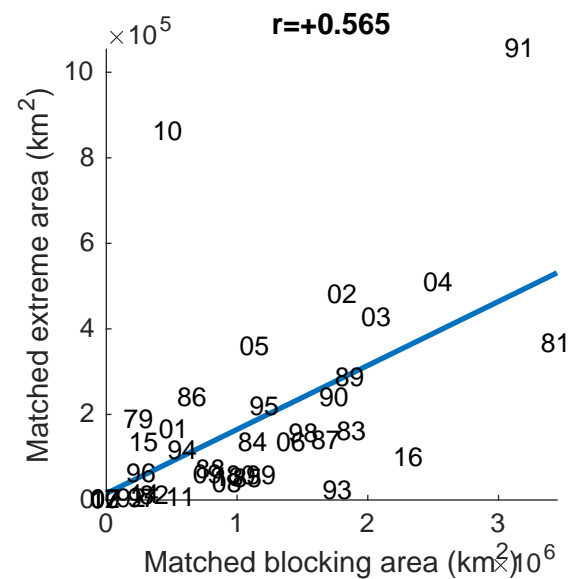
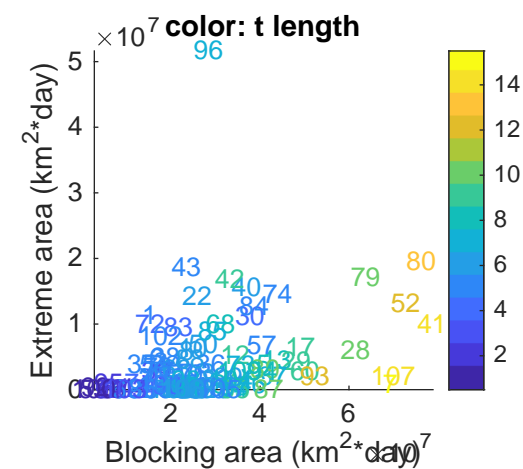
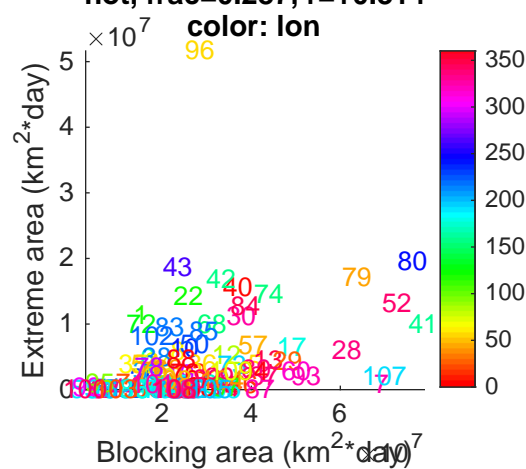
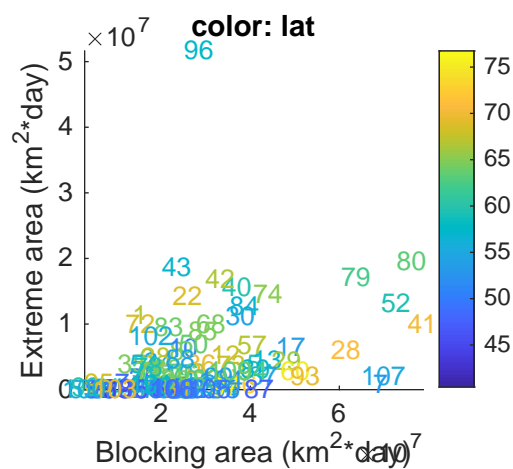
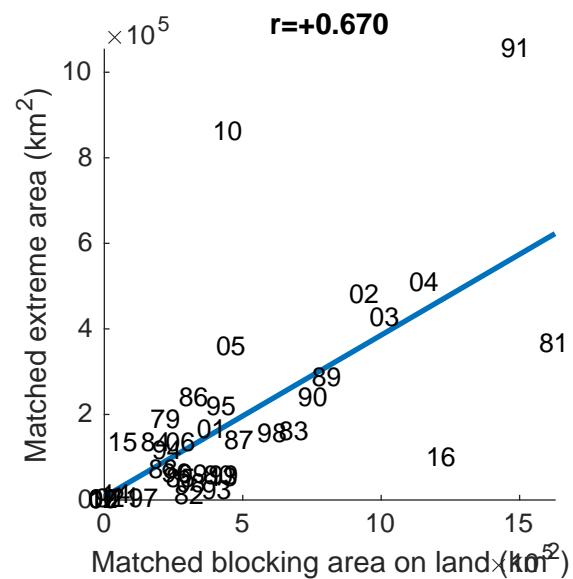
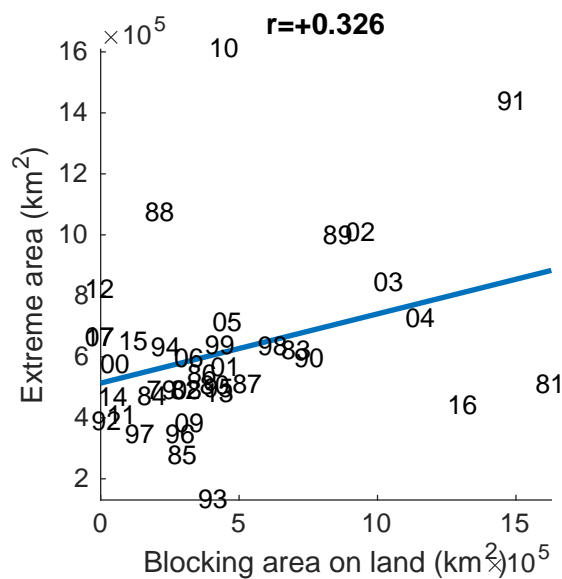
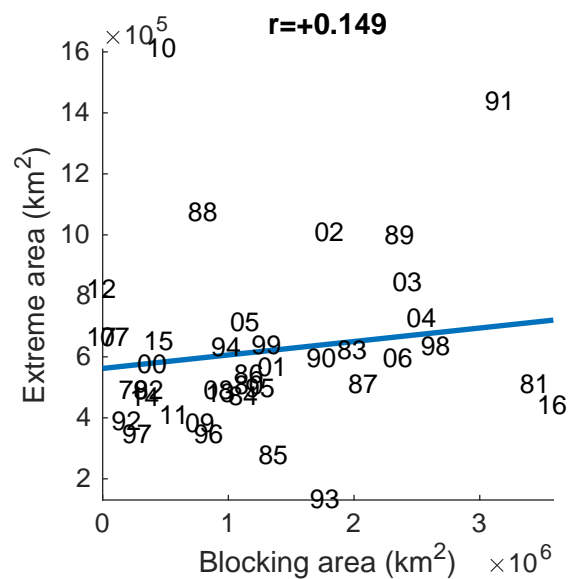
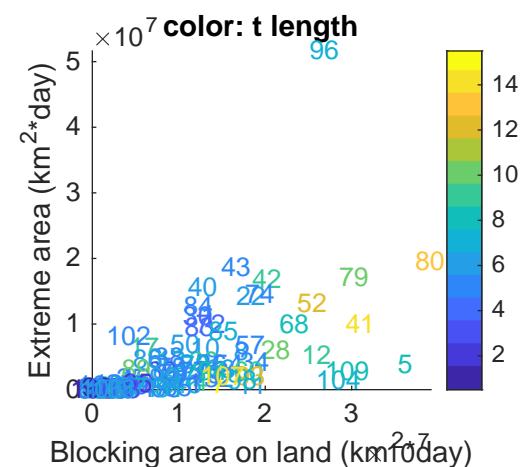
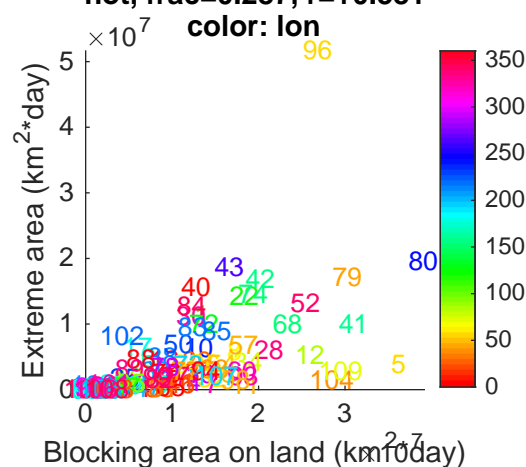
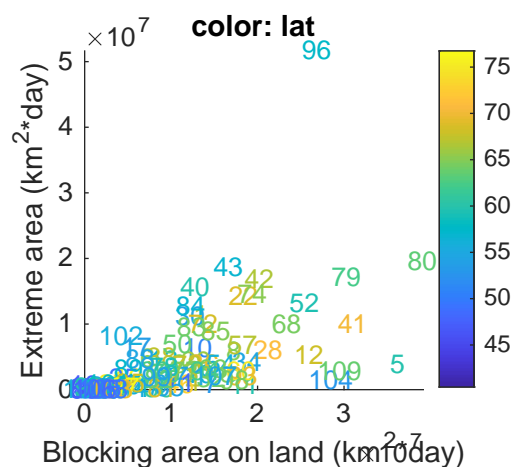


