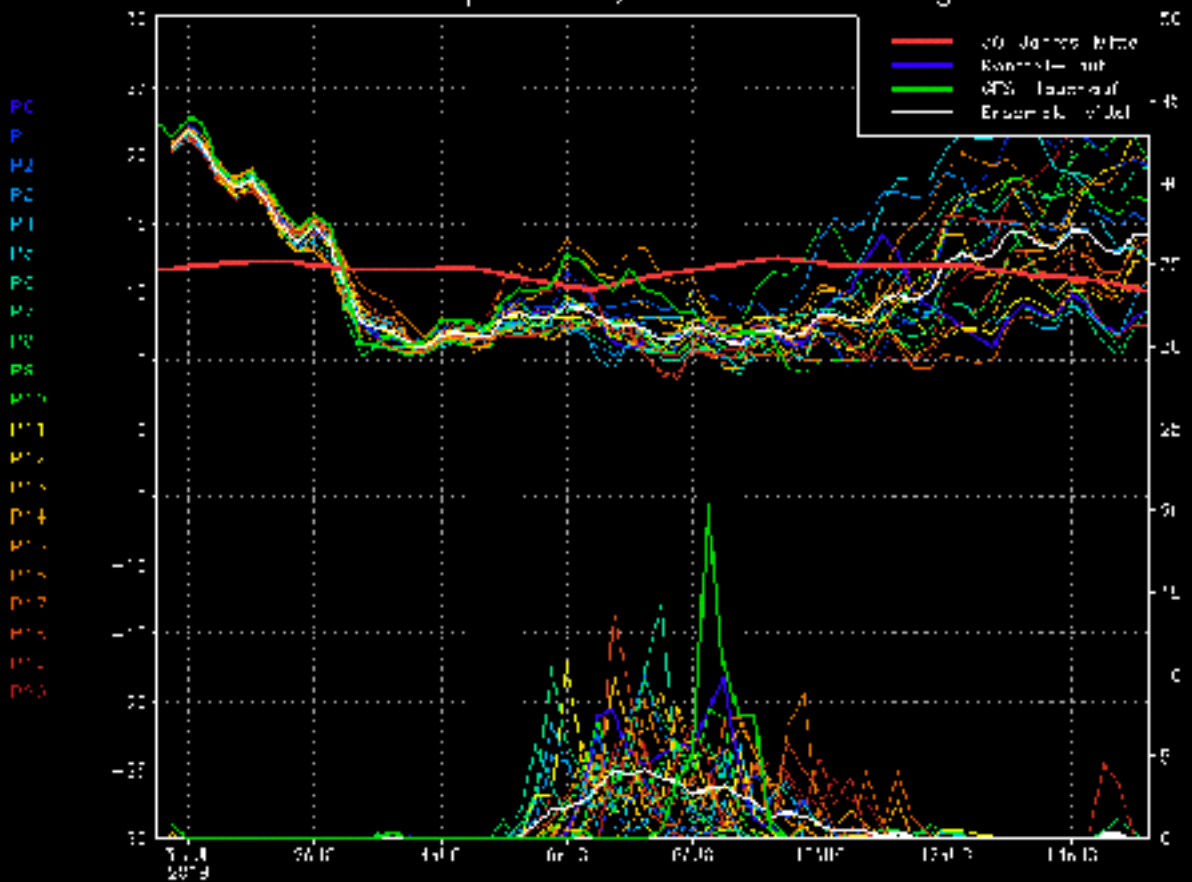


This service is based on data and products of the European Centre for Medium-range Weather Forecasts (ECMWF)

www.ecmwf.com

The next image below is a good demonstration of what's going on with the pattern shift. Right now the models are inconsistent from run to run about the amount of rain we're going to get, the only thing we can say for sure is that we're going to cool off and have a higher chance of rain as we head into the first week of August.

850 hPa Temp. in °C, 6h-Niederschlag in mm



Daten: Ensembles des GFS von 1000

Wetterzentrale