

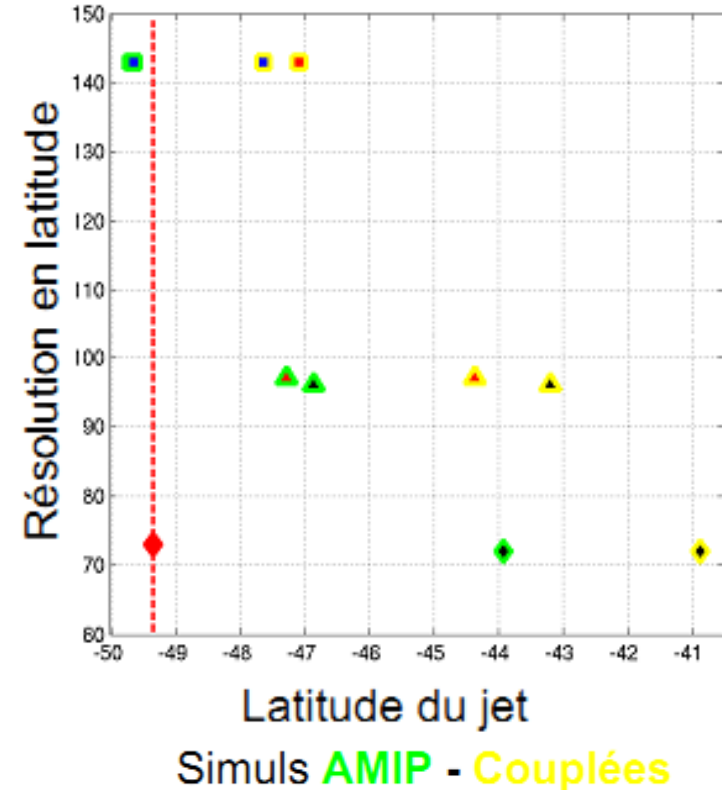
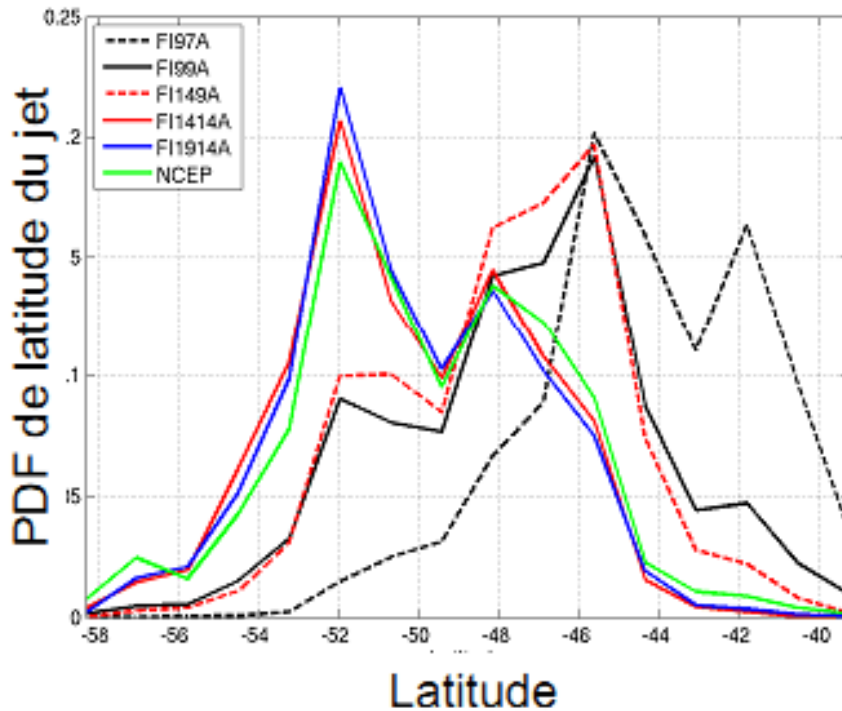
# Impact of horizontal resolution on the eddy-driven jets: mean state and variability

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Simulations à 19 niveaux verticaux, résolution horizontale variable:  
Couplées, ou forcées par SST interannuelles AMIP.

