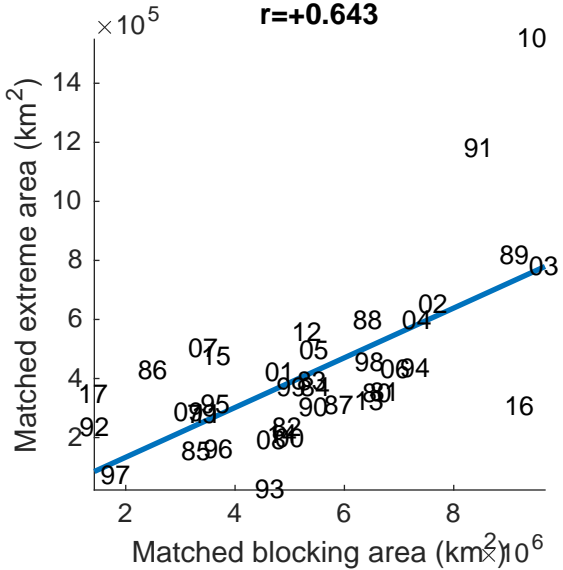
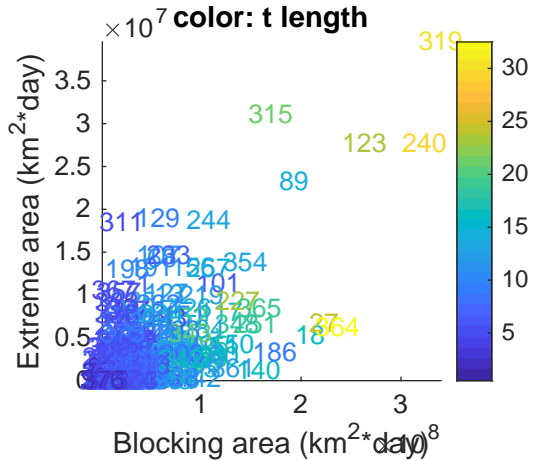
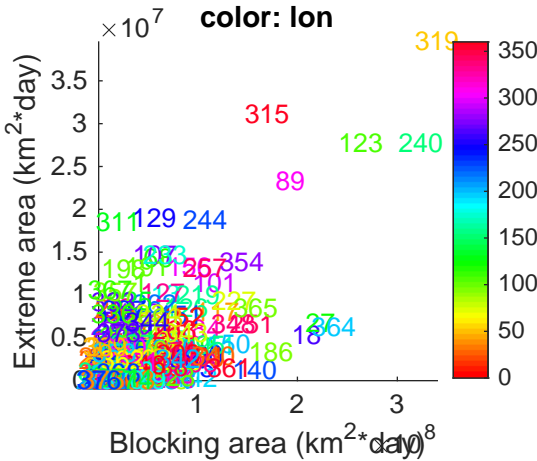
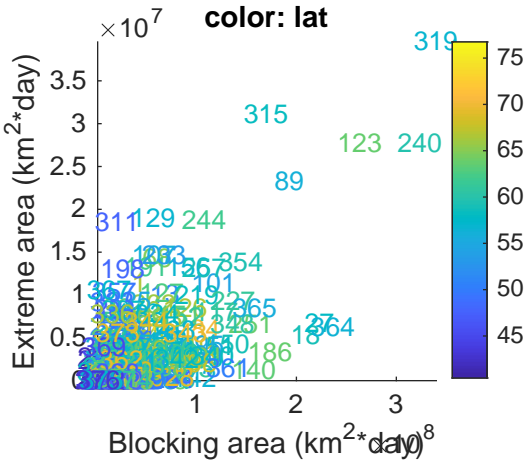
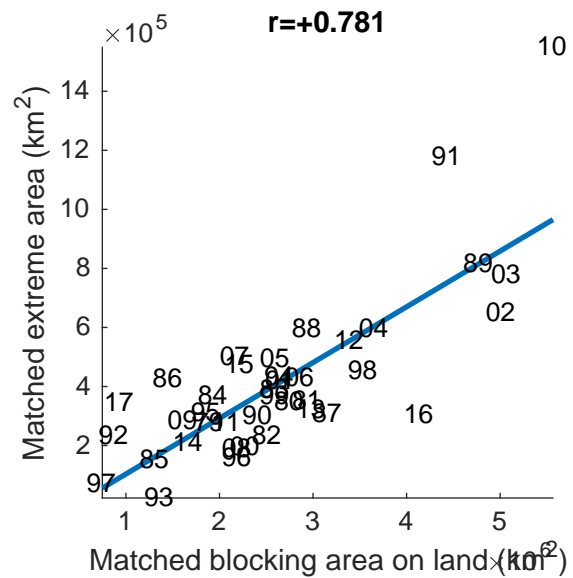
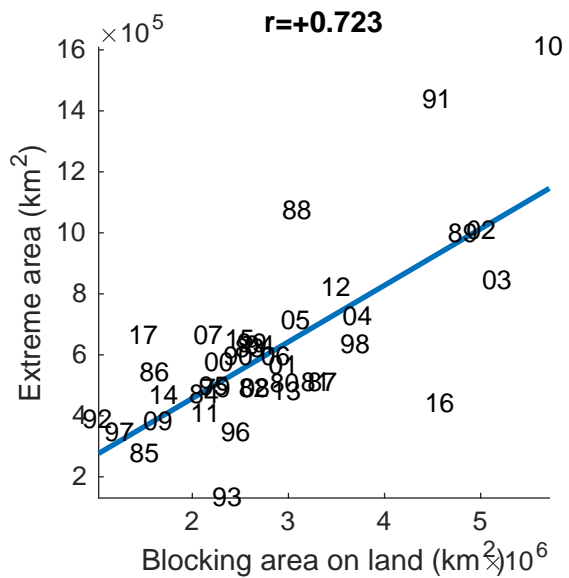
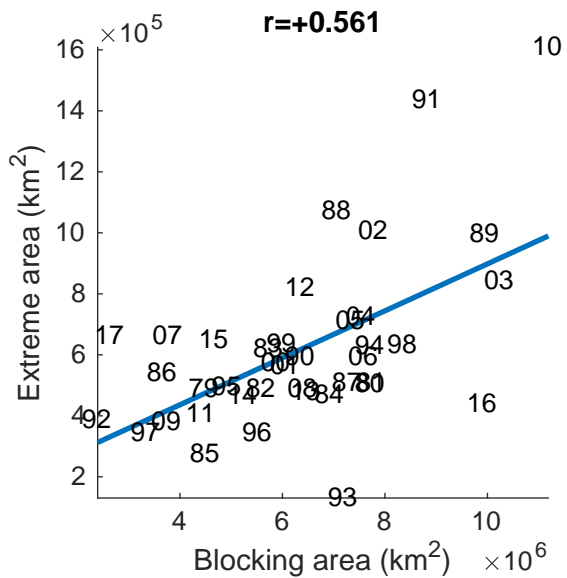
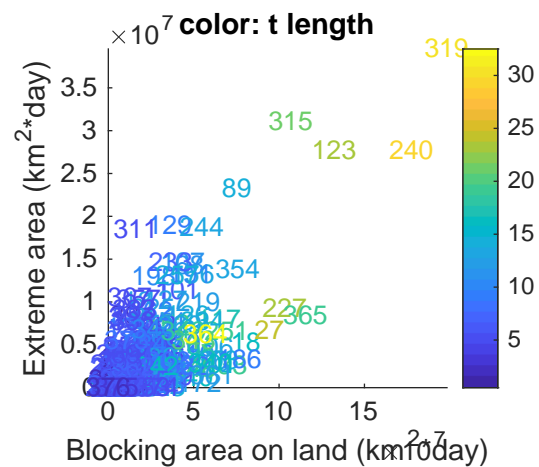
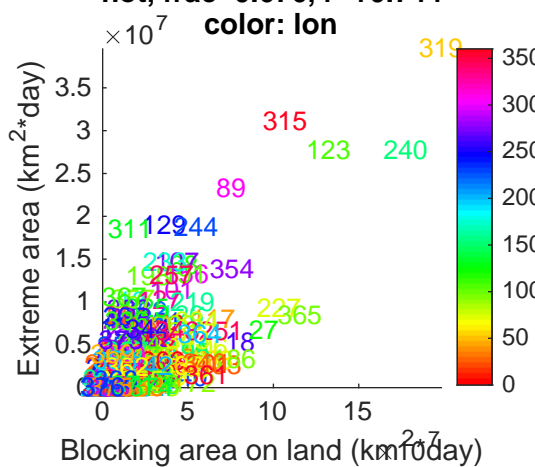
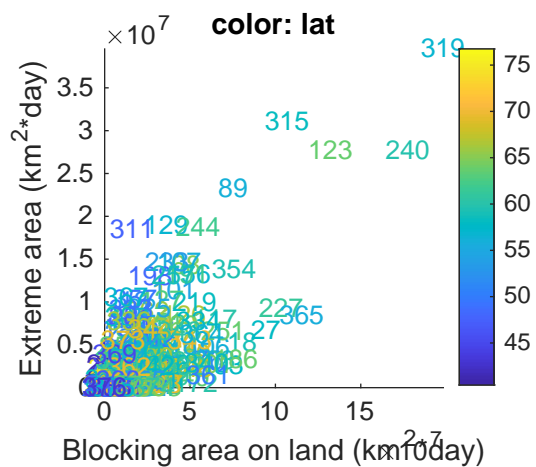


