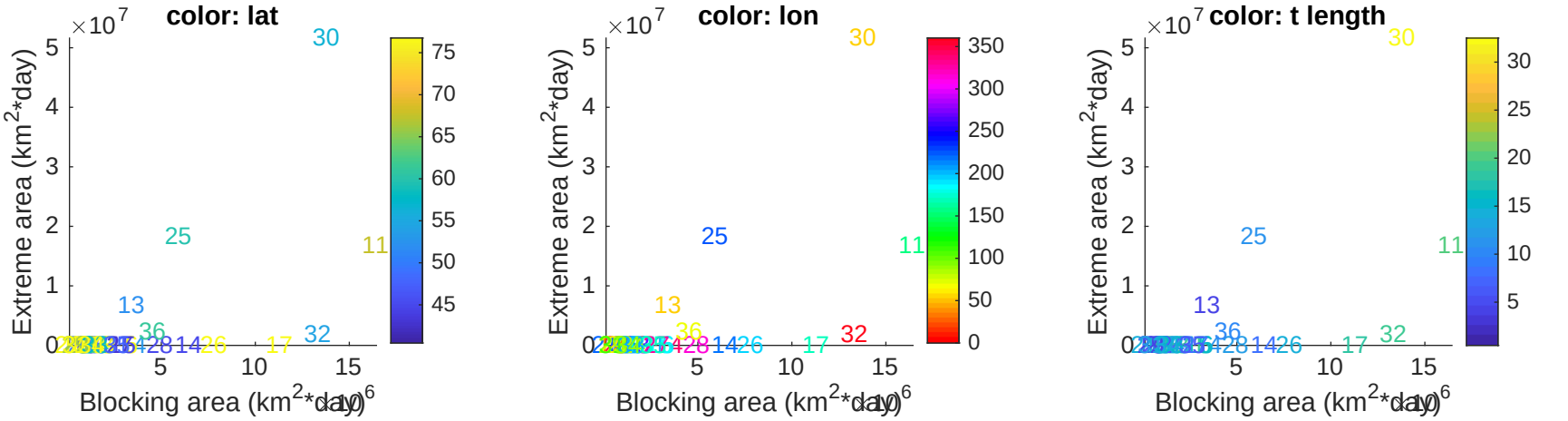
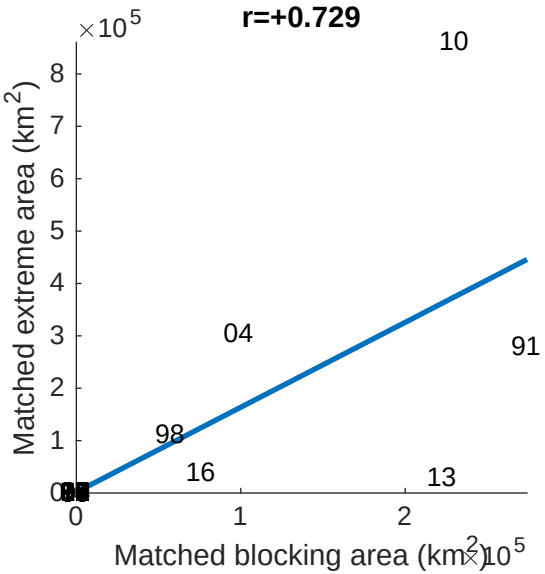
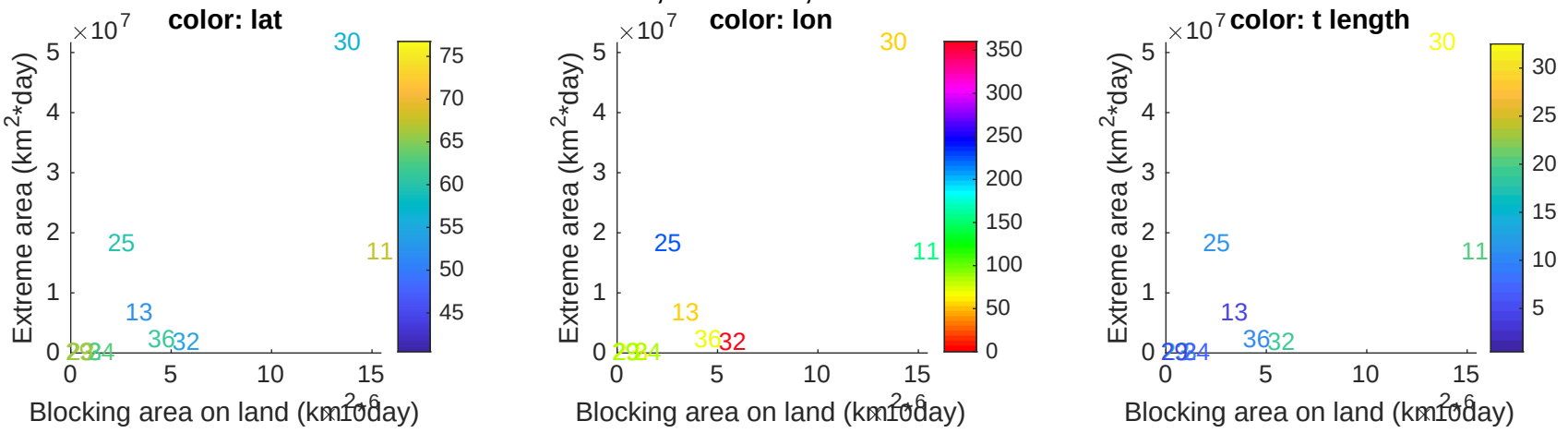
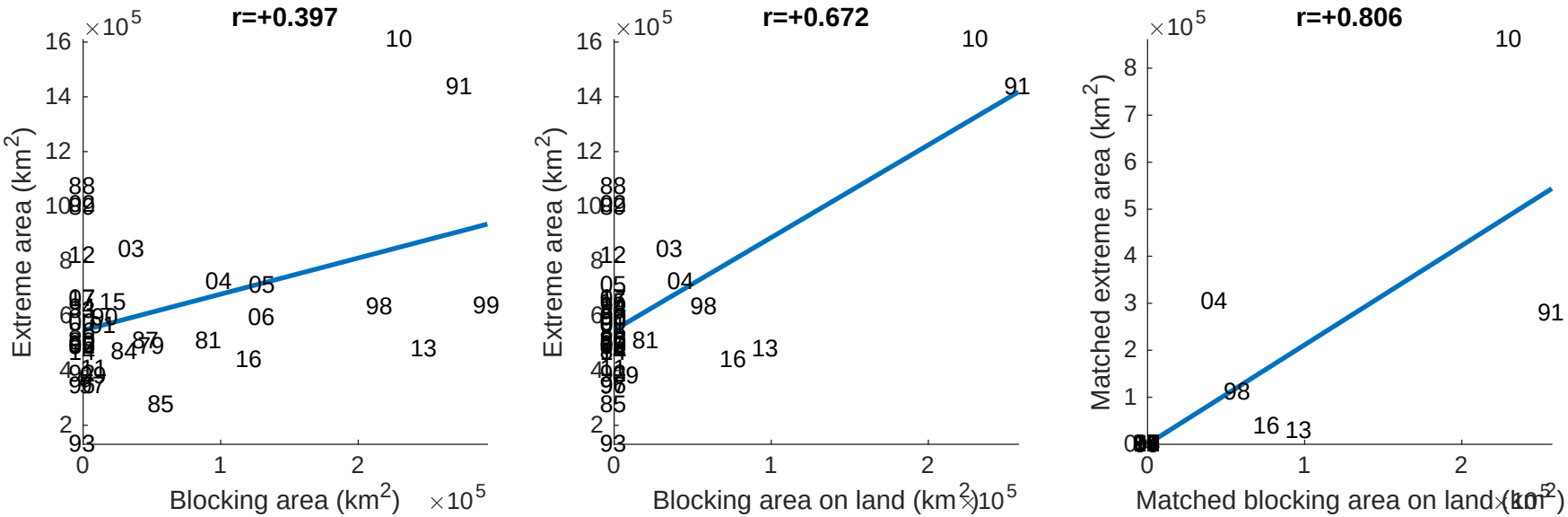
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr
hot, frac=0.067, r=+0.597





