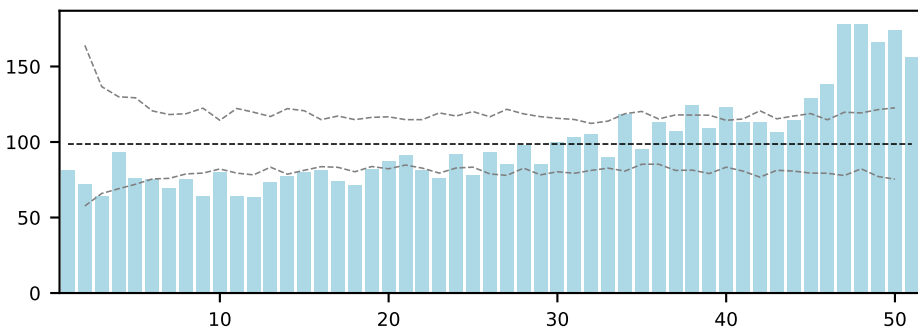


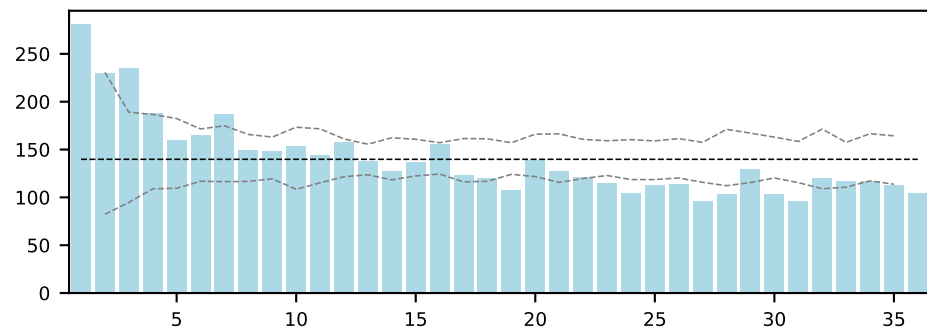
centroid latitude 50hPa

A

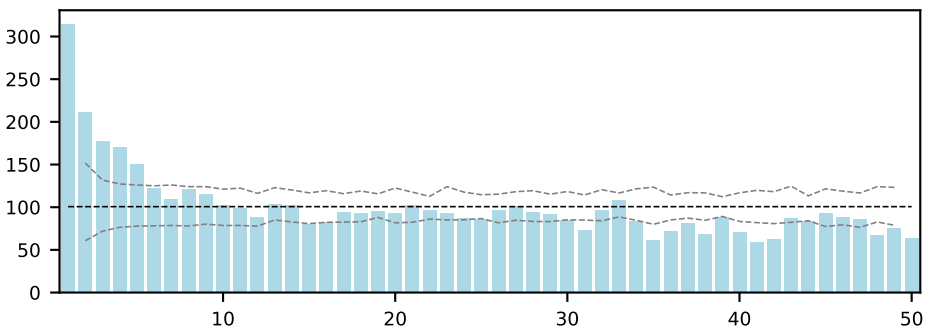
CanESM2
 χ^2 : 461.39
Bias: 336.71 Spread: 53.66

**B**

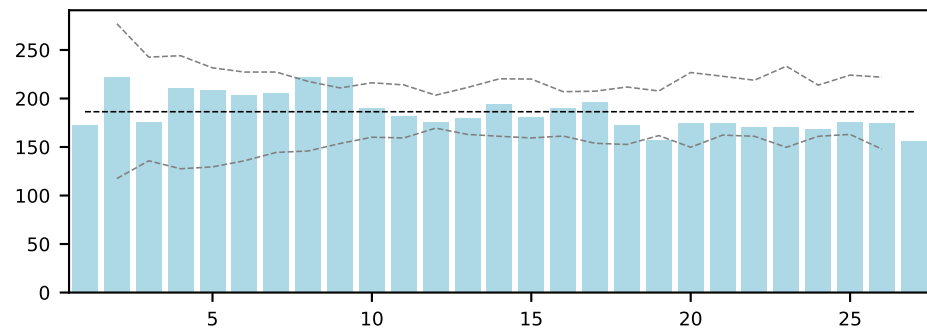
CanESM5
 χ^2 : 424.59
Bias: 276.07 Spread: 65.13

**C**

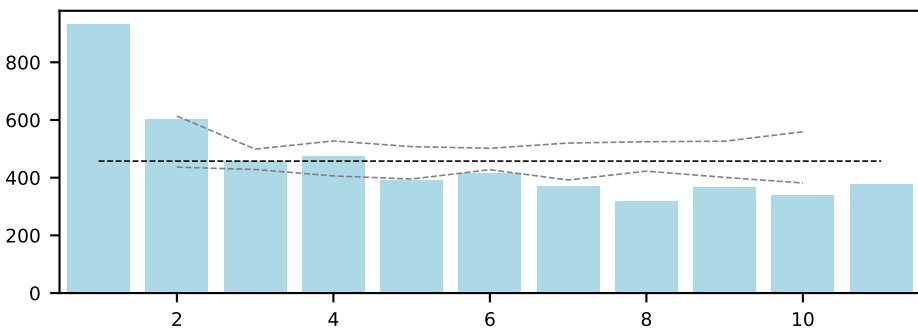
CESM2
 χ^2 : 869.43
Bias: 366.22 Spread: 115.06