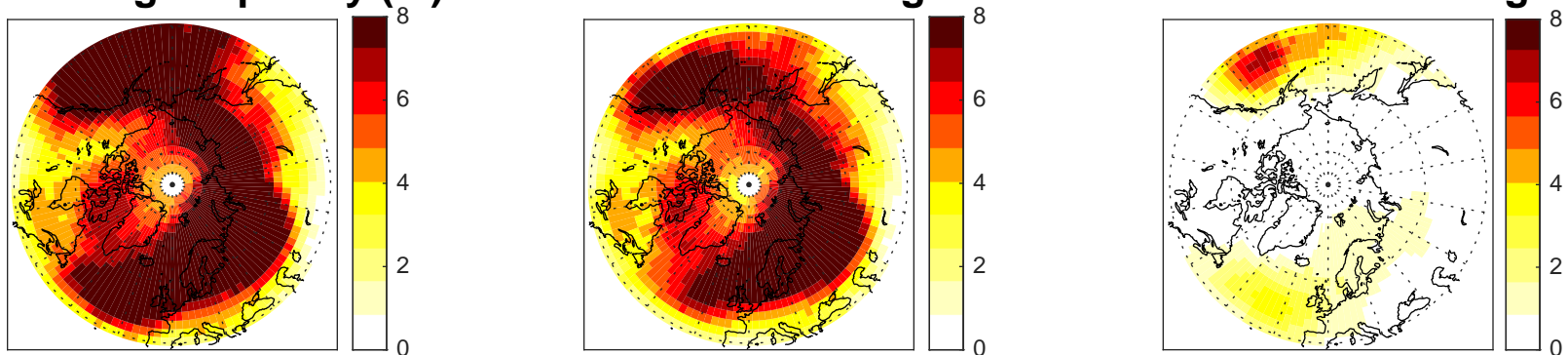
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day*11yr
hot, frac=0.676, r=+0.654**



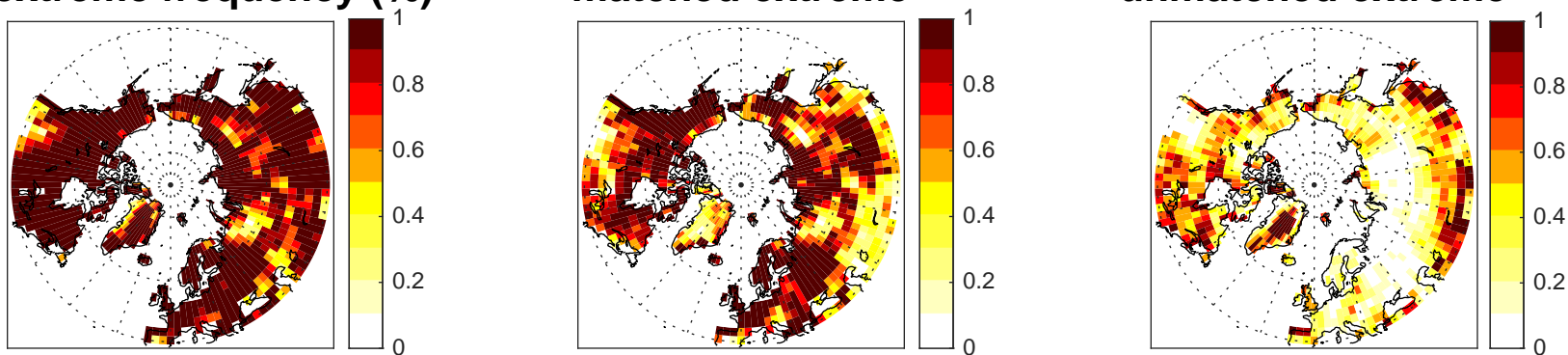
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day*11yr
hot, frac=0.676, r=+0.744**



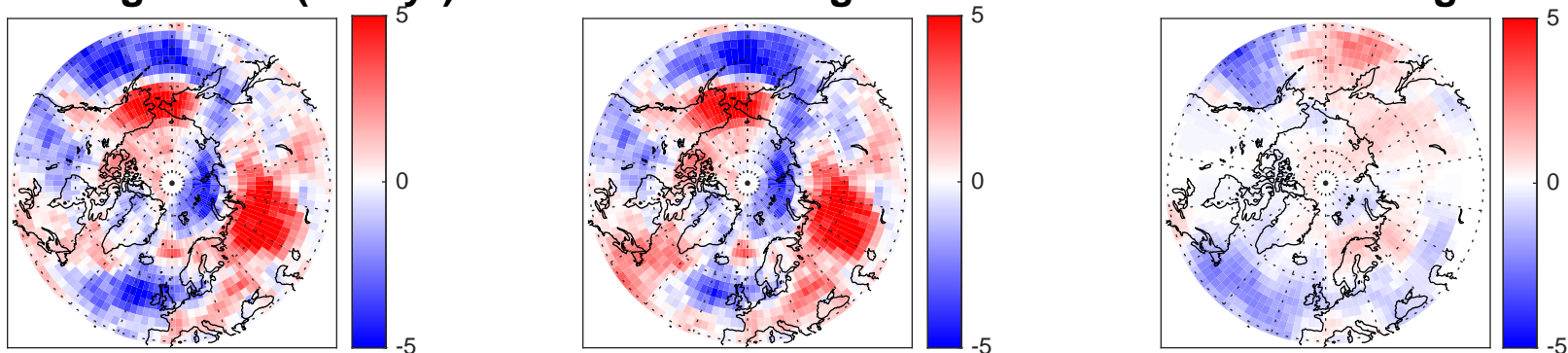
0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day*11yr
JJA blocking frequency (%) **matched blocking** **unmatched blocking**



