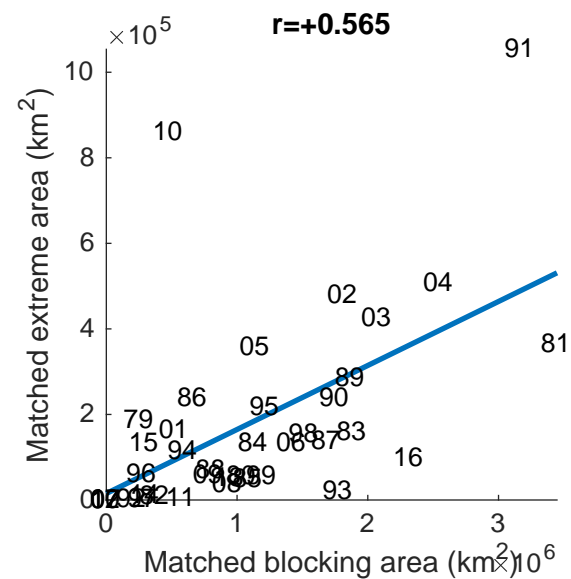
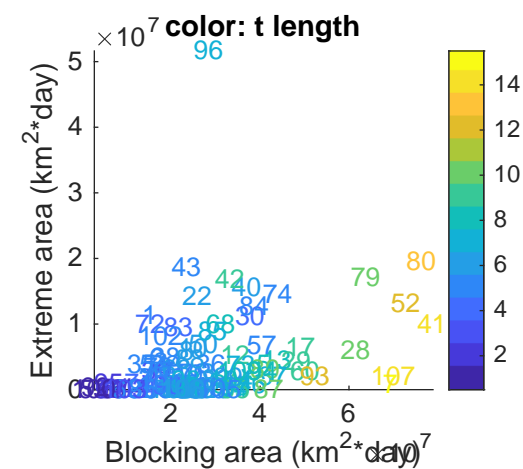
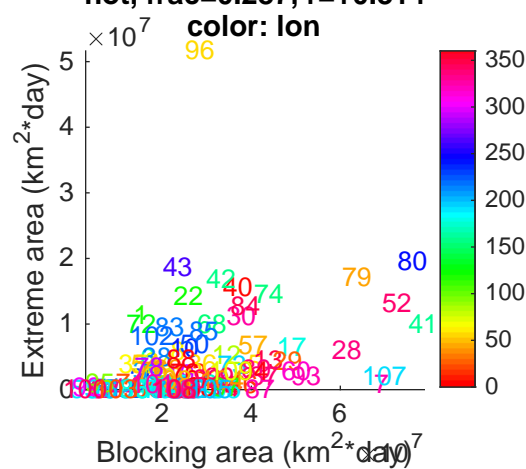
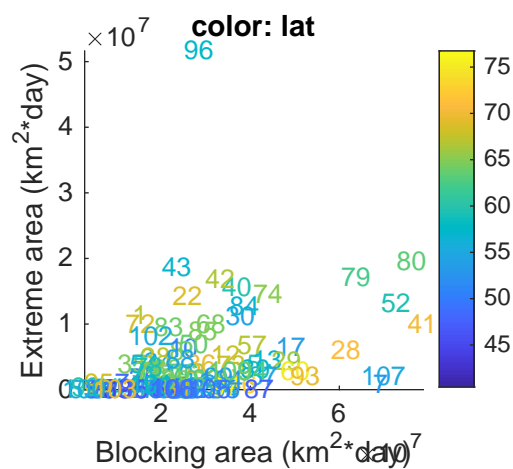
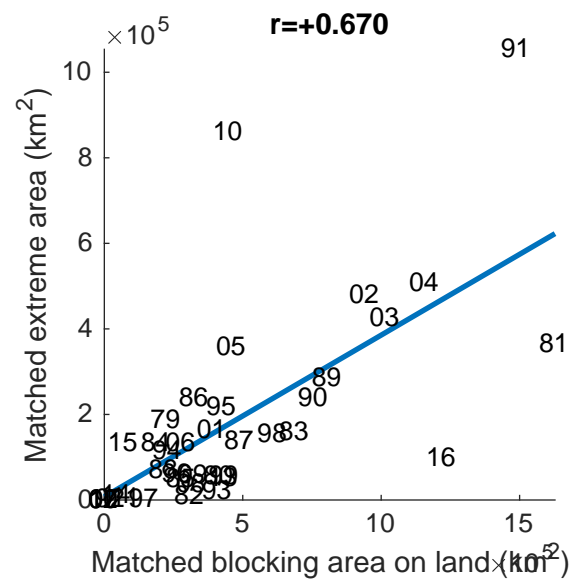
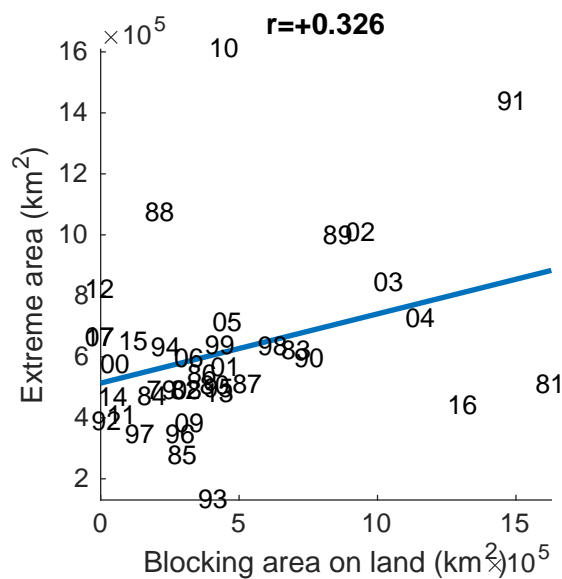
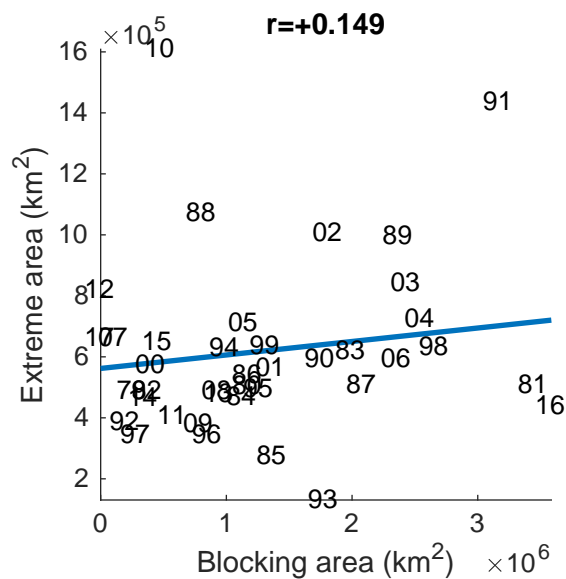
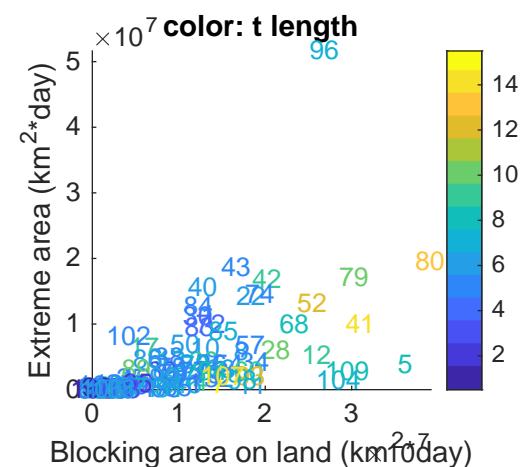
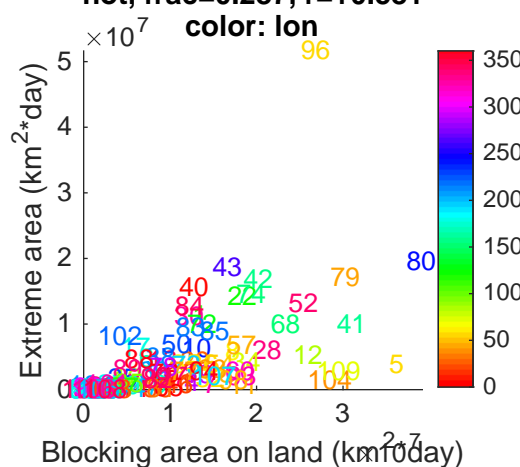
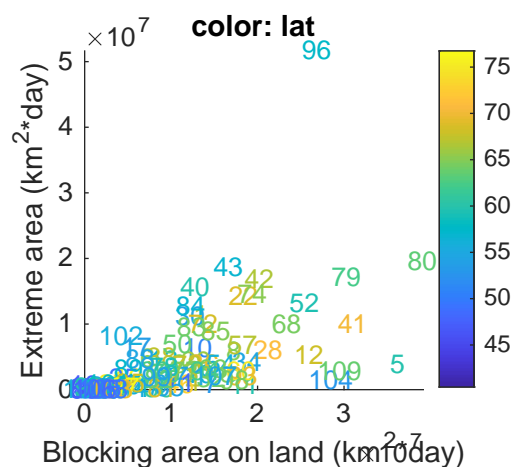


