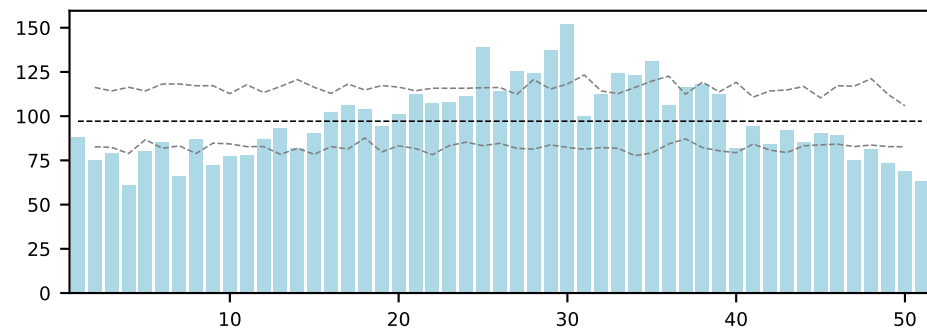


vortex angle 10hPa

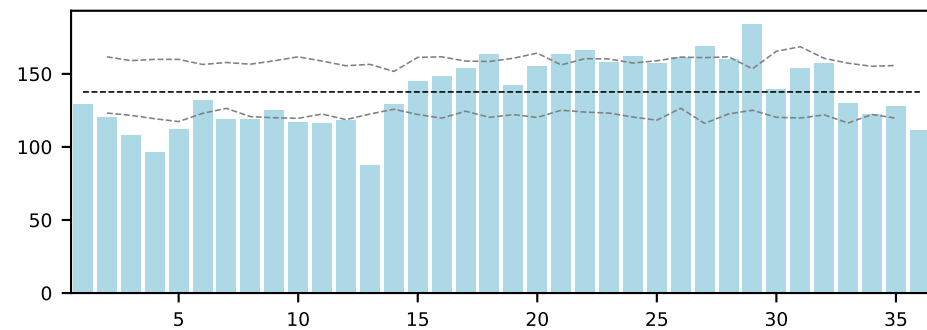
A

CanESM2
 χ^2 : 229.64
Bias: 5.49 Spread: 155.64



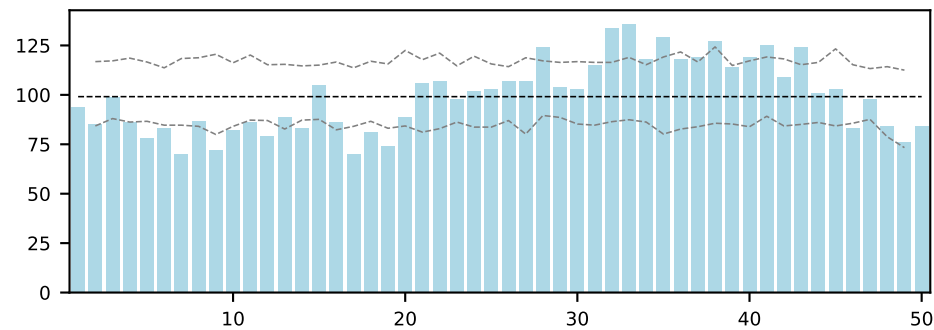
B

CanESM5
 χ^2 : 135.23
Bias: 35.10 Spread: 28.79



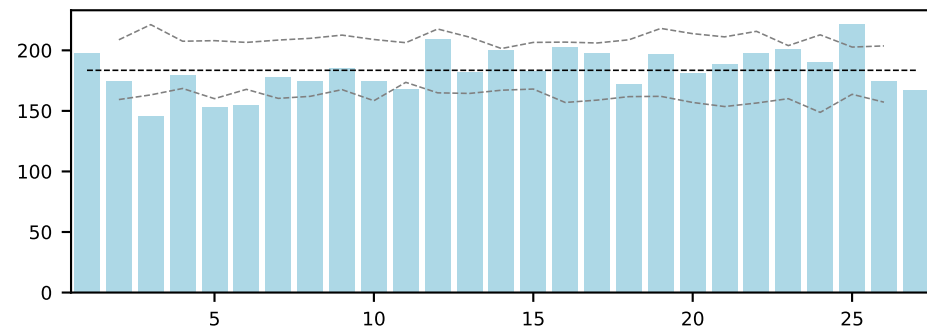
C

CESM2
 χ^2 : 161.26
Bias: 37.78 Spread: 22.43



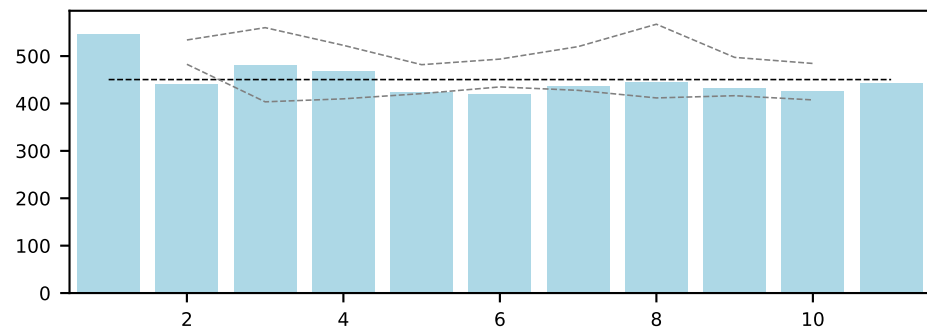
D

CNRM-CM6-1
 χ^2 : 44.21
Bias: 7.98 Spread: 2.20



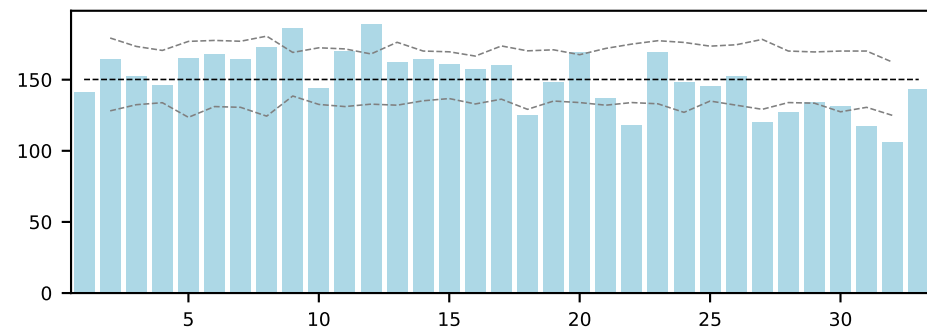