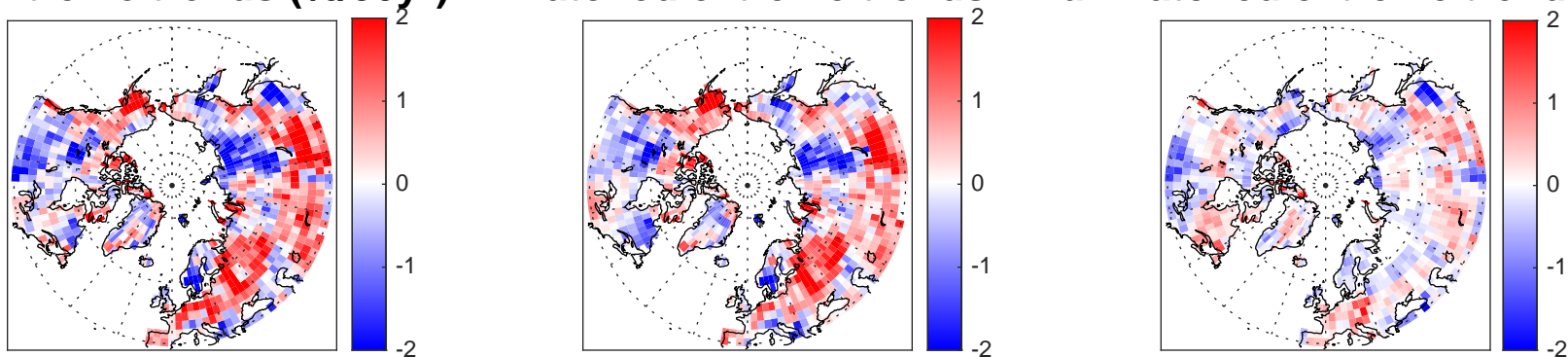
x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat
JJA extreme frequency (%) **matched extreme** **unmatched extreme**

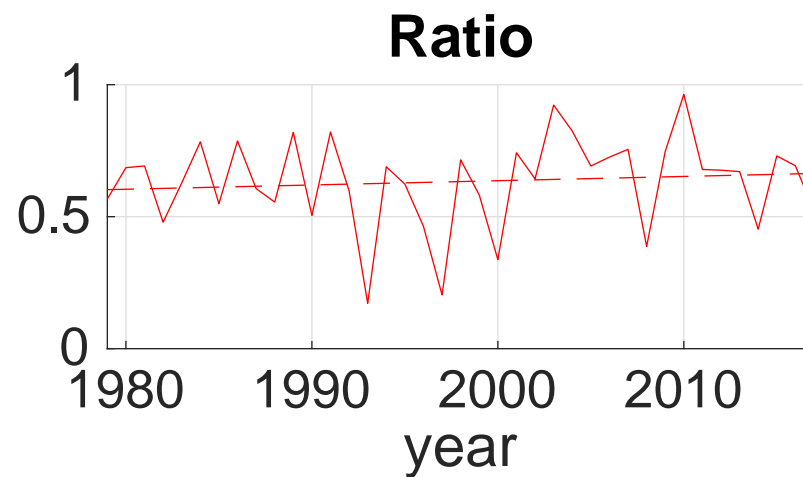
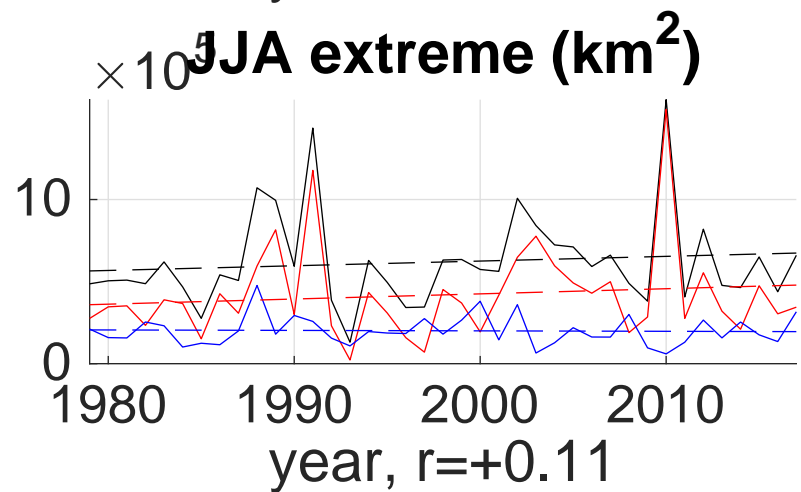
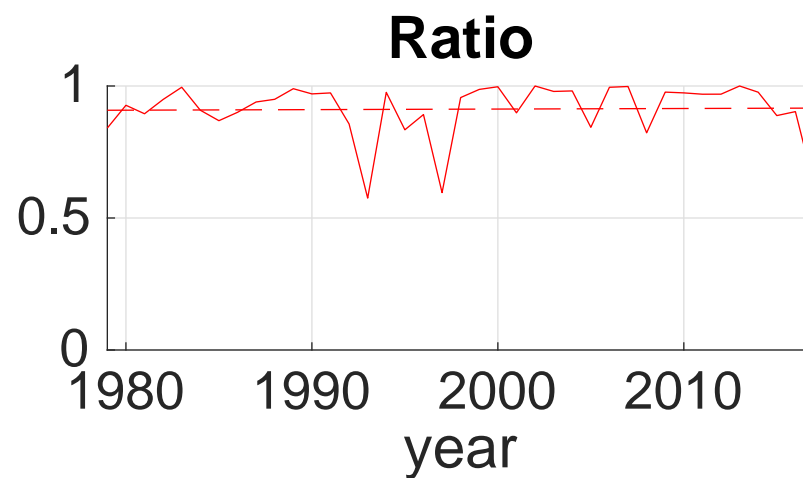
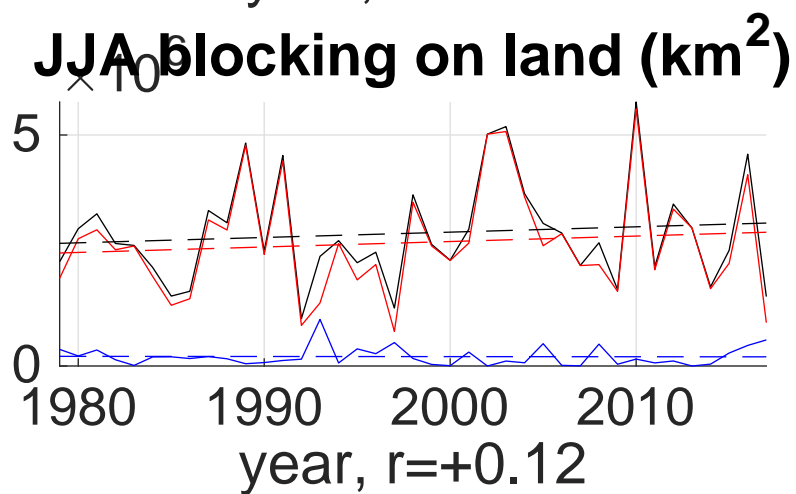
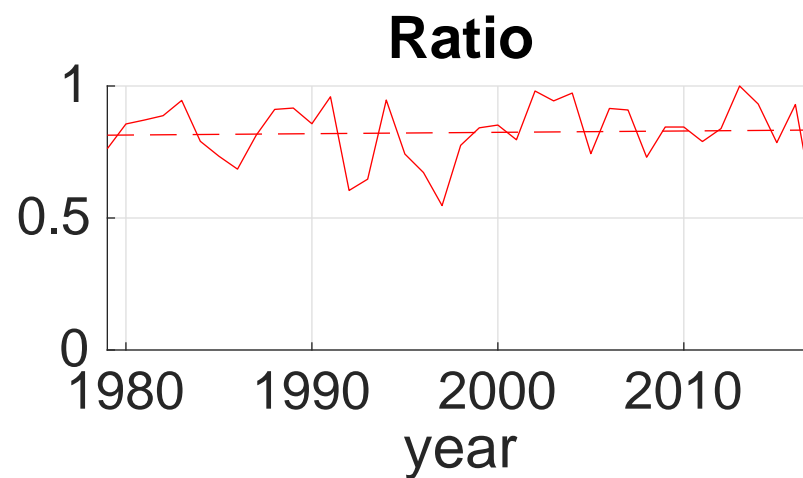
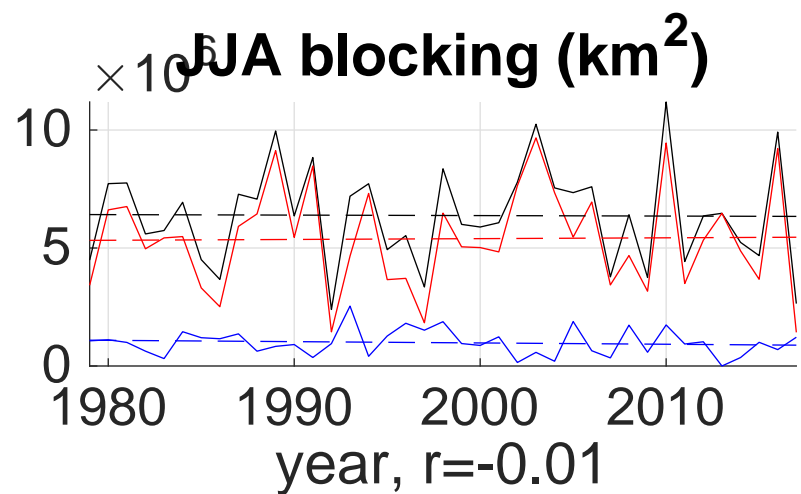