**D**

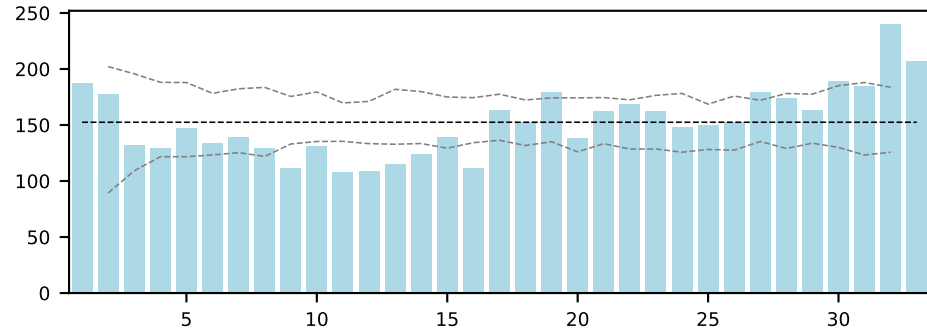
CNRM-CM6-1
 χ^2 : 51.06
Bias: 22.69 Spread: 0.35

**E**

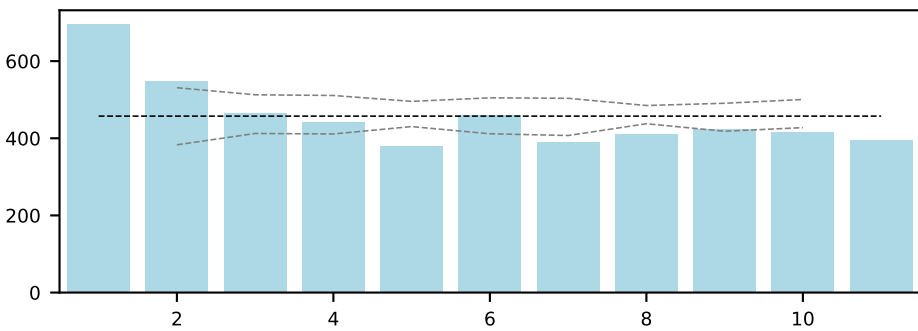
INM-CM5-0
 χ^2 : 678.00
Bias: 391.94 Spread: 148.44

**F**

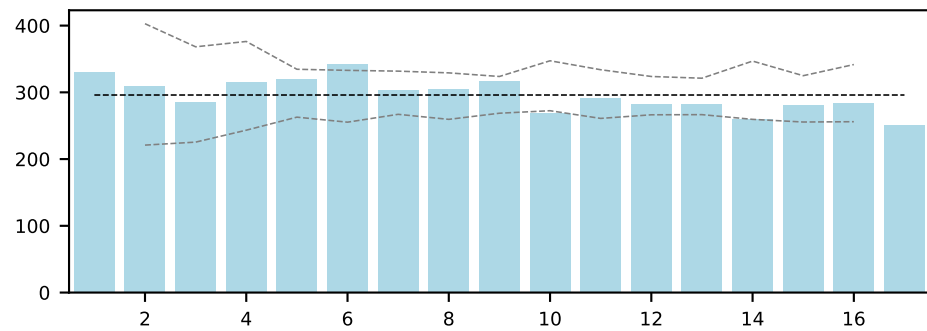
IPSL-CM6A-LR
 χ^2 : 195.08
Bias: 64.22 Spread: 46.14

**G**

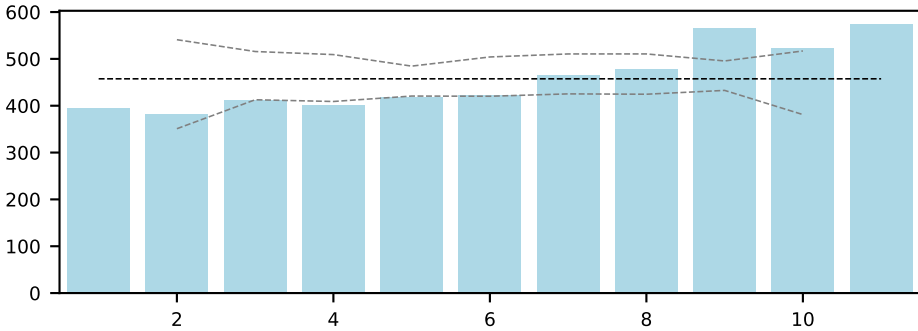
MIROC6
 χ^2 : 186.19
Bias: 97.24 Spread: 43.67

**H**

UKESM1-0-LL
 χ^2 : 33.71
Bias: 18.81 Spread: 1.03

**I**

MPI-ESM1-2-HR
 χ^2 : 104.41
Bias: 89.40 Spread: 7.42

**J**

MPI-ESM1-2-LR
 χ^2 : 192.89
Bias: 131.22 Spread: 8.00

