Gulf Stream in CMIP6 transient scenarios
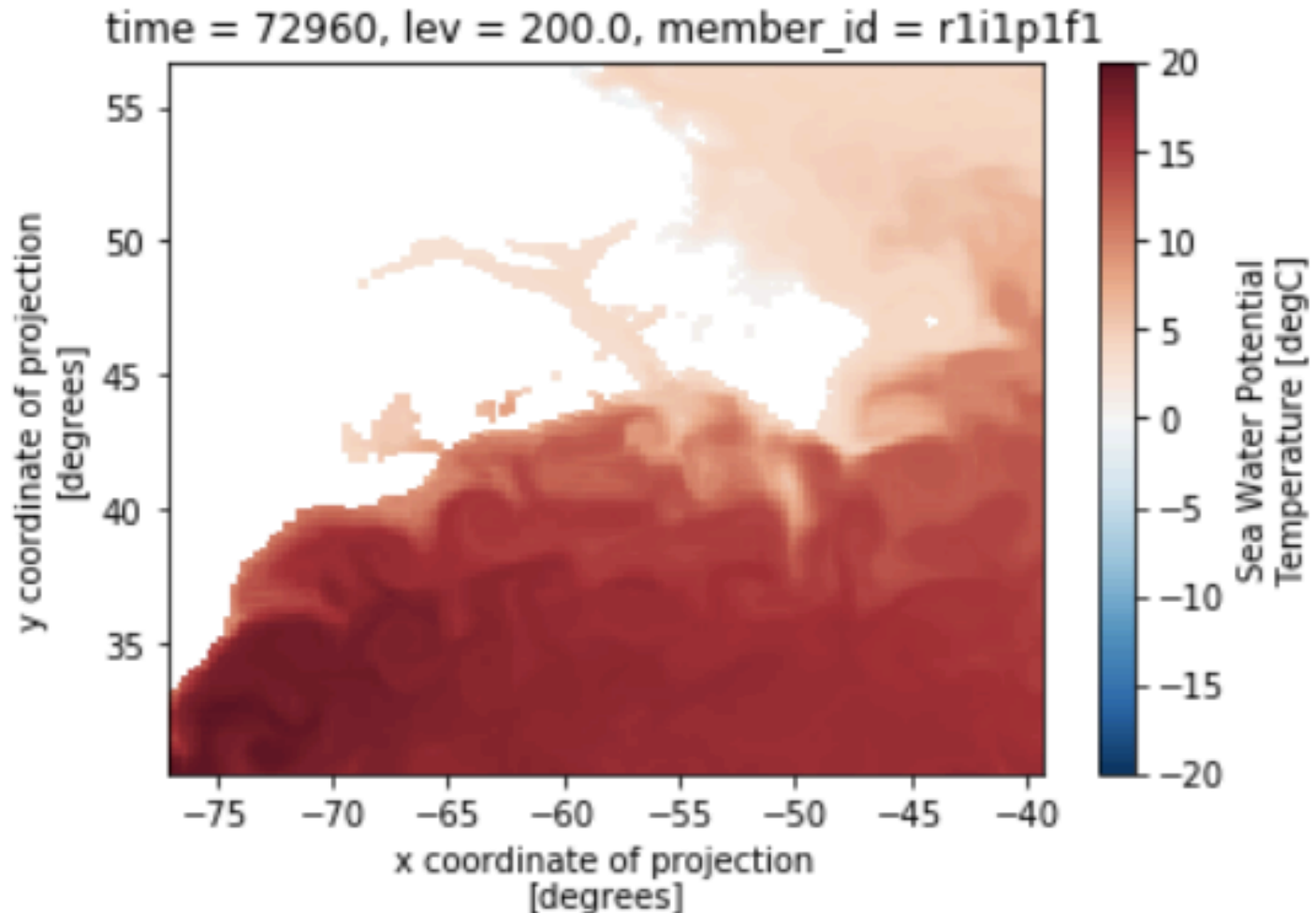## Mariona Claret and Sina Khani
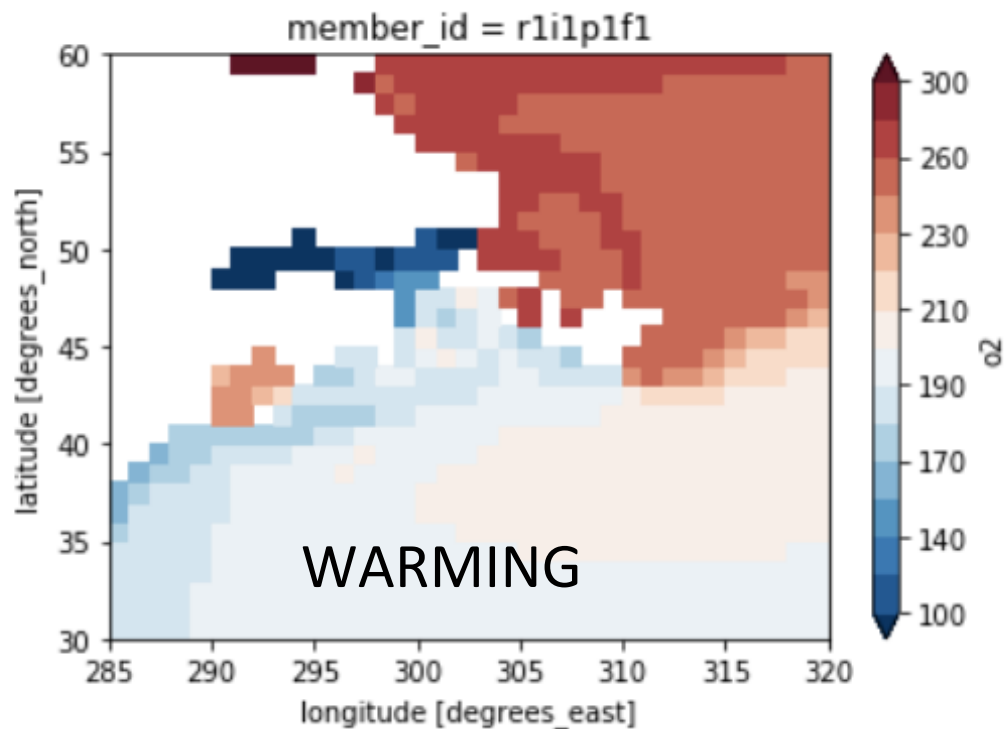