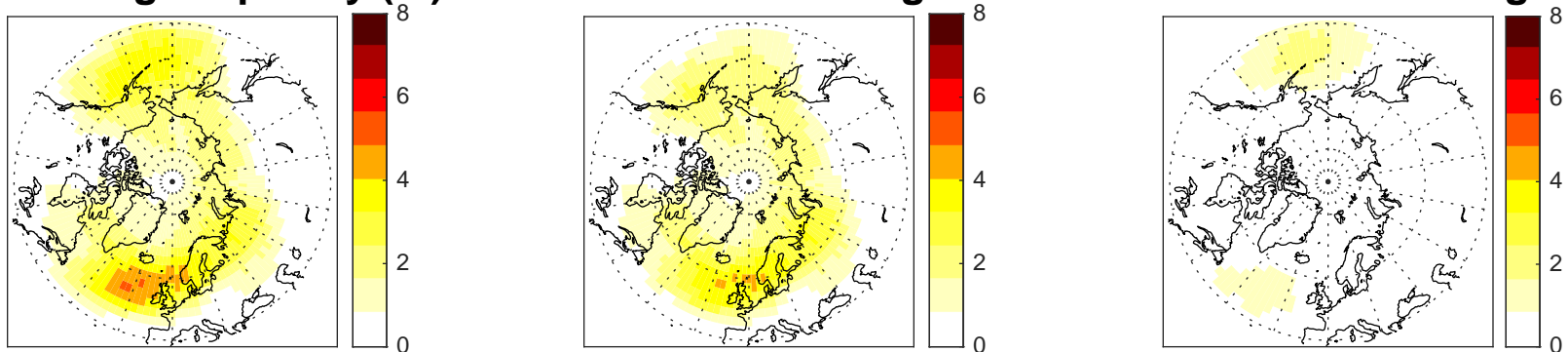
0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day*11yr
hot, frac=0.287, r=+0.314



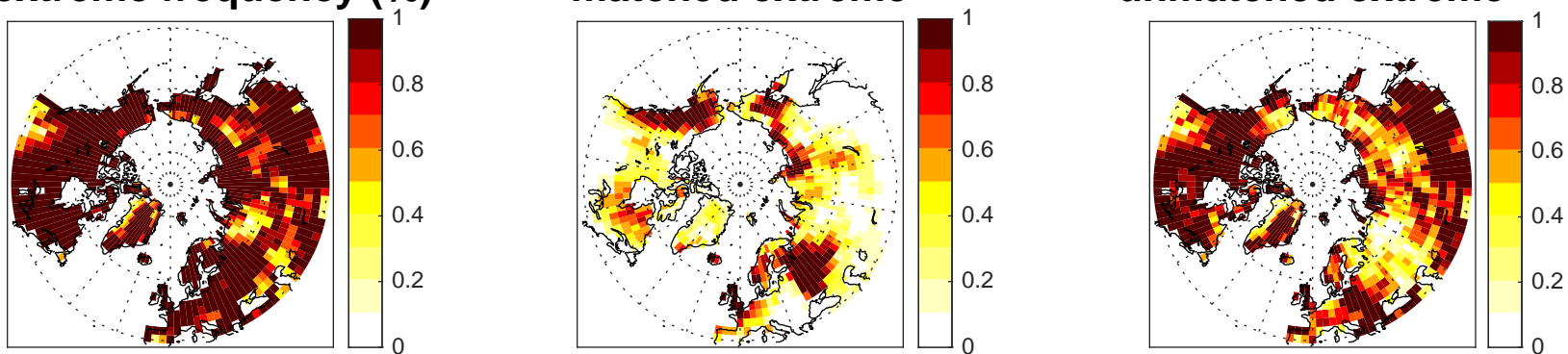
0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day*11yr
hot, frac=0.287, r=+0.581



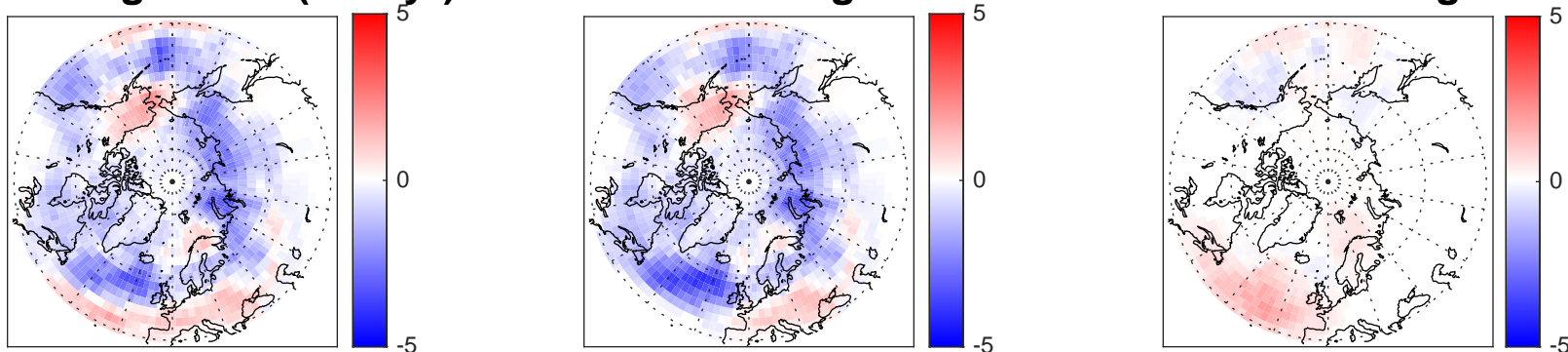
0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
JJA blocking frequency (%) **matched blocking** **unmatched blocking**