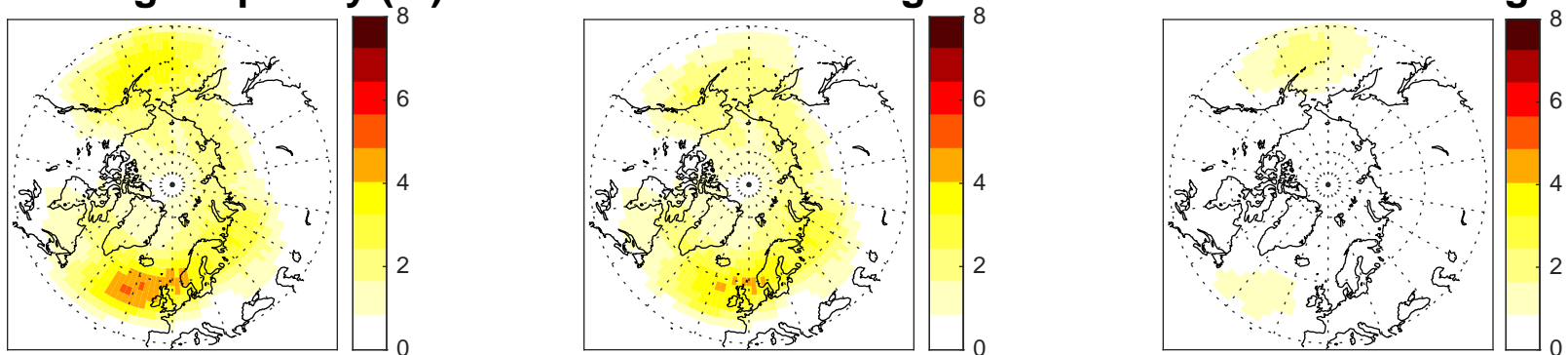
**0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day\*11yr**  
**hot, frac=0.287, r=+0.314**



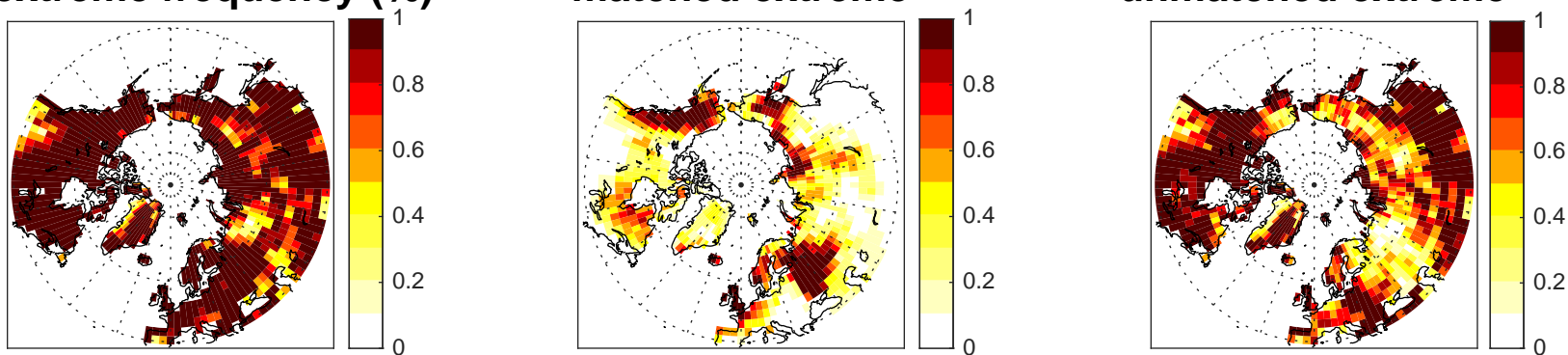
0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day\*11yr  
hot, frac=0.287, r=+0.581



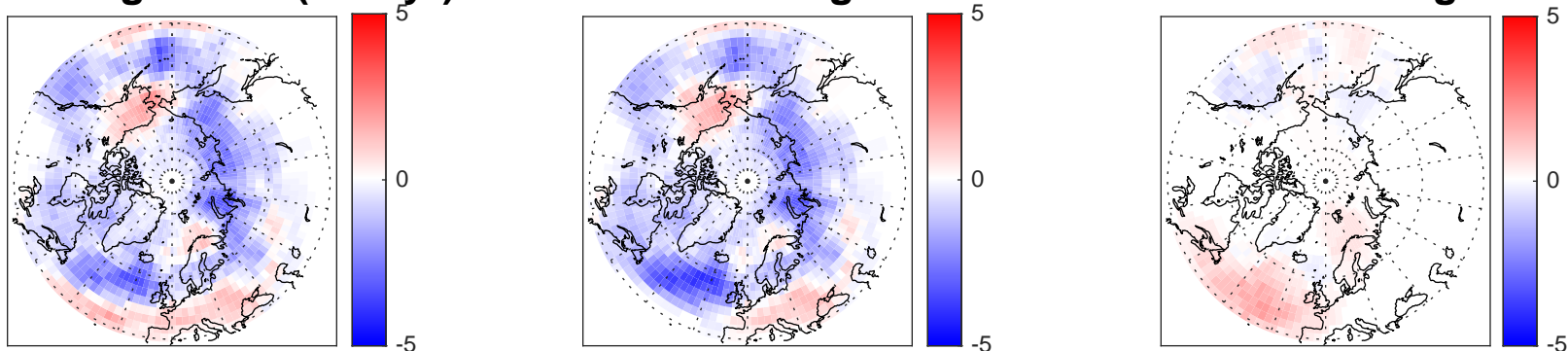
**0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day\*11yr**  
**JJA blocking frequency (%)**      **matched blocking**      **unmatched blocking**