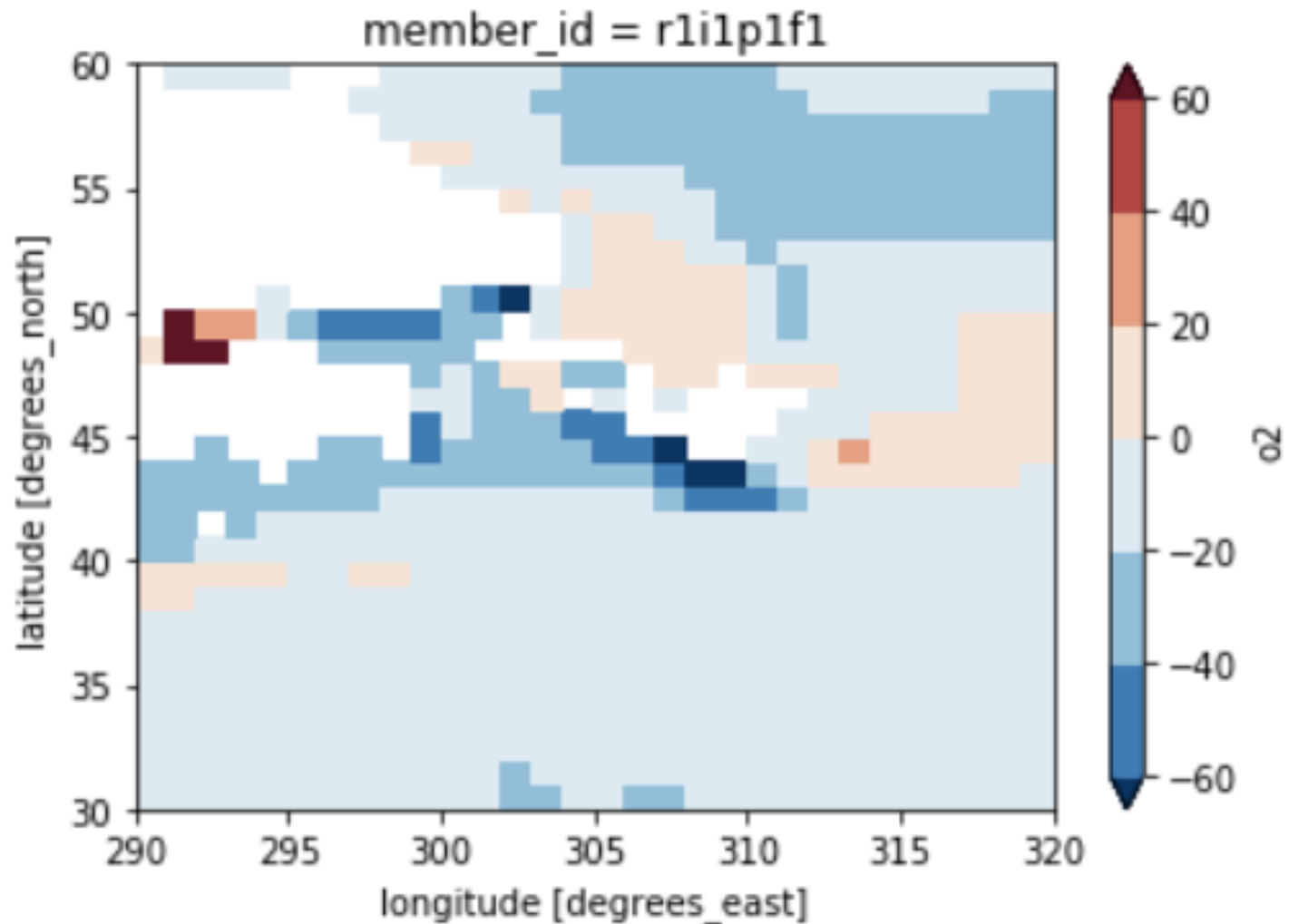time = 72960, lev = 200.0, member_id = r1i1p1f1

