Hypothesis: Poleward expansion of corals during warm periods, with equatorial decline

Do they manage to survive?

Are they able to keep up with climate changes (may need to calculate climate velocity)

Can the same pattern be seen with the fossil data during the last interglacial? Are we able to come to current coral distributions?

Environmental variables: temperature

* HadSST
* CMIP5
* Paleoclim

Coral Data:

* Present: obis
* Fossil: pbdb