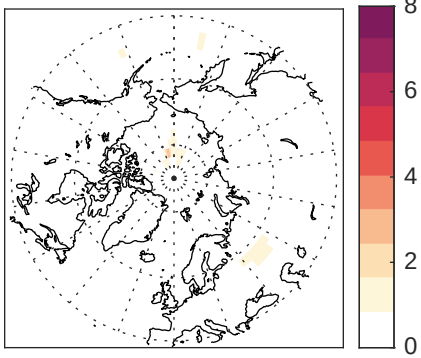
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr
hot, frac=0.067, r=+0.801



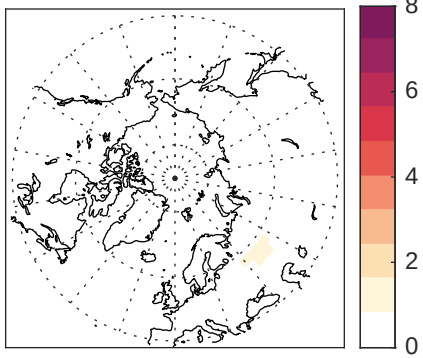


2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

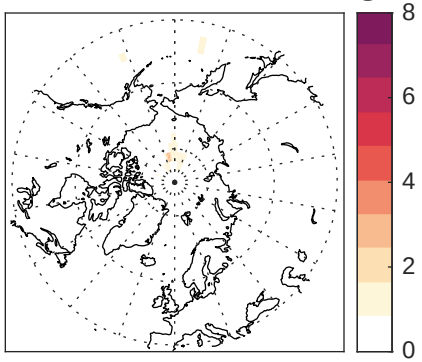
JJA blocking frequency (%)



matched blocking

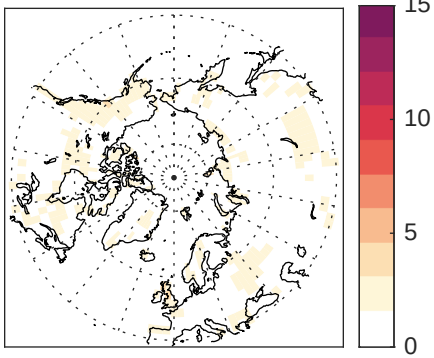


unmatched blocking

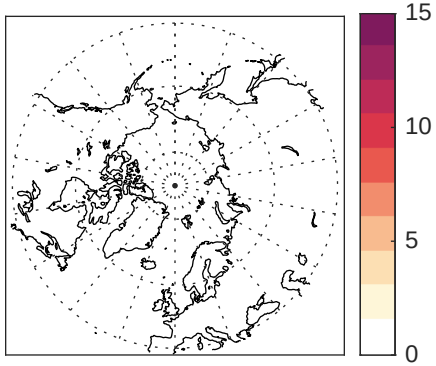


x918: Extreme, 15/15day*11yr, 2.3localstd 0K 50lat

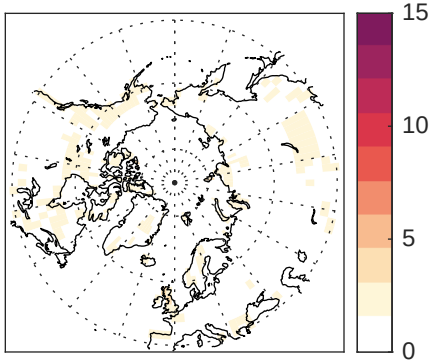
JJA extreme frequency (%)



matched extreme

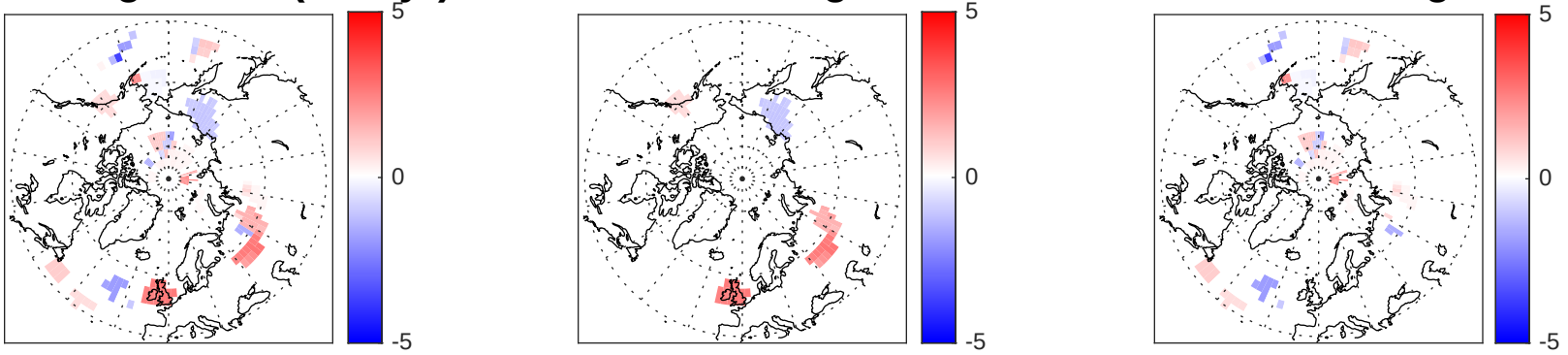


unmatched extreme



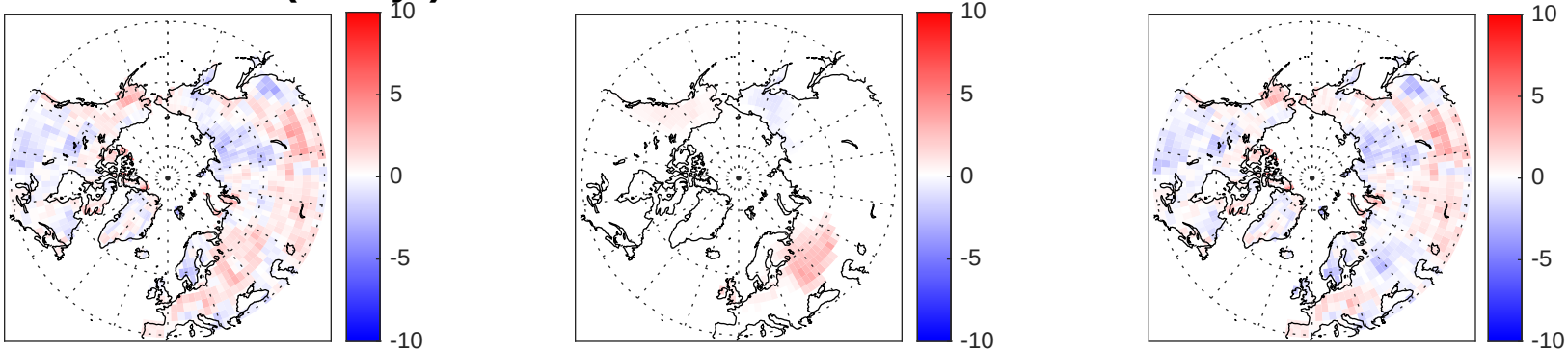
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

