

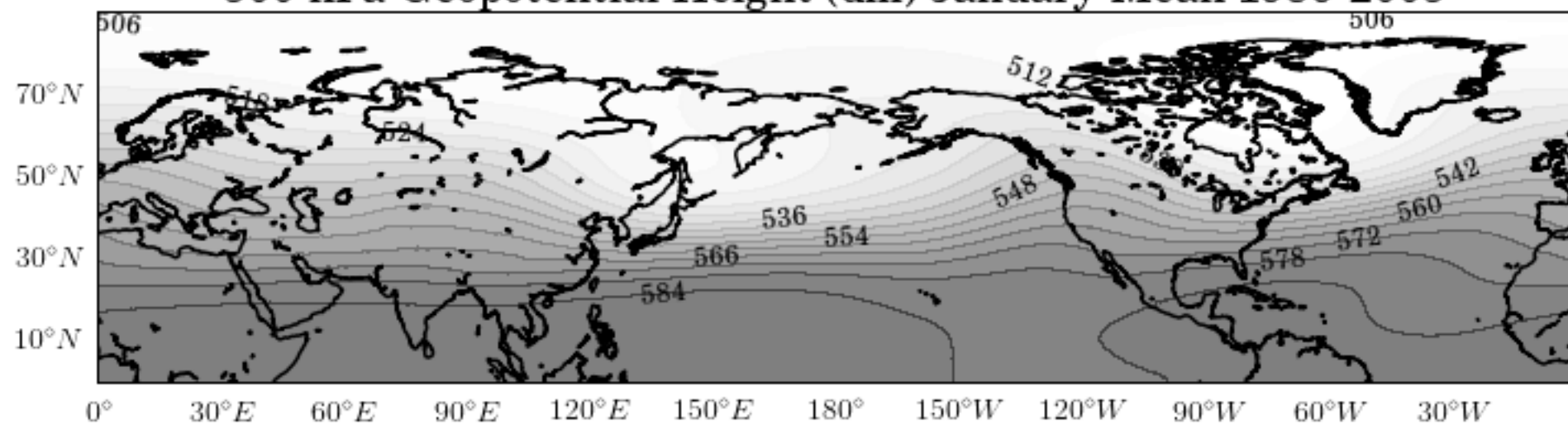
ATM 622

General Circulation

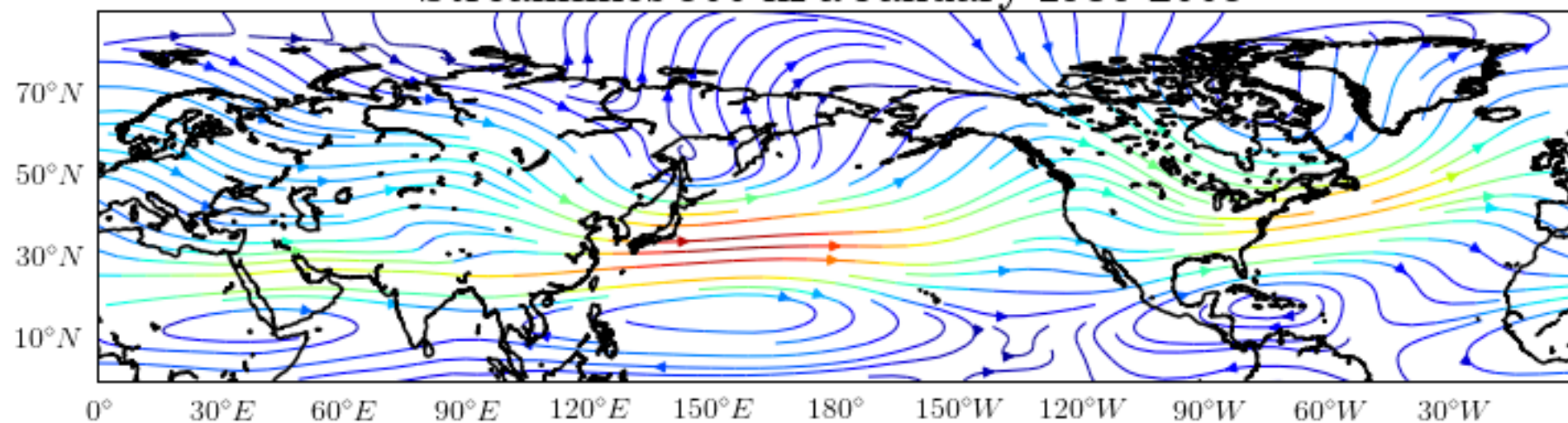
8. North Atlantic Storm Track

Brayshaw et al. (2009)