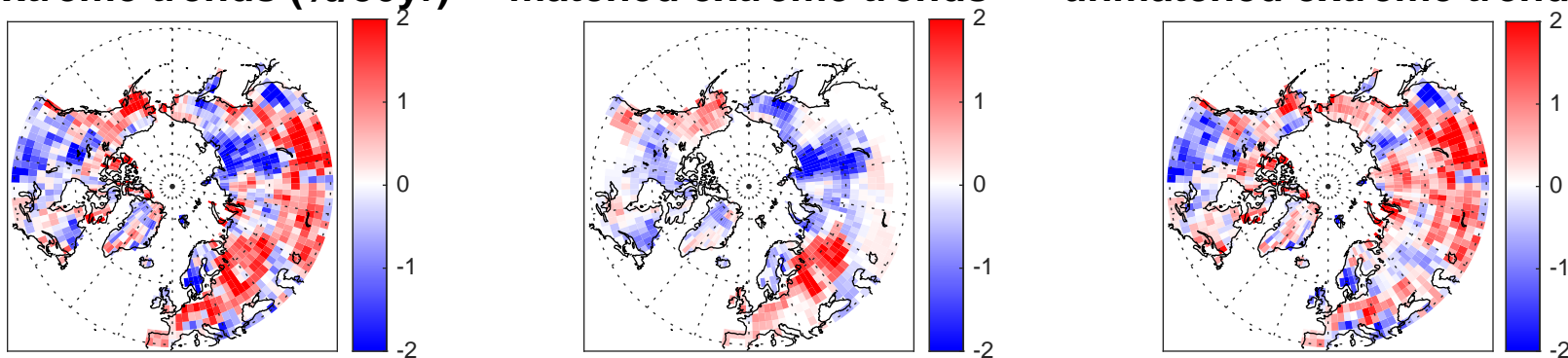
x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat
JJA extreme frequency (%) **matched extreme** **unmatched extreme**

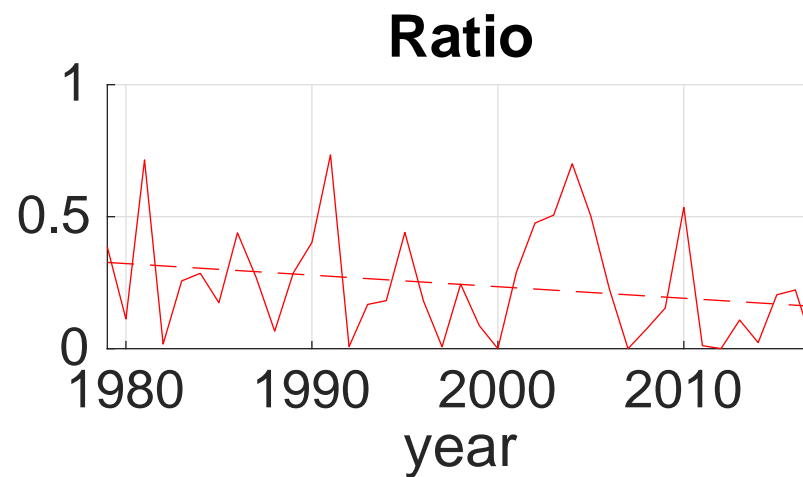
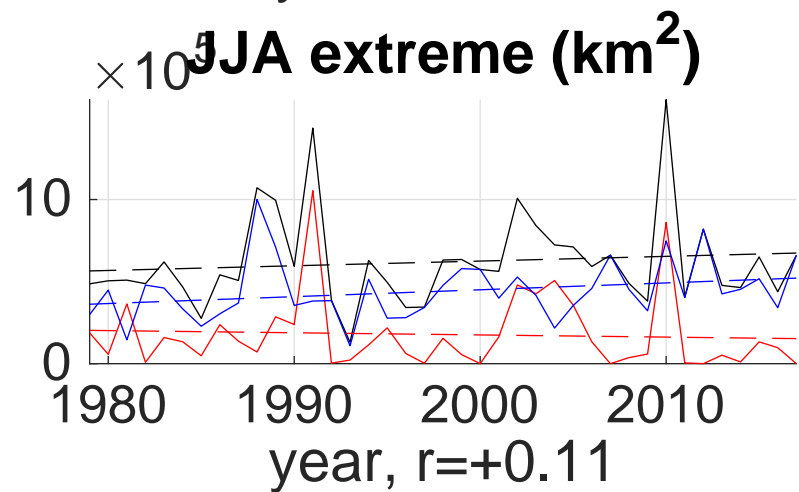
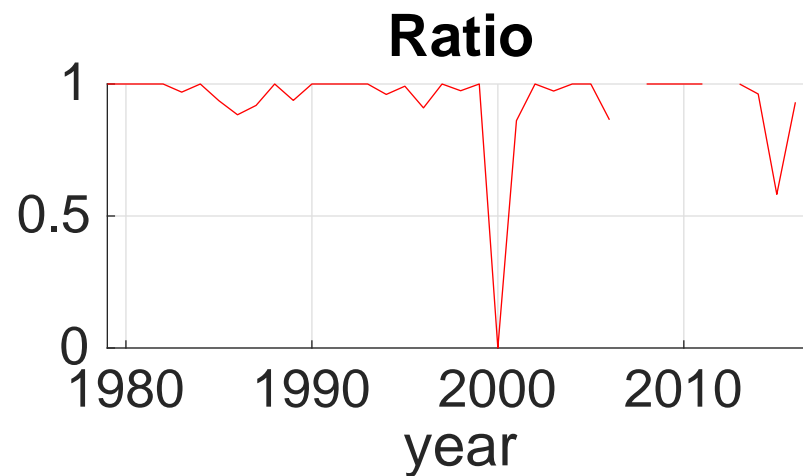
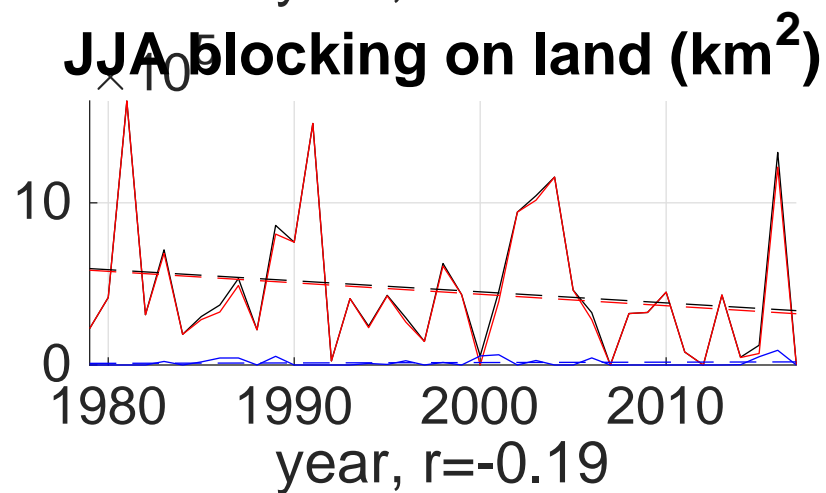
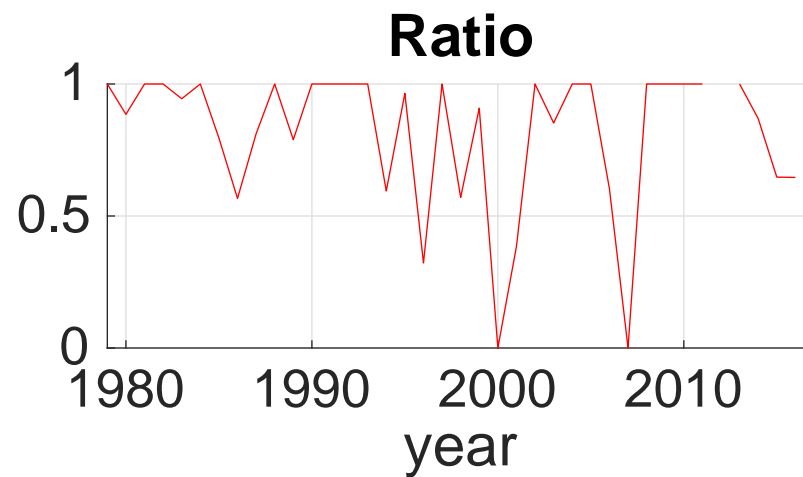
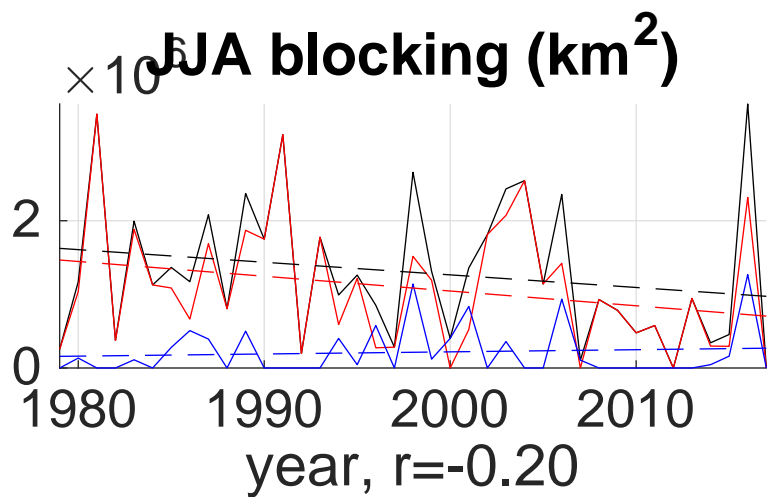