E

INM-CM5-0
 χ^2 : 29.38
Bias: 11.35 Spread: 7.30



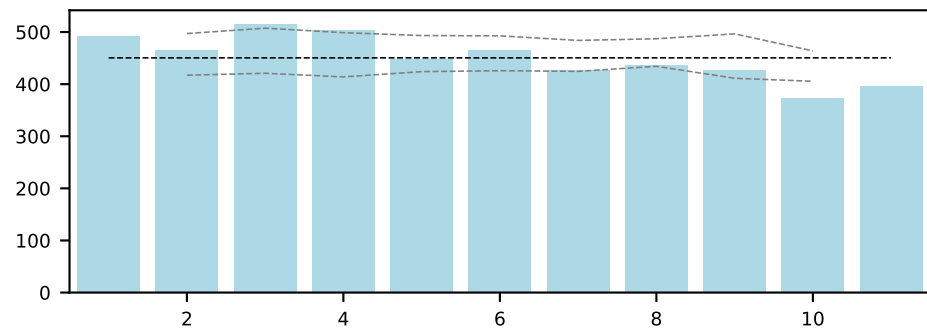
F

IPSL-CM6A-LR
 χ^2 : 87.45
Bias: 31.79 Spread: 7.62



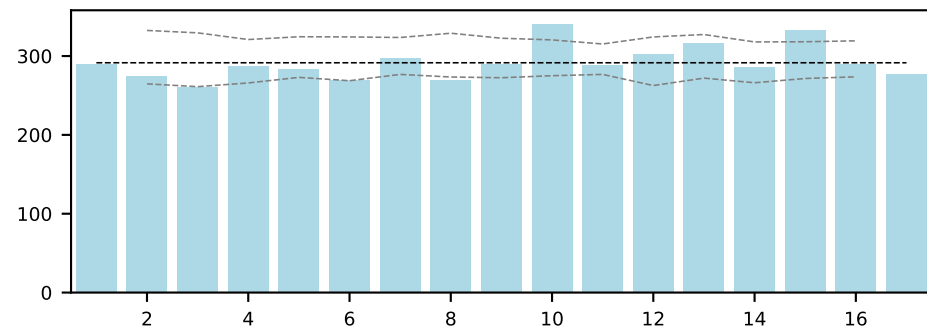
G

MIROC6
 χ^2 : 42.88
Bias: 32.24 Spread: 1.17



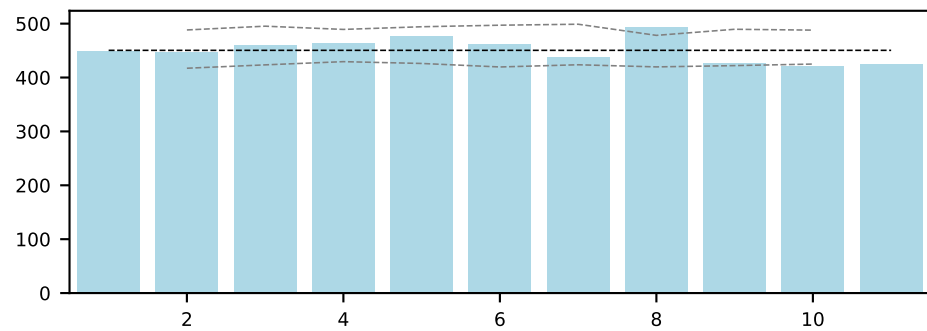
H

UKESM1-0-LL
 χ^2 : 25.77
Bias: 4.29 Spread: 1.05



I

MPI-ESM1-2-HR
 χ^2 : 11.45
Bias: 1.77 Spread: 3.27



J

MPI-ESM1-2-LR
 χ^2 : 43.03
Bias: 5.91 Spread: 7.81