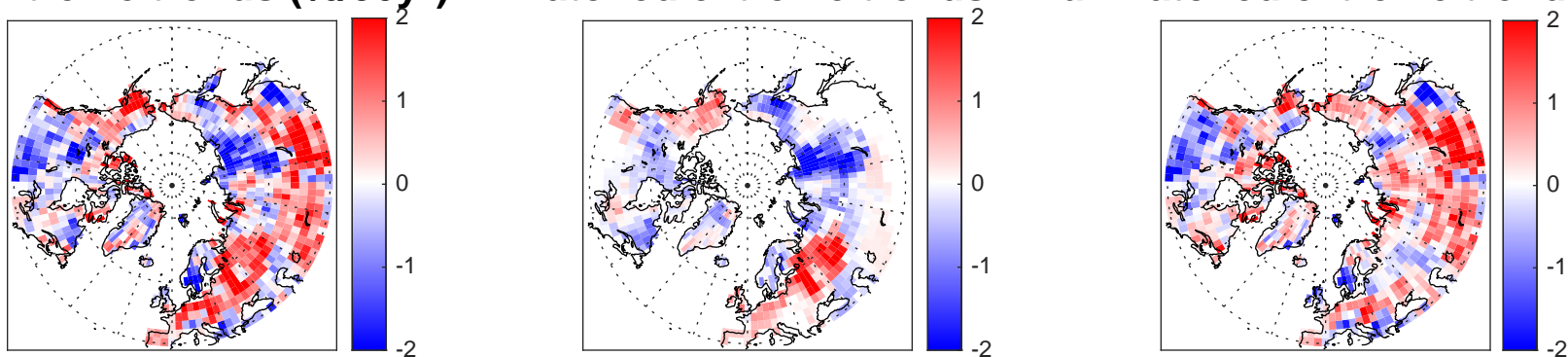
**x918: Extreme, 15/15day\*11yr, 2.3localstd 0K 50lat**  
**JJA extreme frequency (%)**      **matched extreme**      **unmatched extreme**

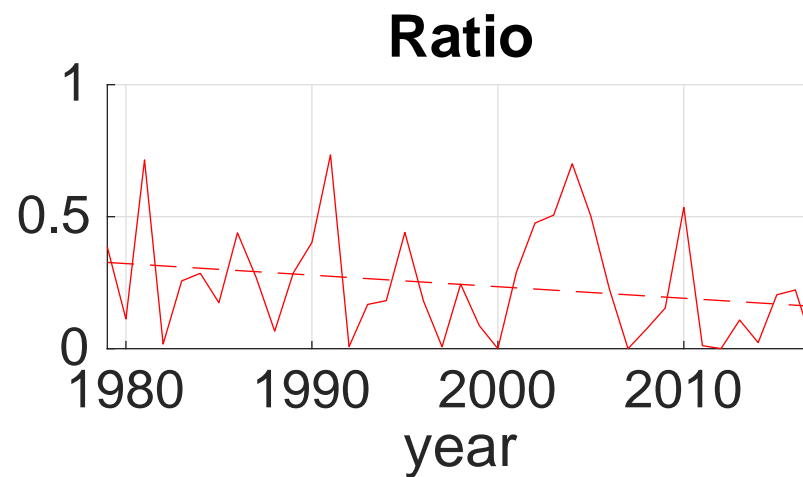
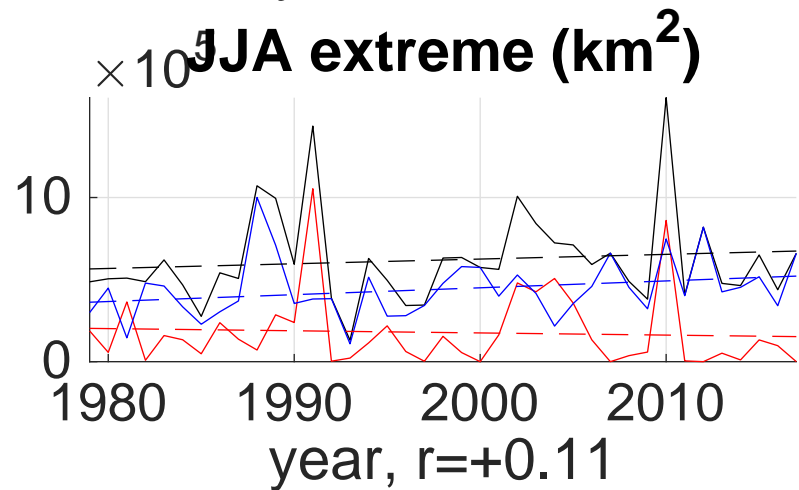
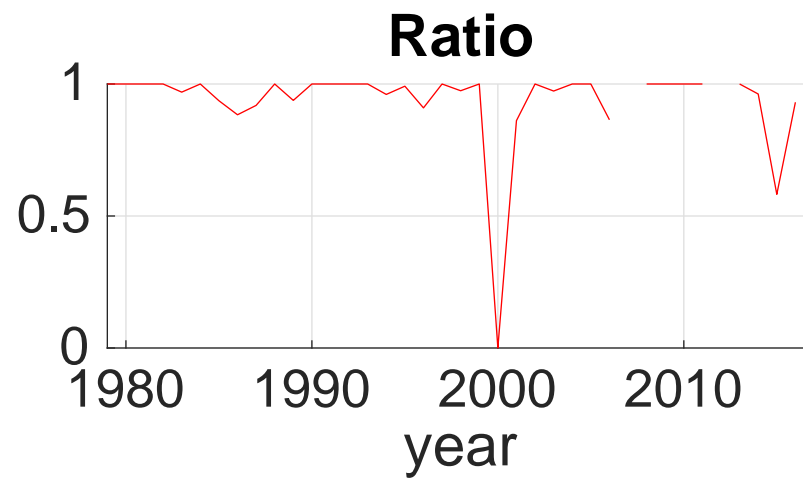
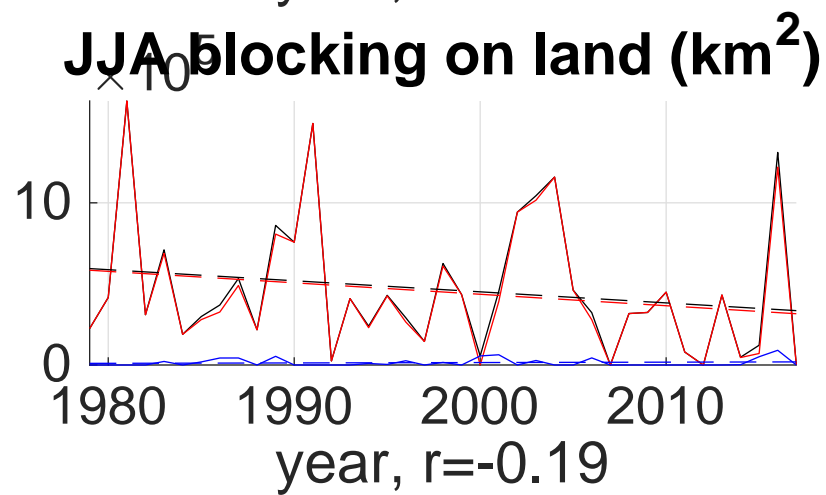
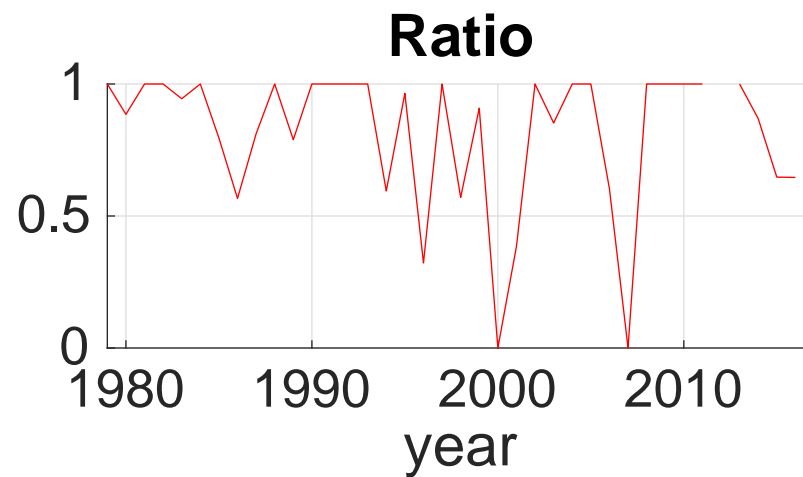
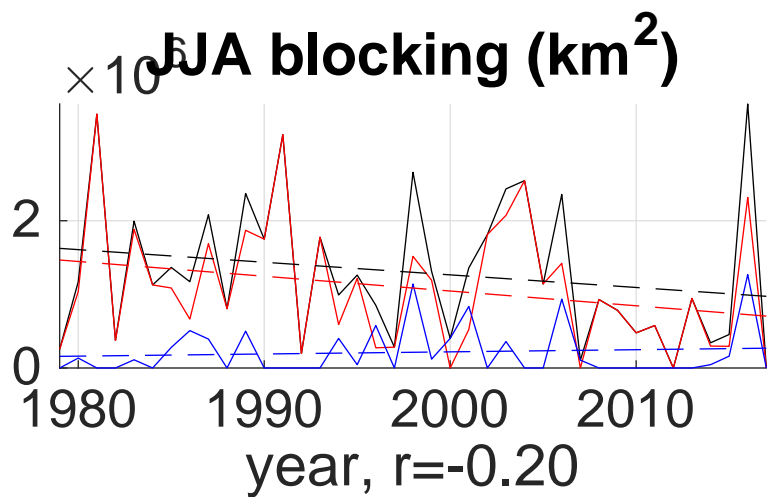


