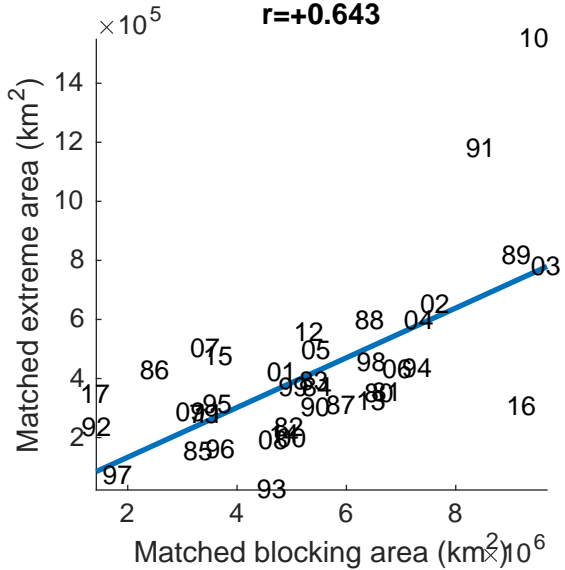
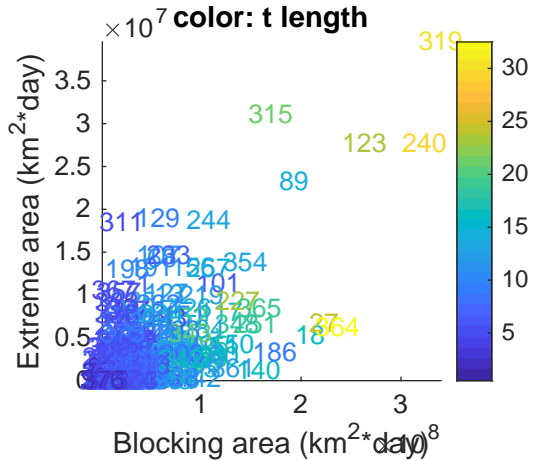
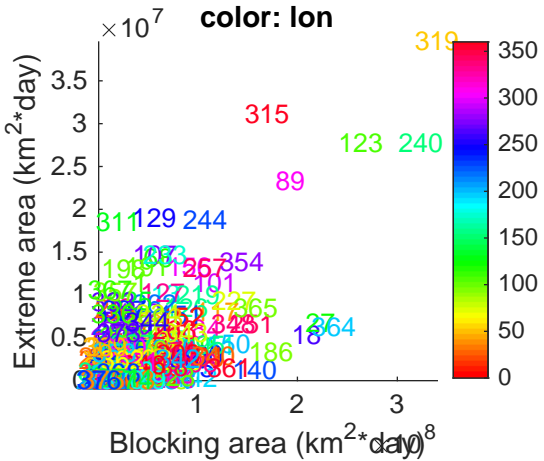
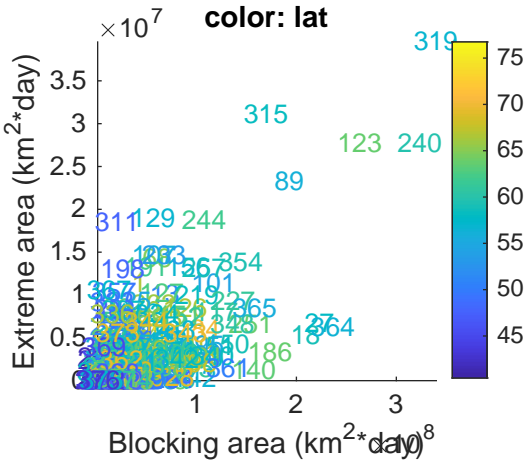
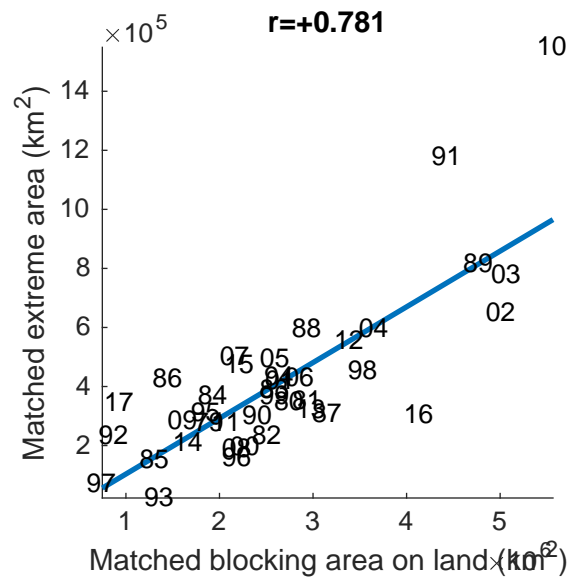
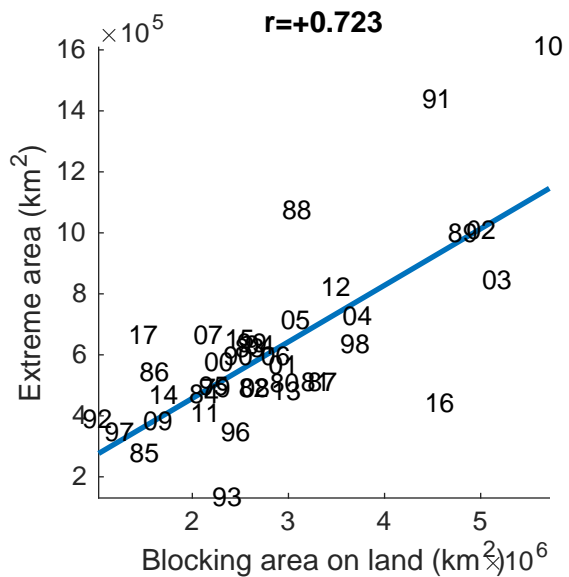
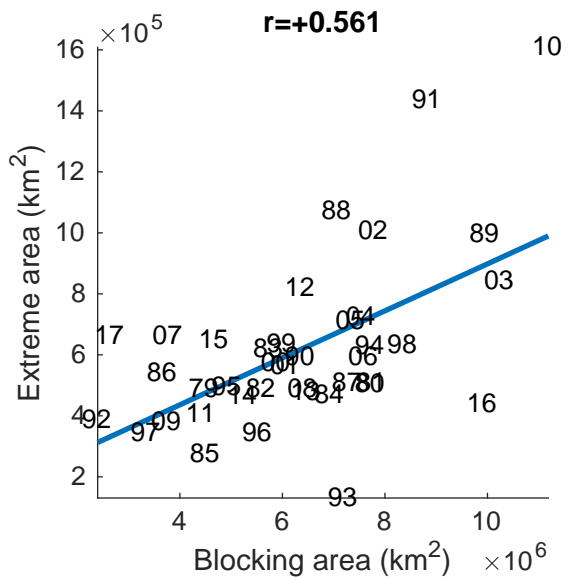
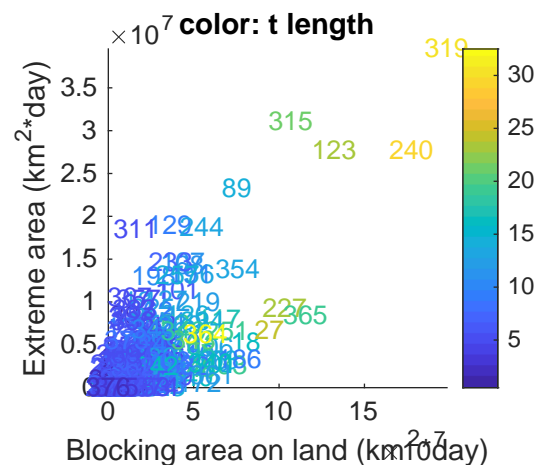
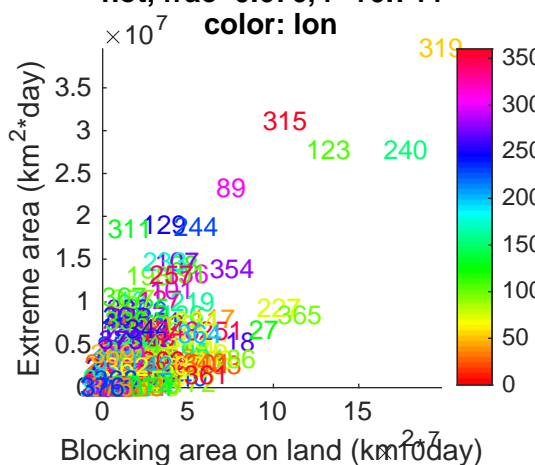
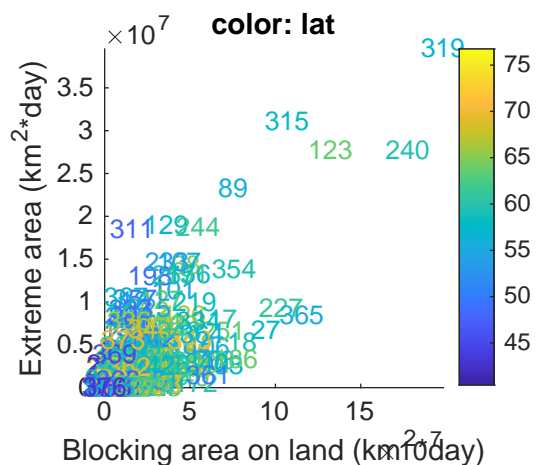