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day*11yr
 JJA blocking trends (%/30yr) matched blocking trends unmatched blocking trends

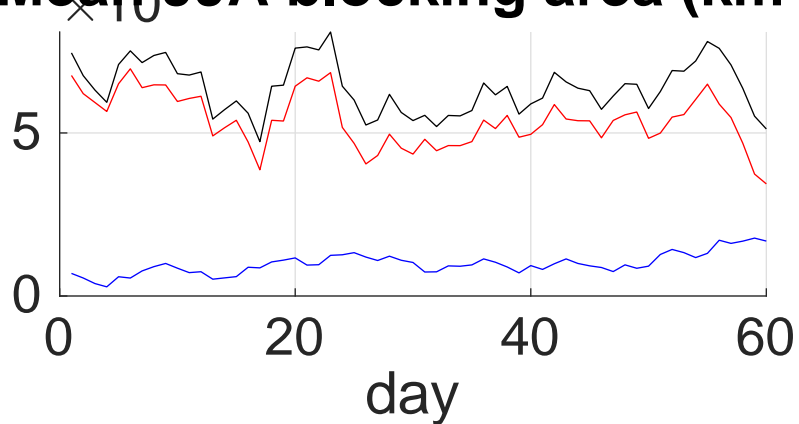


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day*11yr
 JJA extreme trends (%/30yr) matched extreme trends unmatched extreme trends

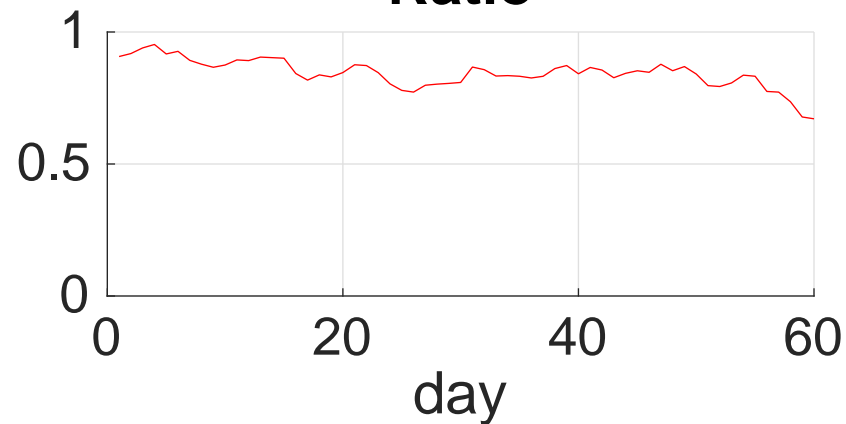




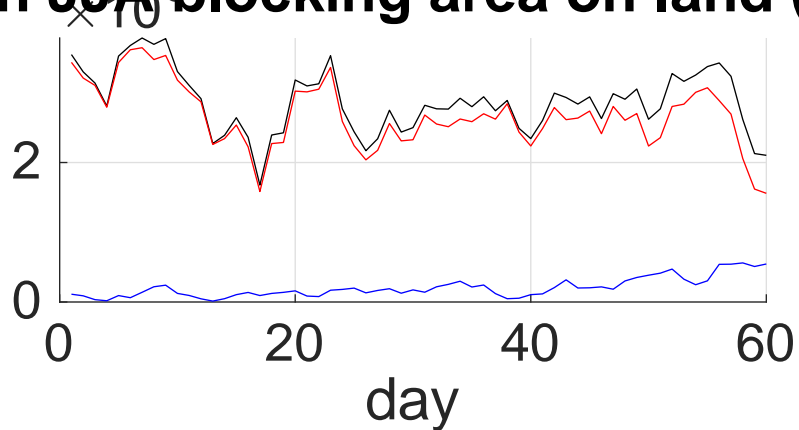
Mean JJA blocking area (km²)



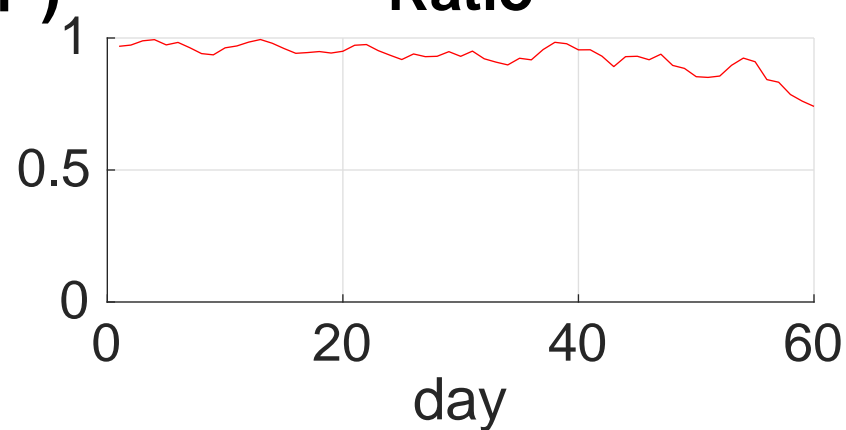
Ratio



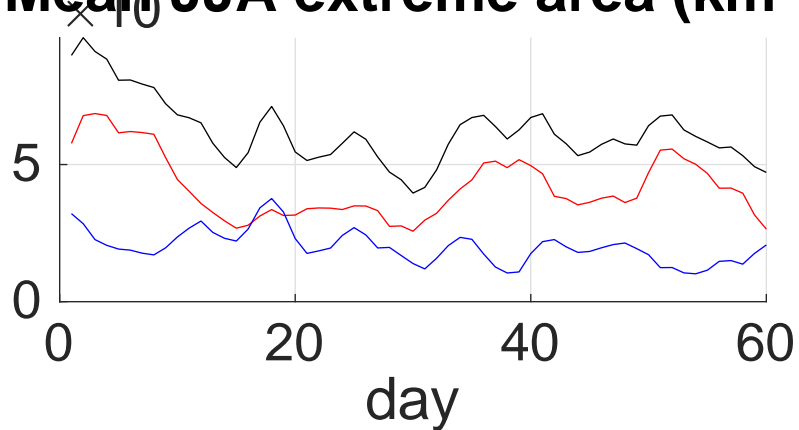
Mean JJA blocking area on land (km²)