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day\*11yr  
 JJA blocking trends (%/30yr)    matched blocking trends    unmatched blocking trends

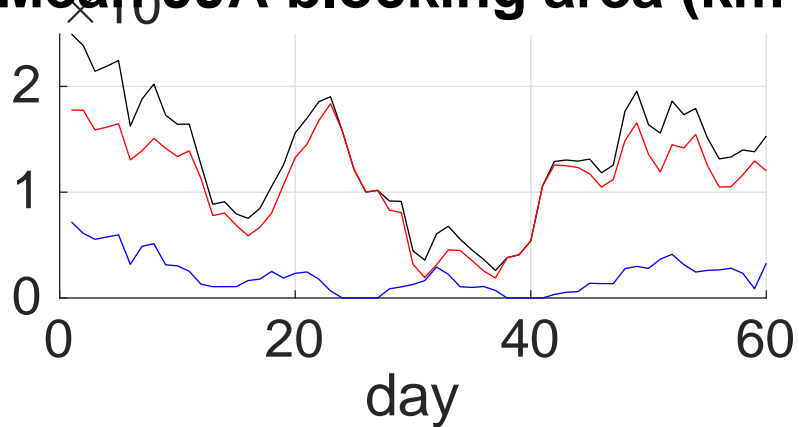


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day\*11yr  
 JJA extreme trends (%/30yr)    matched extreme trends    unmatched extreme trends

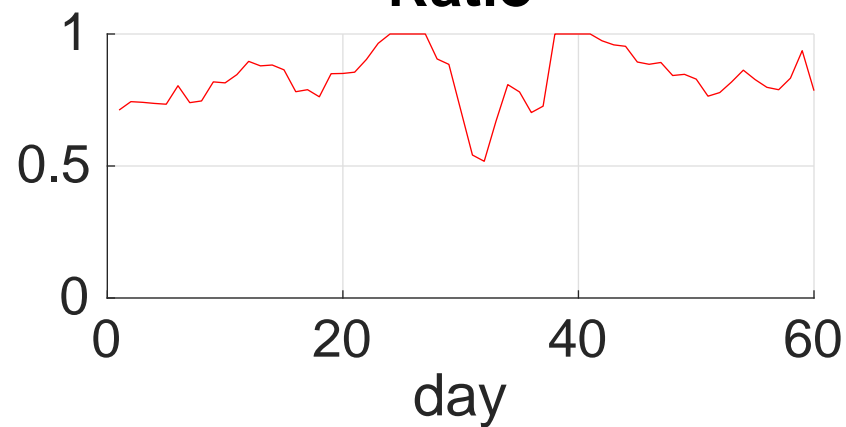




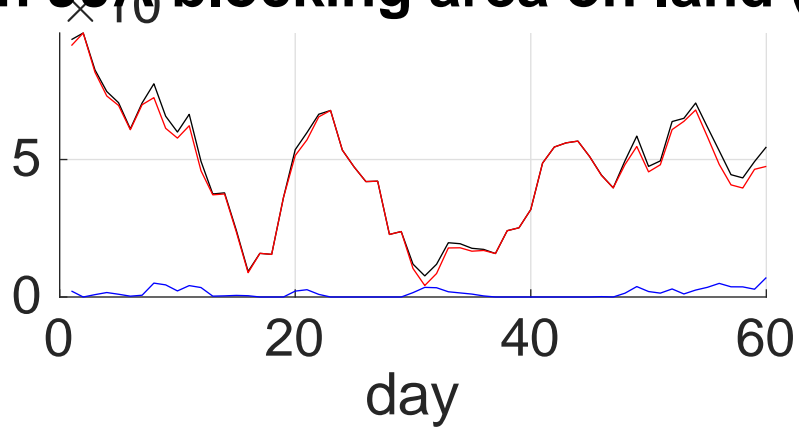
**Mean JJA blocking area (km<sup>2</sup>)**



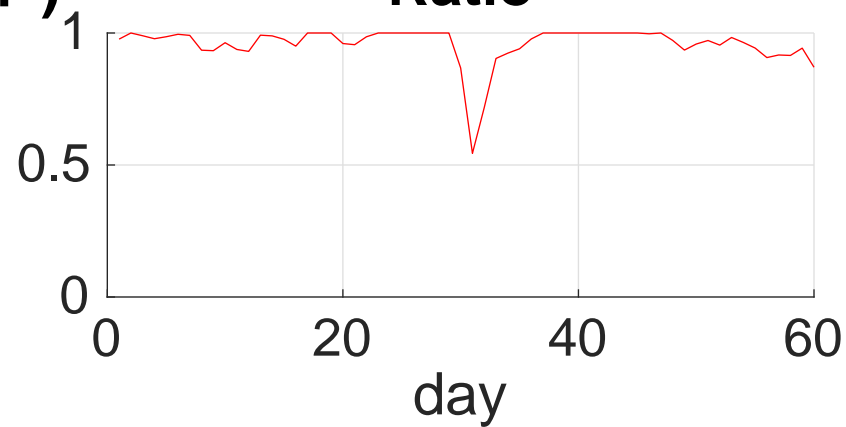
**Ratio**



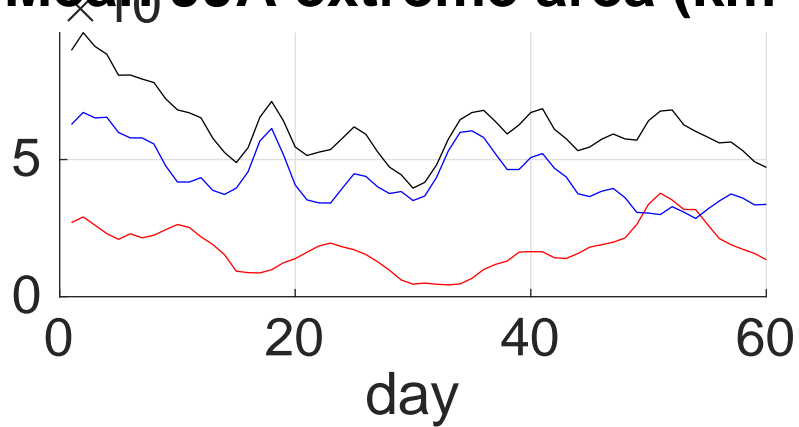
**Mean JJA blocking area on land (km<sup>2</sup>)**