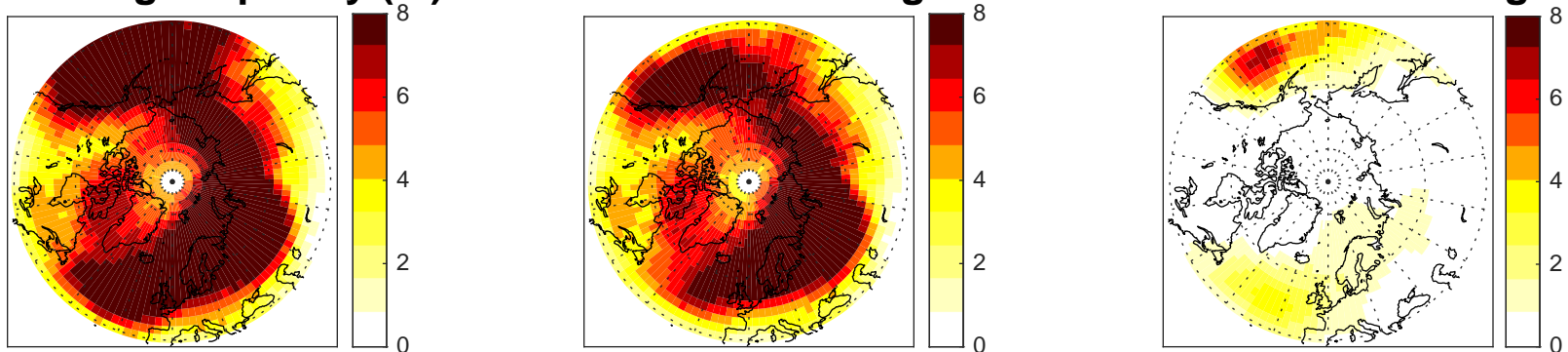
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day\*11yr  
hot, frac=0.676, r=+0.654**



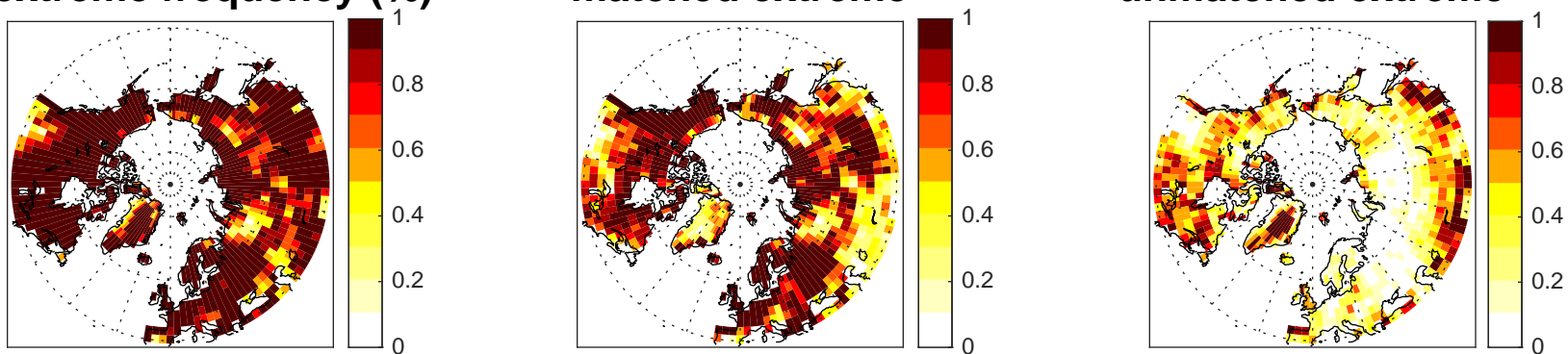
**hot, frac=0.676, r=+0.744**



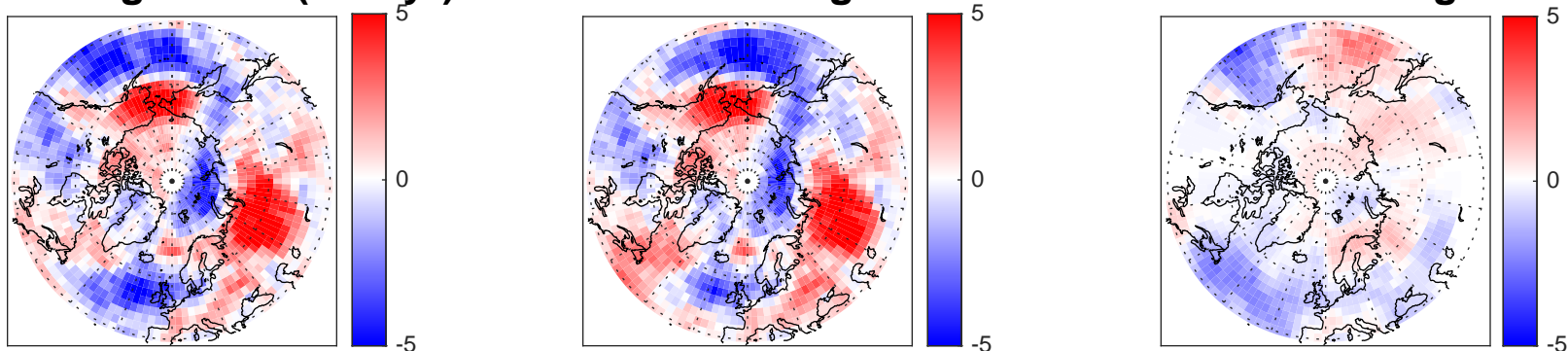
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day\*11yr**  
**JJA blocking frequency (%)**      **matched blocking**      **unmatched blocking**