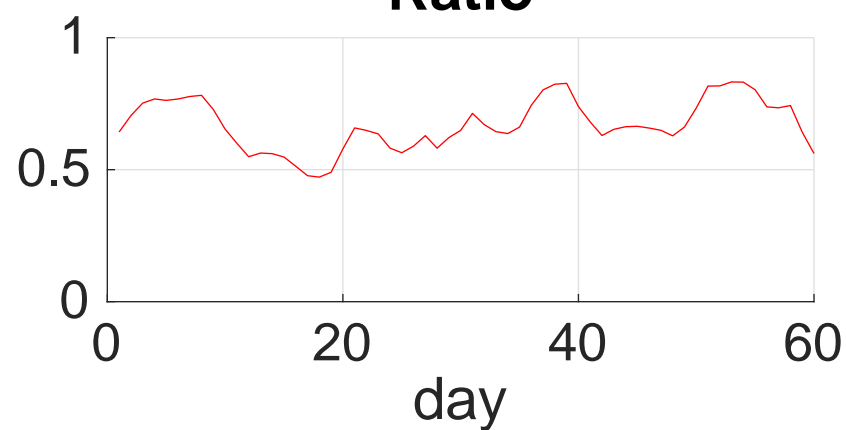
Ratio



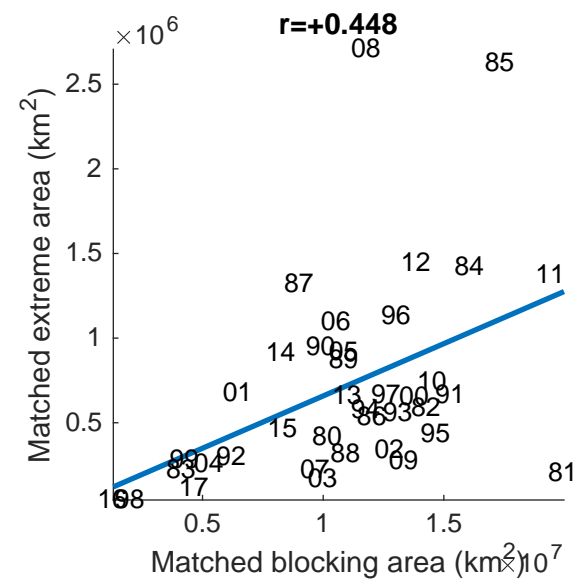
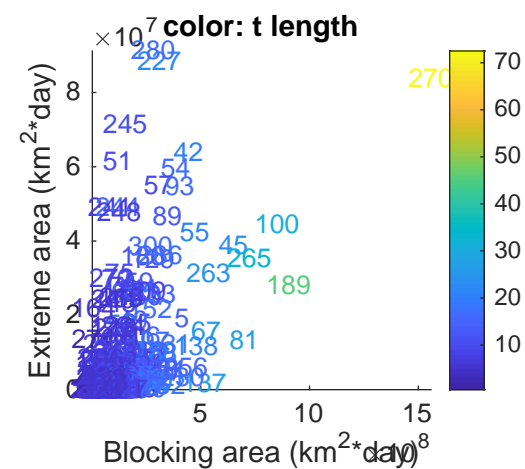
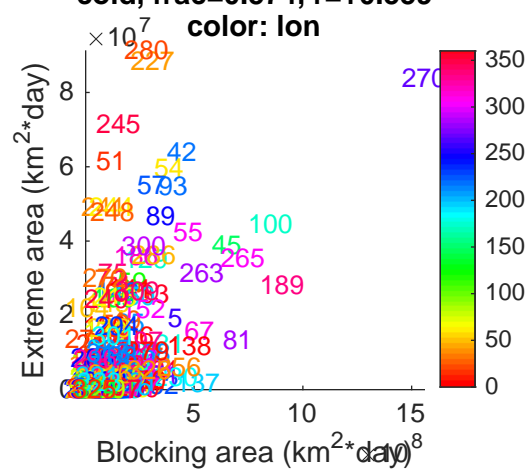
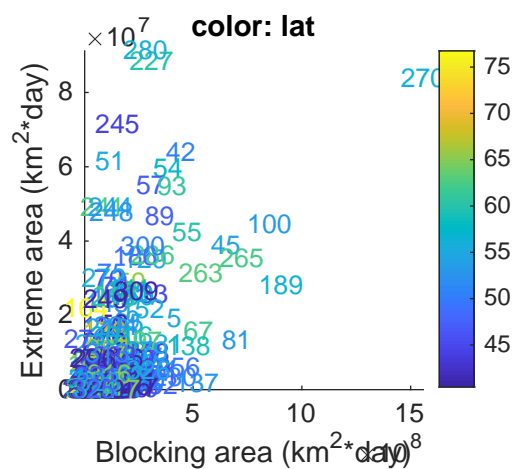
Mean JJA extreme area (km²)



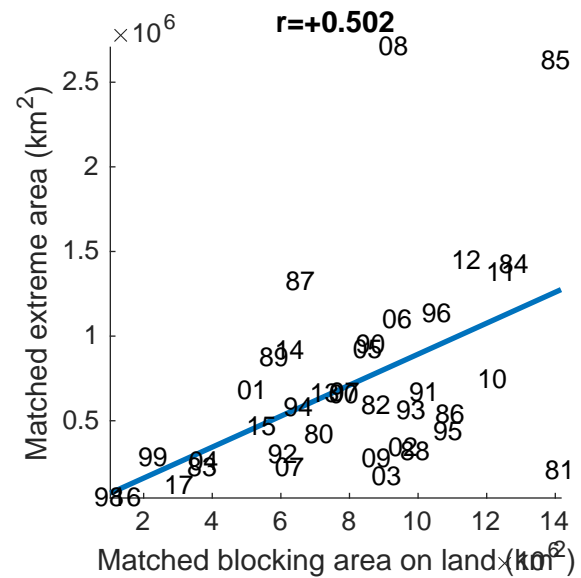
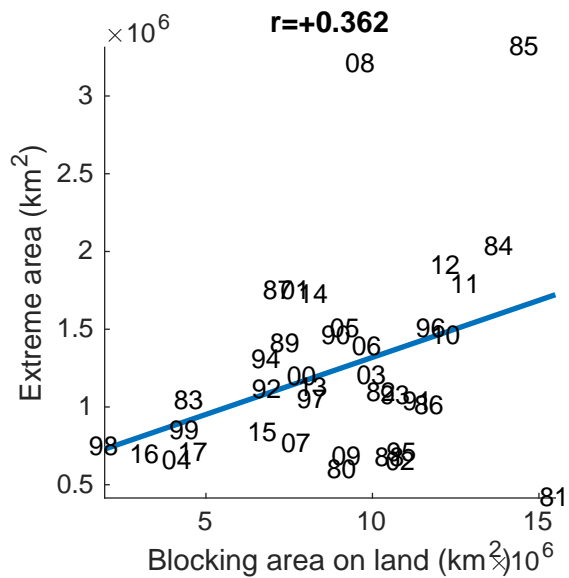
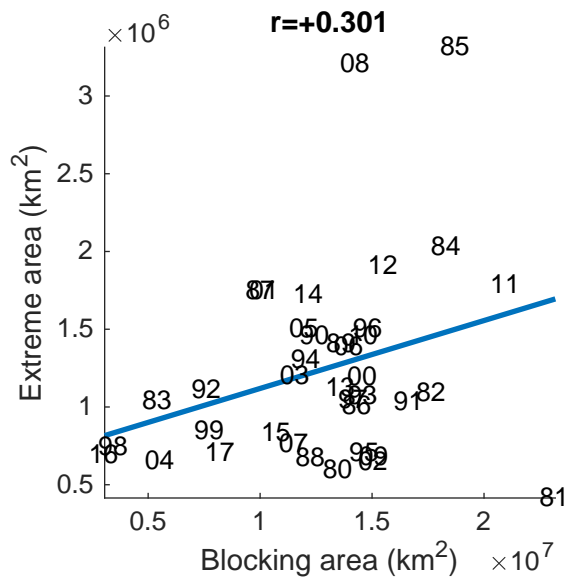
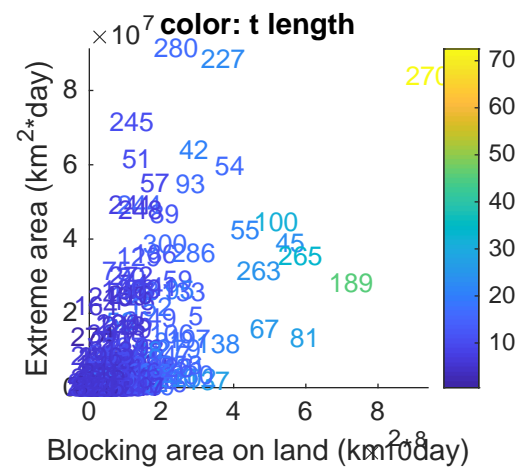
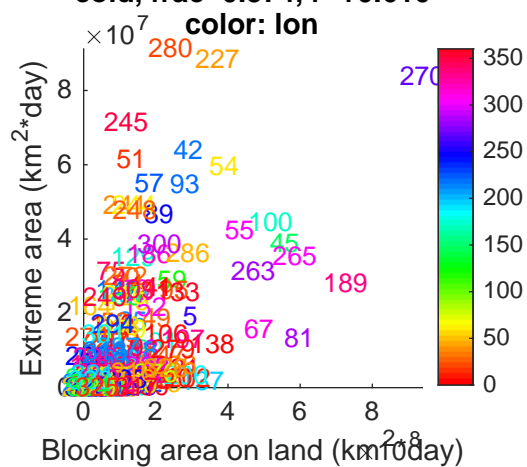
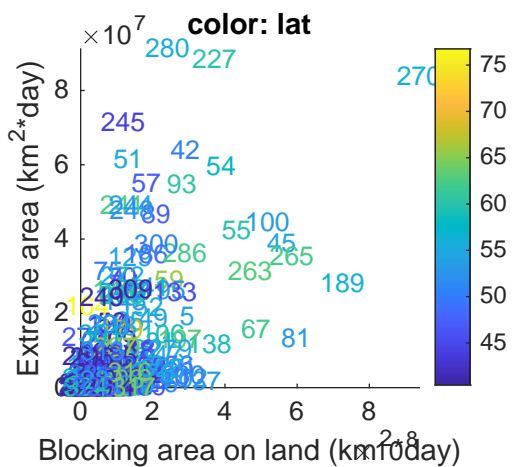
Ratio