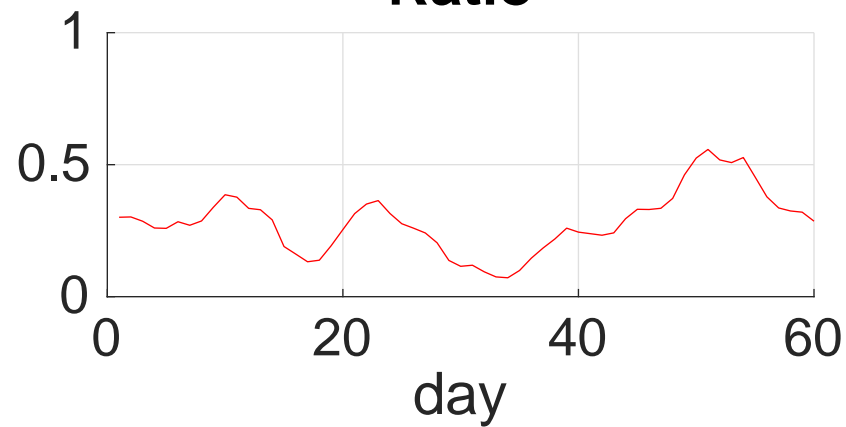
**Ratio**



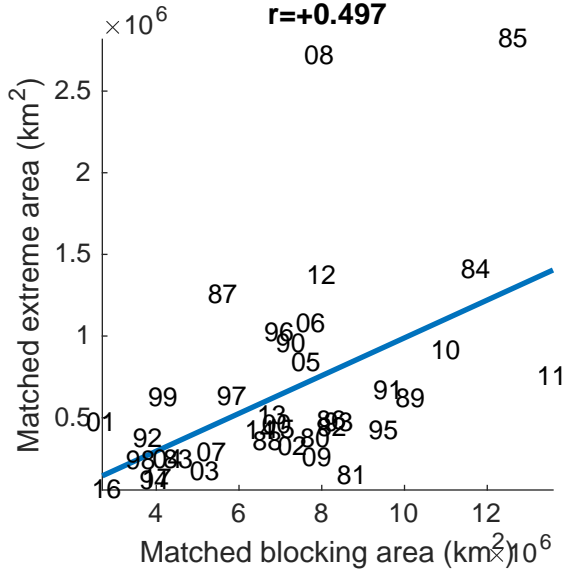
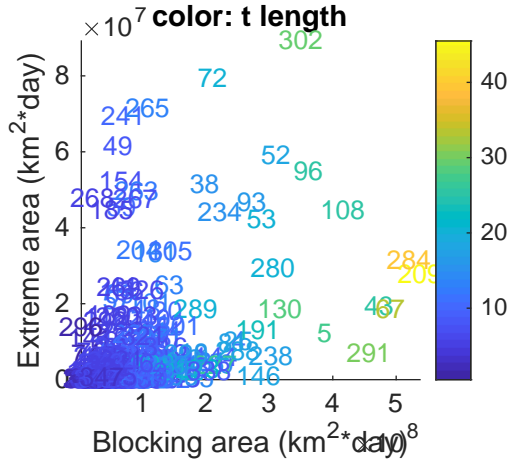
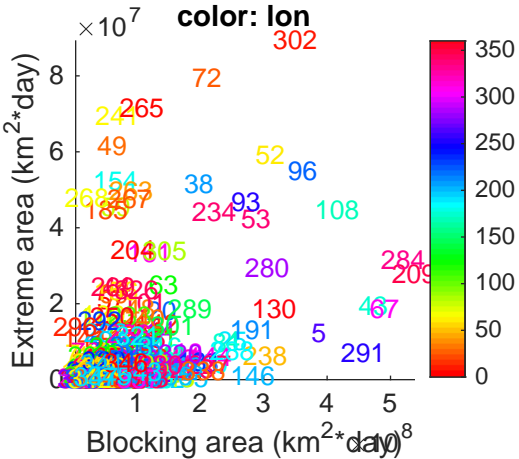
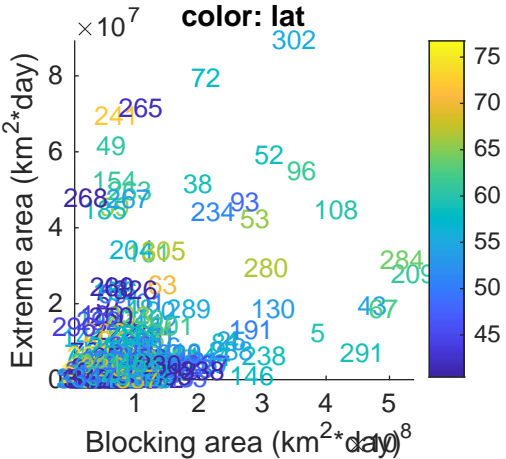
**Mean JJA extreme area (km<sup>2</sup>)**



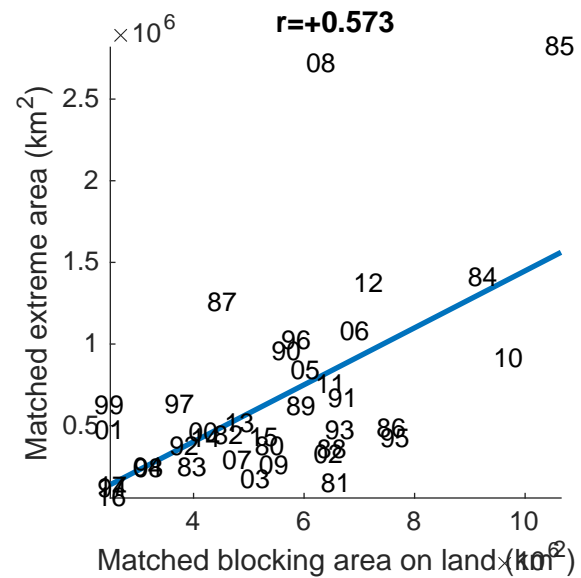
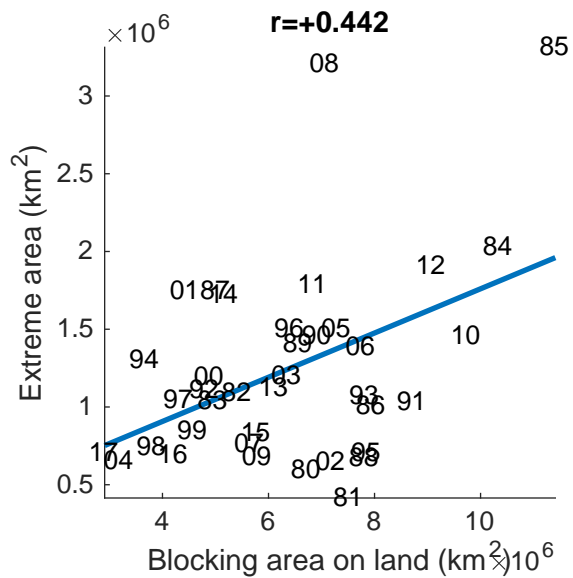
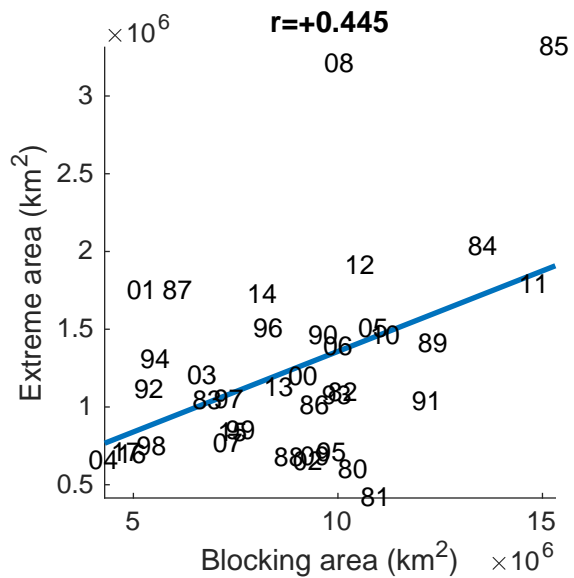
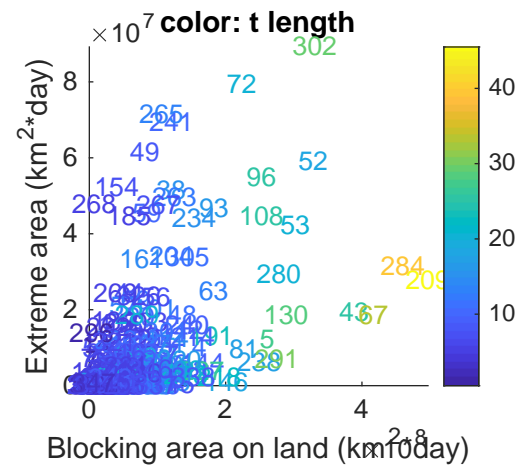
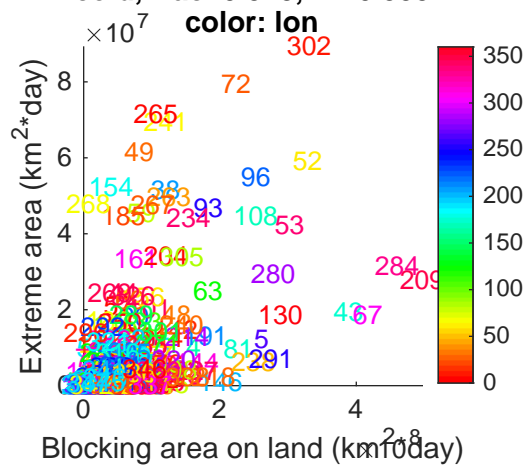
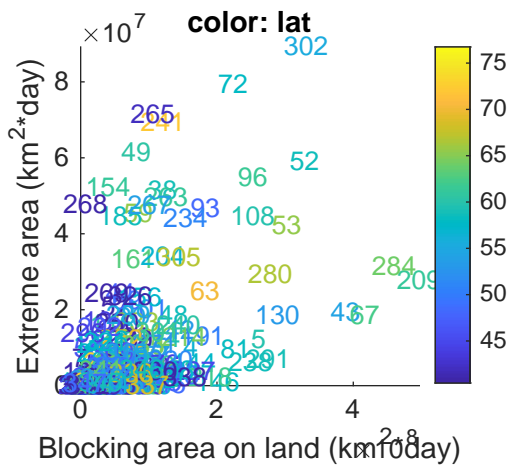
**Ratio**