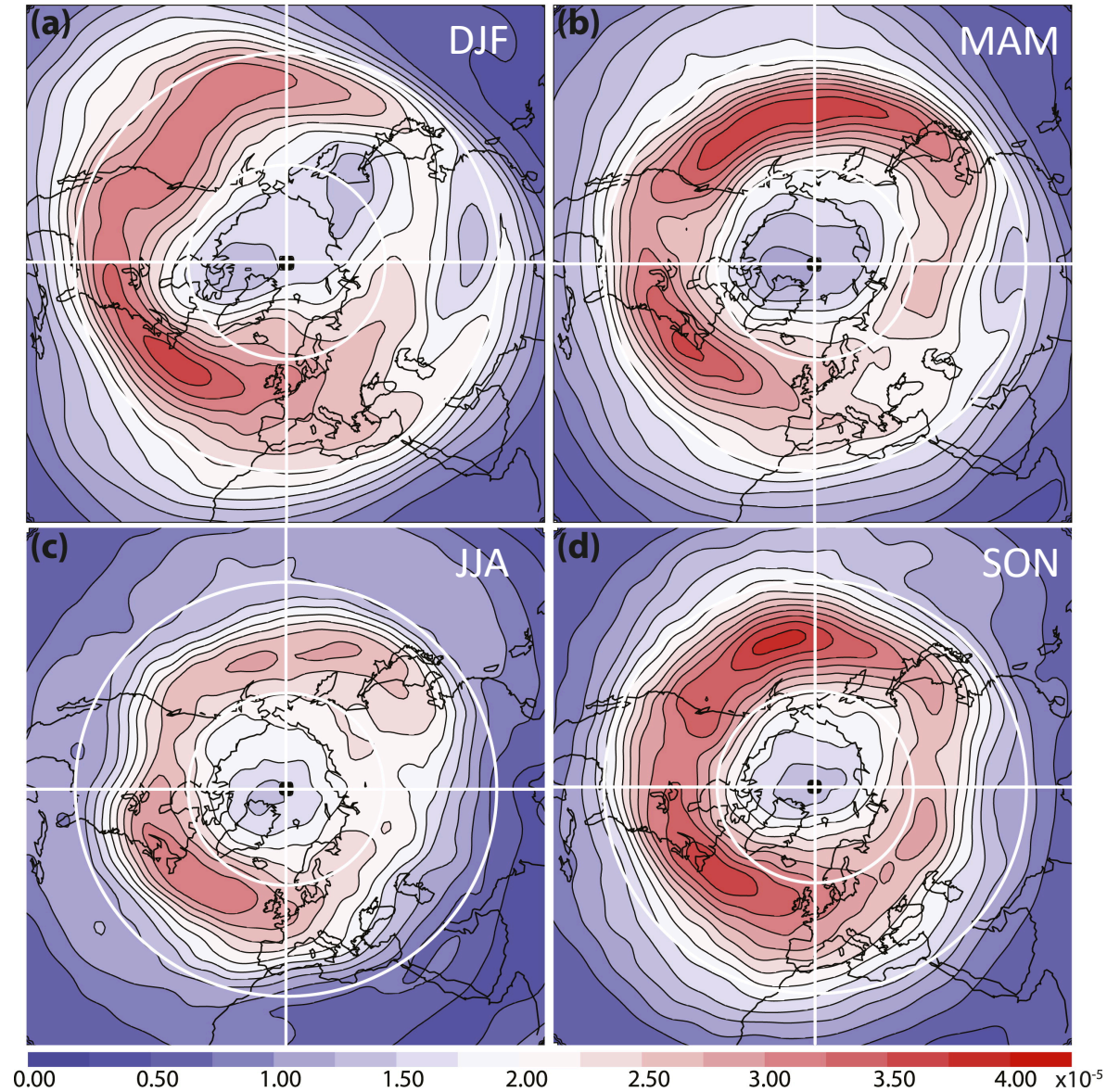
500 hPa Geopotential Height (dm) January Mean 1986-2005

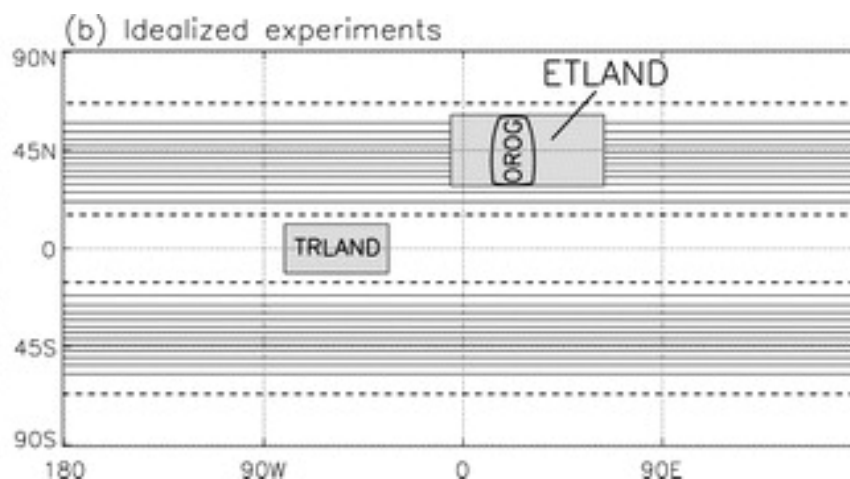
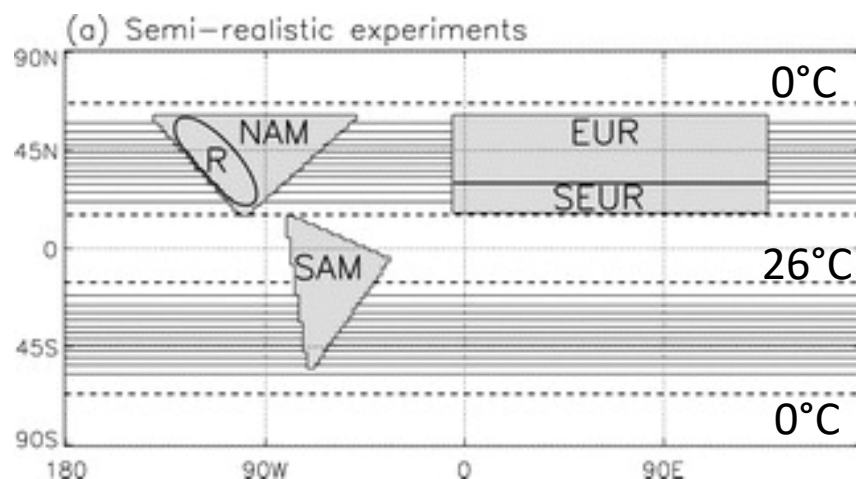