Temperature at 200 m

member_id = r1i1p1f1
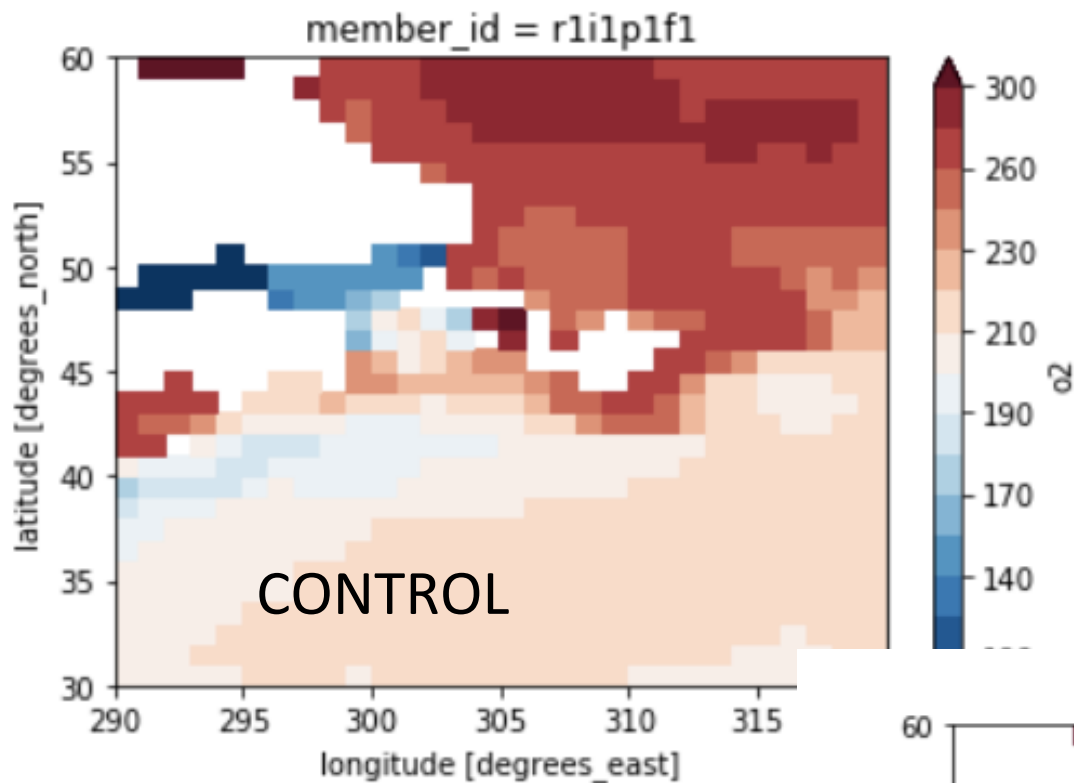
CONTROL

Oxygen regridded
at 1 deg 200-300 m

Units are umol/kg