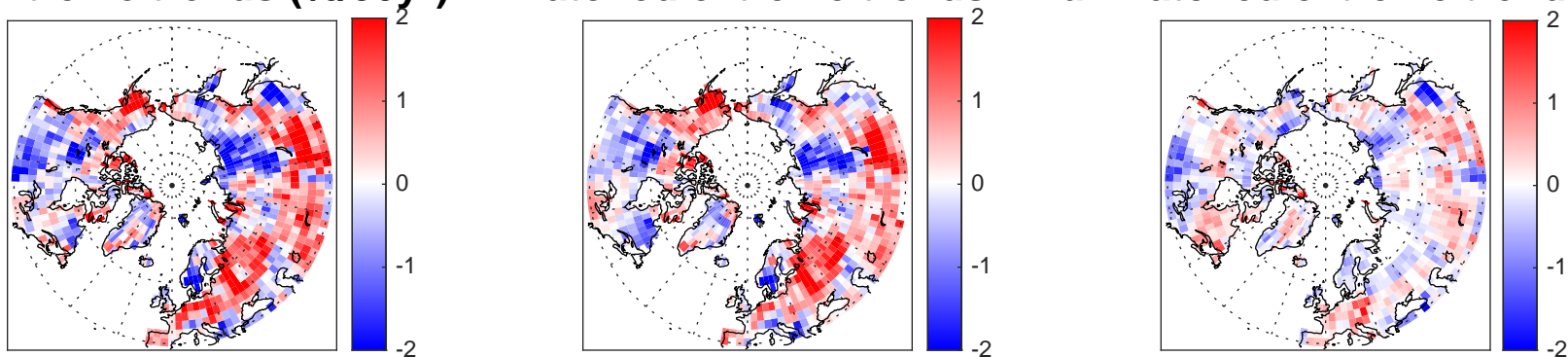
**x918: Extreme, 15/15day\*11yr, 2.3localstd 0K 50lat**  
**JJA extreme frequency (%)**      **matched extreme**      **unmatched extreme**

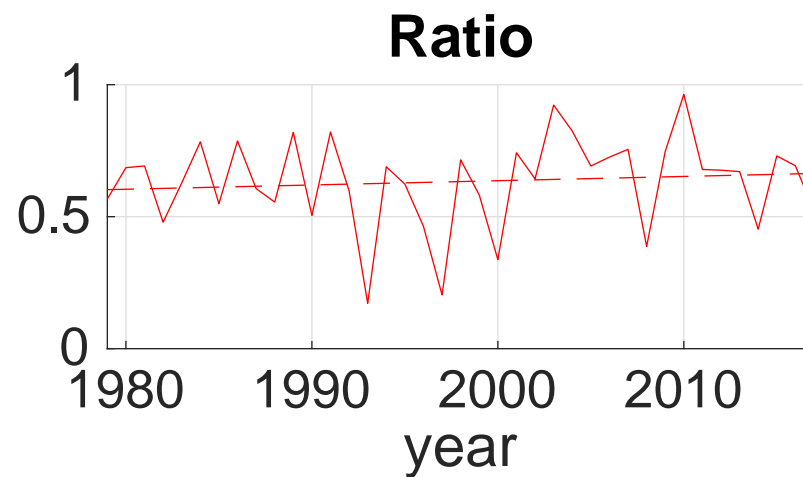
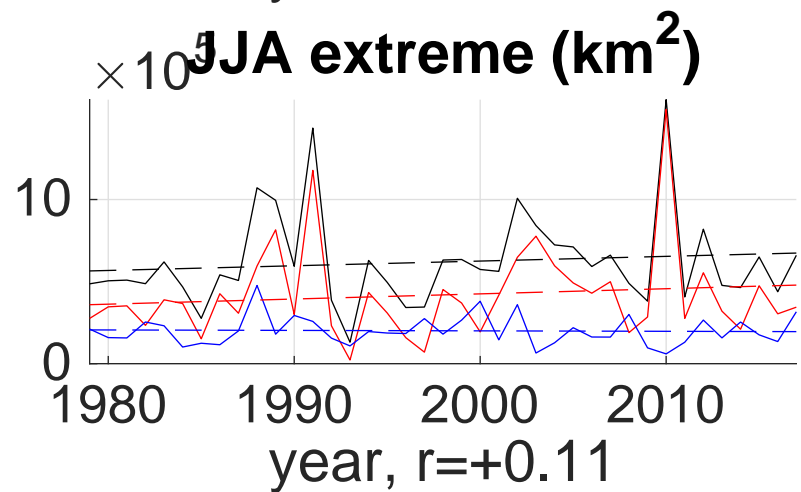
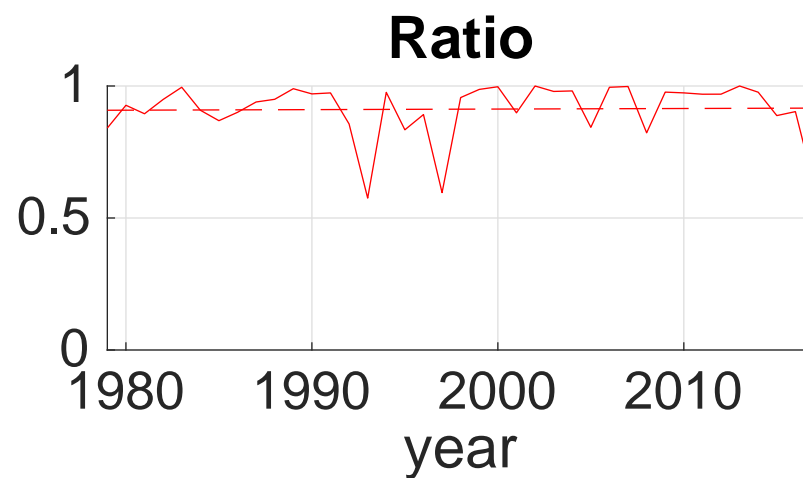
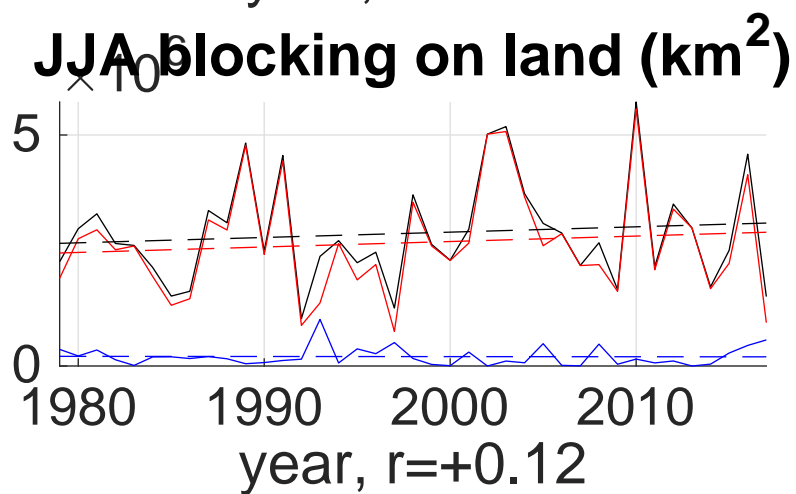
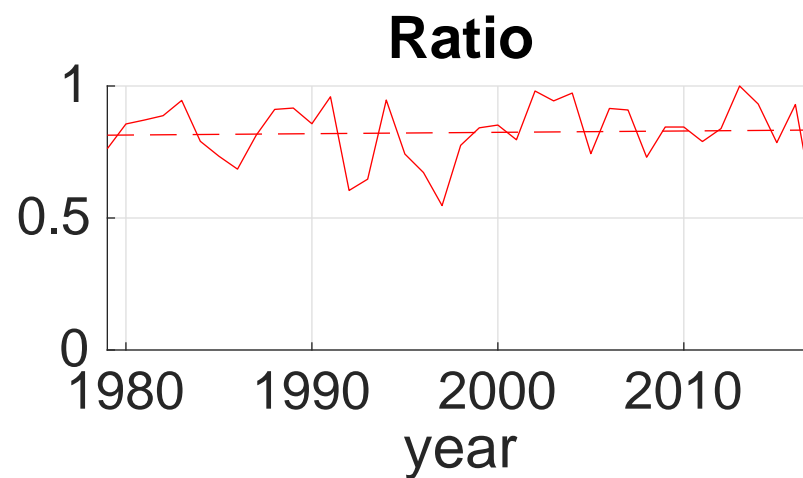
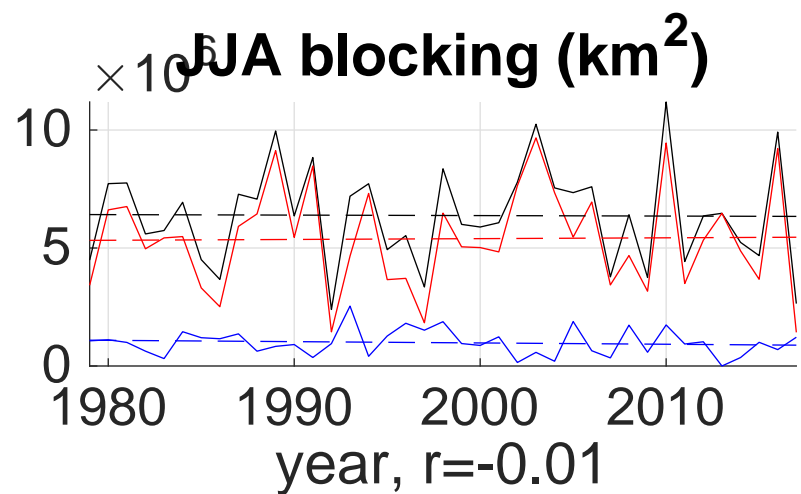