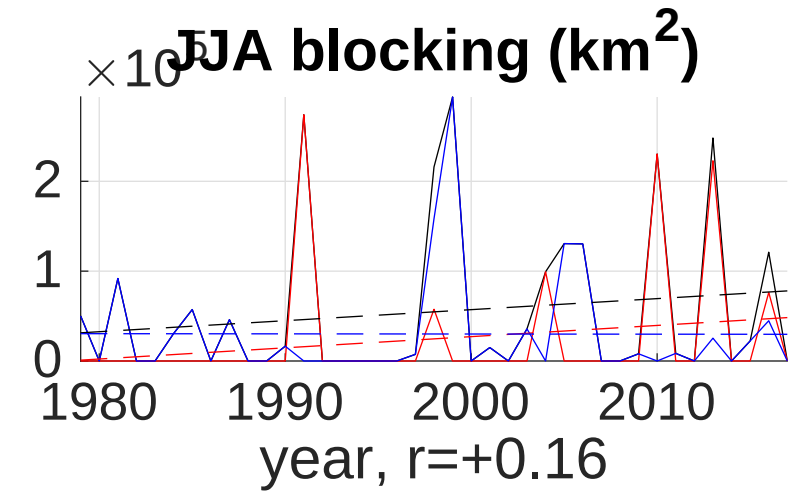
JJA blocking trends (%/30yr) matched blocking trends unmatched blocking trends

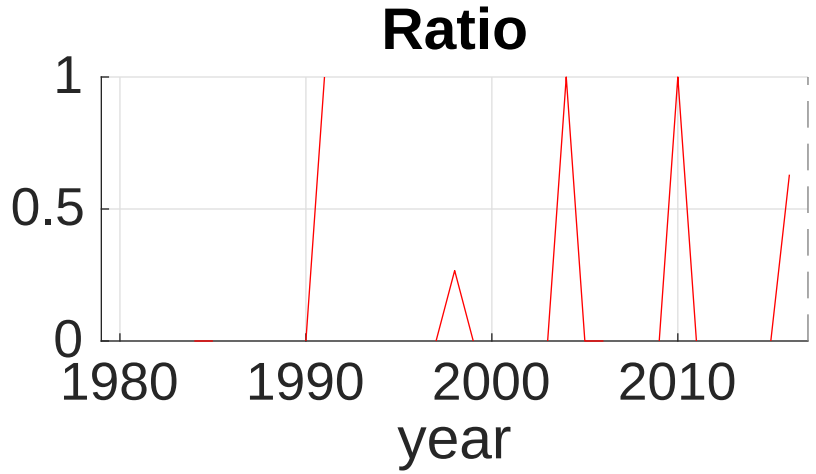


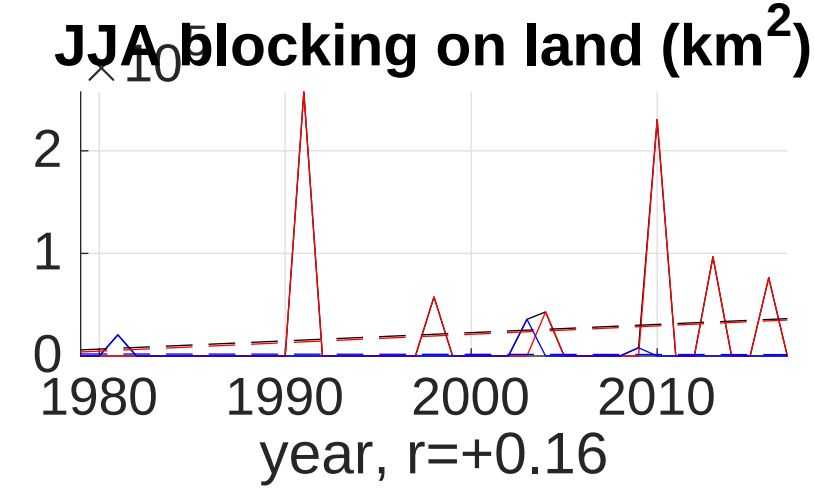
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

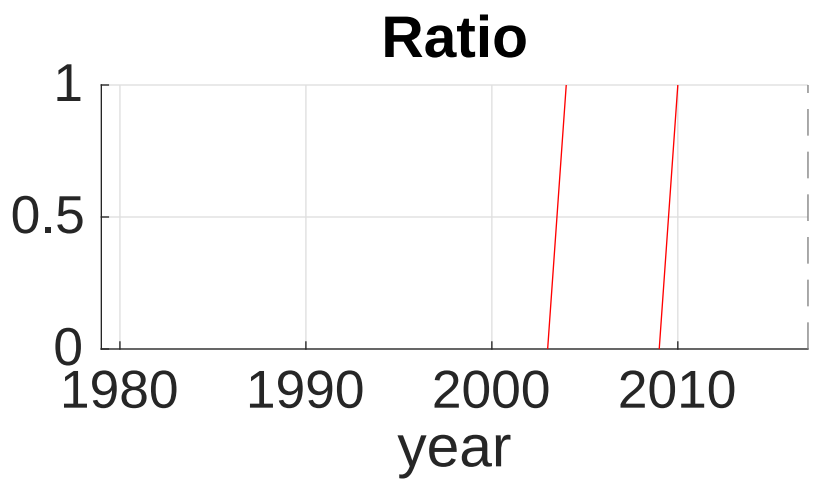
JJA extreme trends (%/30yr) matched extreme trends unmatched extreme trends