member_id = r1i1p1f1

WARMING

DEPTH AVERAGED 200-300 m OXYGEN difference WARMING-CONTROL
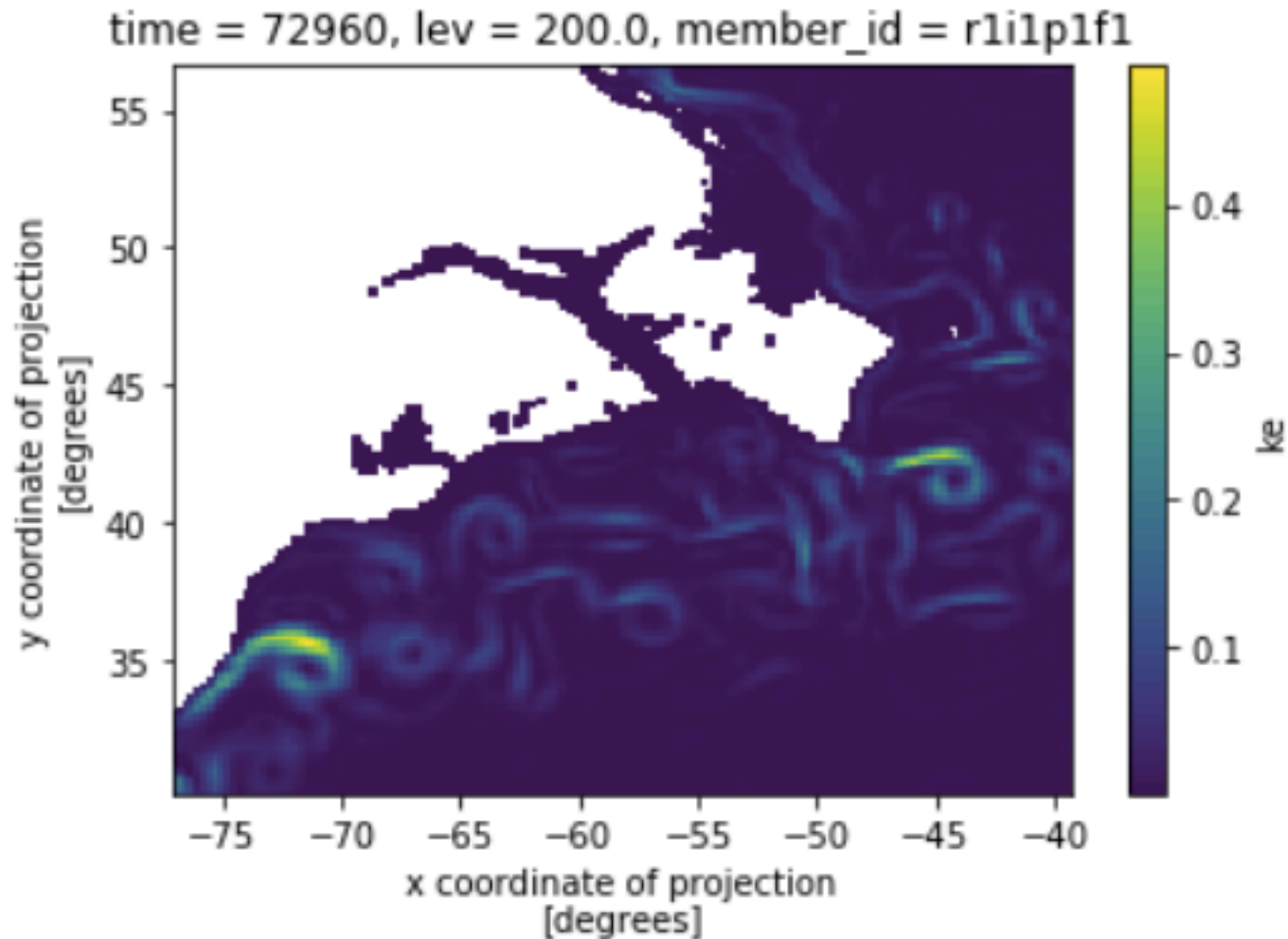