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day\*11yr  
 JJA blocking trends (%/30yr)    matched blocking trends    unmatched blocking trends

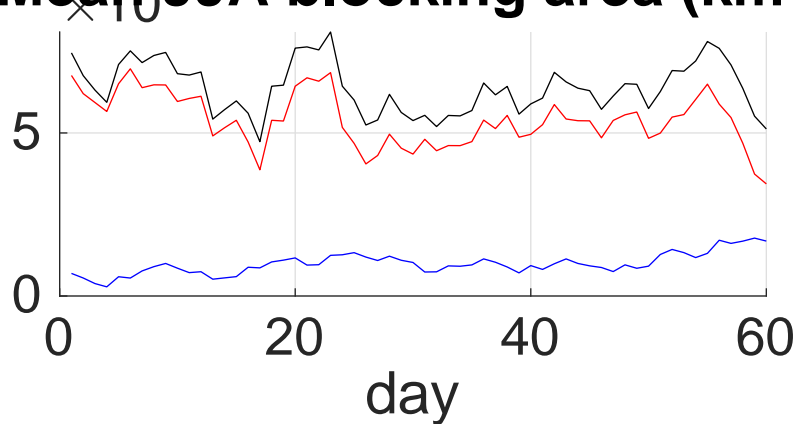


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day\*11yr  
 JJA extreme trends (%/30yr)    matched extreme trends    unmatched extreme trends

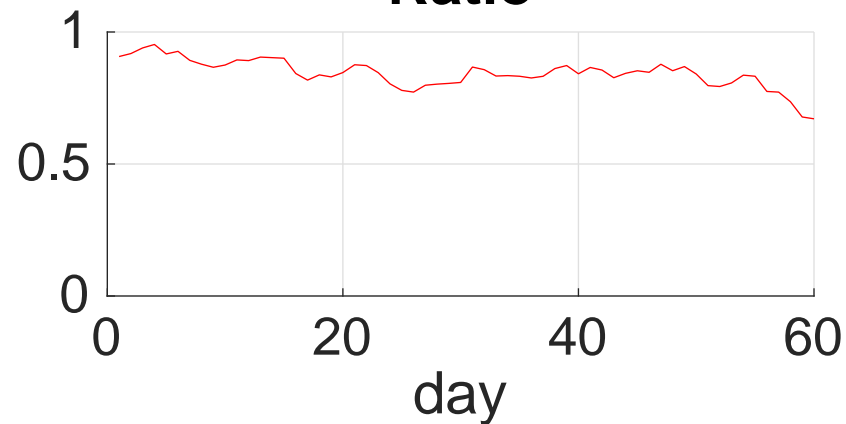




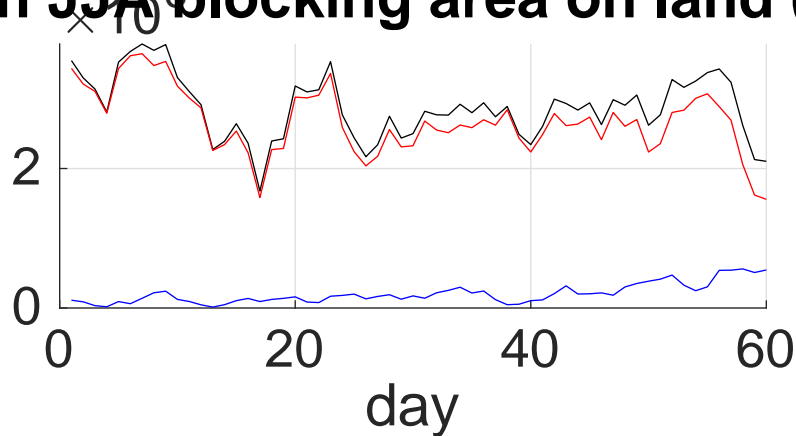
**Mean JJA blocking area (km<sup>2</sup>)**



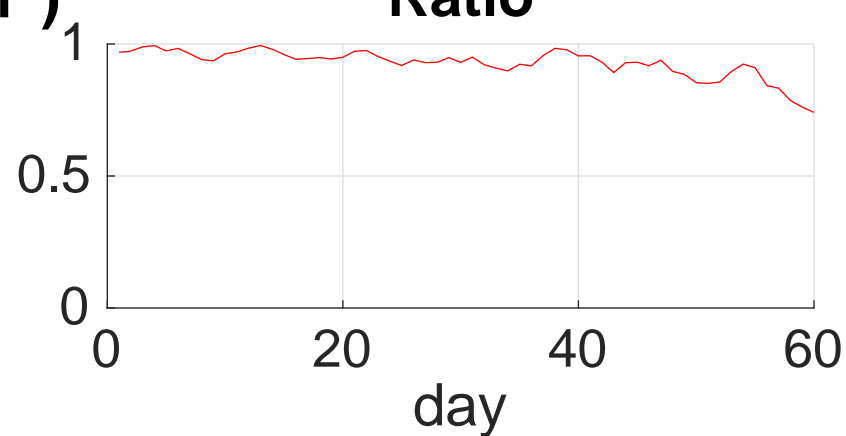
**Ratio**



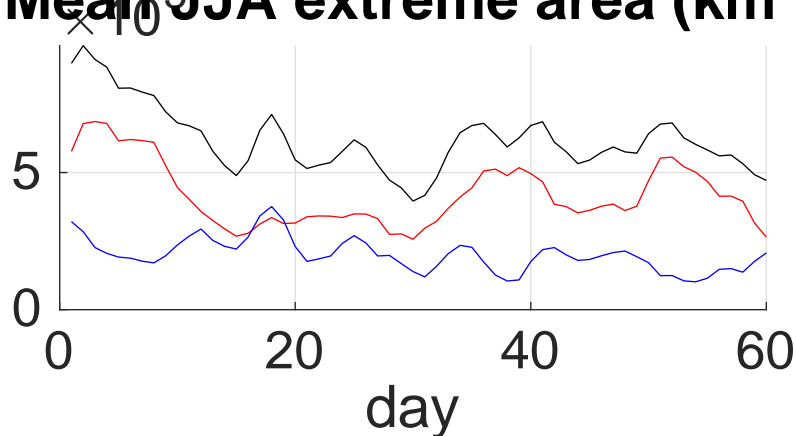
**Mean JJA blocking area on land (km<sup>2</sup>)**