Streamlines 500 hPa January 1986-2005



2–6-day bandpass-filtered variance of 250-hPa vorticity

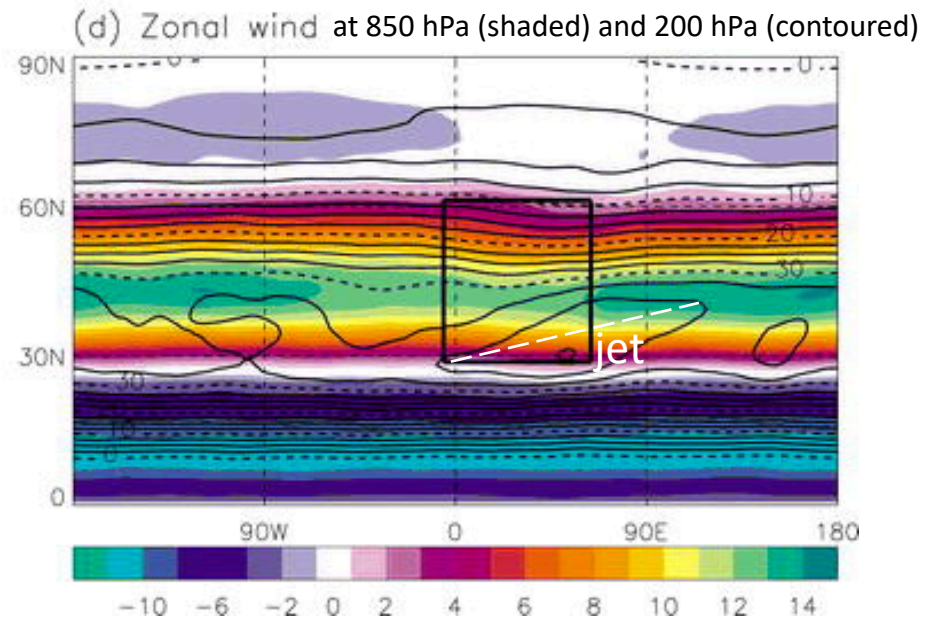
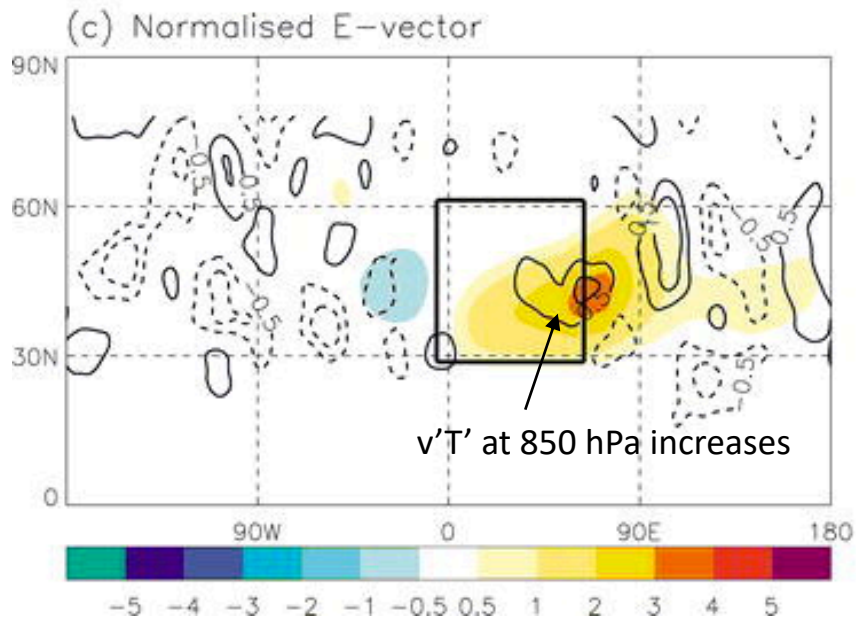
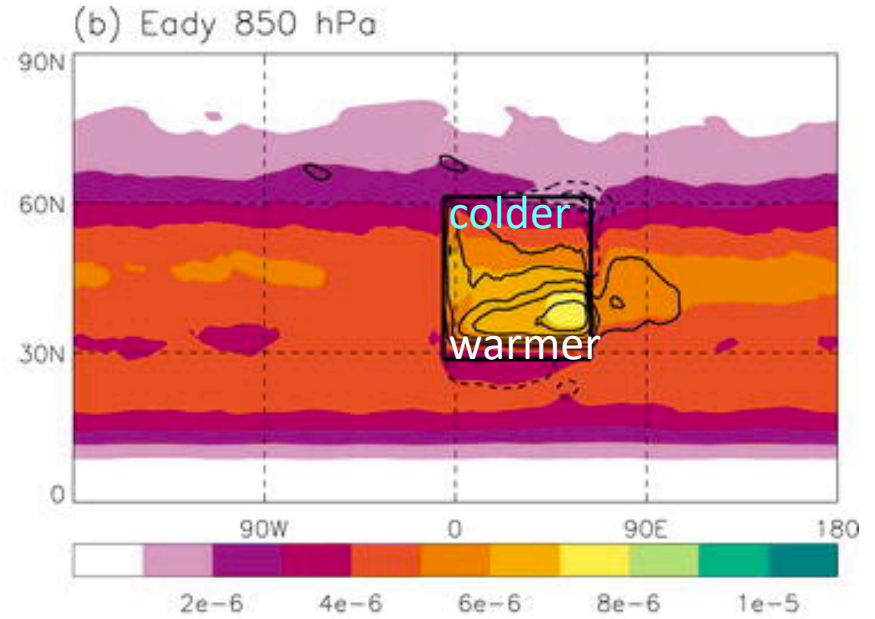
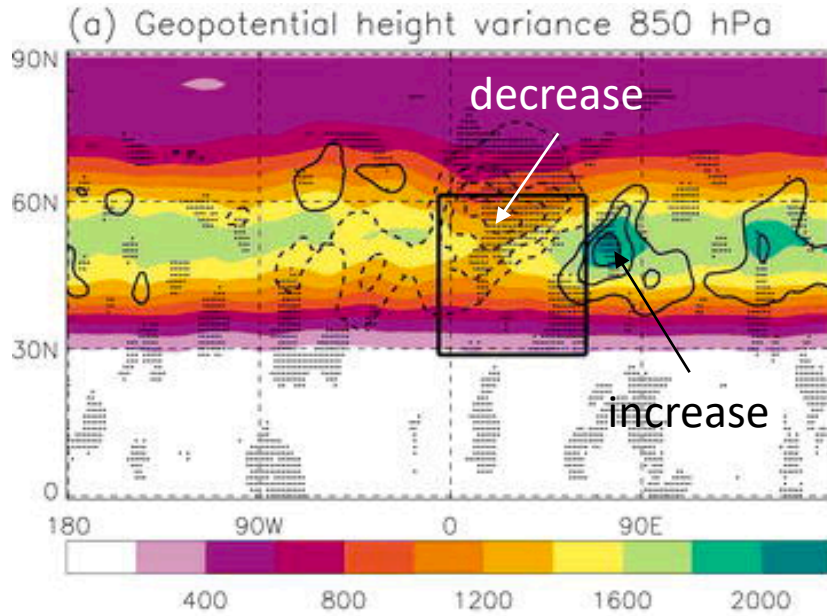




