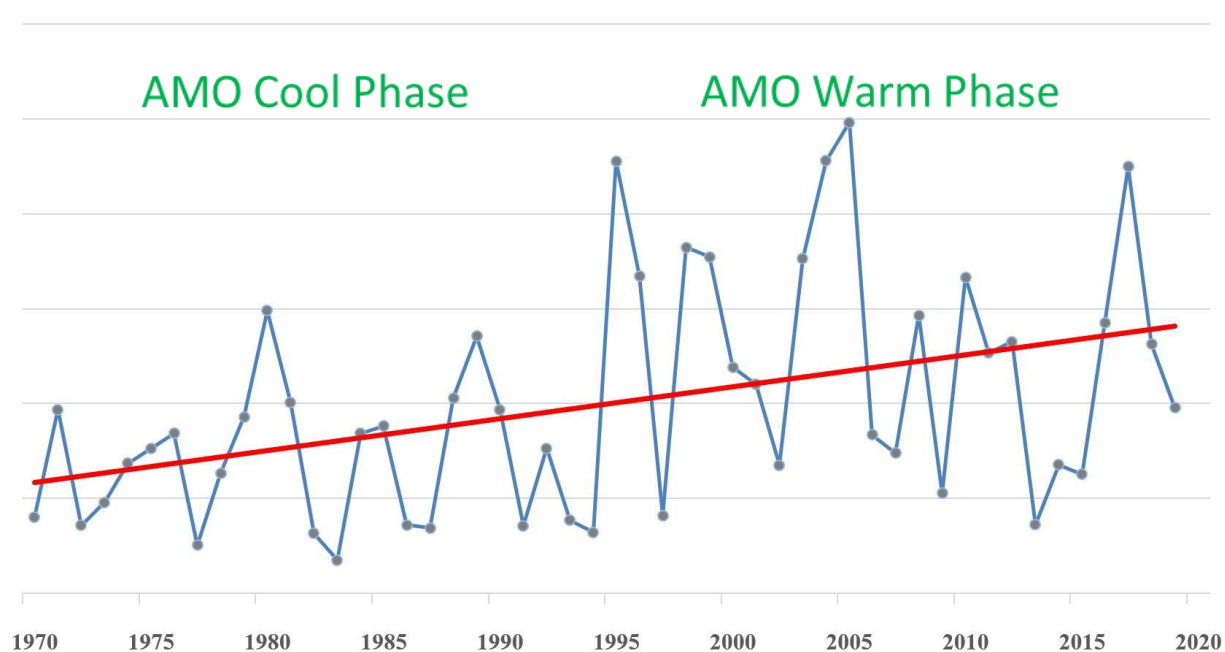


North Atlantic Accumulated Cyclone Energy (HURDAT2)

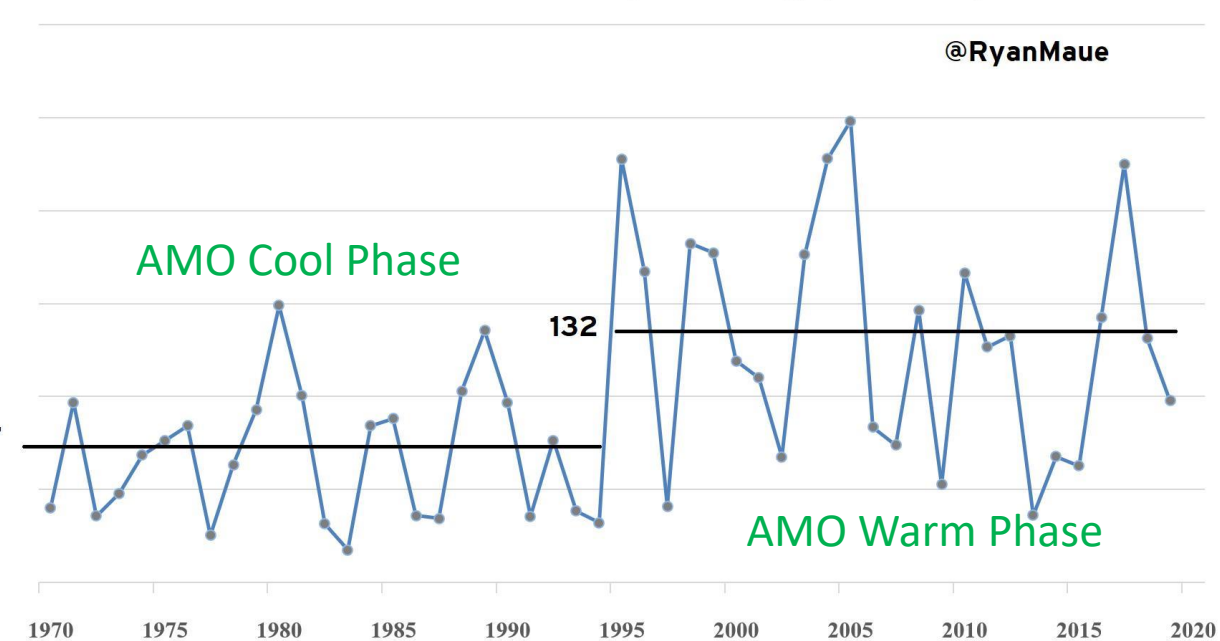


A misleading way to present data that is intended to convince viewers that there has been an increase in Atlantic hurricane activity in recent decades (presumably due to climate change and global warming) is to add the red linear trend line to the yearly ACE data from 1970 to present as shown in the top figure.

Note that 1970 to 1994 corresponds with a cool phase in the AMO and the 1995 to 2019 period corresponds with a warm phase in the AMO.

North Atlantic Accumulated Cyclone Energy (HURDAT2)

@RyanMaue



This distinction is made clear by plotting the average ACE (black lines) for each 25 year period separately as shown in the bottom figure.

Following historical trends, it seems much more likely that the increase in Atlantic hurricane activity over the past 25 years is due to the change in the AMO from a cool phase (1970 to 1994) to a warm phase (1995 to 2019), rather than due to an increase in ocean surface temperature associated with global warming.