**cold, frac=0.528, r=+0.437**

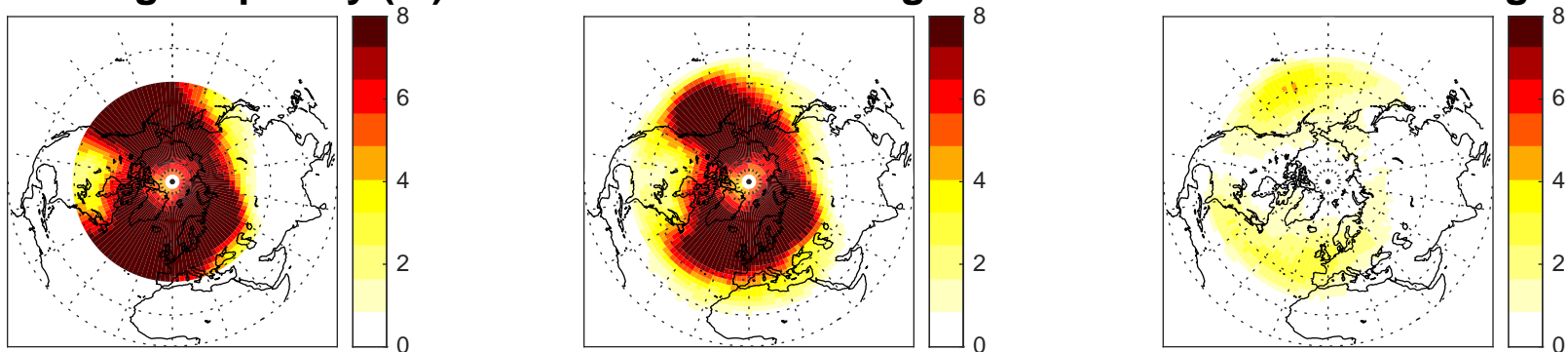


**0a13: D13, psi500, D=5,astd40-90N,S=2.5e+06,A=1.5 15/15day\*11yr  
cold, frac=0.528, r=+0.533**

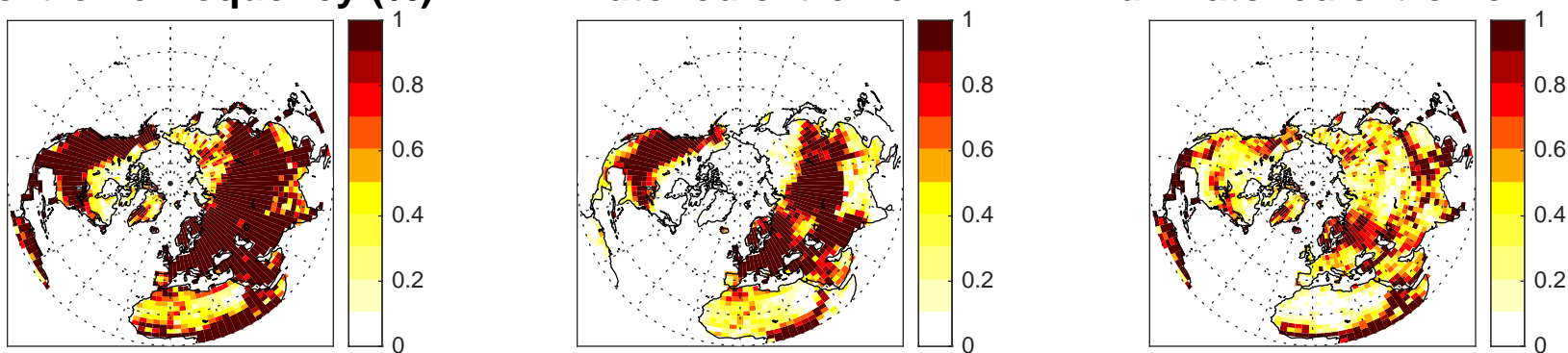




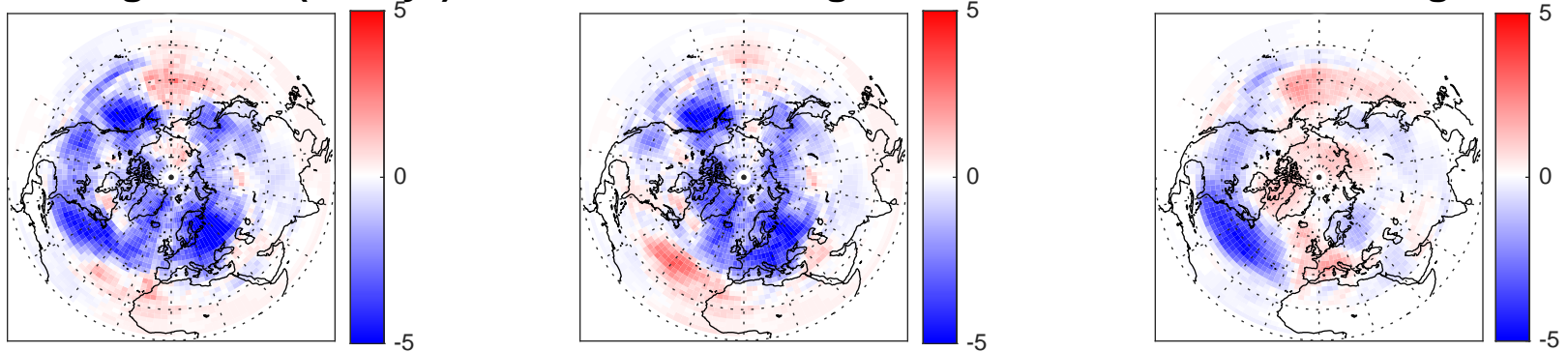
**0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day\*11yr**  
**DJF blocking frequency (%)**      **matched blocking**      **unmatched blocking**