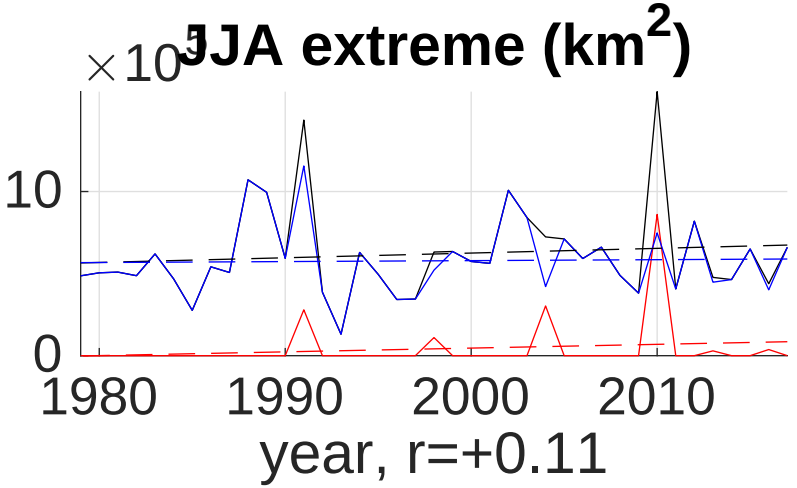


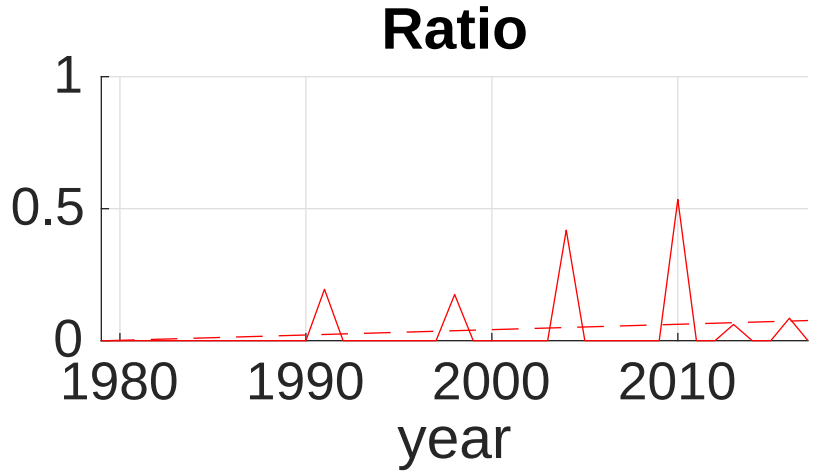

JJA blocking (km2)
×10^5
2
1
0
1980
1990
2000
2010
year, r=+0.16


Ratio
1
0.5
0
1980
1990
2000
2010
year

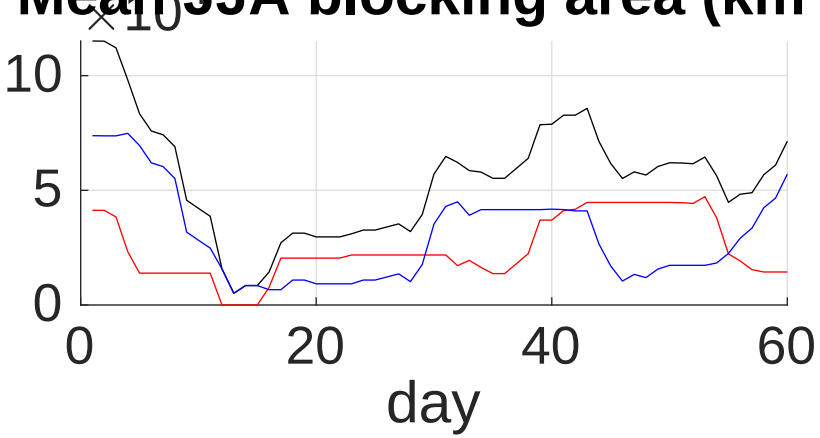

JJA blocking on land (km2)
×10^5
2
1
0
1980
1990
2000
2010
year, r=+0.16


Ratio
1
0.5
0
1980
1990
2000
2010
year

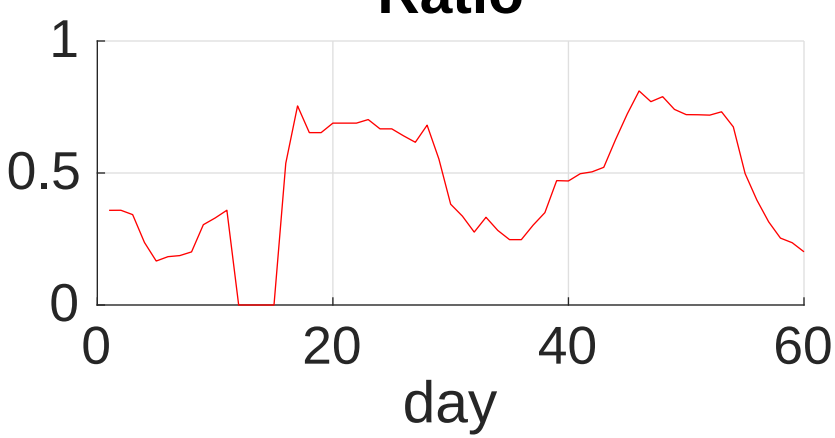

JJA extreme (km2)
×10^5
10
0
1980
1990
2000
2010
year, r=+0.11


Ratio
1
0.5
0
1980
1990
2000
2010
year

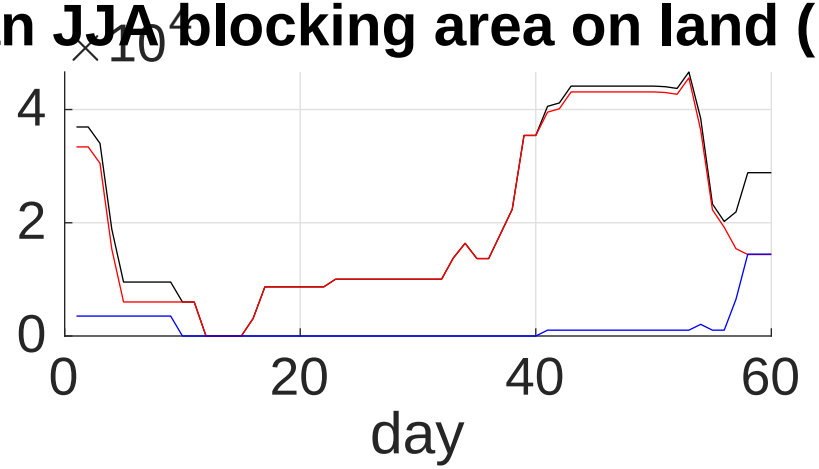
Mean JJA blocking area (km^2)



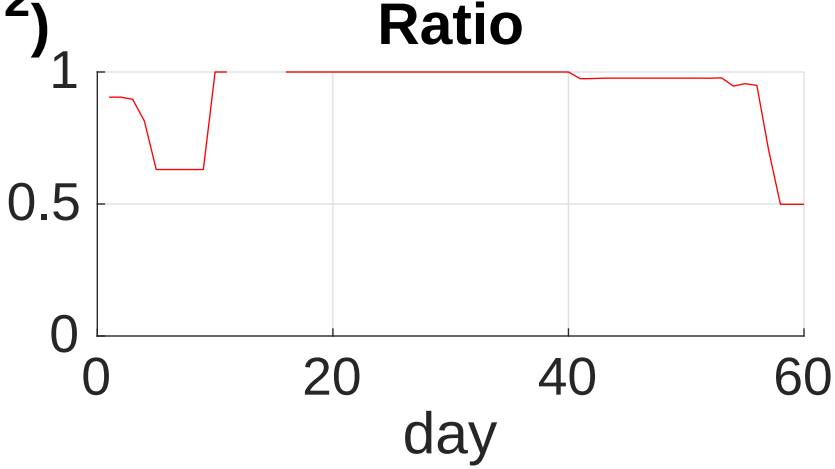
Ratio



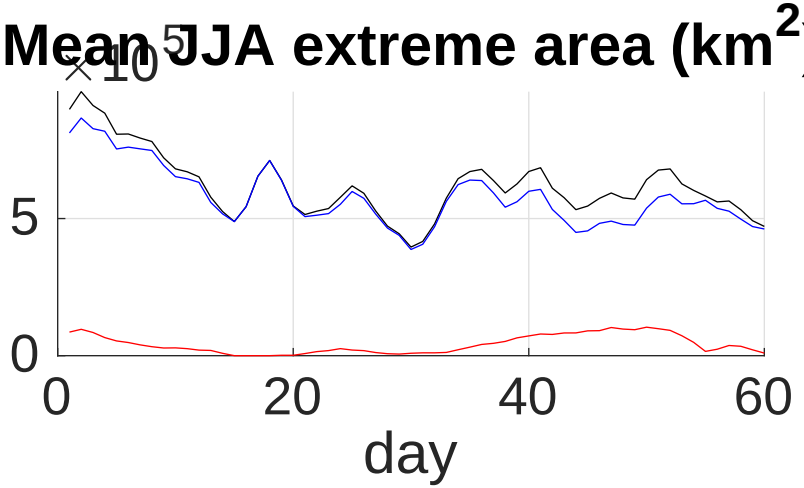
Mean JJA blocking area on land (km^2)