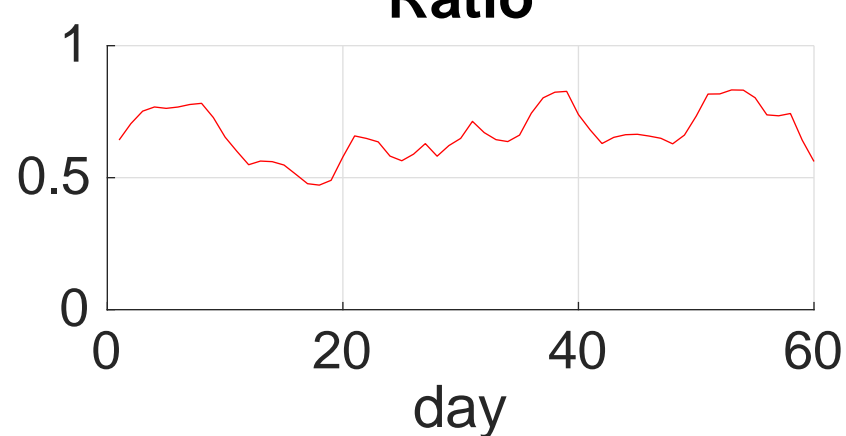
**Ratio**



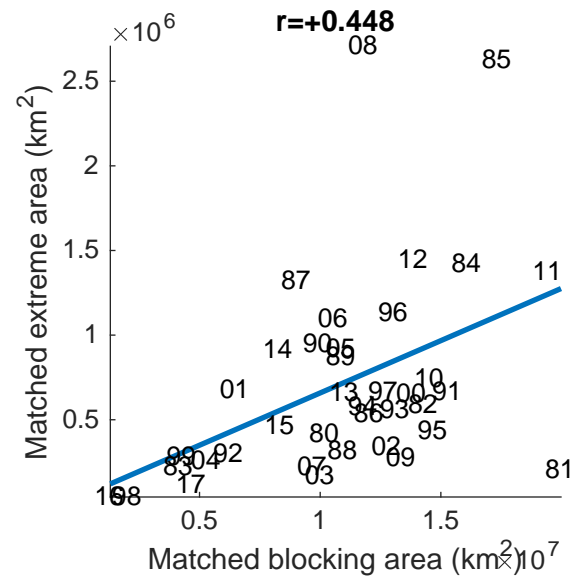
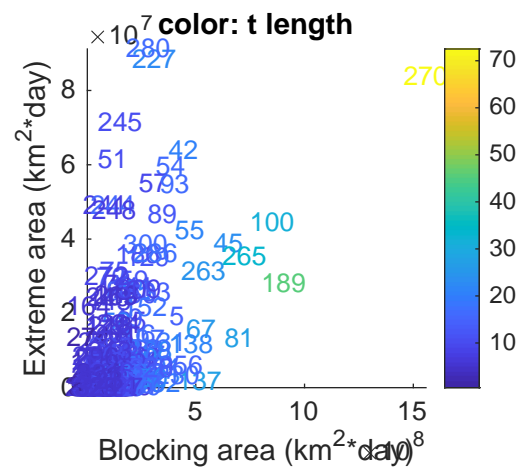
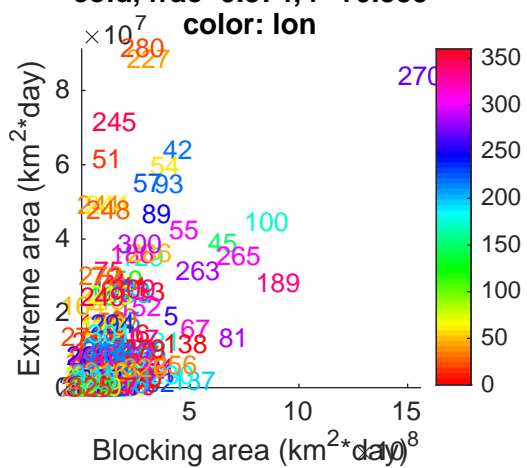
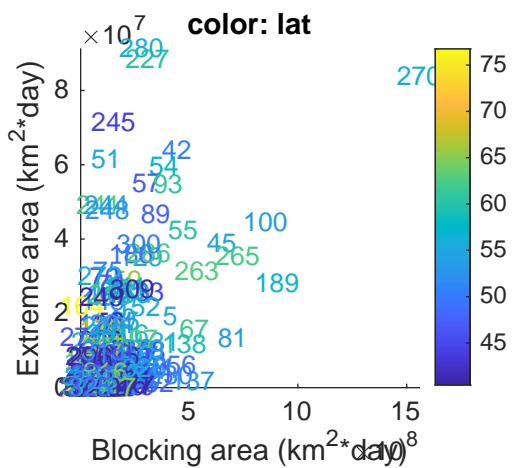
**Mean JJA extreme area (km<sup>2</sup>)**



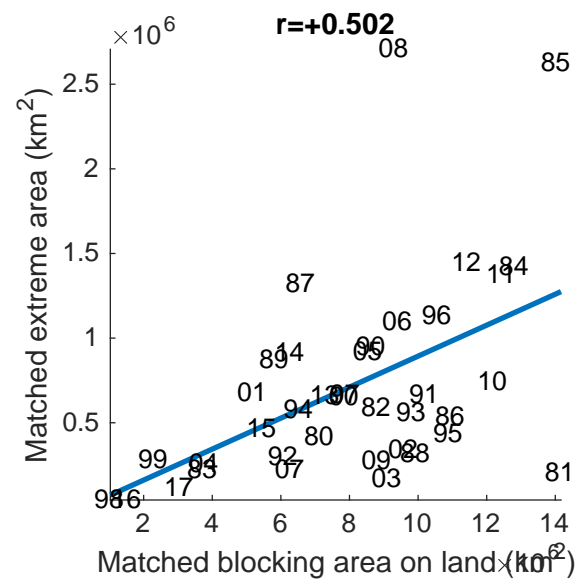
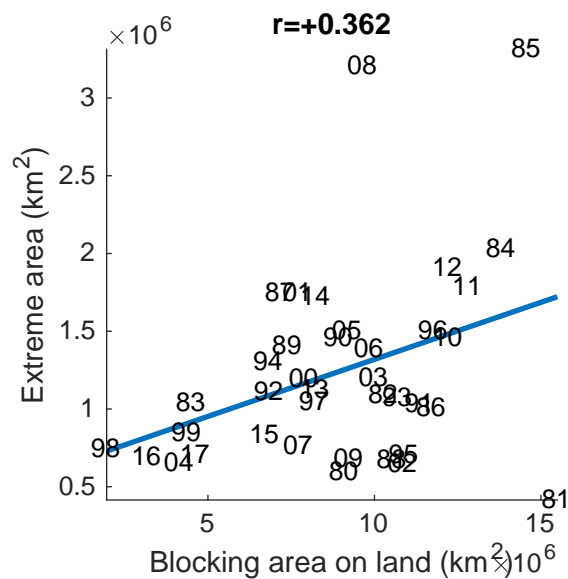
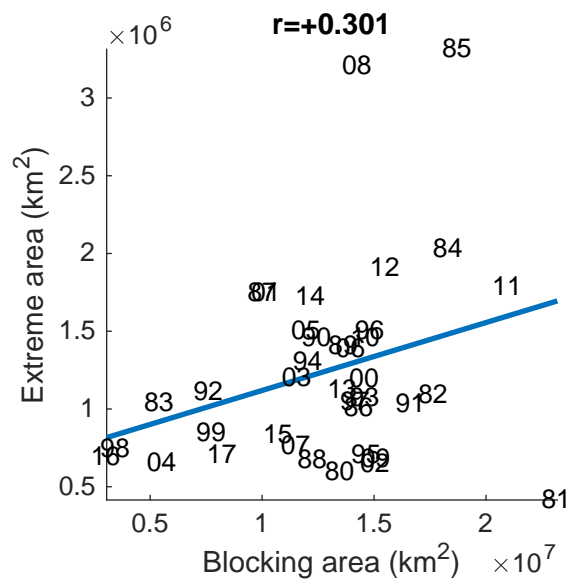
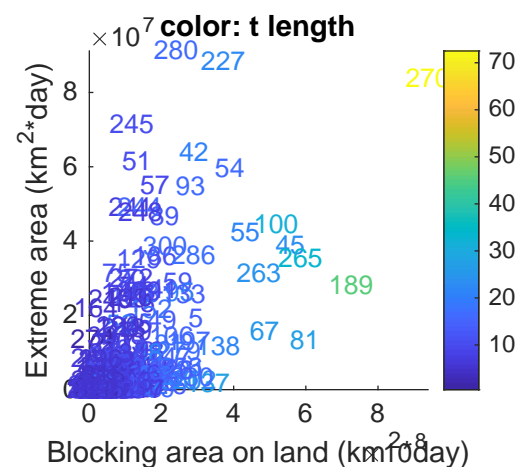
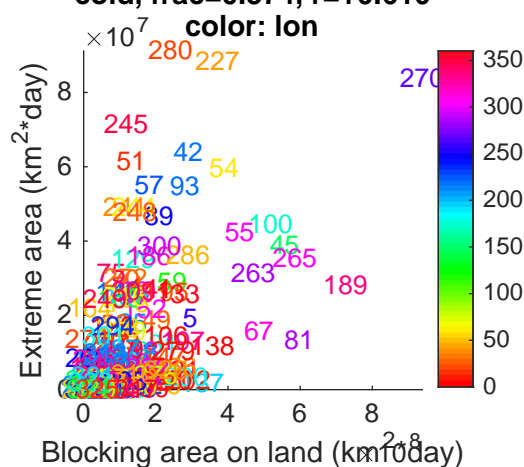
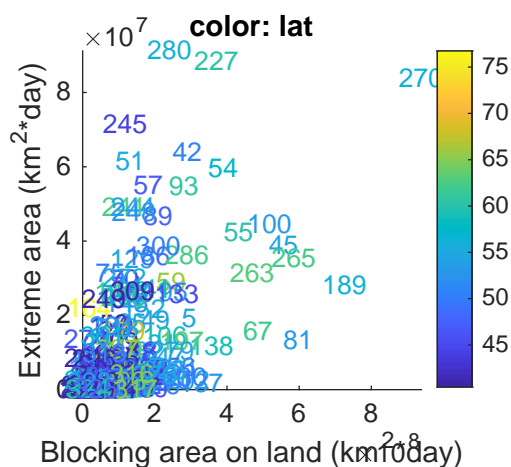
**Ratio**