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
 JJA blocking trends (%/30yr) matched blocking trends unmatched blocking trends

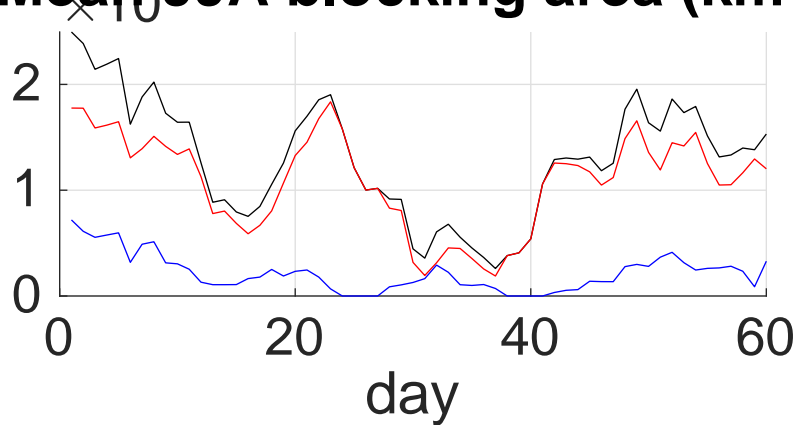


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
 JJA extreme trends (%/30yr) matched extreme trends unmatched extreme trends

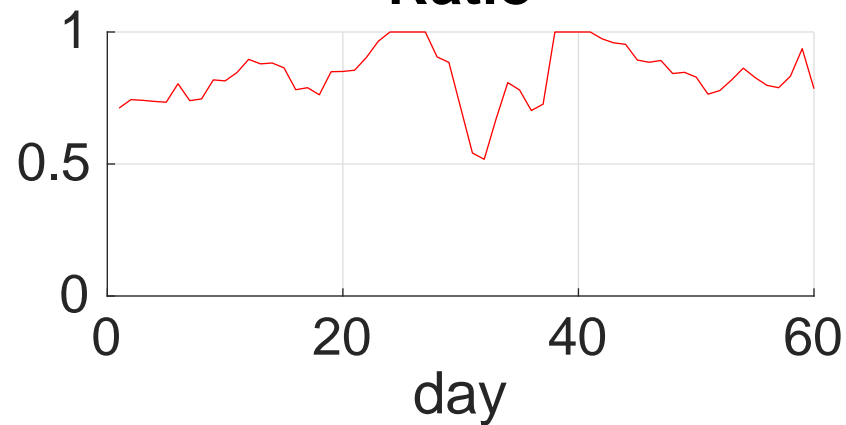




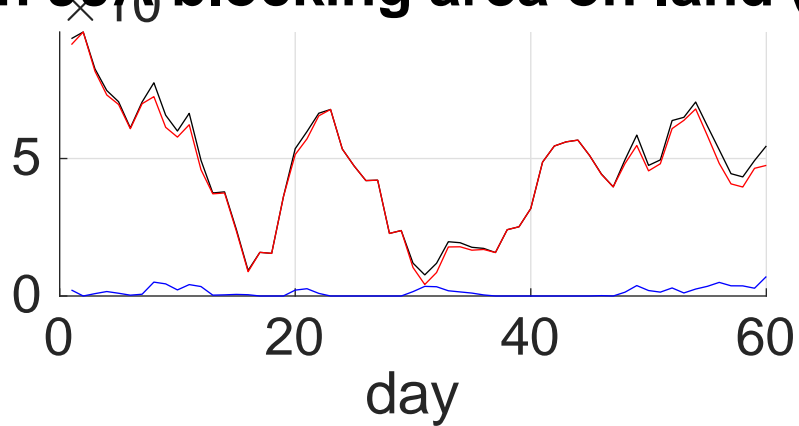
Mean JJA blocking area (km²)



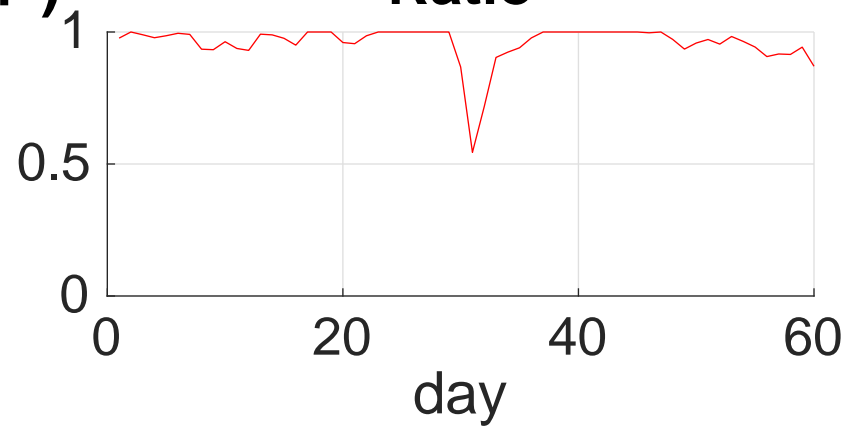
Ratio



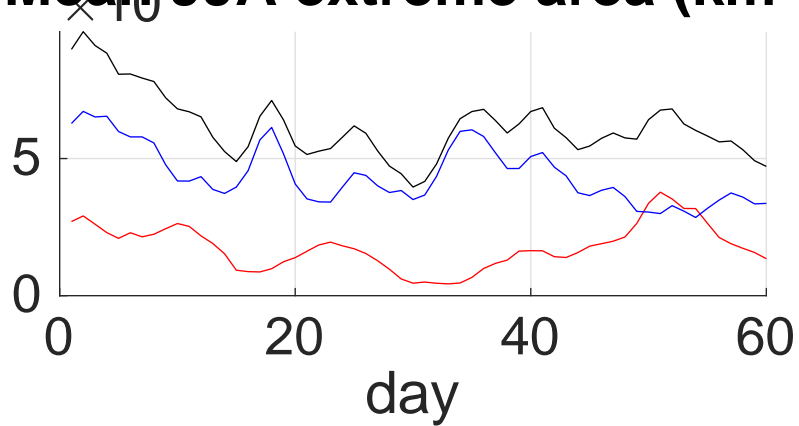
Mean JJA blocking area on land (km²)