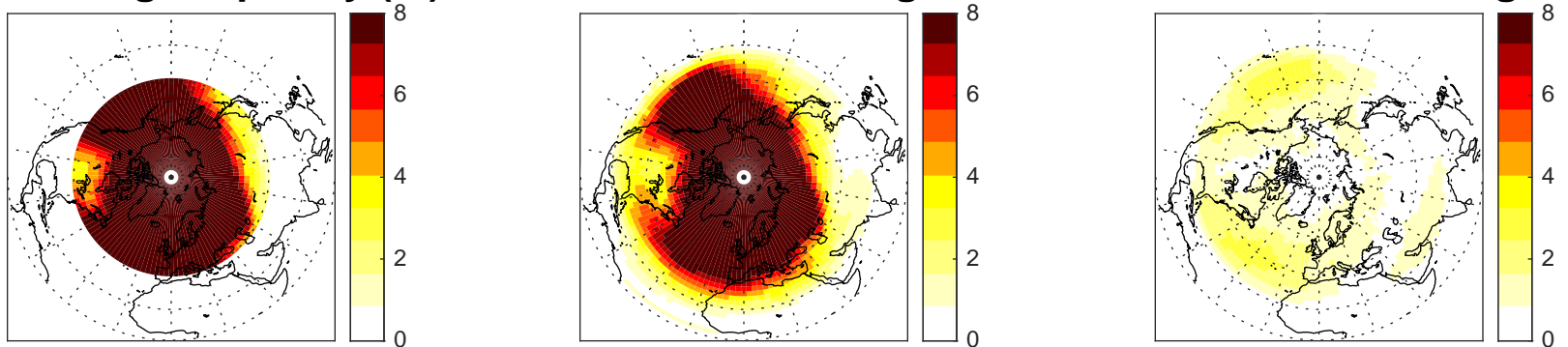
0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day*11yr
cold, frac=0.574, r=+0.559



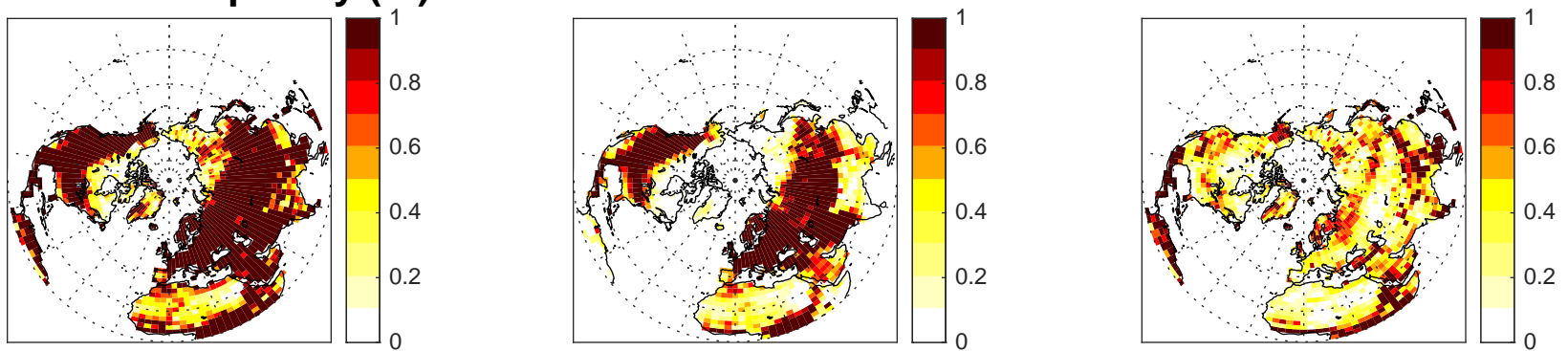
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day*11yr
cold, frac=0.574, r=+0.610**



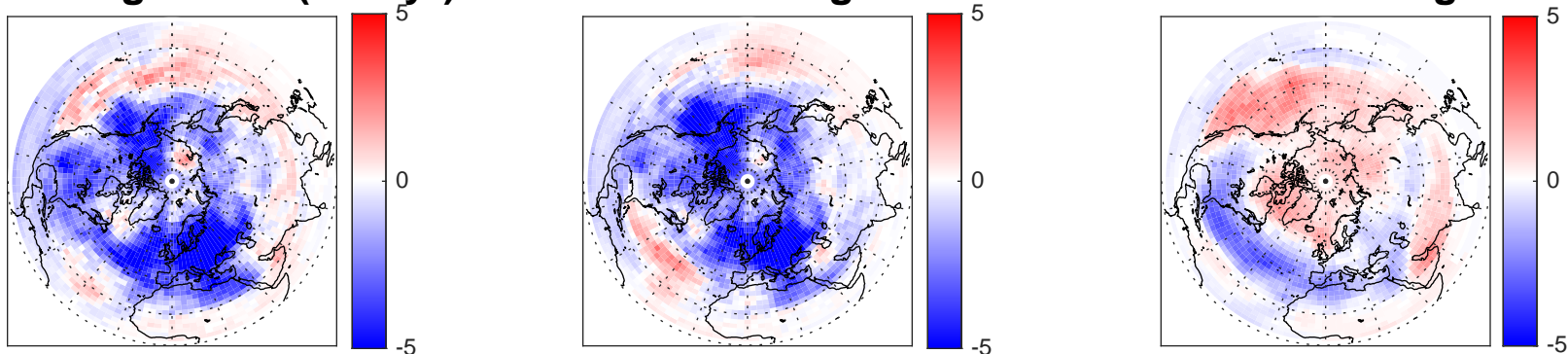
0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day*11yr
DJF blocking frequency (%) **matched blocking** **unmatched blocking**