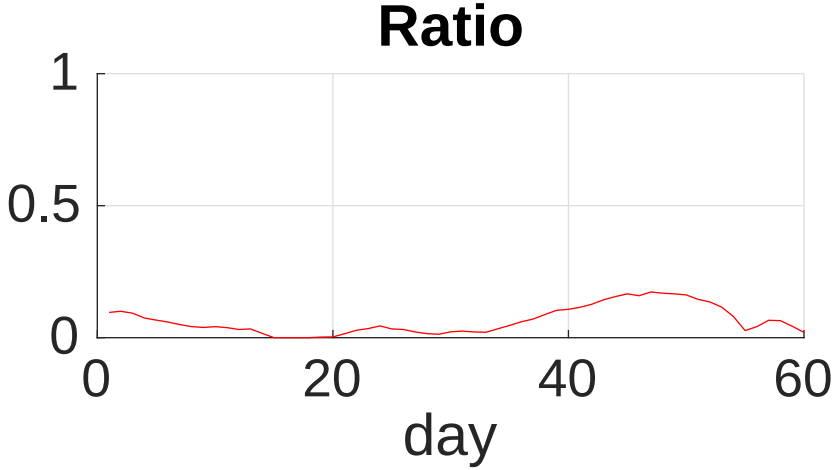
Ratio



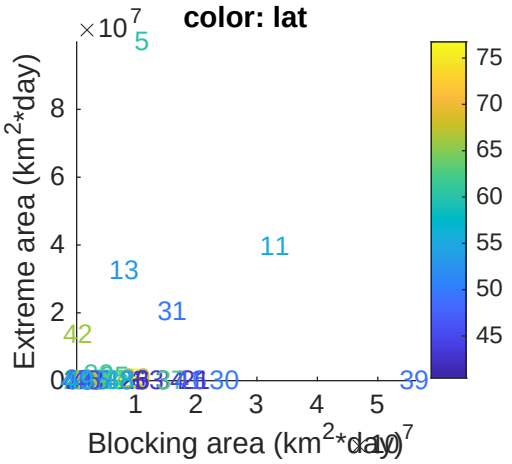
Mean JJA extreme area (km^2)

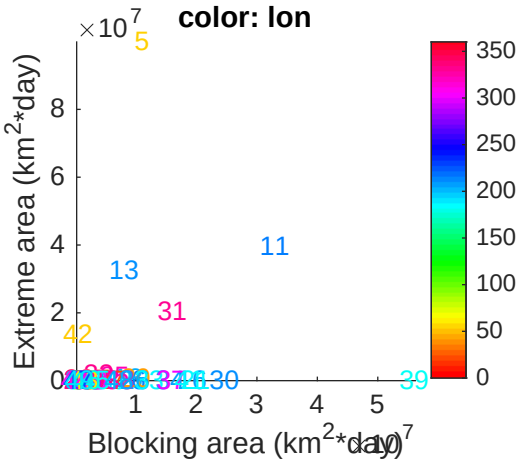


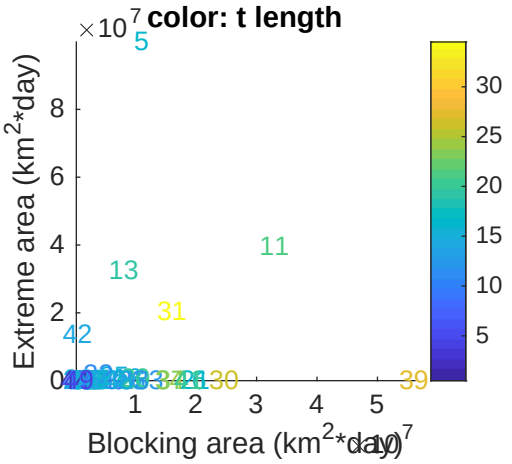
Ratio

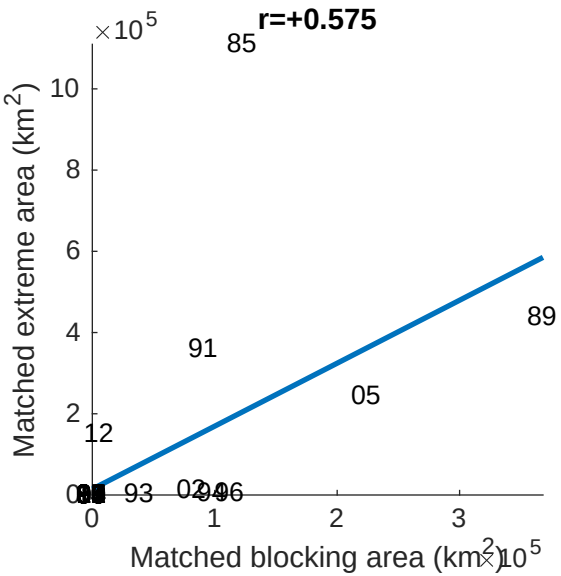


2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr
cold, frac=0.049, r=+0.182

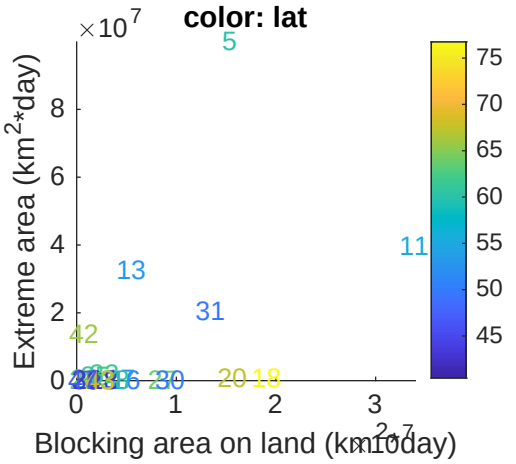


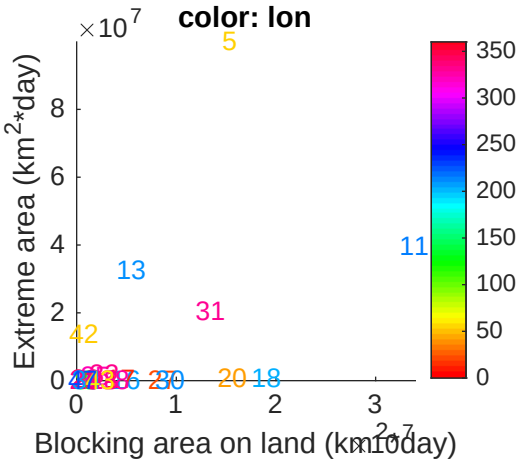


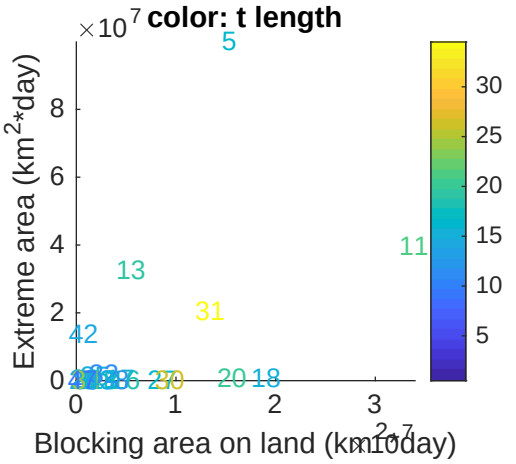


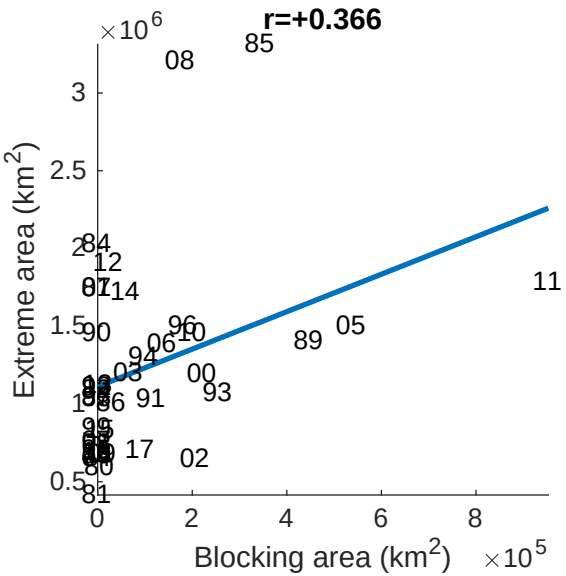


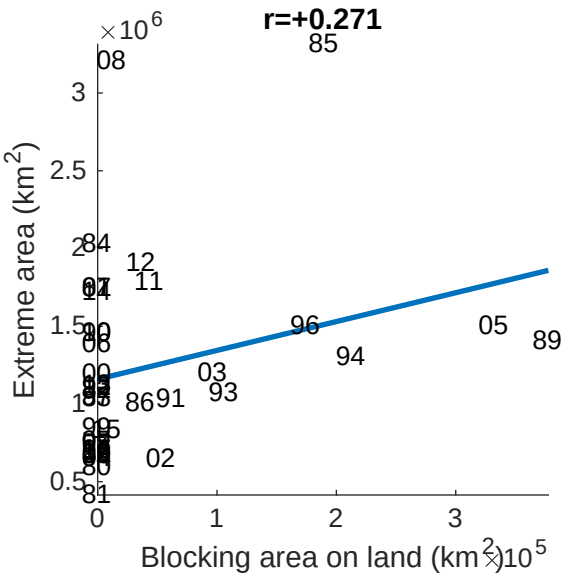
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr
cold, frac=0.049, r=+0.547