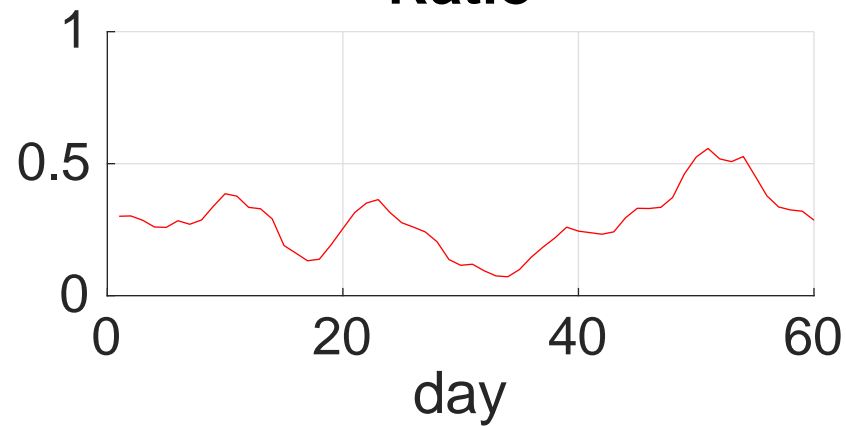
Ratio



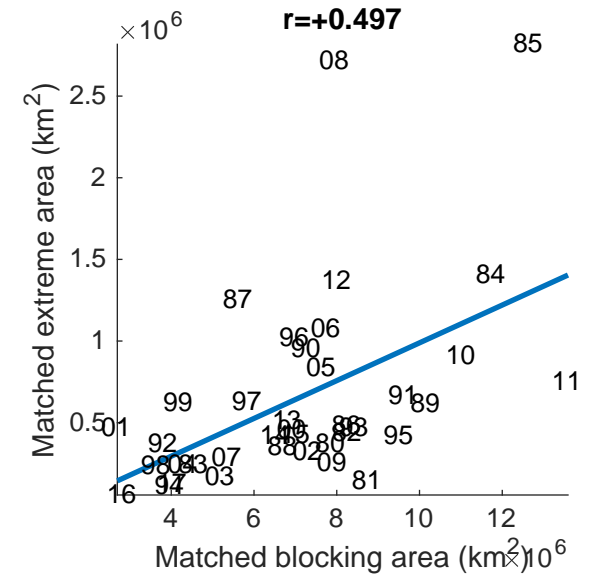
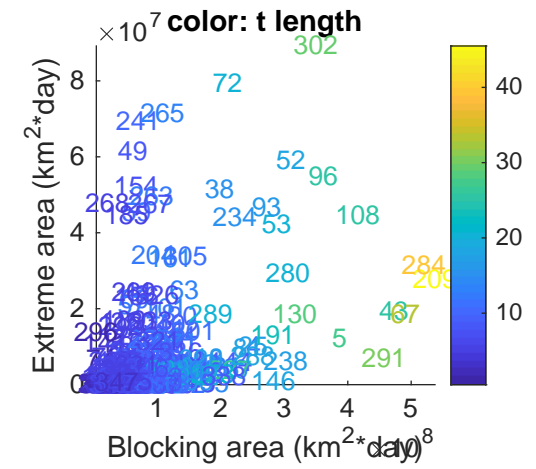
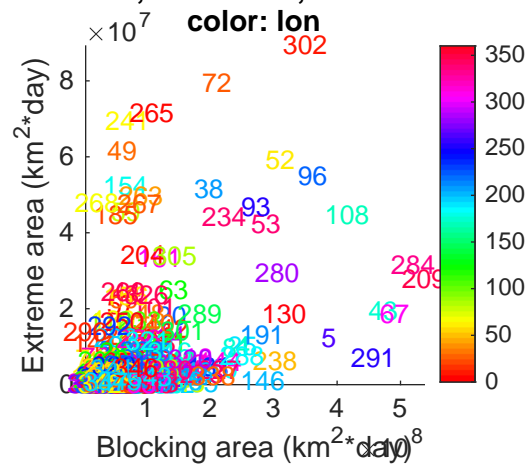
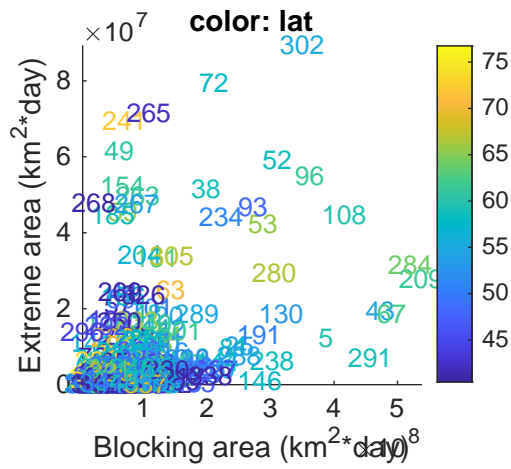
Mean JJA extreme area (km²)



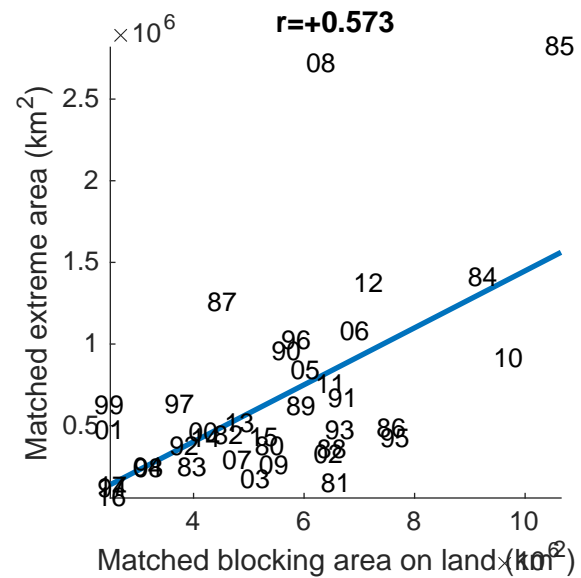
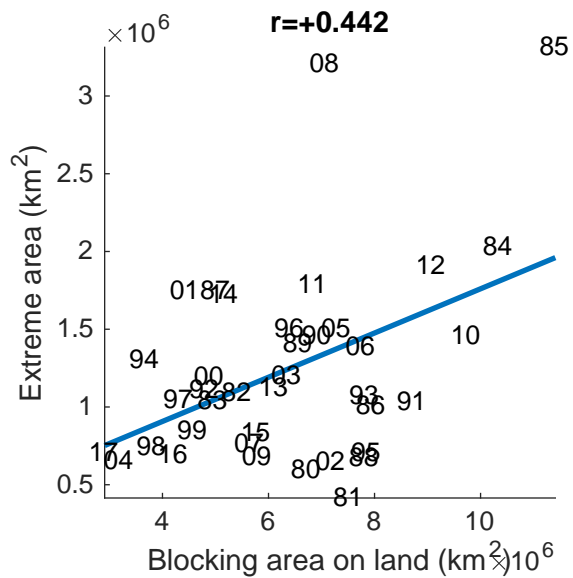
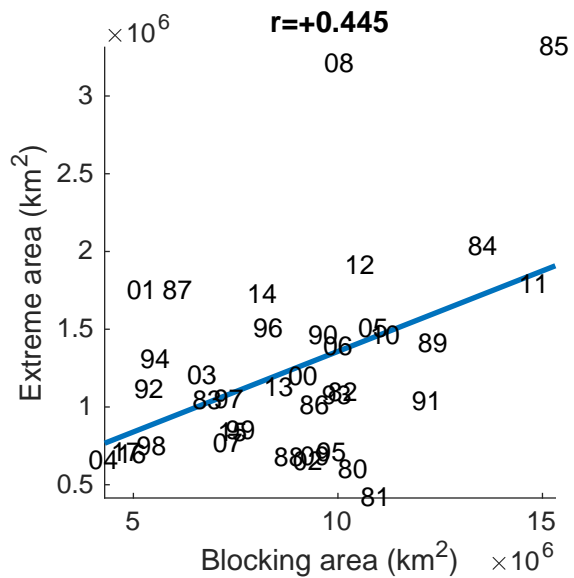
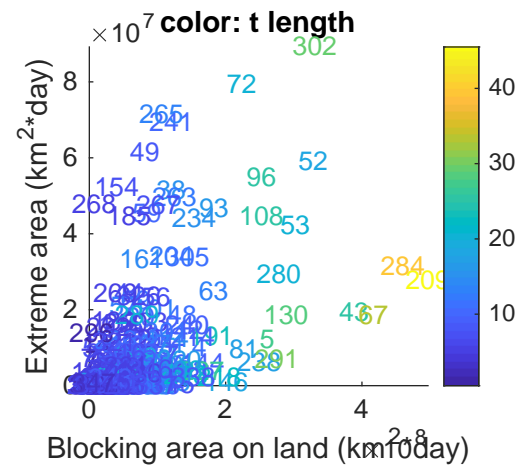
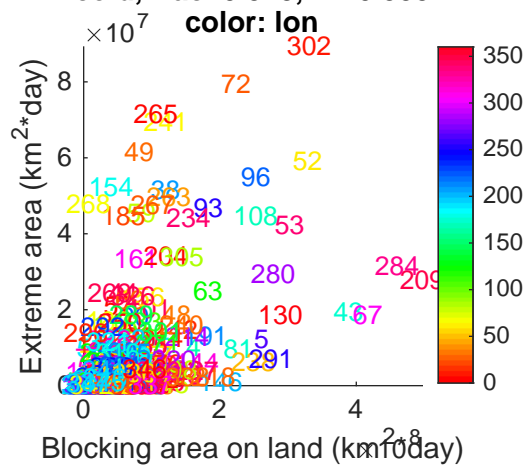
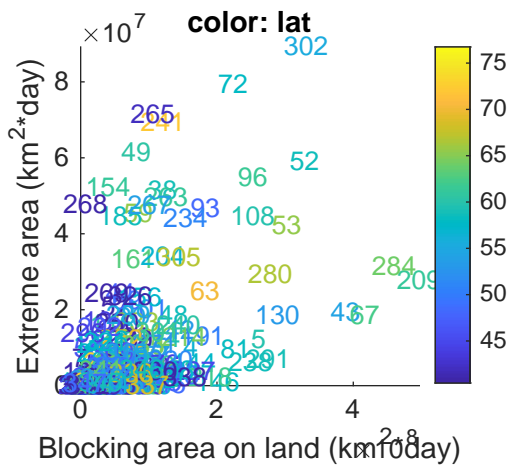
Ratio



