

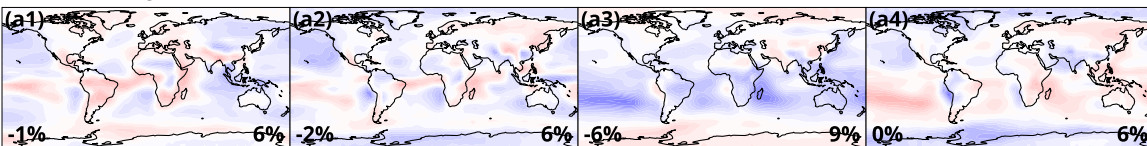
High

Middle

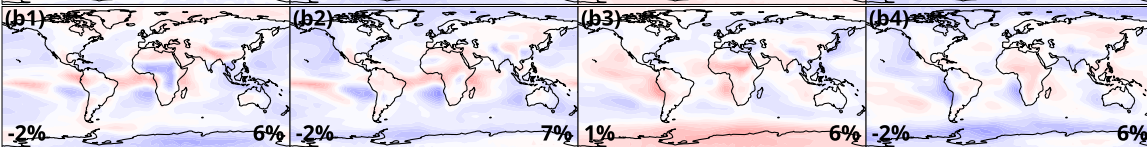
Cumuliform

Stratiform

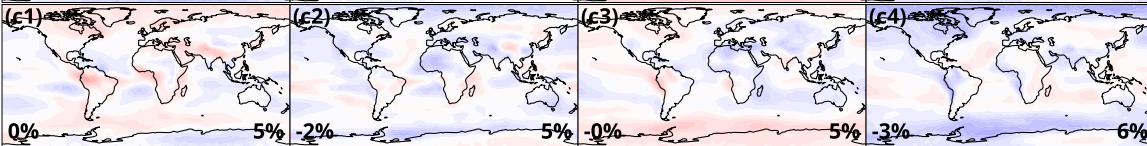
IPSL-CM6A-LR-INCA
ECS 4.1 K
Total RMSE 7.1%