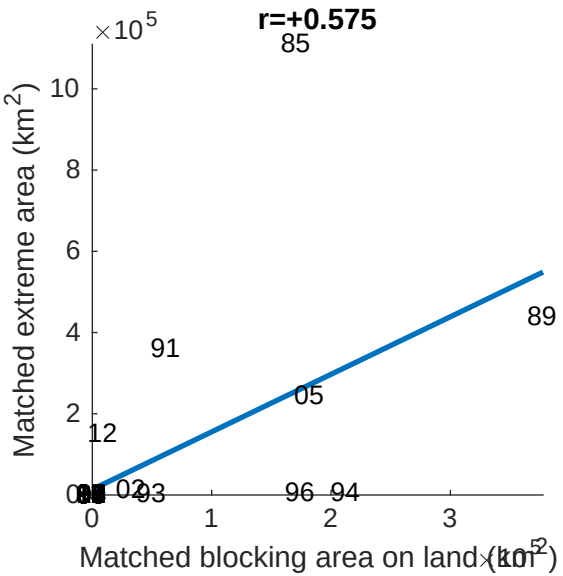






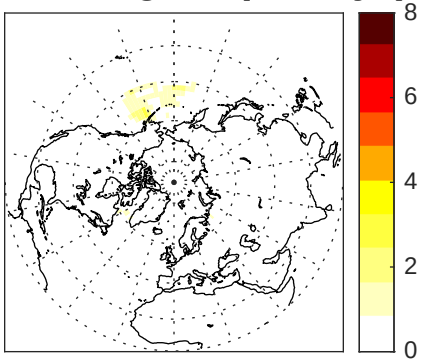




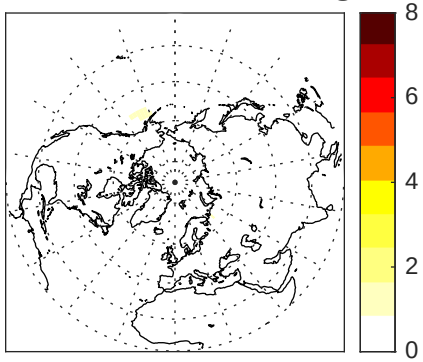


2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

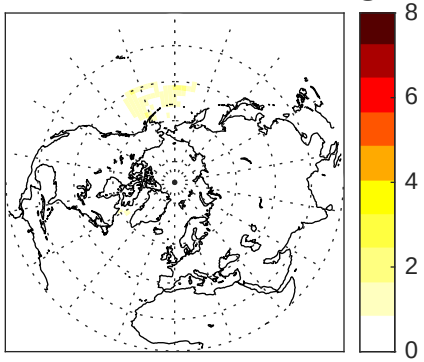
DJF blocking frequency (%)



matched blocking

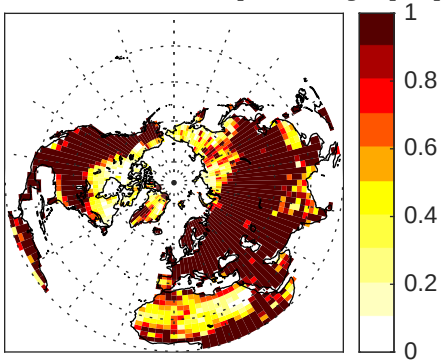


unmatched blocking

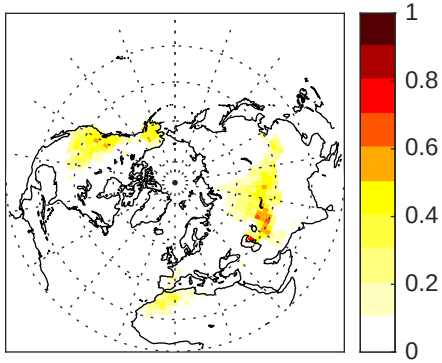


x918: Extreme, 15/15day*11yr, 2.3localstd 0K 50lat

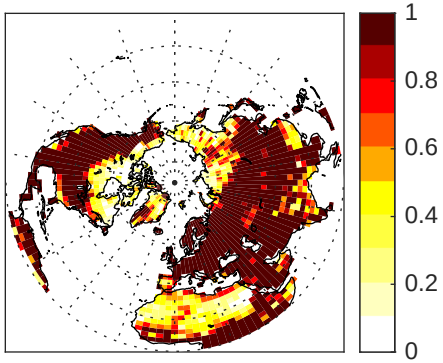
DJF extreme frequency (%)