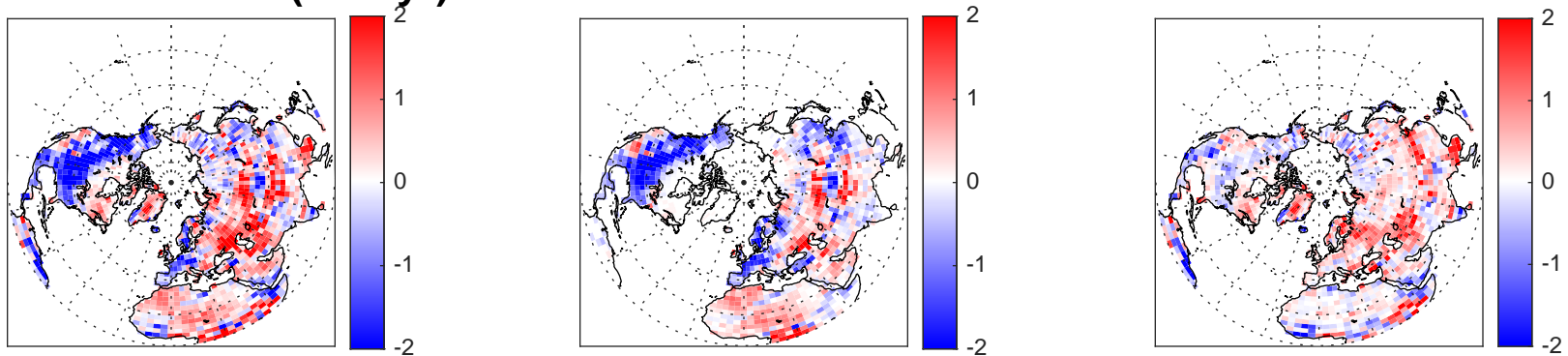
**x918: Extreme, 15/15day\*11yr, 2.3localstd 0K 50lat**  
**DJF extreme frequency (%)**      **matched extreme**      **unmatched extreme**

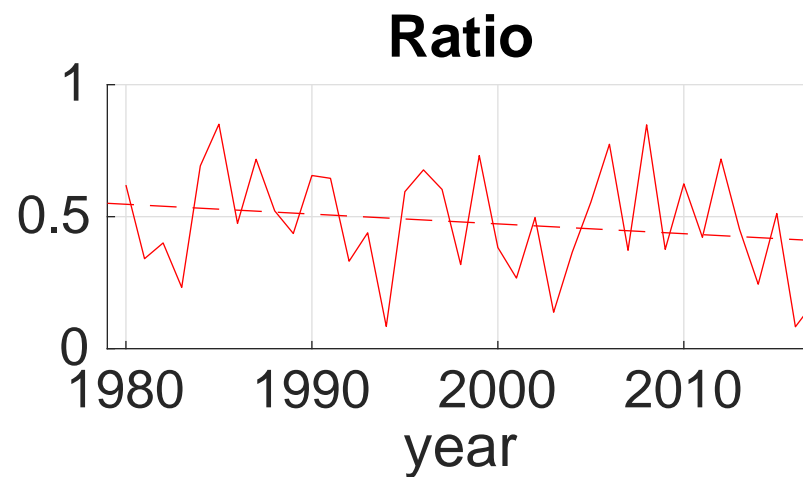
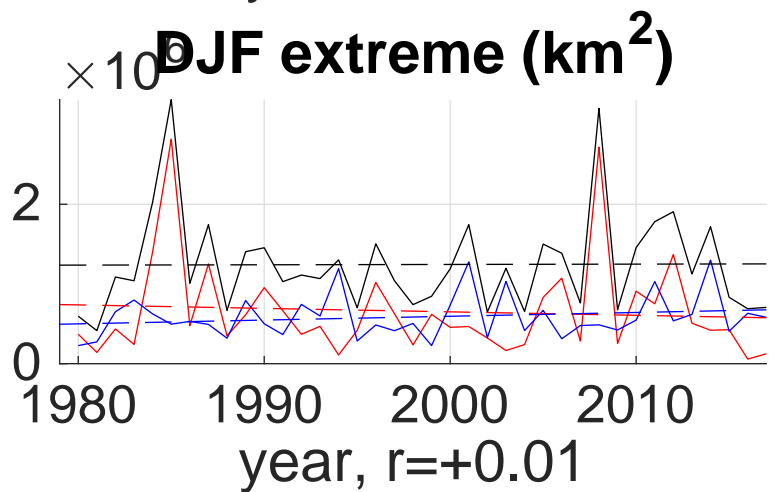
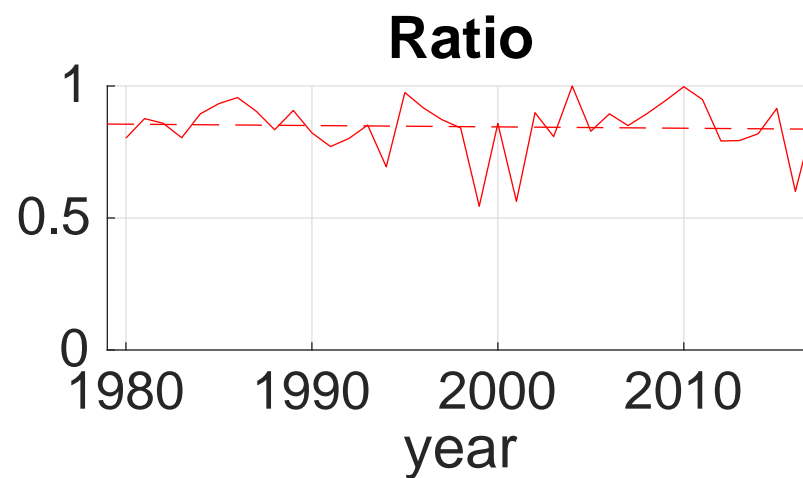
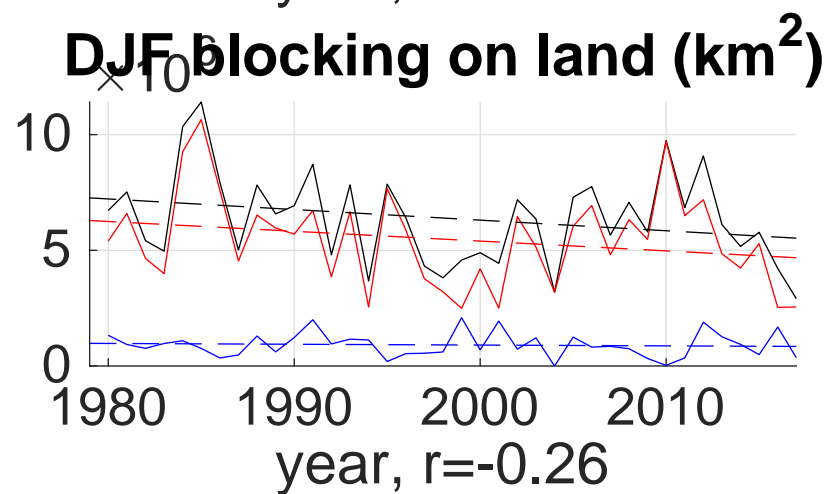
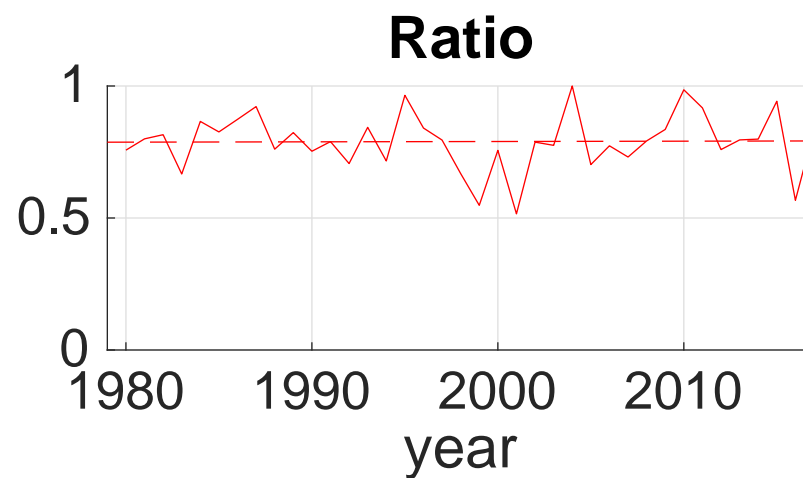
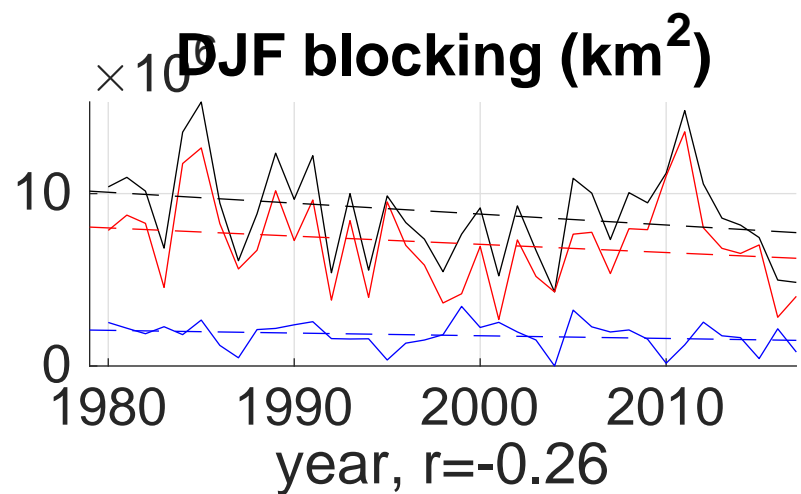