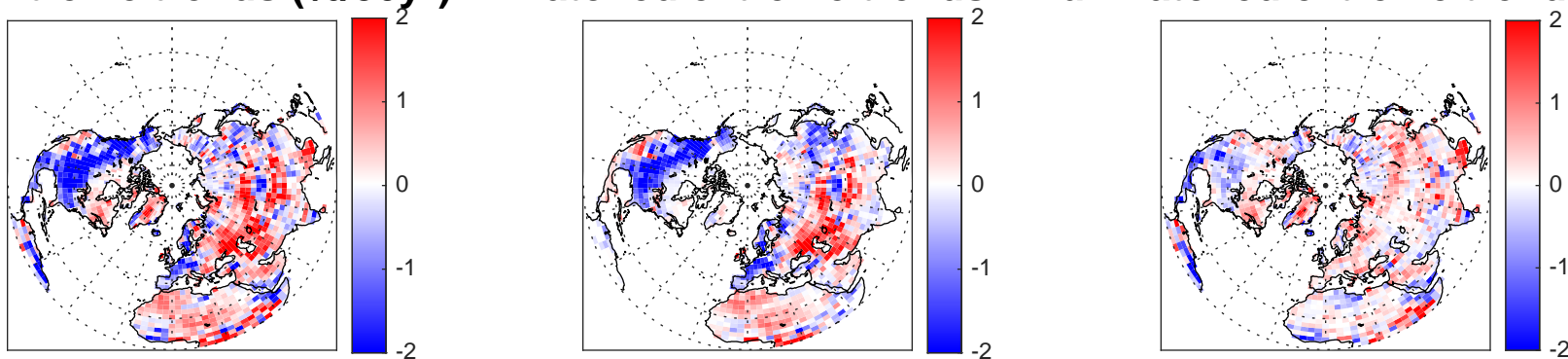
x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat
DJF extreme frequency (%) **matched extreme** **unmatched extreme**

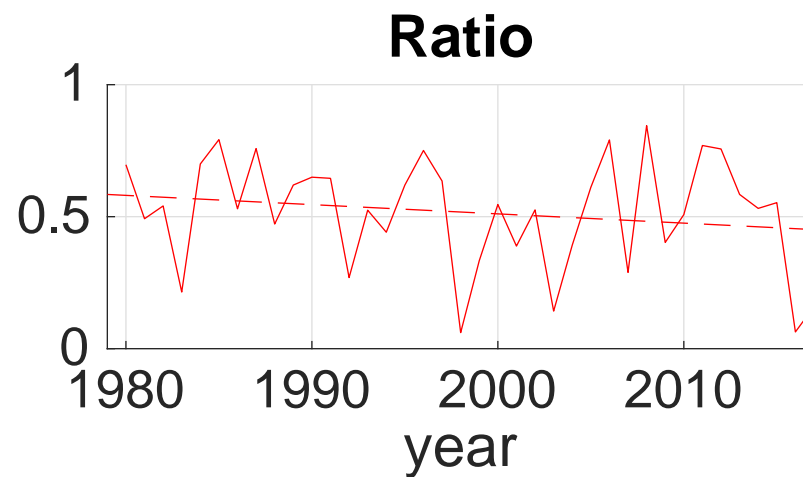
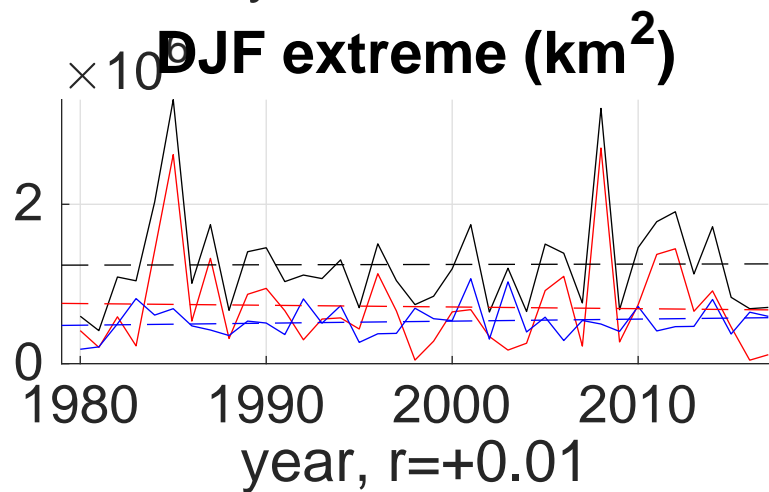
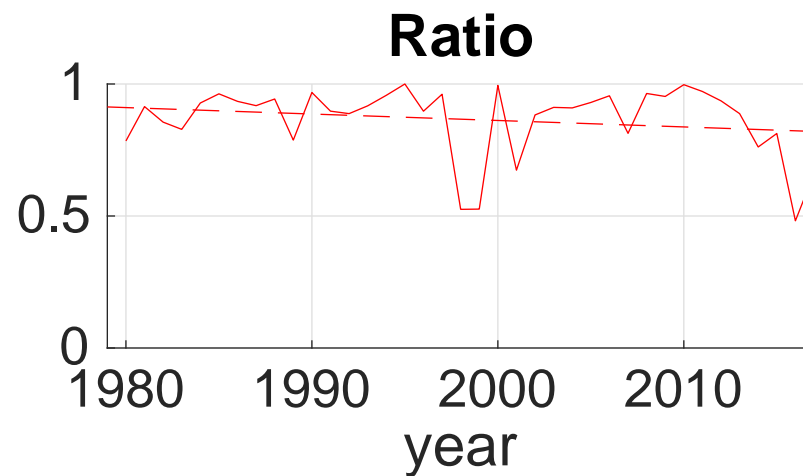
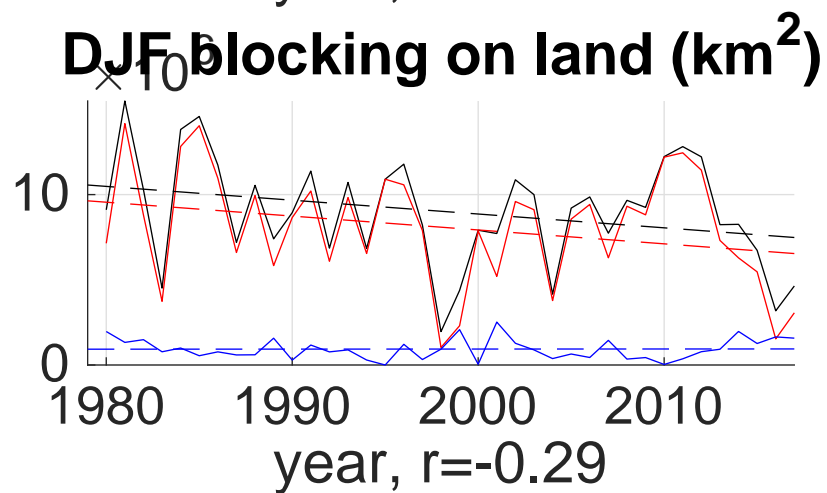
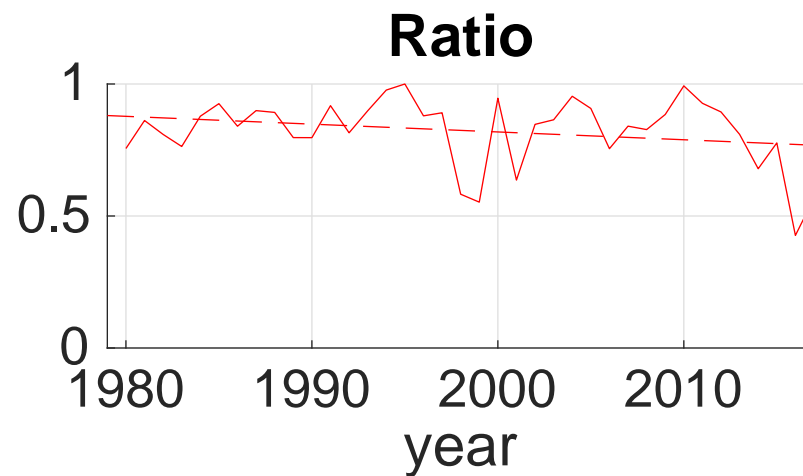
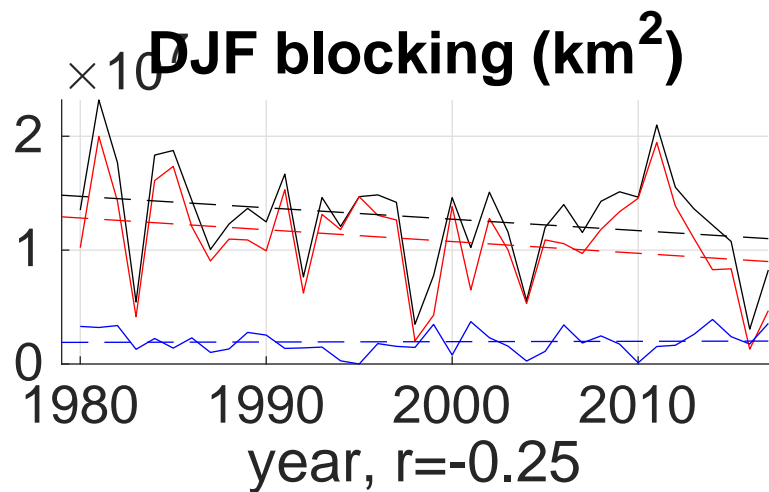