member_id = r1i1p1f1

Poleward shift of the GS

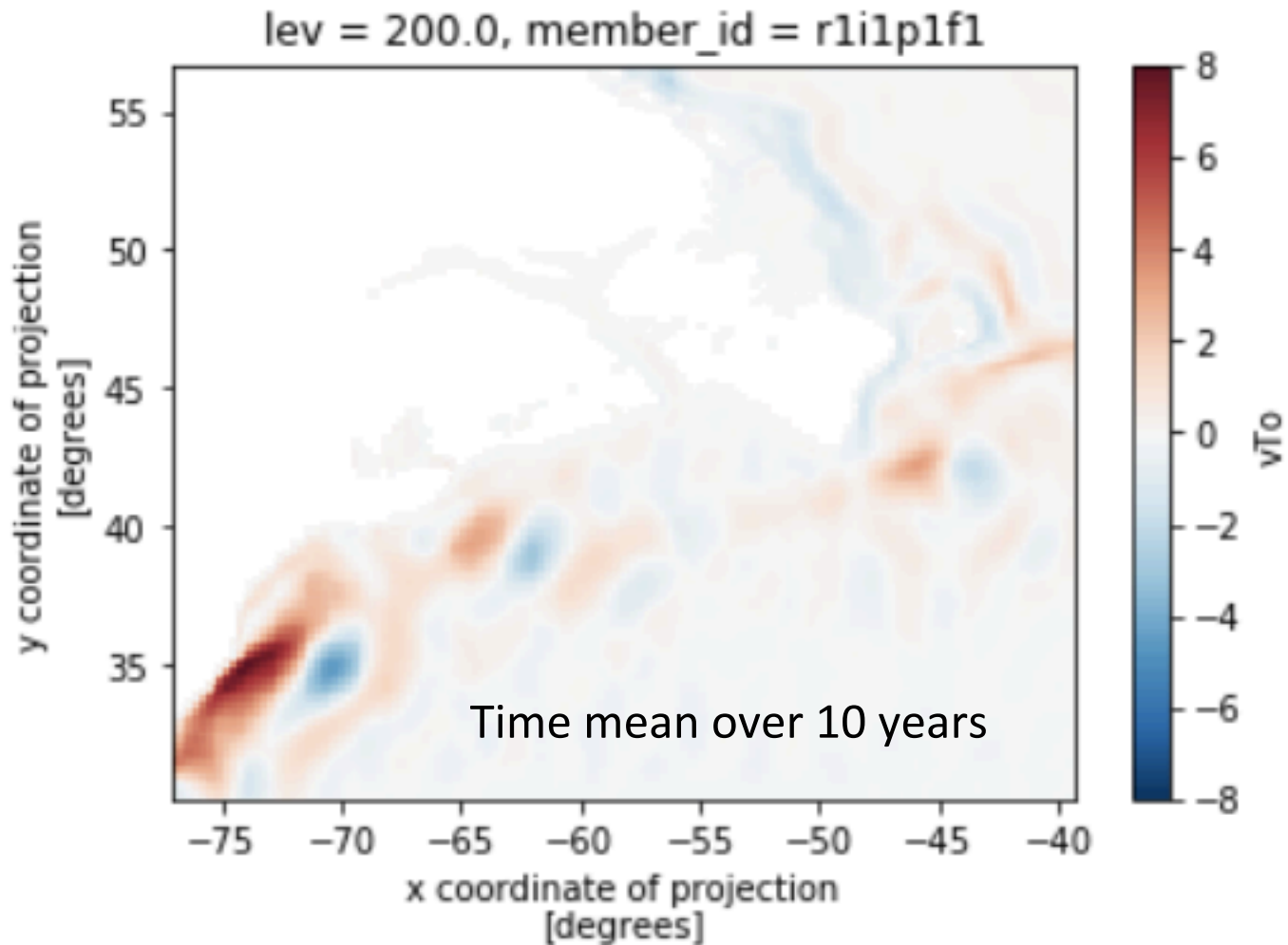# Historical simulation does