# 1. Hémisphère sud – été

## Jet simple, situation proche de symétrie zonale



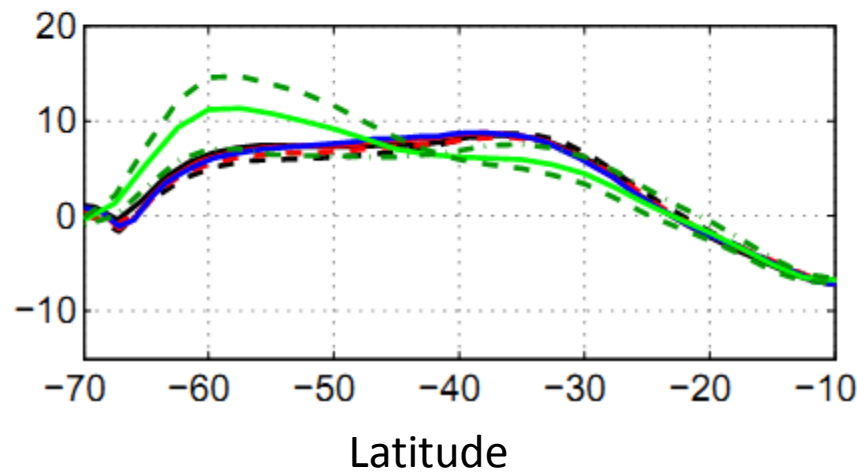
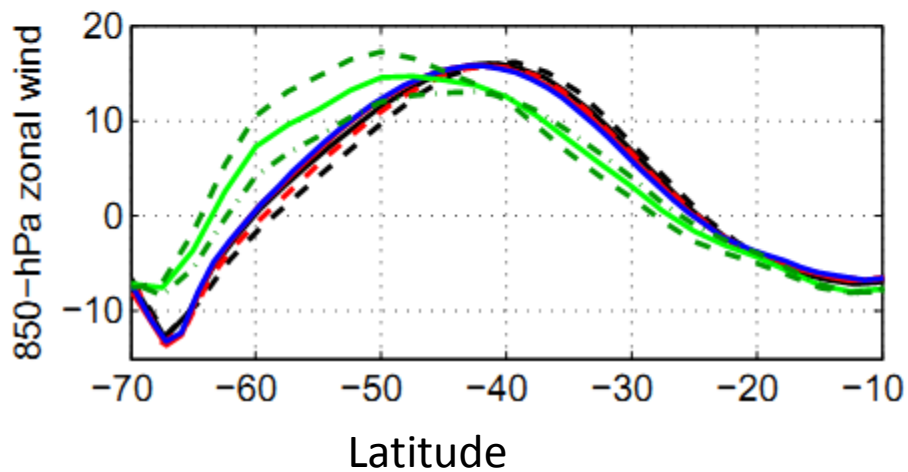
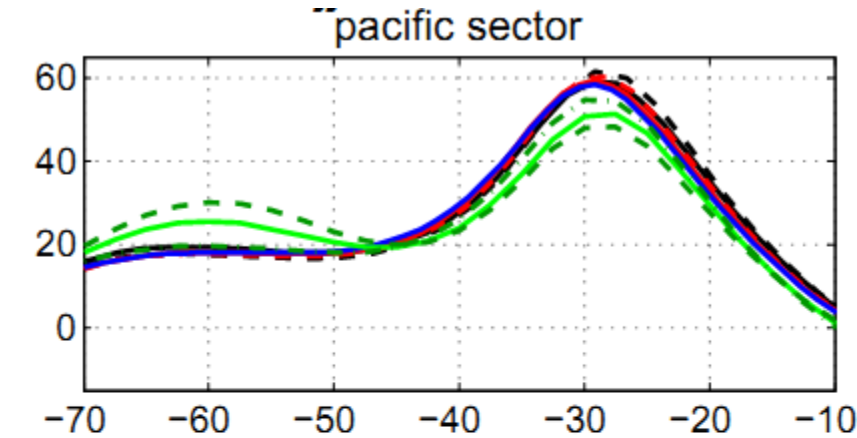
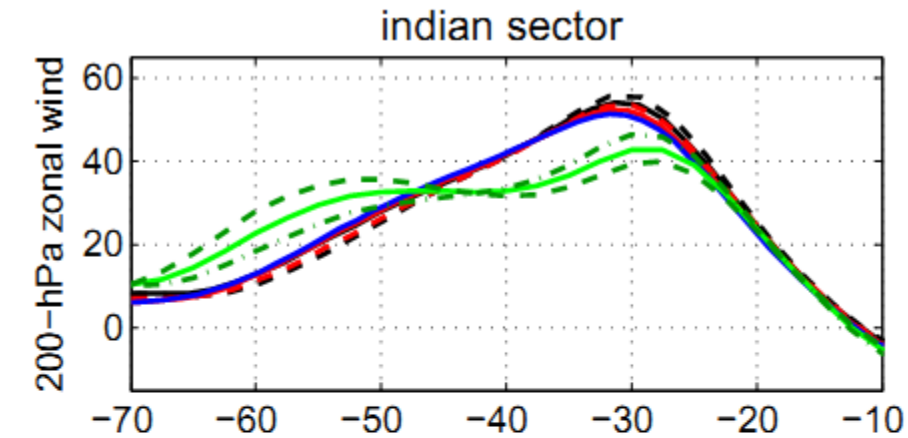
Egalement, quand la résolution – et la latitude du jet – augmente:

- Skewness tend vers 0
- Variance stable, mais
- Autocorrélation diminue

## 2. Hémisphère sud – hiver

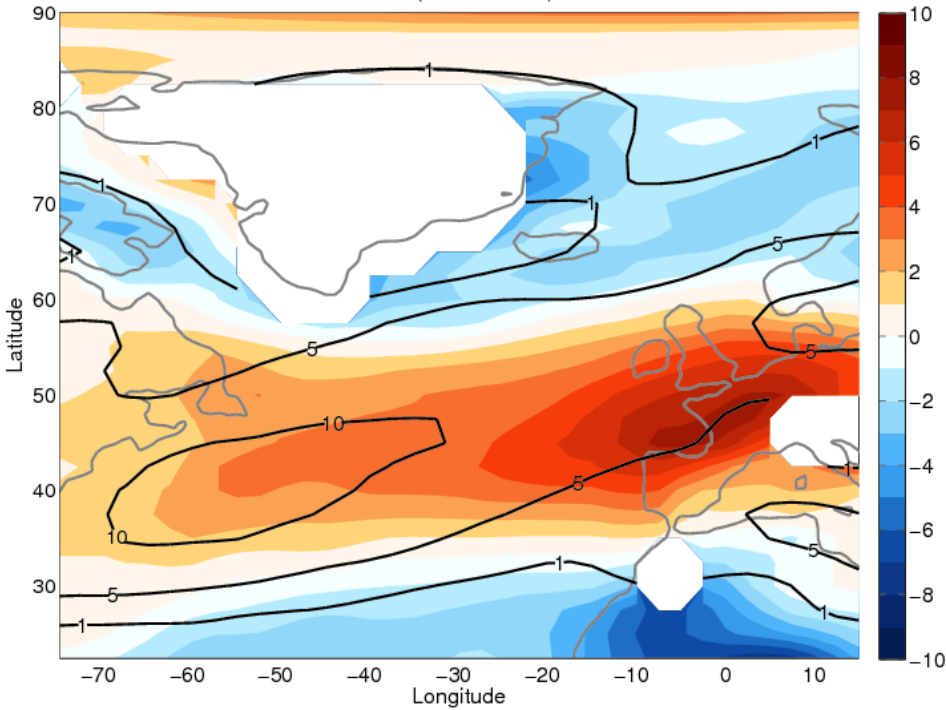
Présence d'un fort jet subtropical dans l'Indo-Pacifique