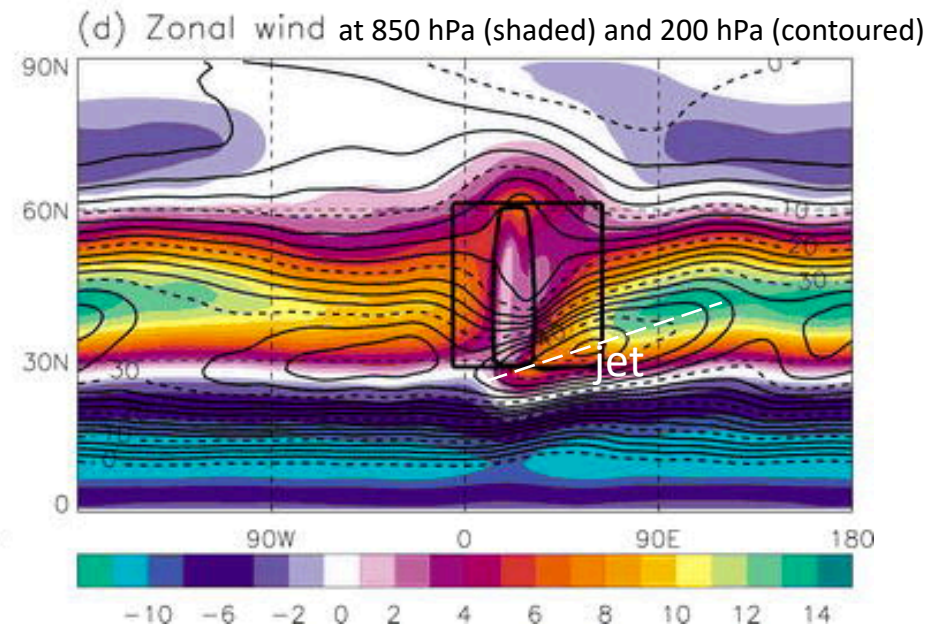
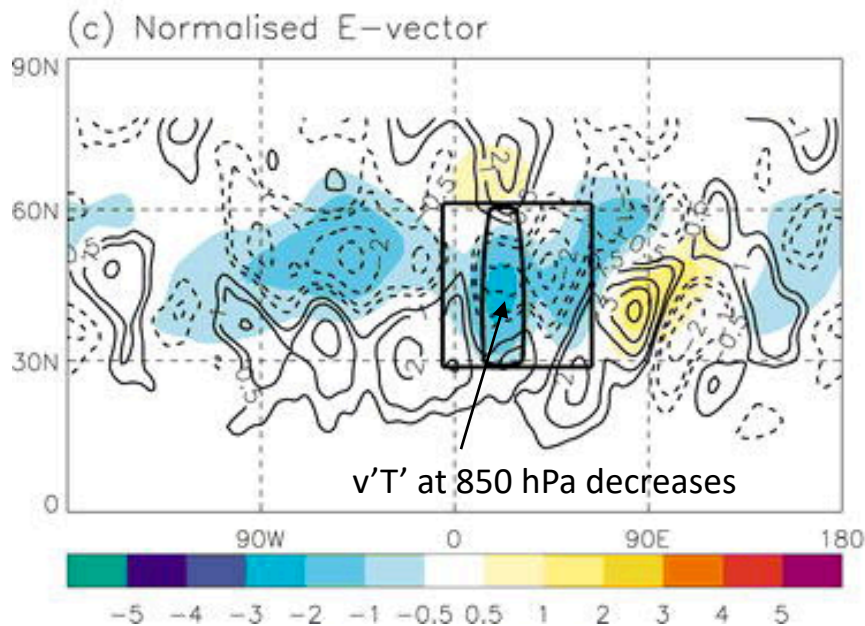
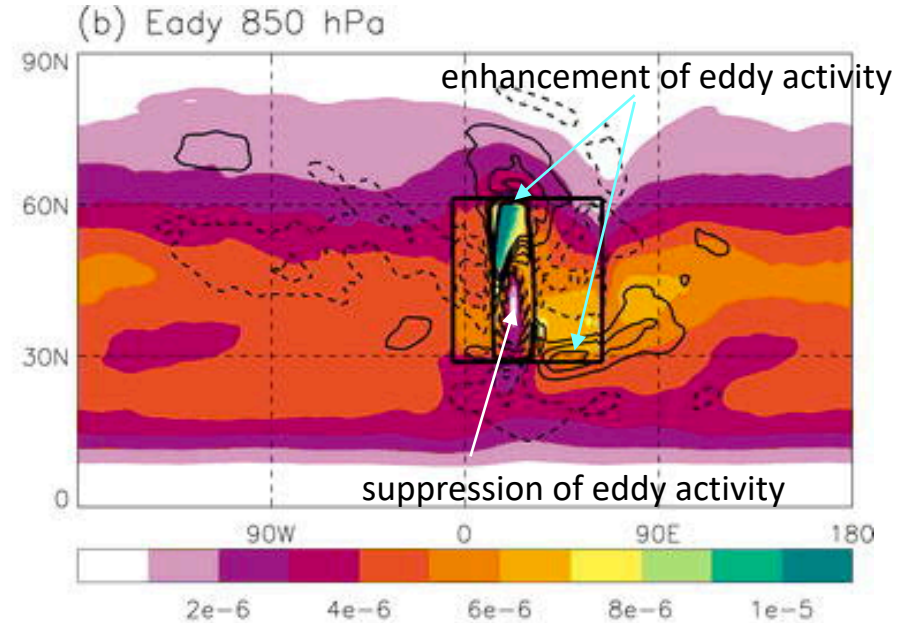
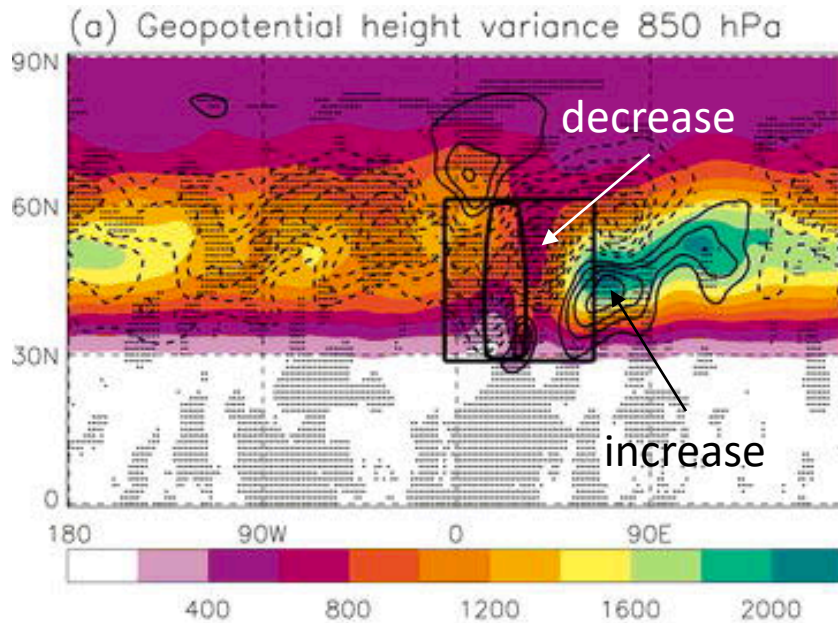
Experiment	HemSym	Years	NHC			
			(NAM+EUR)	SAM	R	SEUR
QOBSWIDE	Y	10				
2C	N	5	Y			Y
2C+R	N	5	Y		Y	Y
3C	N	5	Y	Y		Y
3C-SEUR	N	5	Y	Y		
3C+R	N	5	Y	Y	Y	Y