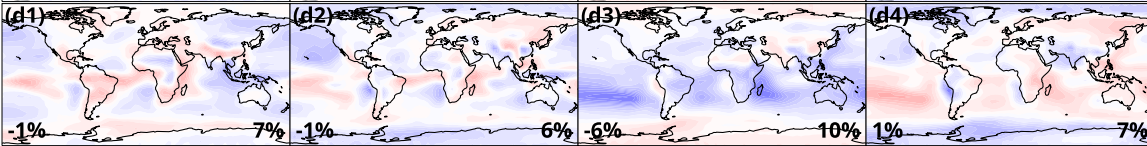
CNRM-CM6-1-HR
ECS 4.3 K
Total RMSE 6.2%



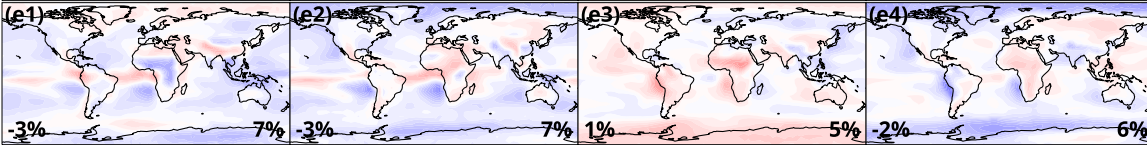
EC-Earth3P
ECS 4.3 K*
Total RMSE 5.0%



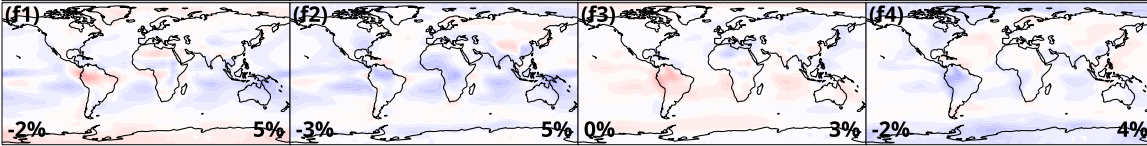
IPSL-CM6A-LR
ECS 4.6 K
Total RMSE 7.5%



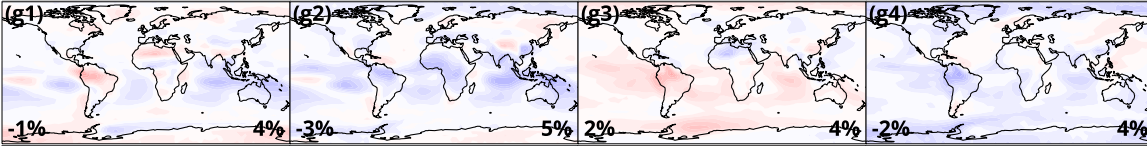
CNRM-CM6-1
ECS 4.8 K
Total RMSE 6.4%



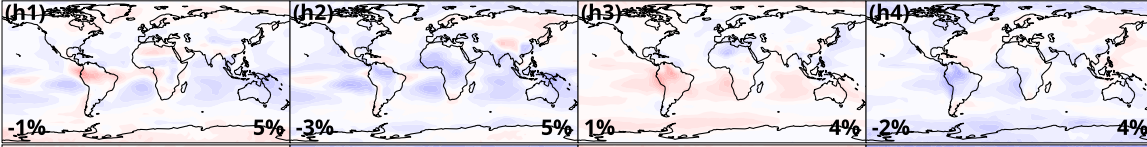
UKESM1-0-LL
ECS 5.3 K
Total RMSE 4.4%



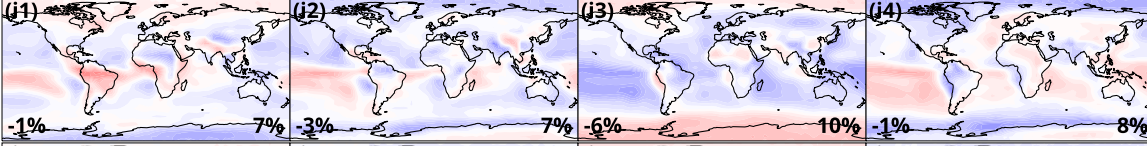
HadGEM3-GC31-MM
ECS 5.4 K
Total RMSE 4.6%



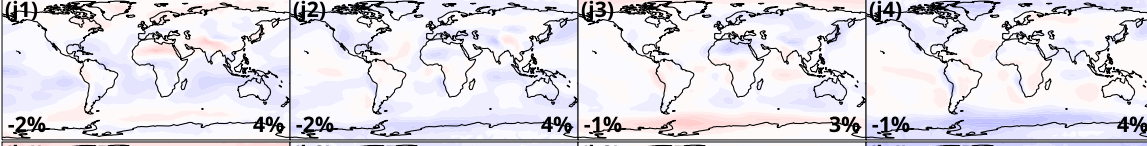
HadGEM3-GC31-LL
ECS 5.5 K
Total RMSE 4.5%



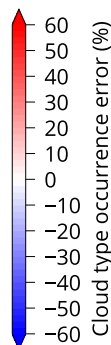
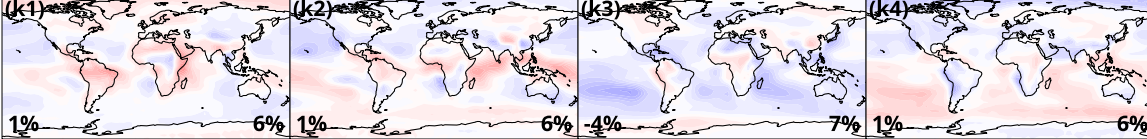
CanESM5
ECS 5.6 K
Total RMSE 8.0%



ERA5
Total RMSE 3.6%



MERRA-2
Total RMSE 6.0%



Cloud type occurrence error (%)