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

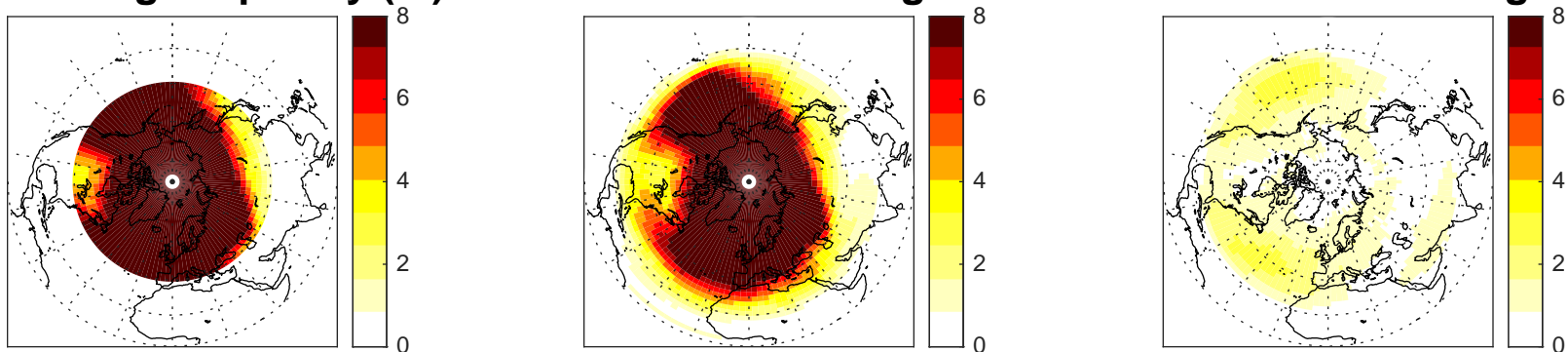


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day\*11yr  
cold, frac=0.574, r=+0.610

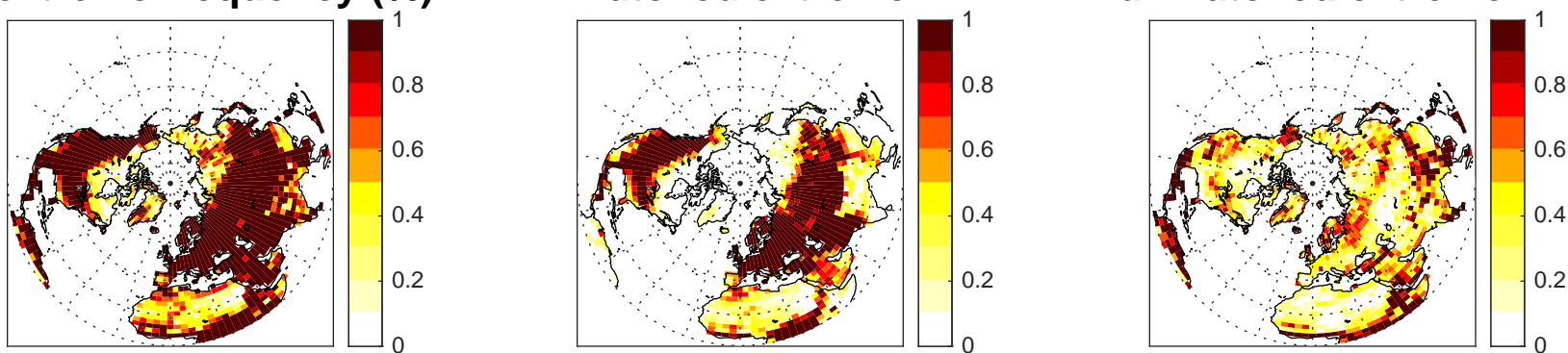




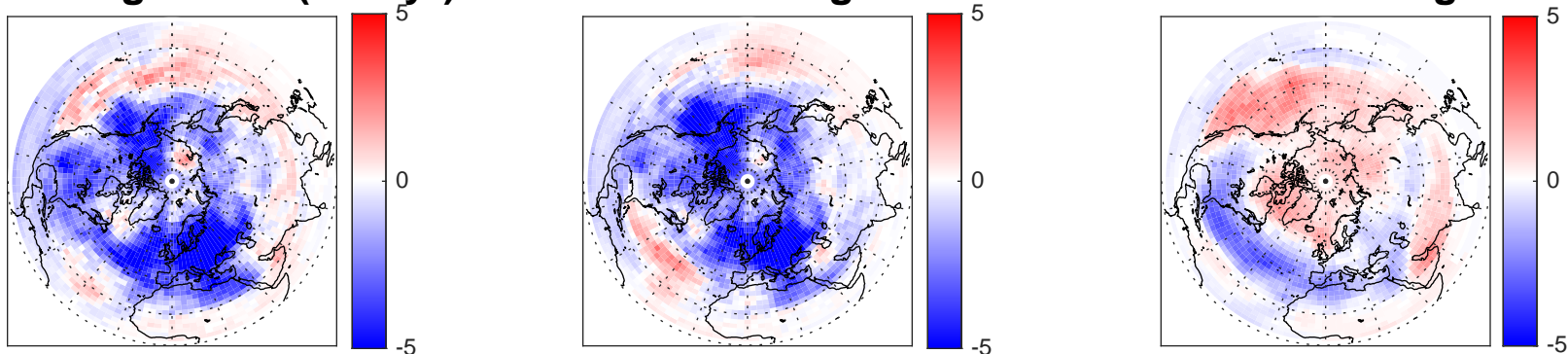
**0a15: D13, psi500, D=5,astd40-90N,S=1e+06,A=1 15/15day\*11yr**  
**DJF blocking frequency (%)**      **matched blocking**      **unmatched blocking**