Experiment	HemSym	Years	Description
TRLAND	Y	5	Small landmass in the tropics only
ETLAND	N	5	Small landmass in the extratropics only
OROG	N	5	As in ETLAND but also including a mountain

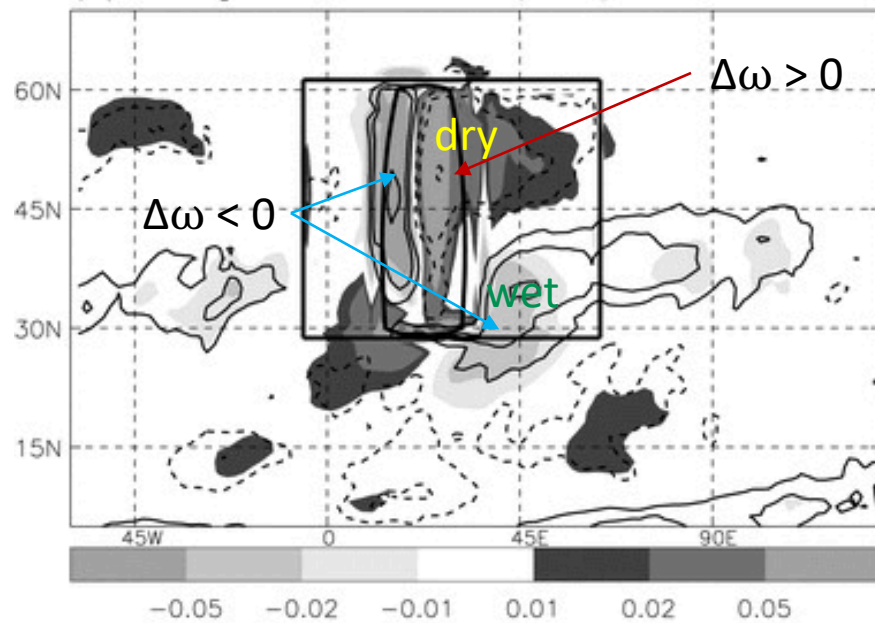
ETLAND (compared to control run)