matched extreme

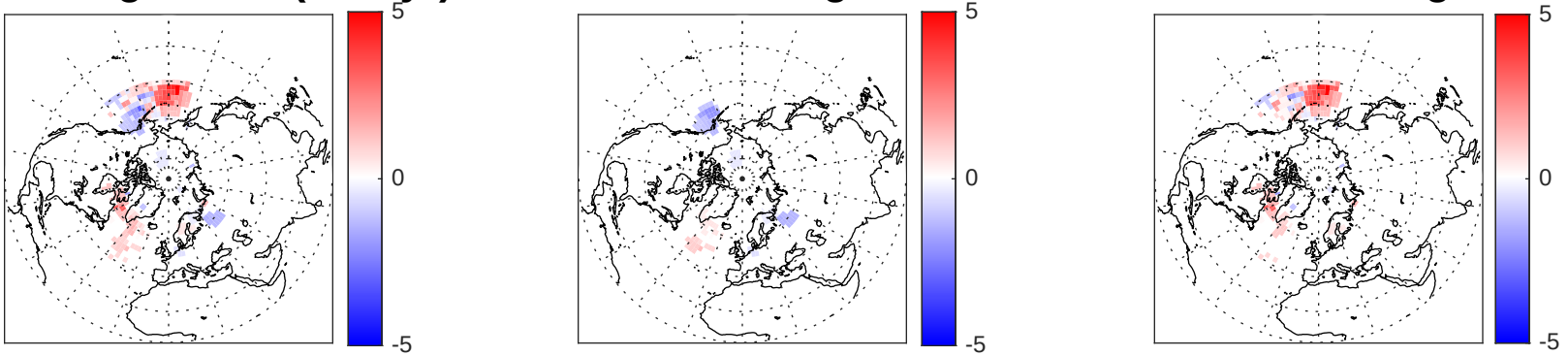


unmatched extreme



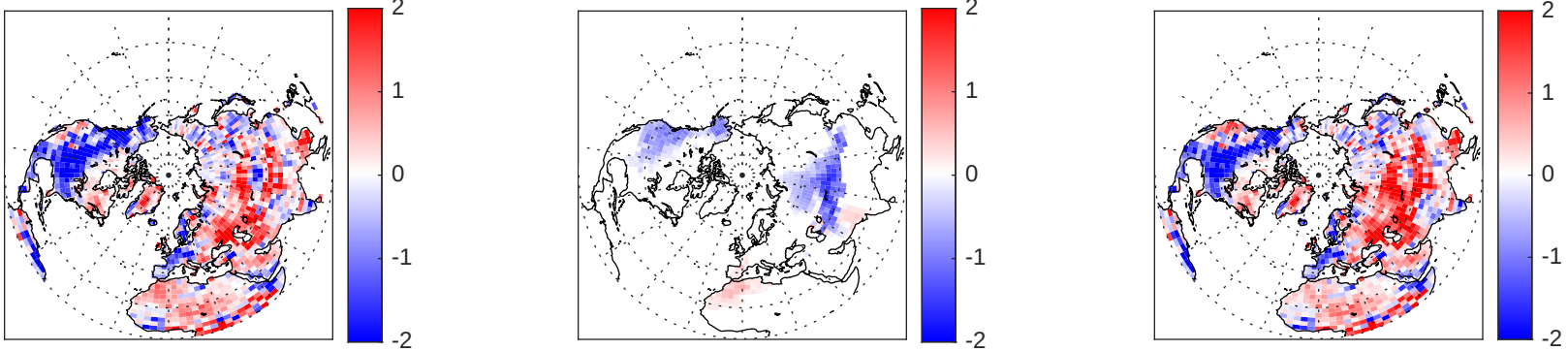
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

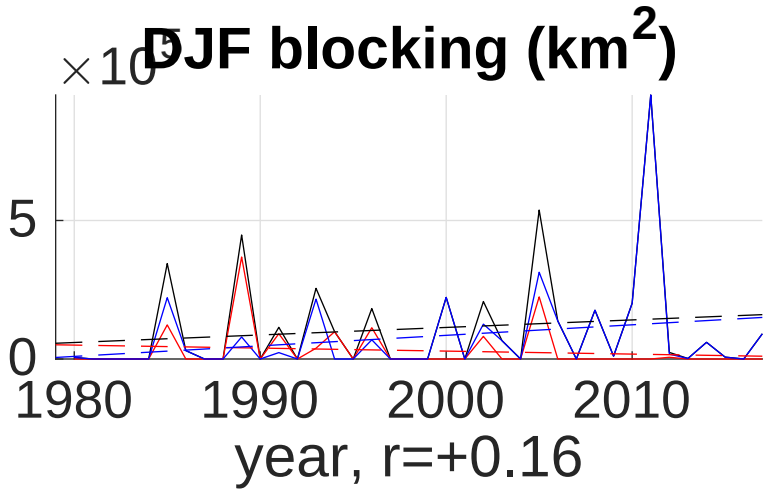
DJF blocking trends (%/30yr) matched blocking trends unmatched blocking trends

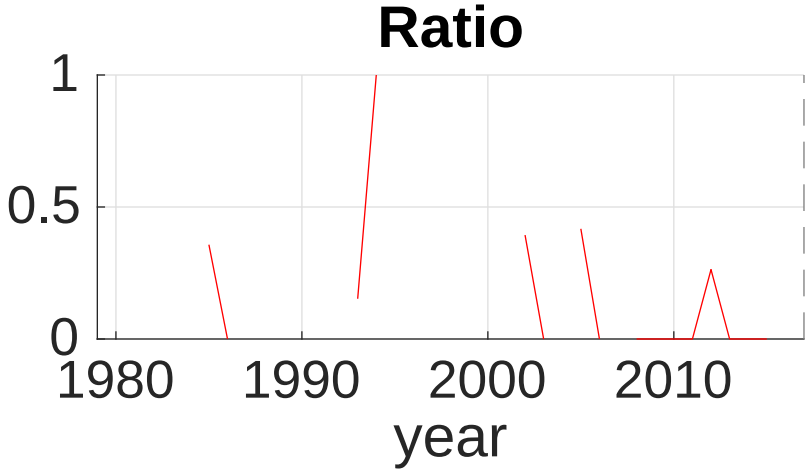


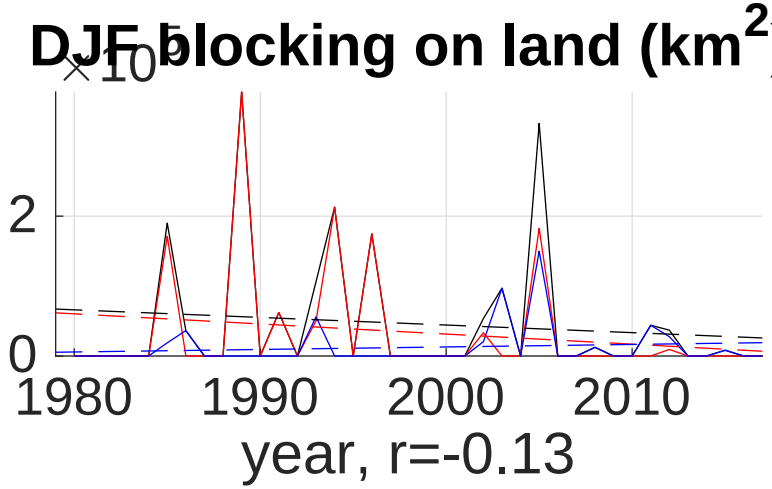
2a76: H14, psi500, D=14,astd40-90N,S=1,A=1.5 15/15day*11yr

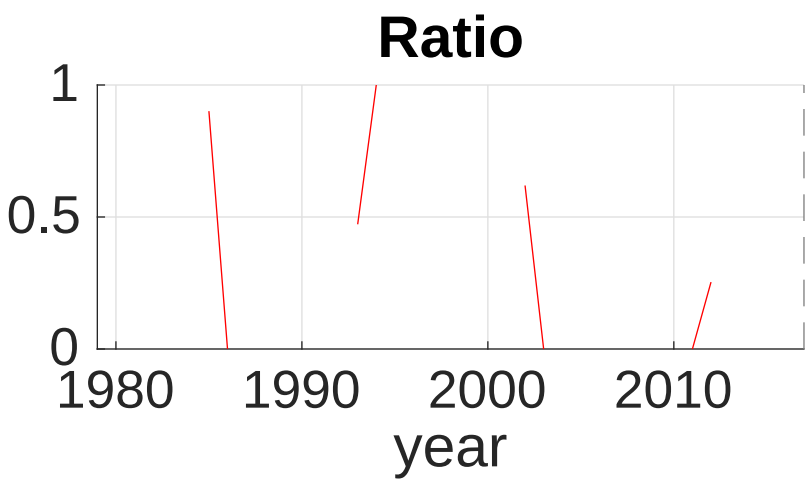
DJF extreme trends (%/30yr) matched extreme trends unmatched extreme trends

