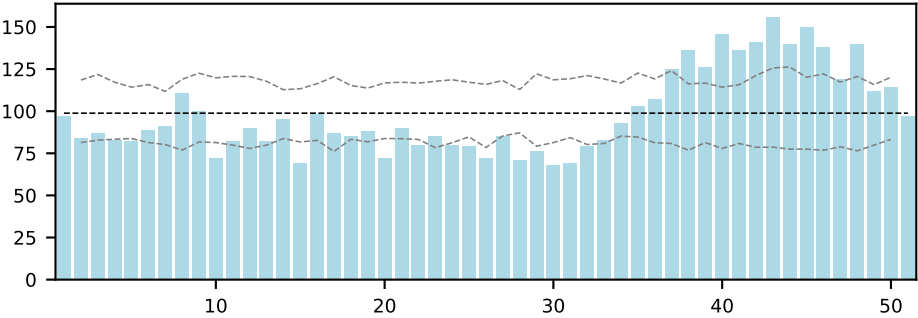


centroid longitude 100hPa

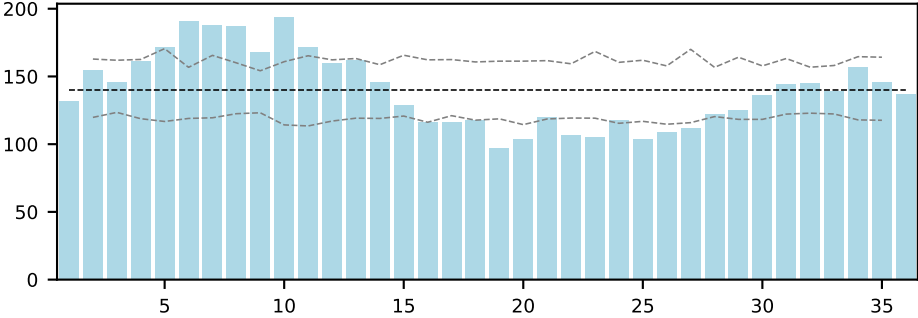
A

CanESM2  
 $\chi^2$ : 310.02  
Bias: 118.84 Spread: 66.86



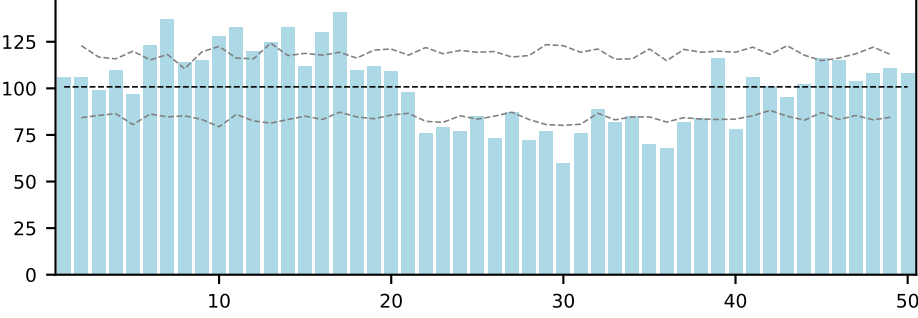
B

CanESM5  
 $\chi^2$ : 190.21  
Bias: 44.20 Spread: 47.26



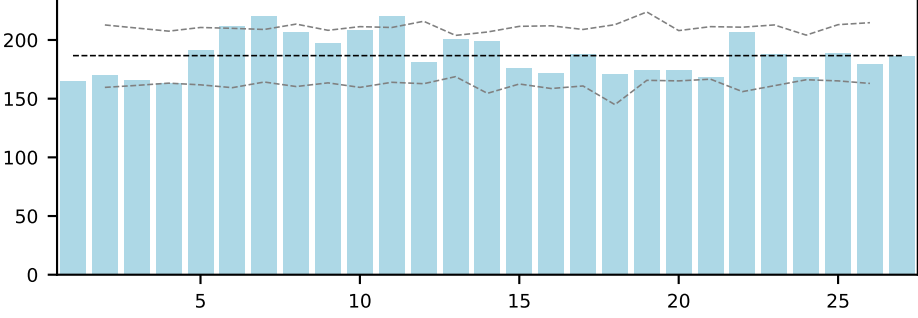
C

CESM2  
 $\chi^2$ : 202.32  
Bias: 26.31 Spread: 50.33



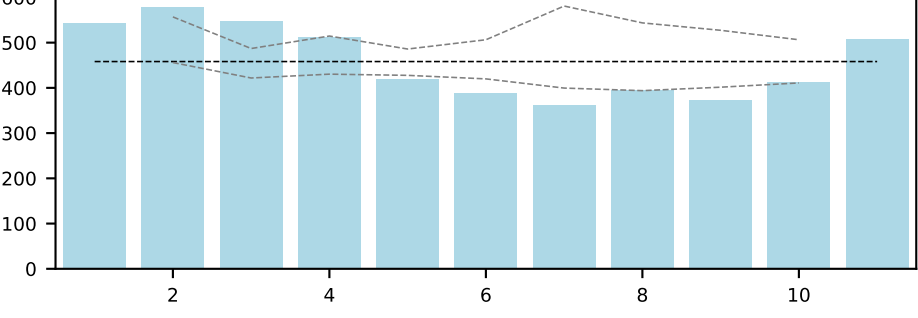
D

CNRM-CM6-1  
 $\chi^2$ : 43.16  
Bias: 0.39 Spread: 4.15



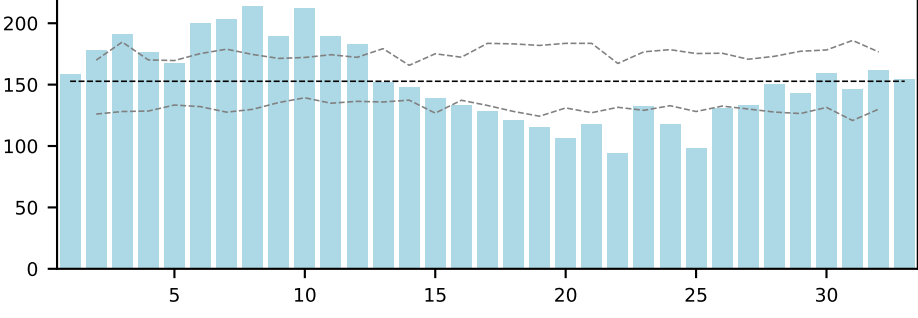
E

INM-CM5-0  
 $\chi^2$ : 139.71  