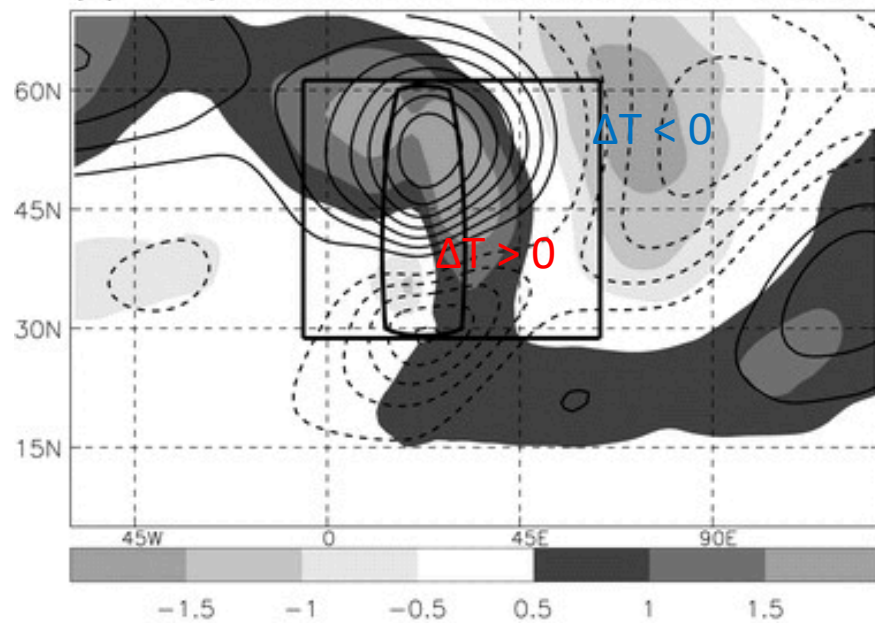
OROG-ETLAND (compared to ETLAND)



(a) Omega 700 hPa and precipitation

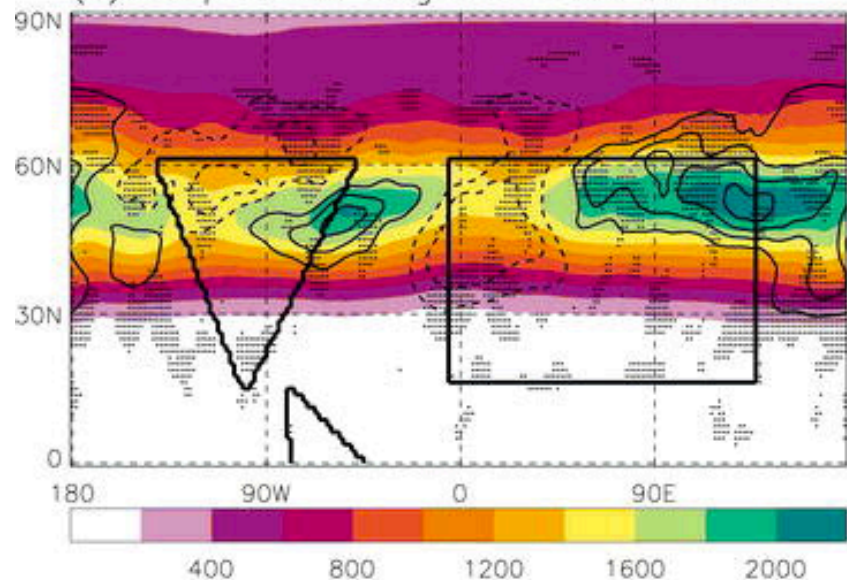


(b) Temp. and stream function anom. 700 hPa

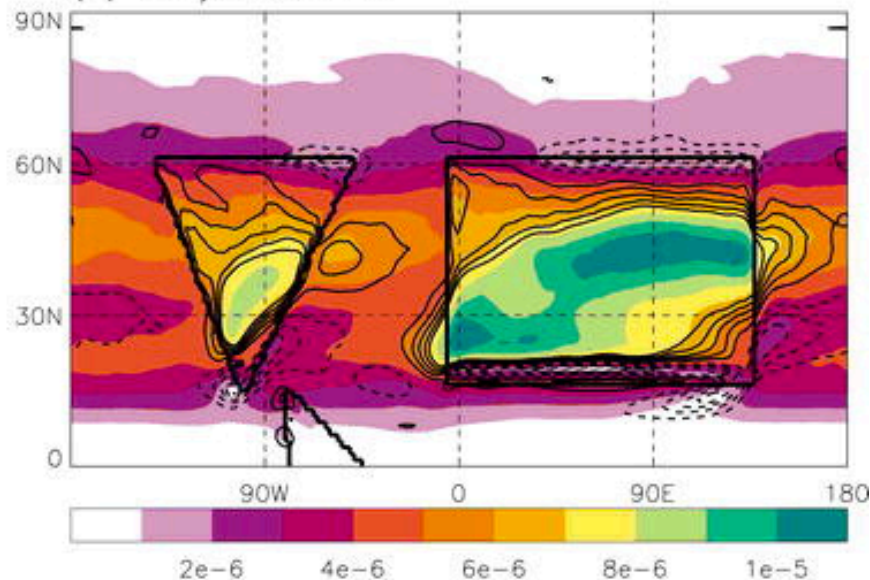


3C (compared to control run)