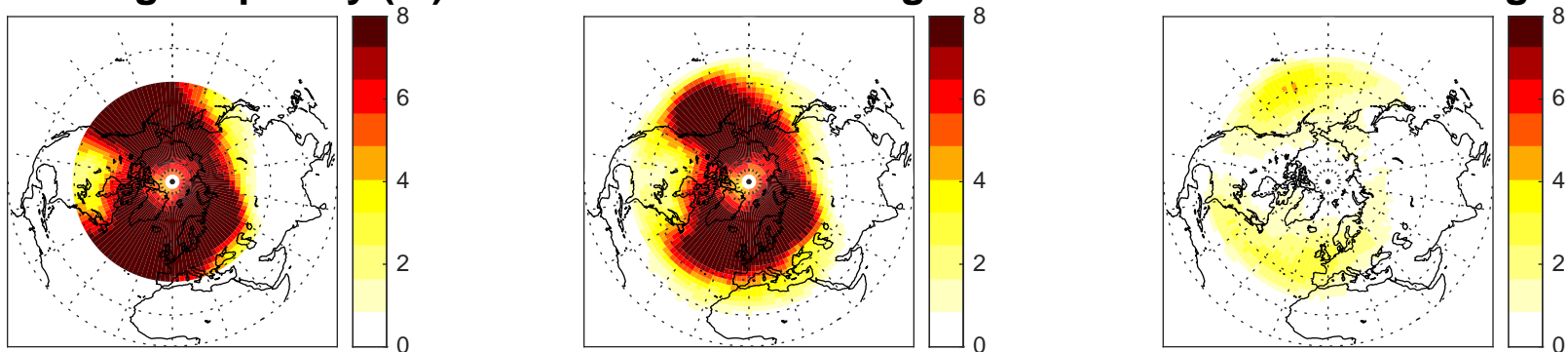
0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day*11yr
cold, frac=0.528, r=+0.437



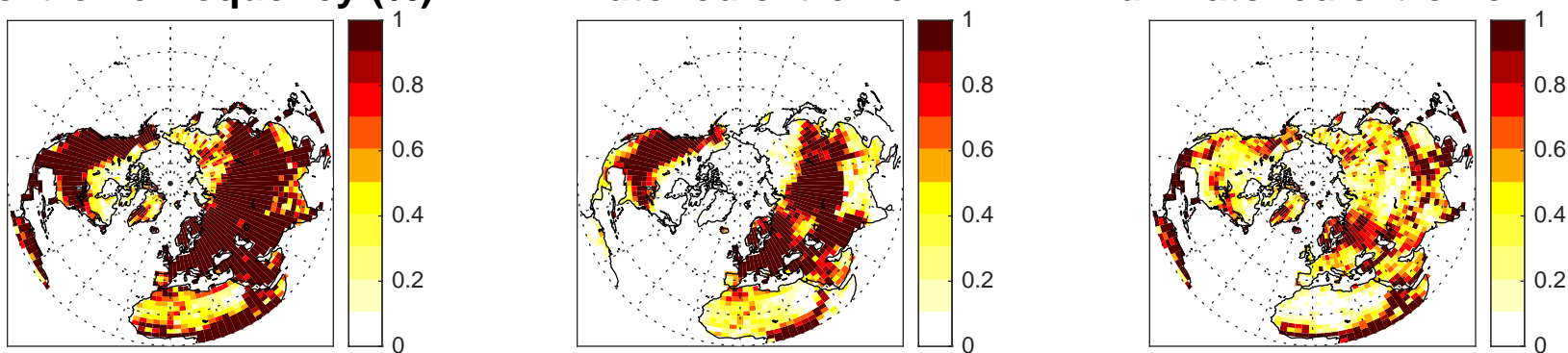
**0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day*11yr
cold, frac=0.528, r=+0.533**



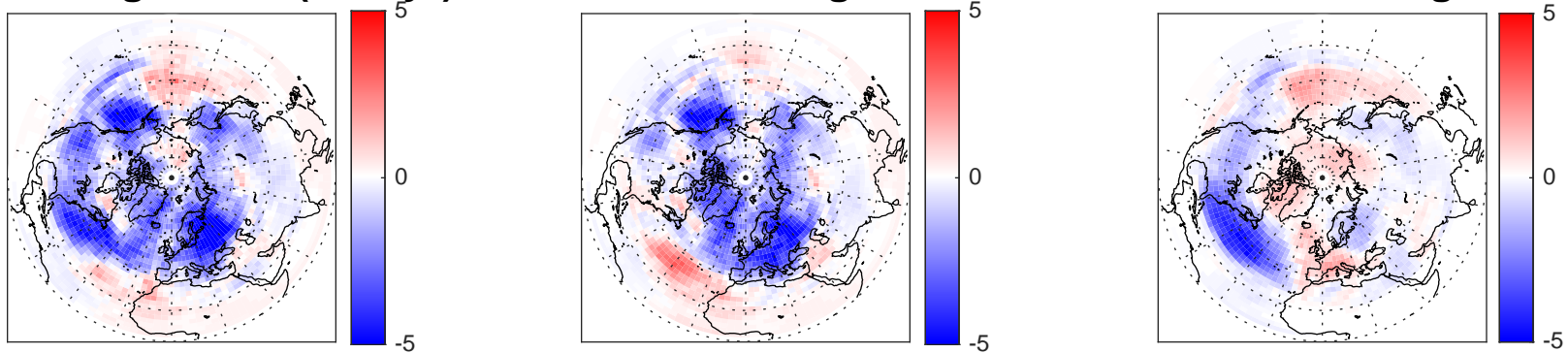
0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
DJF blocking frequency (%) **matched blocking** **unmatched blocking**