Vent moyen NCEP et simuls AMIP

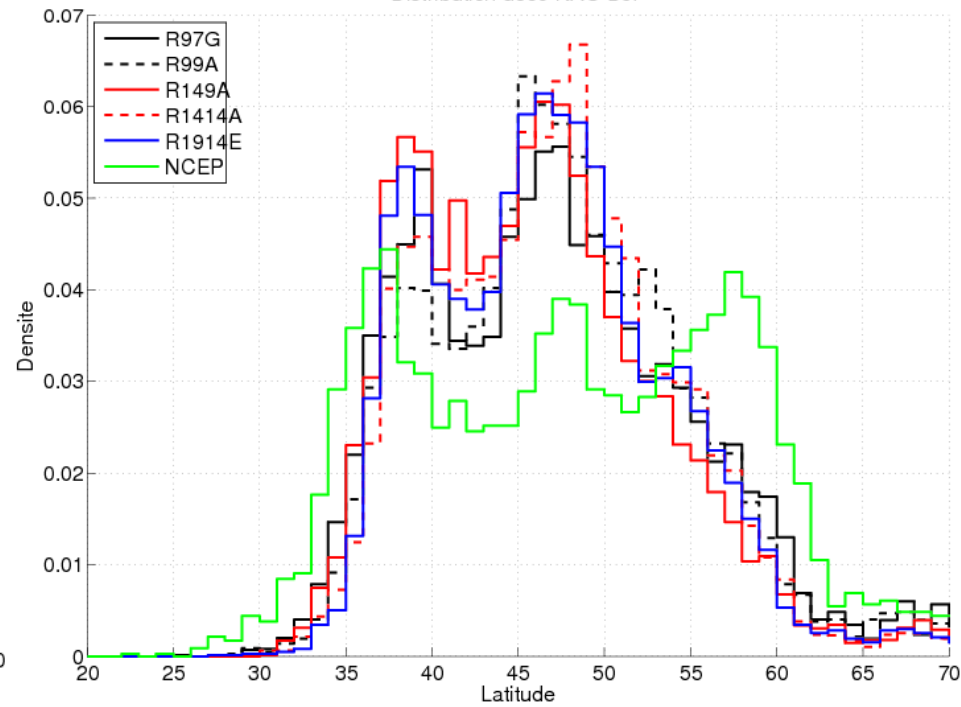


### 3. Atlantique nord – hiver

u850 (R99A–NCEP)



Distribution u850 NAO DJF



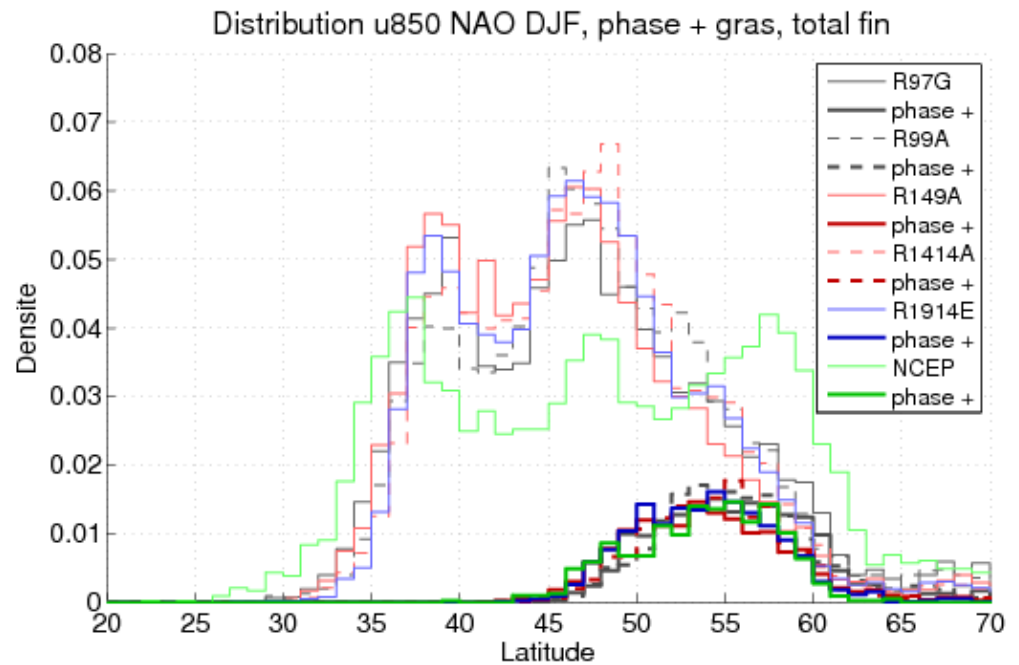
Vent zonal 850-hPa:  
Observations (contours),  
Biais (couleur)

Distribution de la position du jet  
(simulations couplées)

### 3. Atlantique nord – hiver

Gras:  $NAO > 1\sigma$

Distributions de la position du jet  
Simulations couplées



Gras:  $NAO < -1\sigma$