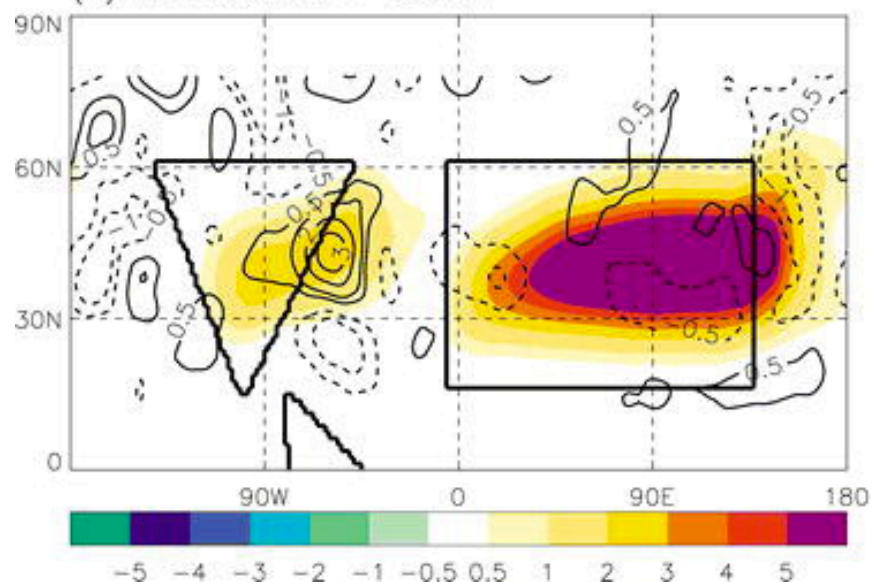
(a) Geopotential height variance 850 hPa



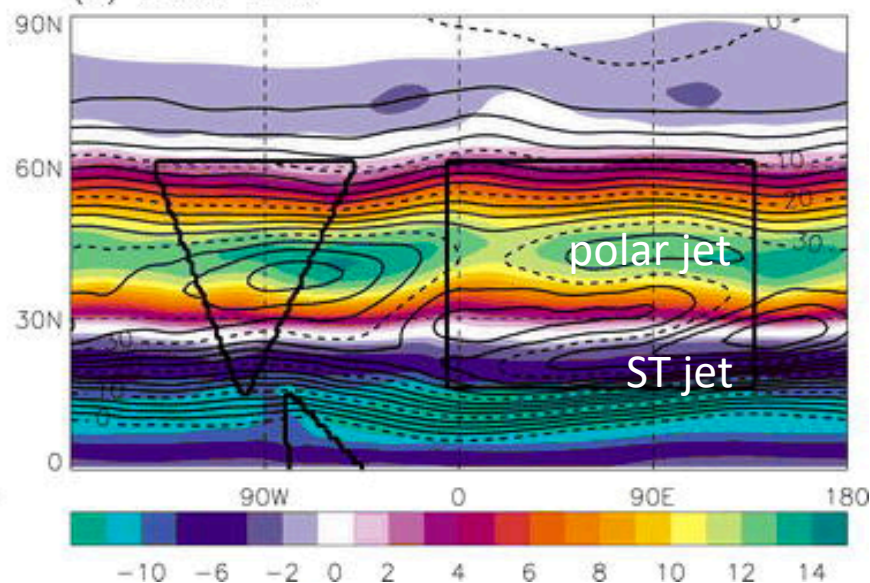
(b) Eady 850 hPa



(c) Normalised E-vector

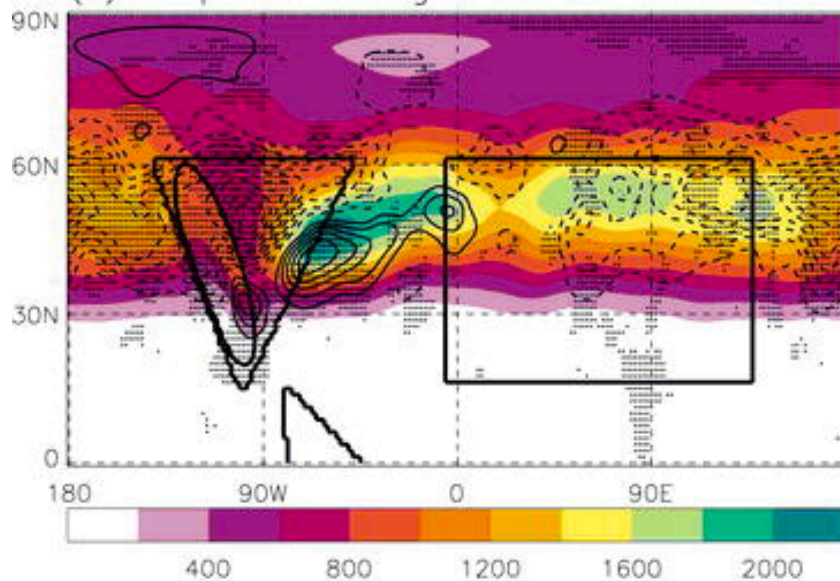


(d) Zonal wind

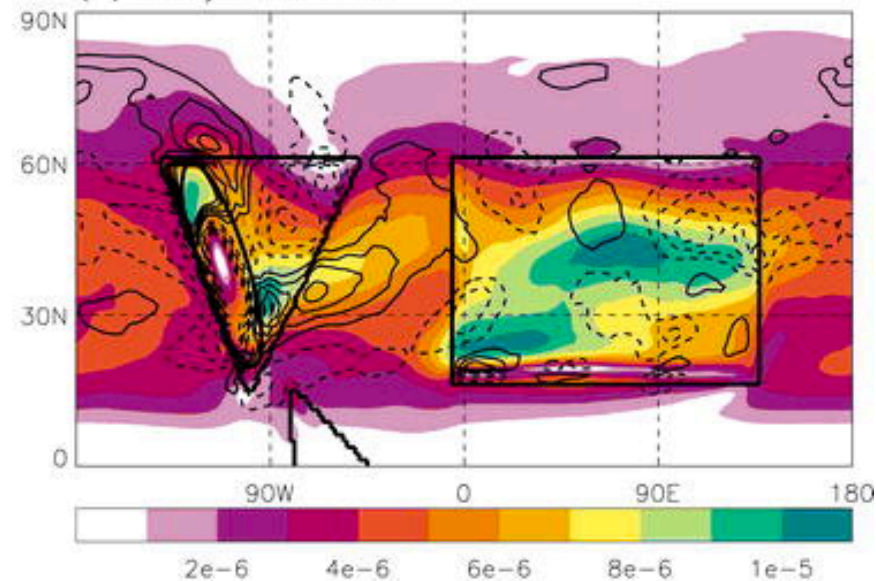


3C+R (compared to 3C)