Bias: 55.00 Spread: 53.04



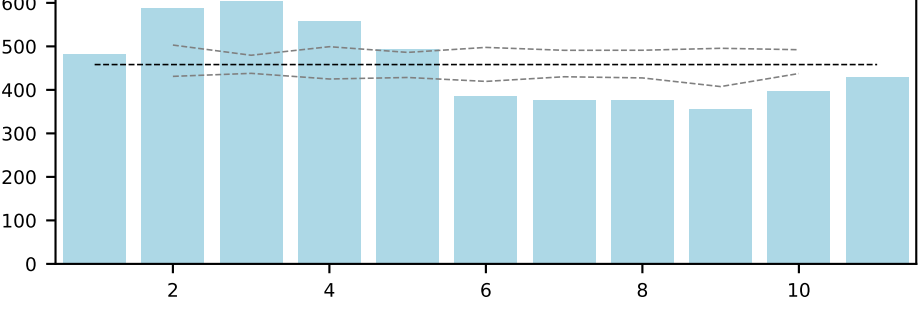
F

IPSL-CM6A-LR  
 $\chi^2$ : 227.21  
Bias: 77.08 Spread: 41.45



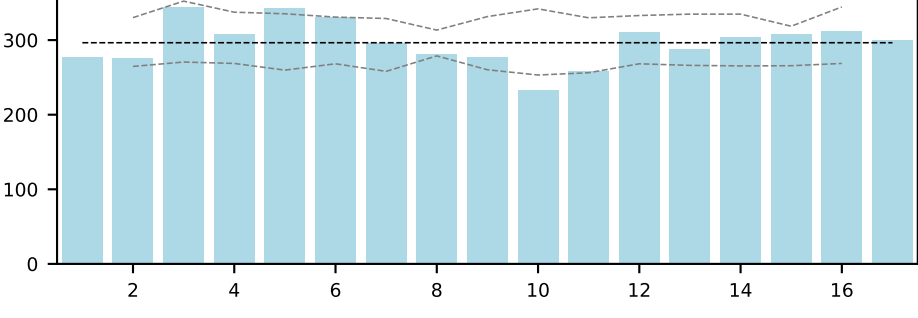
G

MIROC6  
 $\chi^2$ : 184.43  
Bias: 101.61 Spread: 9.90



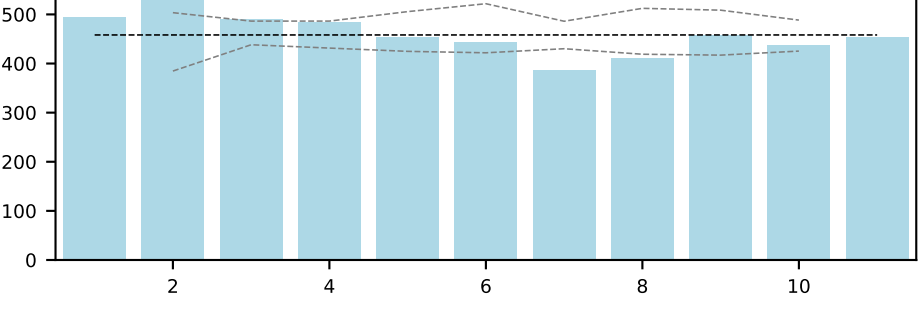
H

UKESM1-0-LL  
 $\chi^2$ : 44.88  
Bias: 0.33 Spread: 5.42



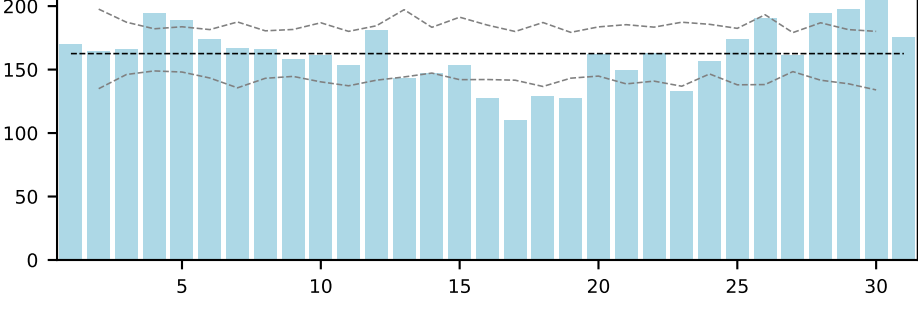
I

MPI-ESM1-2-HR  
 $\chi^2$ : 37.50  
Bias: 16.50 Spread: 9.09



J

MPI-ESM1-2-LR  
 $\chi^2$ : 97.18  
Bias: 0.69 Spread: 54.51



K

GFDL-CM3  
 $\chi^2$ : 182.88  
Bias: 69.90 Spread: 52.72