not show poleward shift of the Gulf Stream
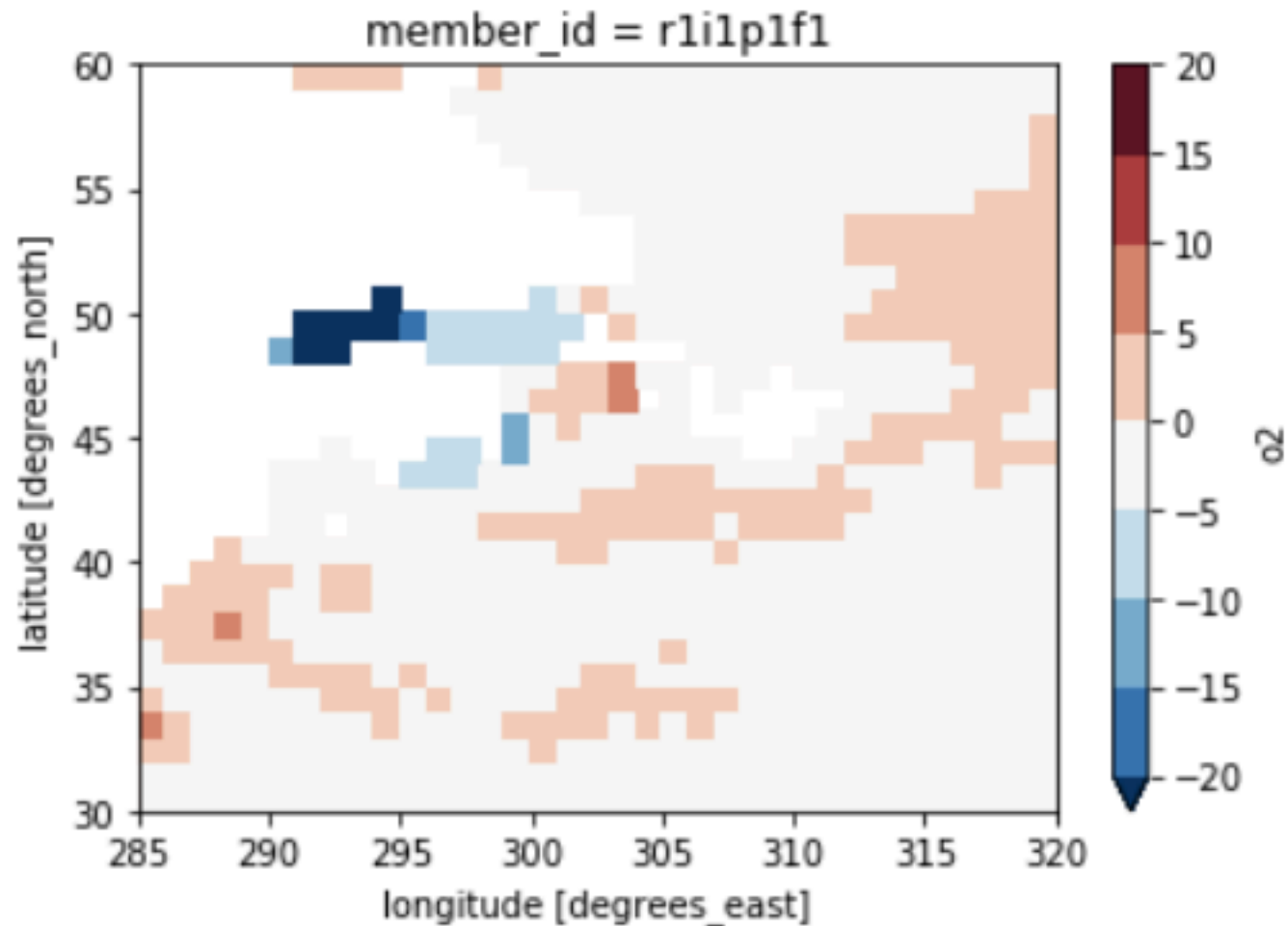
Kinetic energy diagnosis (snapshot)