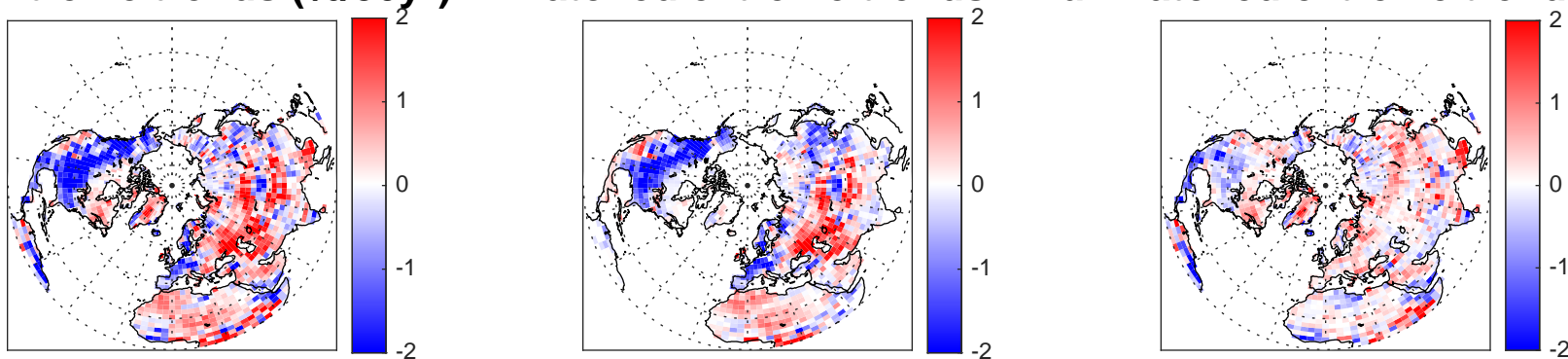
**x918: Extreme, 15/15day\*11yr, 2.3localstd 0K 50lat**  
**DJF extreme frequency (%)**      **matched extreme**      **unmatched extreme**

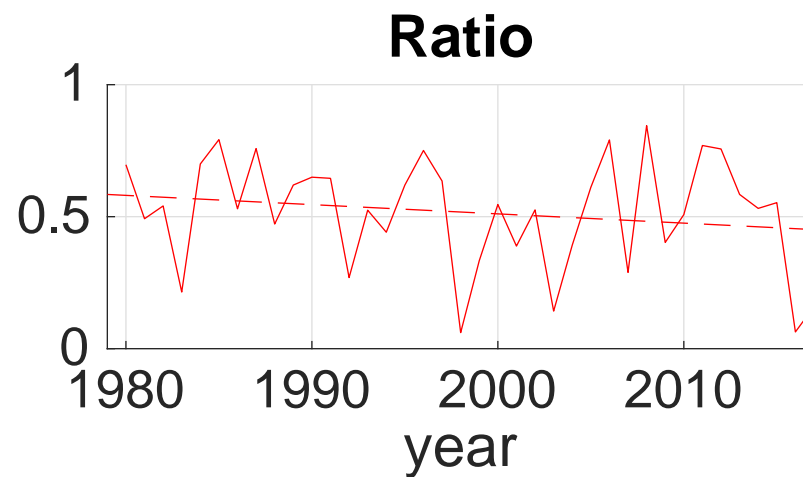
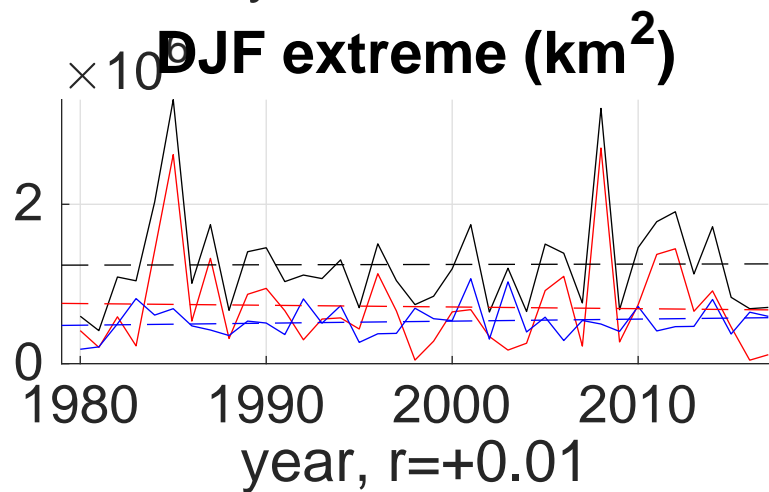
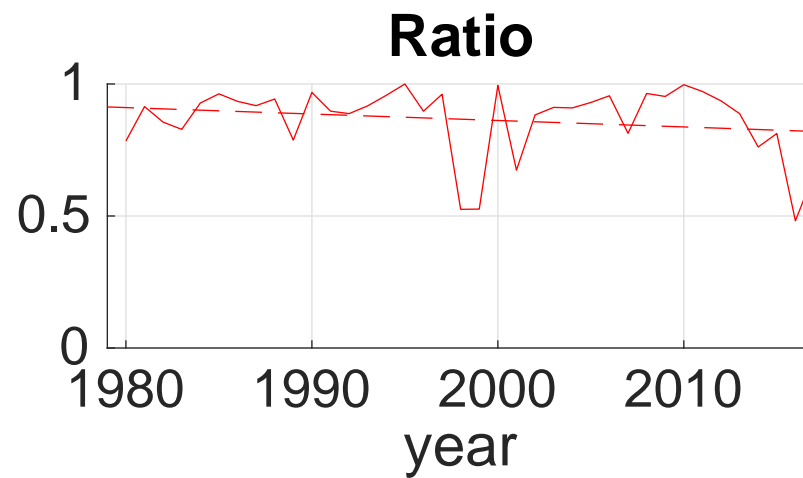
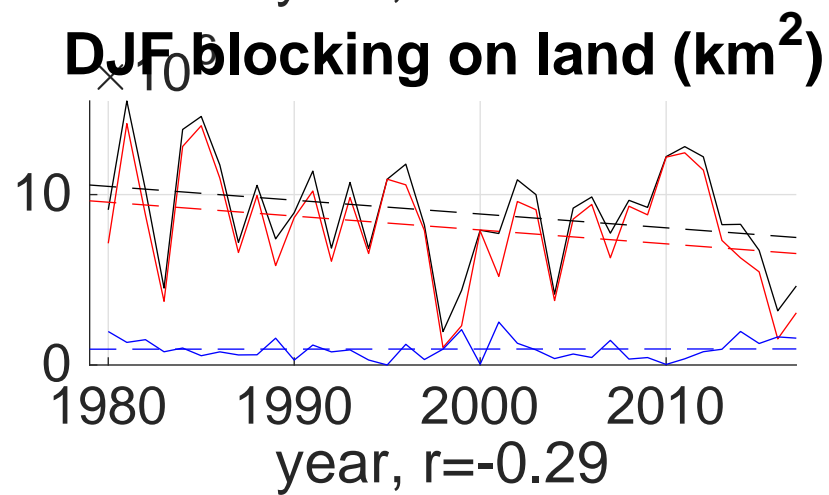
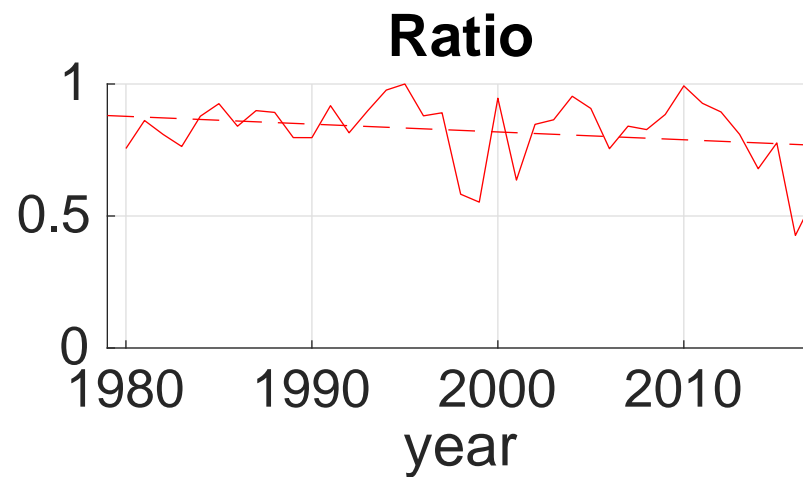
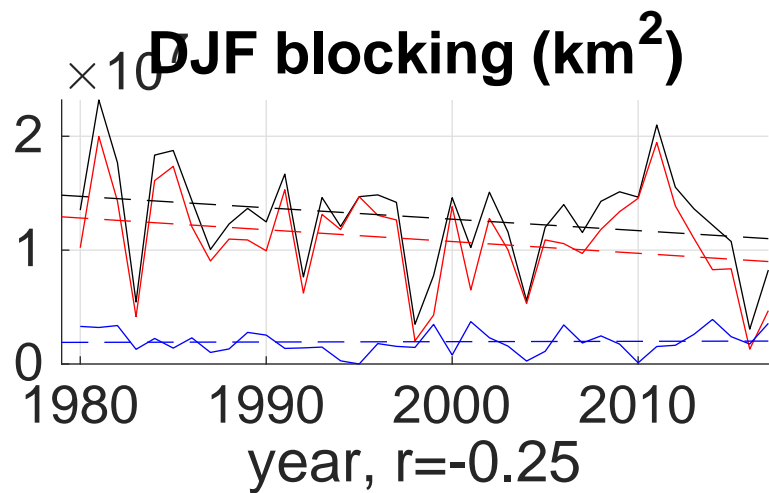