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day\*11yr  
 DJF blocking trends (%/30yr)    matched blocking trends    unmatched blocking trends

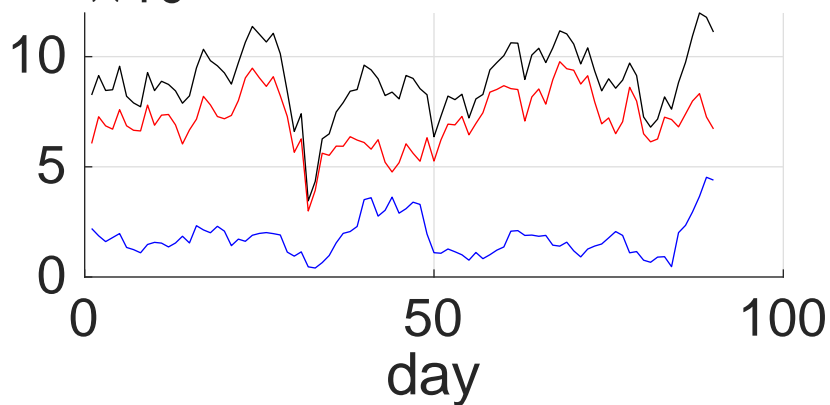


0a13: D13, psi500, D=5, astd40-90N, S=2.5e+06, A=1.5 15/15day\*11yr  
 DJF extreme trends (%/30yr)    matched extreme trends    unmatched extreme trends

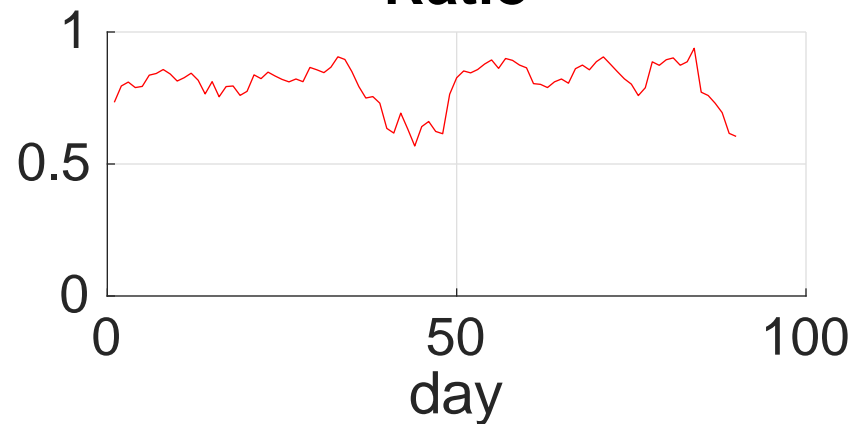




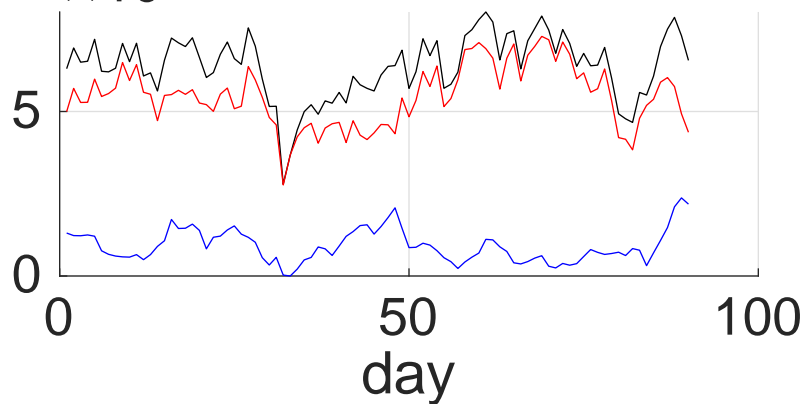
**Mean DJF blocking area (km<sup>2</sup>)**



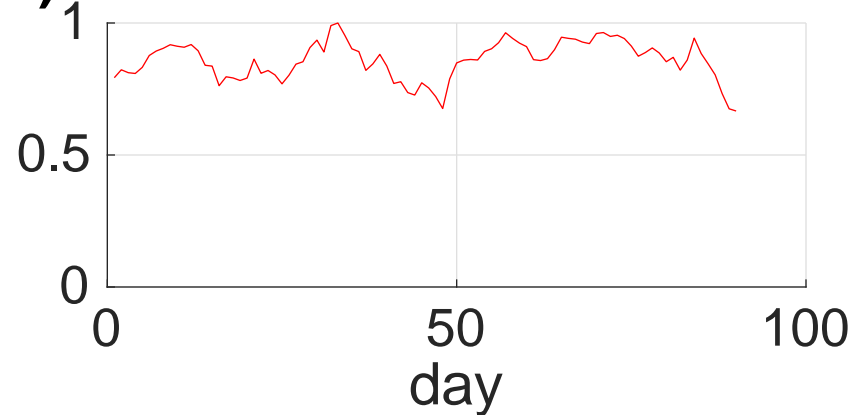
**Ratio**



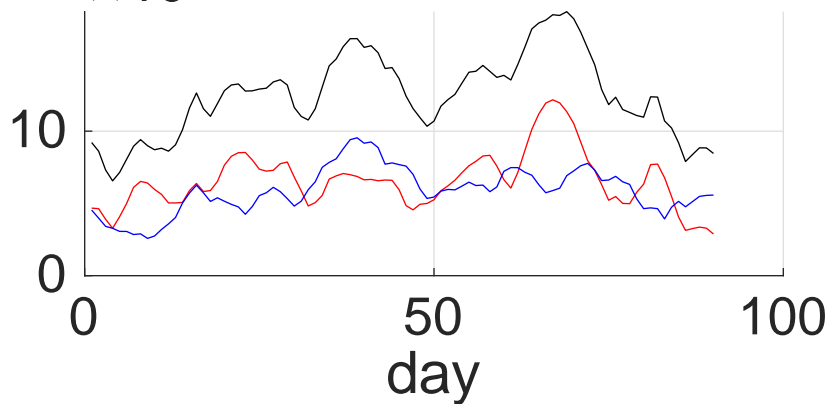
**Mean DJF blocking area on land (km<sup>2</sup>)**



**Ratio**



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



**Ratio**