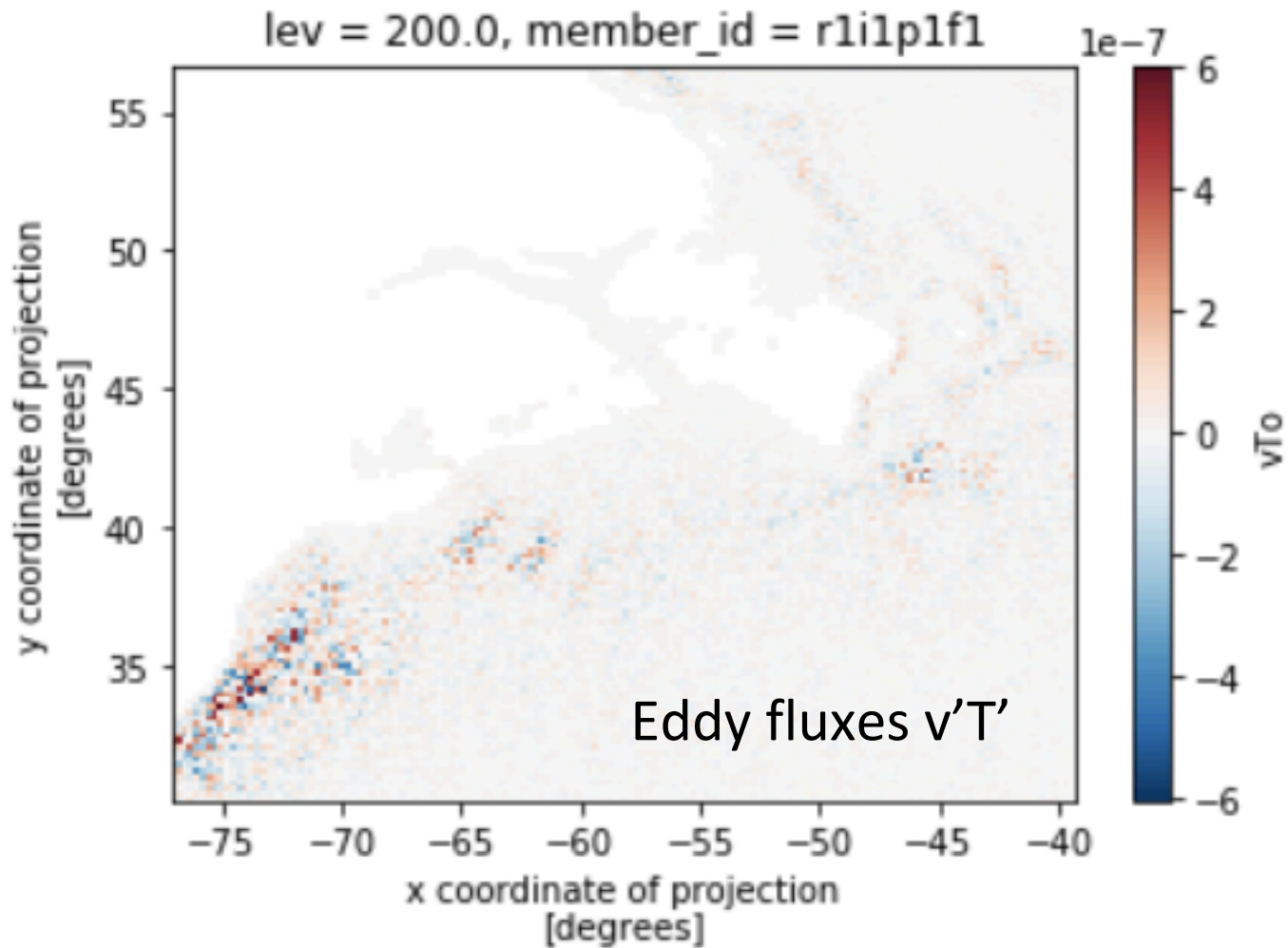time = 72960, lev = 200.0, member_id = r1i1p1f1

Reynolds decomposition of vT

lev = 200.0, member_id = r1i1p1f1

Time mean over 10 years

time = 4365360, lev = 200.0, member_id = r1i1p1f1

Eddy fluxes v'T'

snapshot

lev = 200.0, member_id = r1i1p1f1

Eddy fluxes v'T'

Mean over 10 years