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day\*11yr  
 DJF blocking trends (%/30yr)    matched blocking trends    unmatched blocking trends

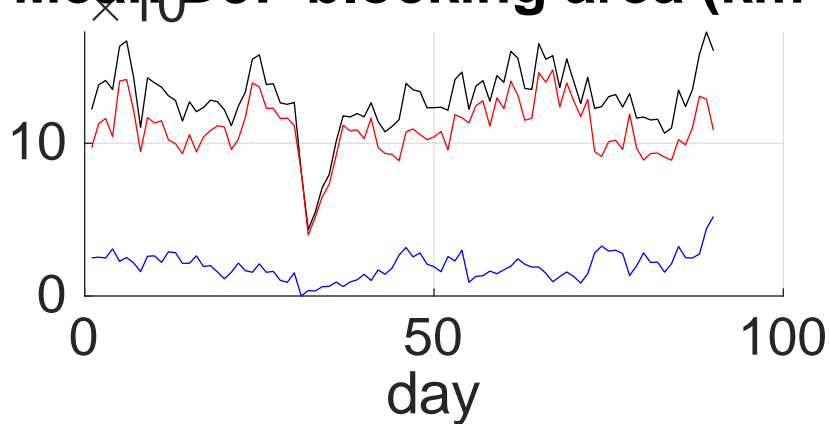


0a15: D13, psi500, D=5, astd40-90N, S=1e+06, A=1 15/15day\*11yr  
 DJF extreme trends (%/30yr)    matched extreme trends    unmatched extreme trends

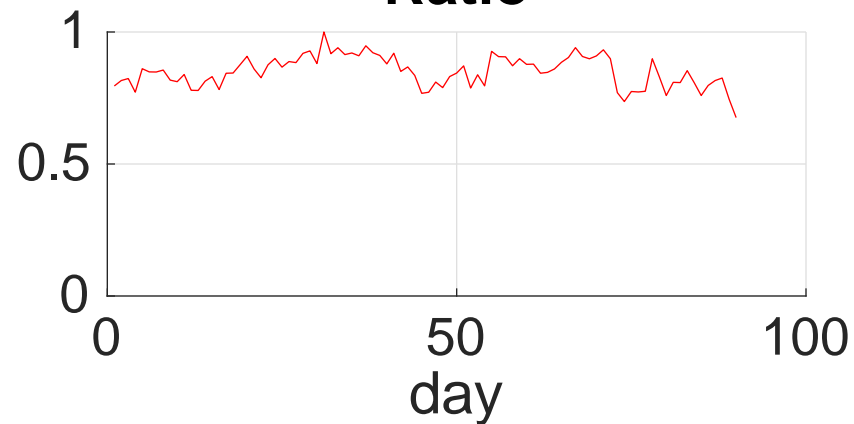




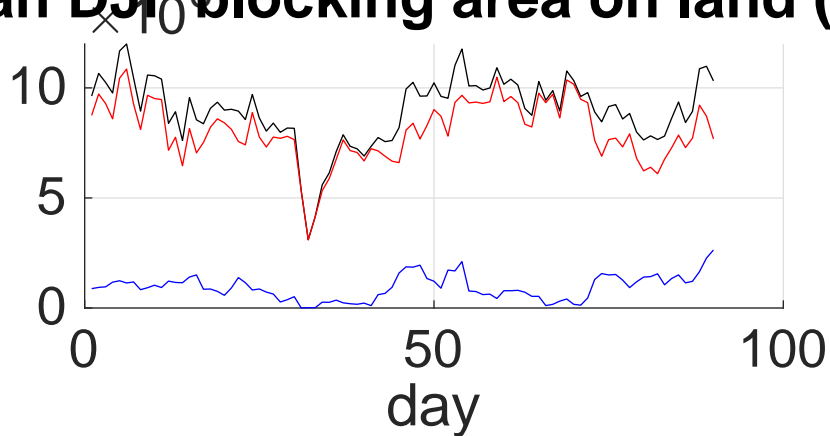
**Mean DJF blocking area (km<sup>2</sup>)**



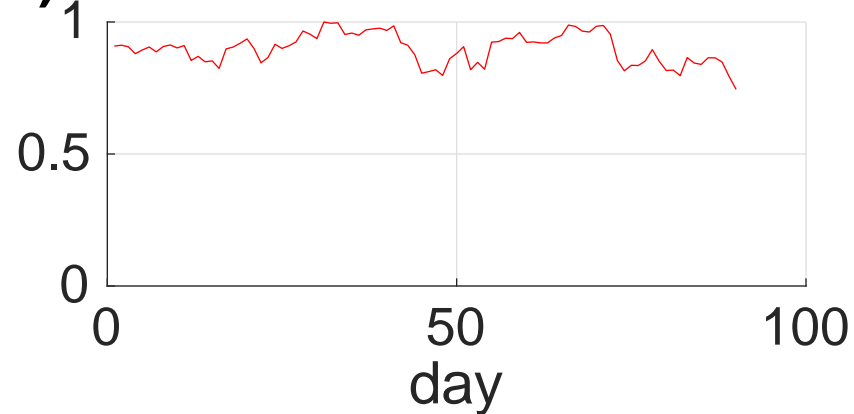
**Ratio**



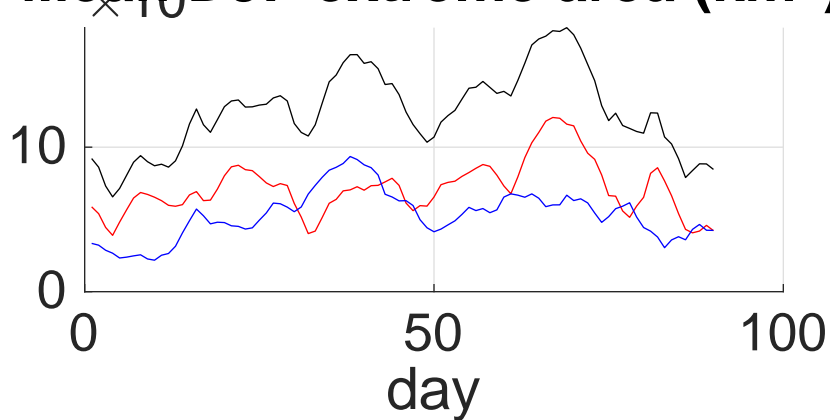
**Mean DJF blocking area on land (km<sup>2</sup>)**



**Ratio**



**Mean DJF extreme area (km<sup>2</sup>)**



**Ratio**