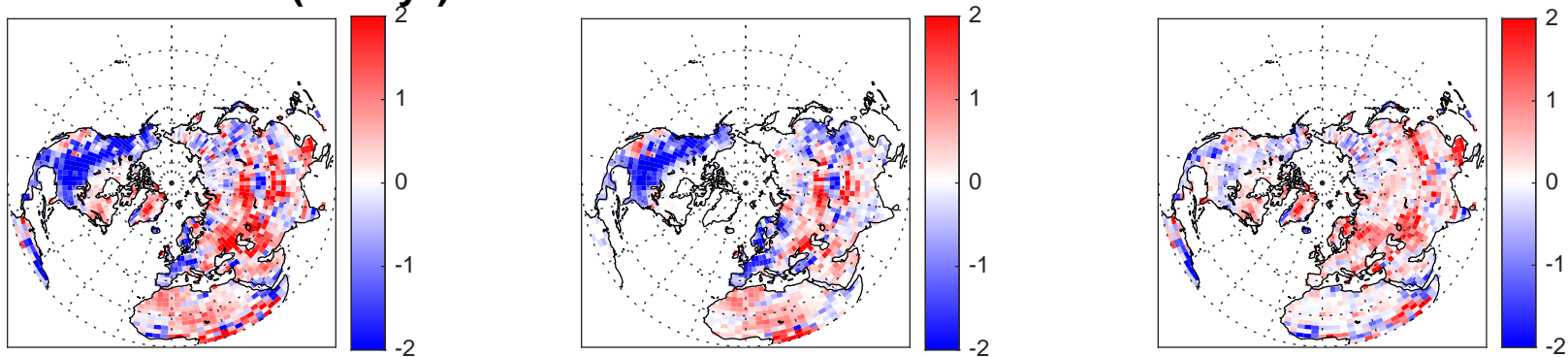
x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat
DJF extreme frequency (%) **matched extreme** **unmatched extreme**

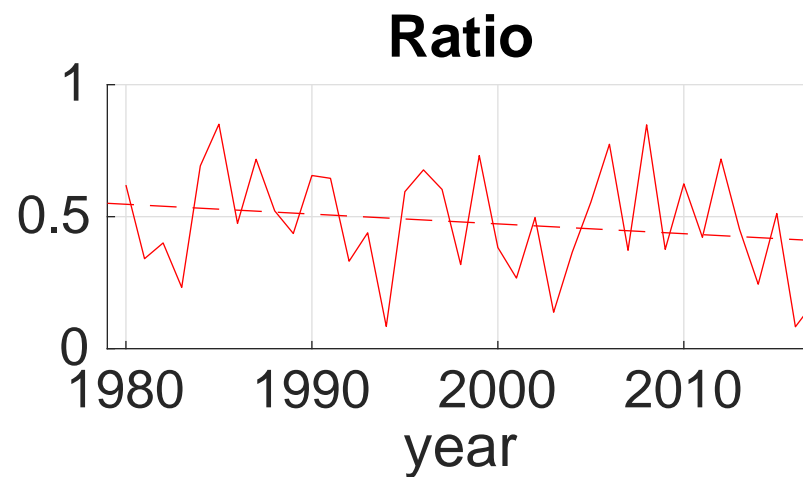
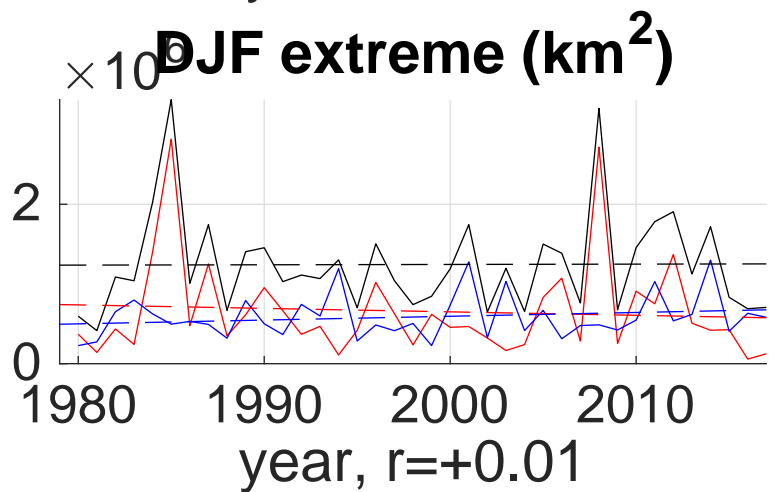
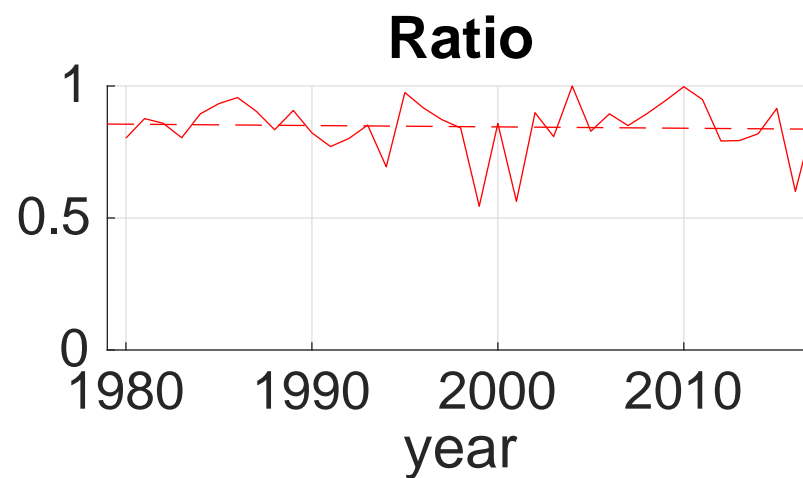
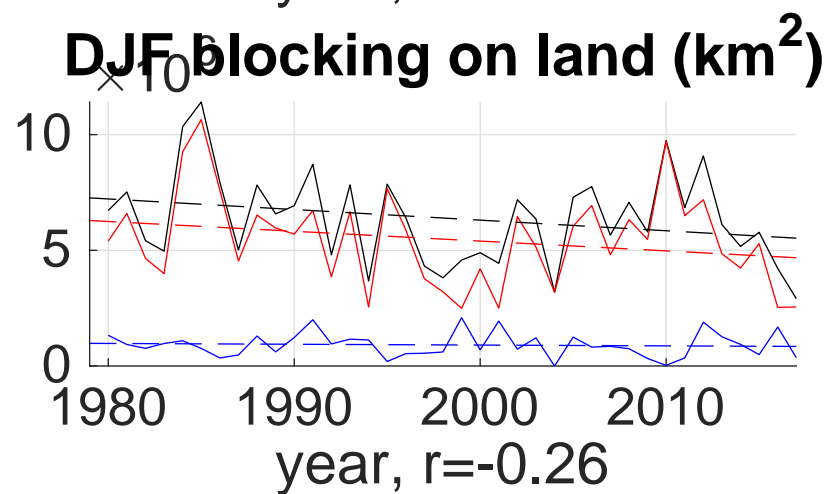
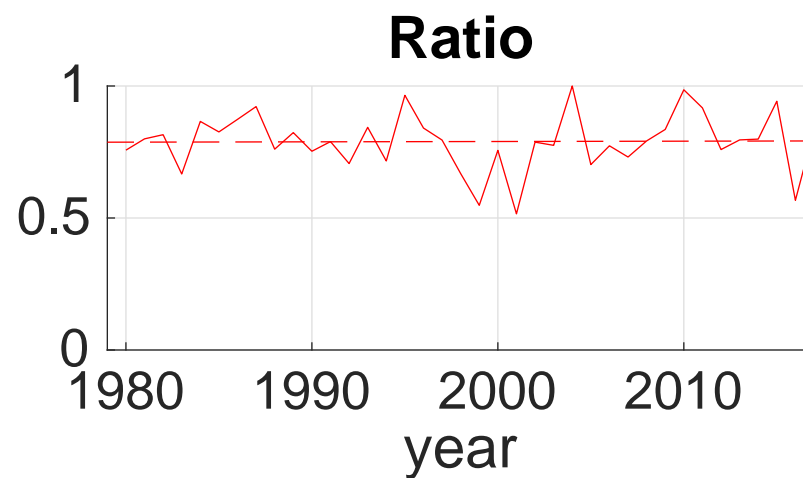
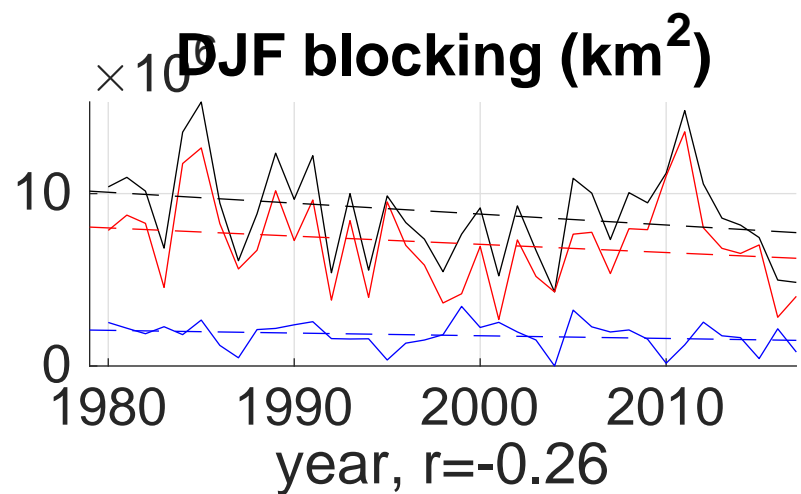