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day*11yr
 DJF blocking trends (%/30yr) matched blocking trends unmatched blocking trends

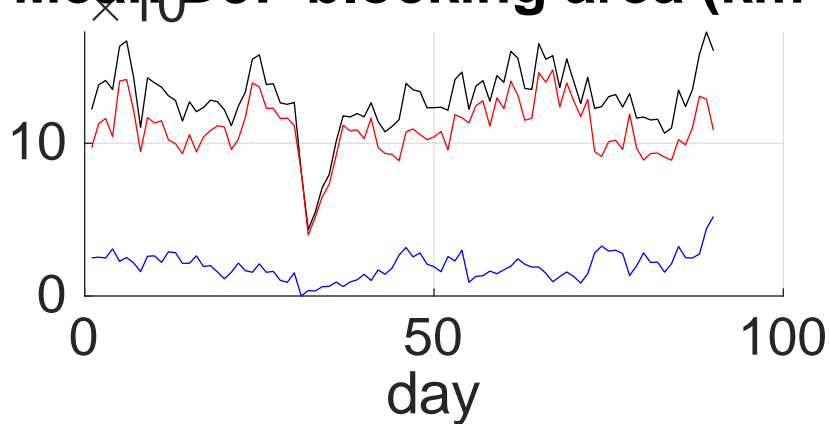


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day*11yr
 DJF extreme trends (%/30yr) matched extreme trends unmatched extreme trends

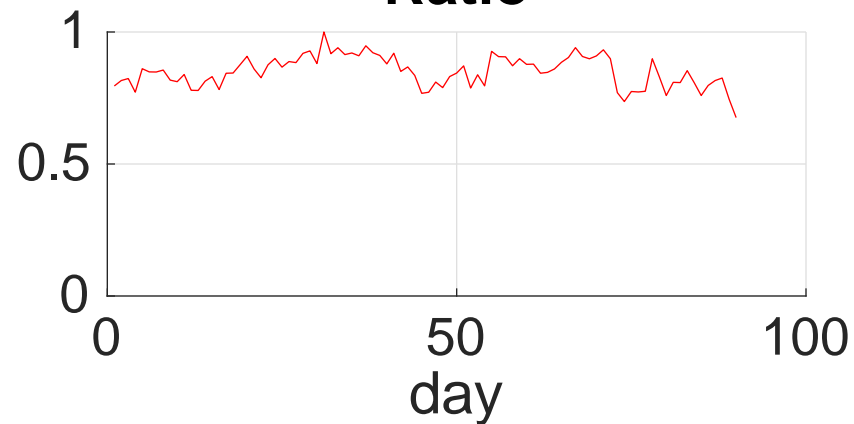




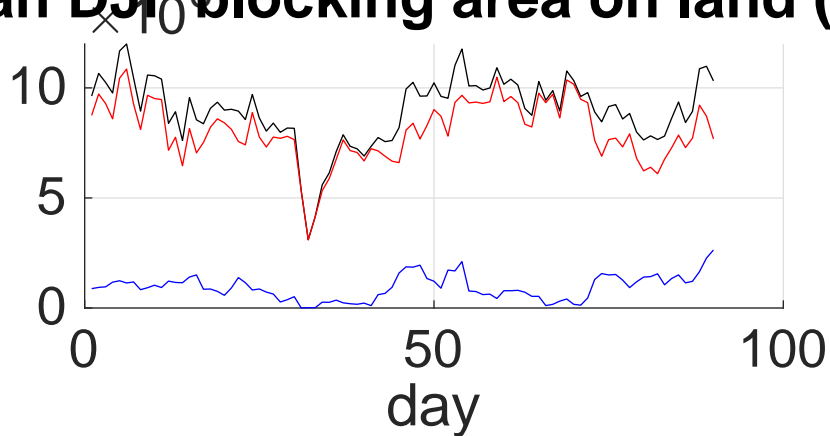
Mean DJF blocking area (km²)



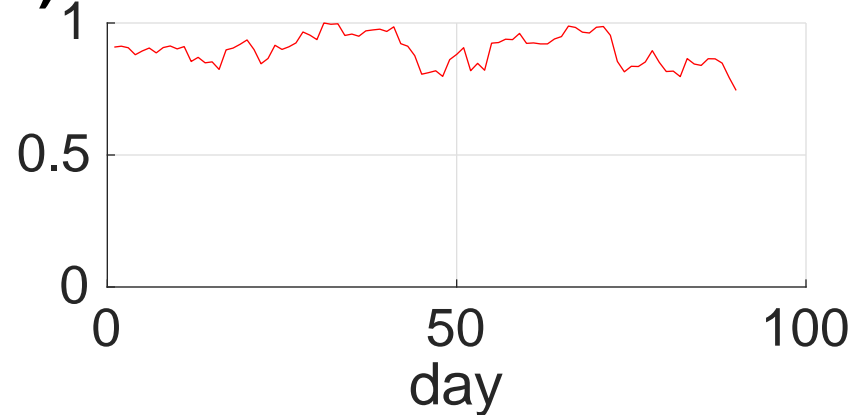
Ratio



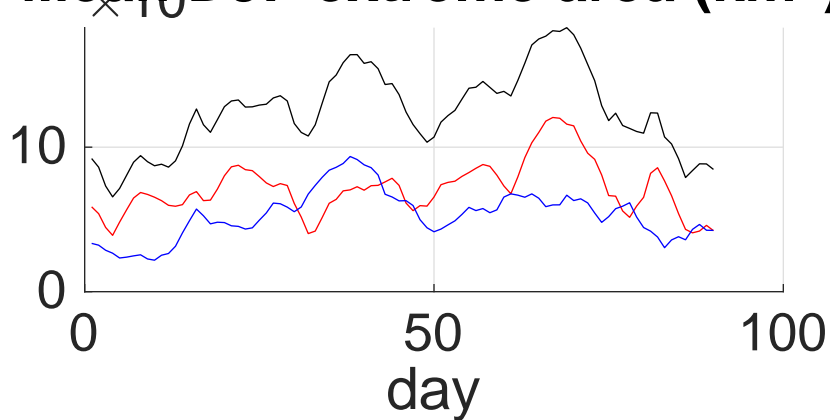
Mean DJF blocking area on land (km²)



Ratio



Mean DJF extreme area (km²)



Ratio