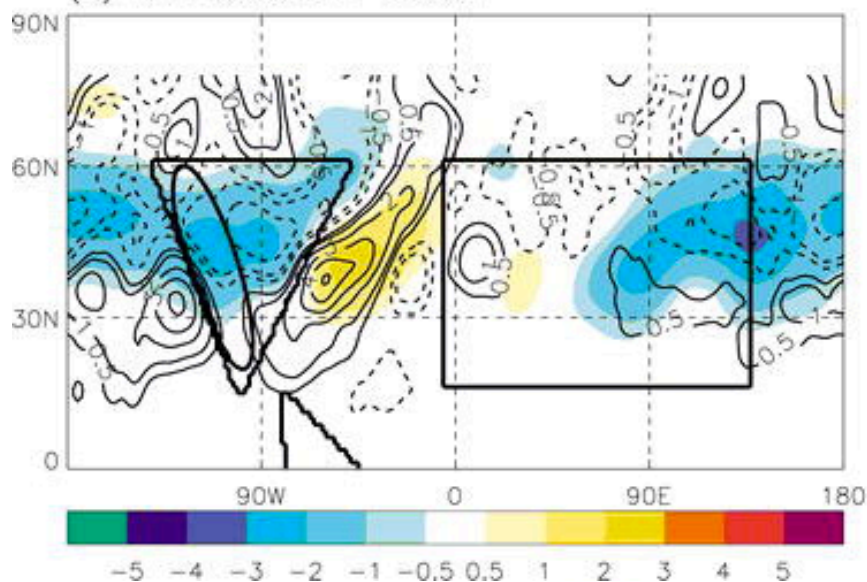
(a) Geopotential height variance 850 hPa



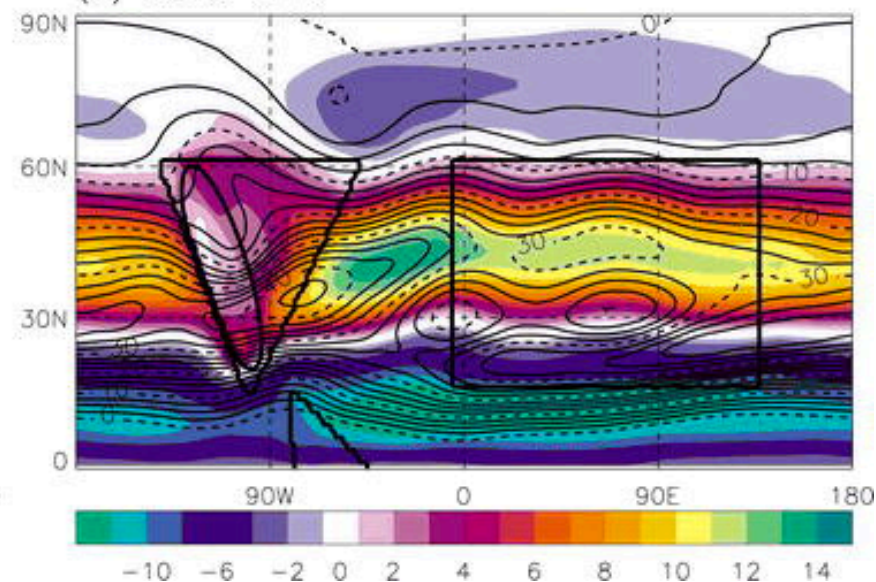
(b) Eady 850 hPa



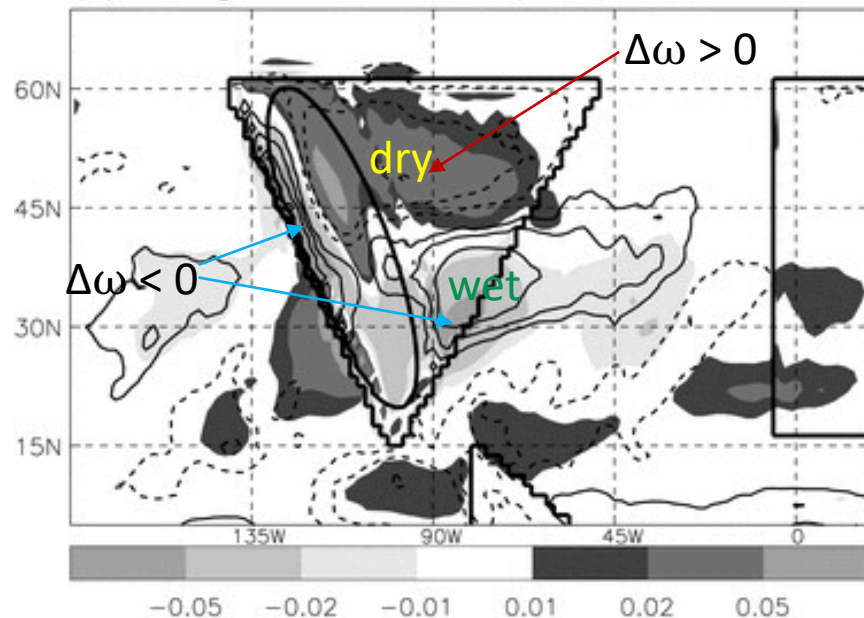
(c) Normalised E-vector



(d) Zonal wind



(a) Omega 700 hPa and precipitation



(b) Temp. and stream function anom. 700 hPa