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
 DJF blocking trends (%/30yr) matched blocking trends unmatched blocking trends

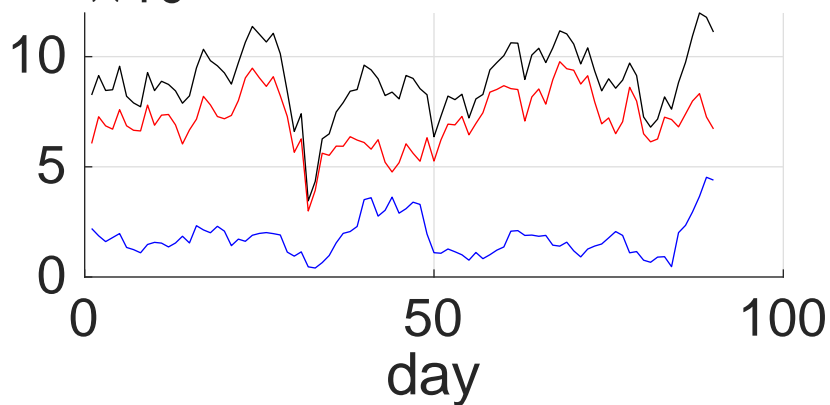


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day*11yr
 DJF extreme trends (%/30yr) matched extreme trends unmatched extreme trends

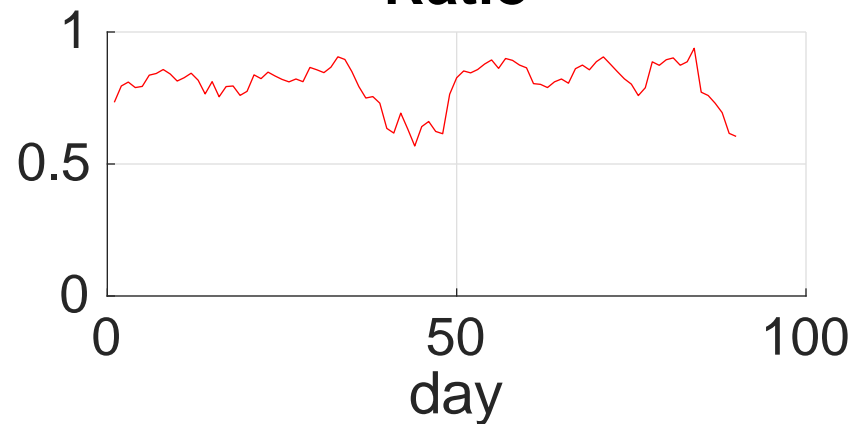




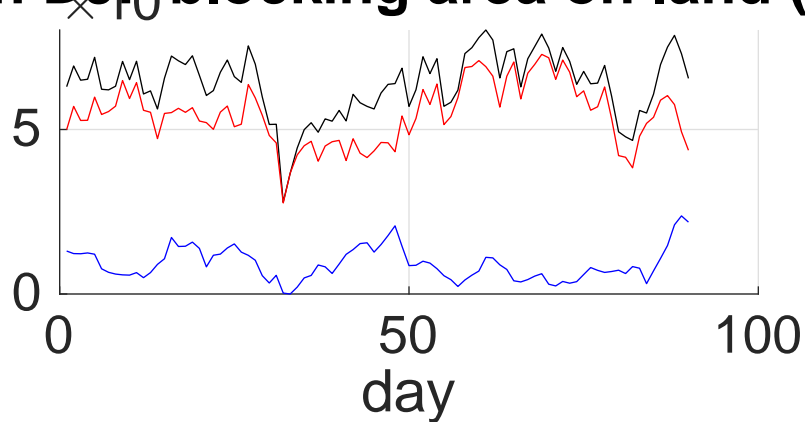
Mean DJF blocking area (km²)



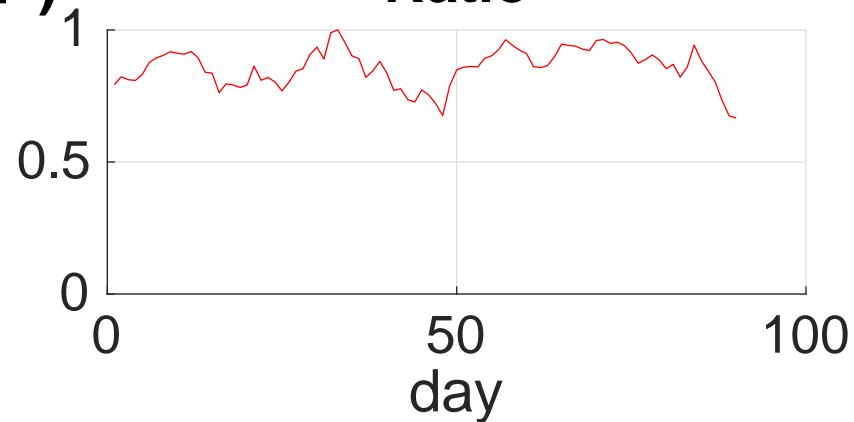
Ratio



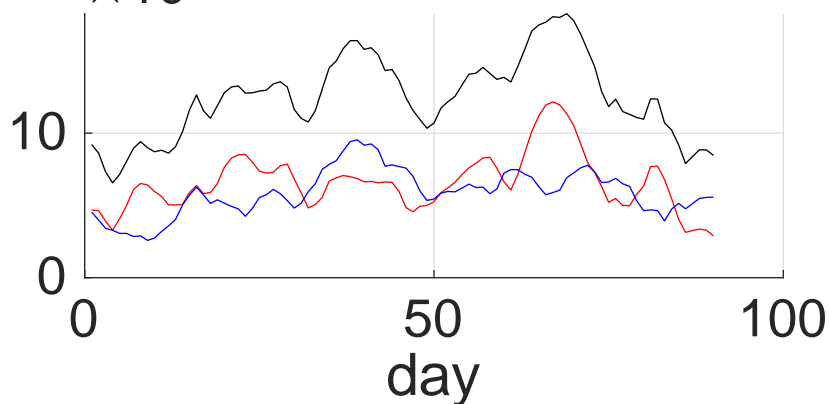
Mean DJF blocking area on land (km²)



Ratio



Mean DJF extreme area (km²)



Ratio