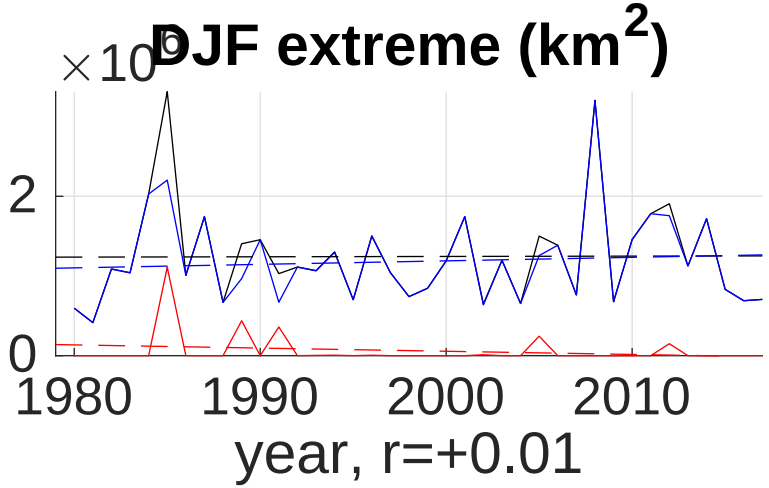


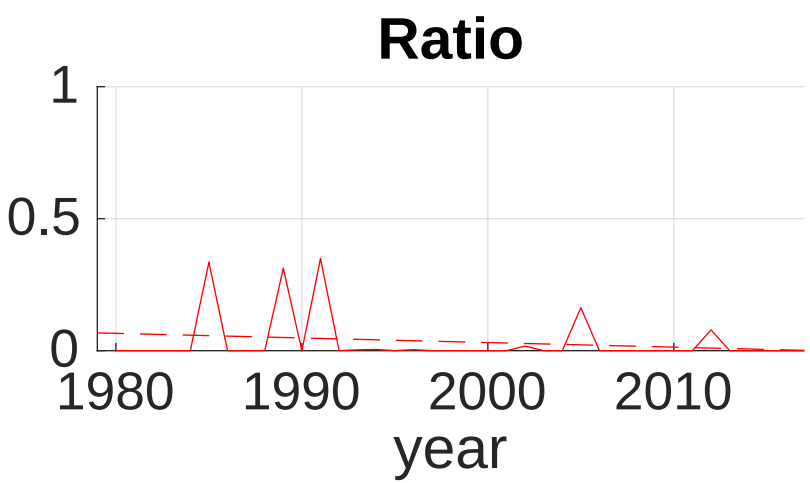

DJF blocking (km2)
×10^5
5
0
1980
1990
2000
2010
year, r=+0.16

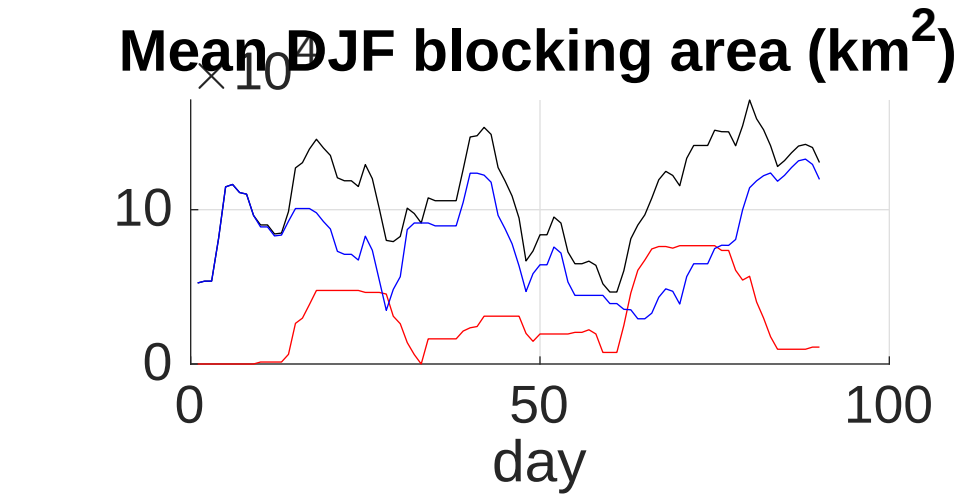

Ratio
1
0.5
0
1980
1990
2000
2010
year

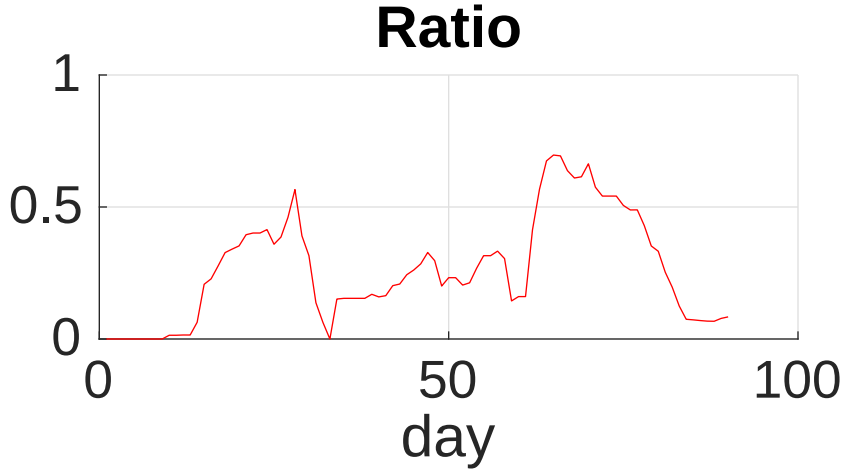

DJF blocking on land (km2)
×10^5
2
0
1980
1990
2000
2010
year, r=-0.13

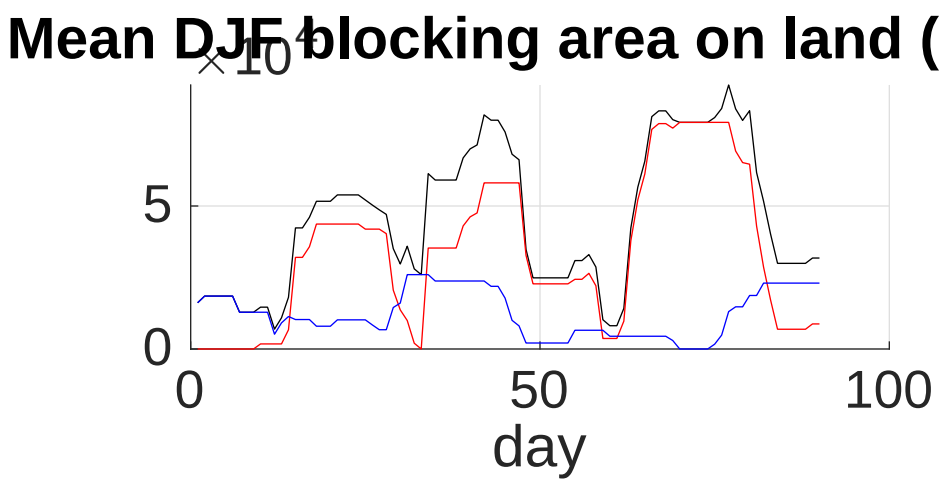

Ratio
1
0.5
0
1980
1990
2000
2010
year

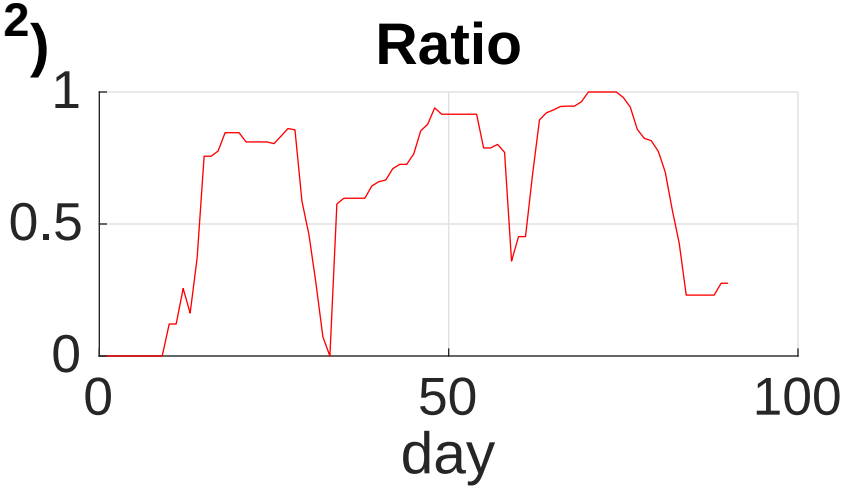

DJF extreme (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=+0.01


Ratio
1
0.5
0
1980
1990
2000
2010
year


Mean DJF blocking area (km2)
×10^4
10
0
0
50
100
day


Ratio
1
0.5
0
0
50
100
day


Mean DJF blocking area on land (km2)
×10^4
5
0
0
50
100
day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0.5
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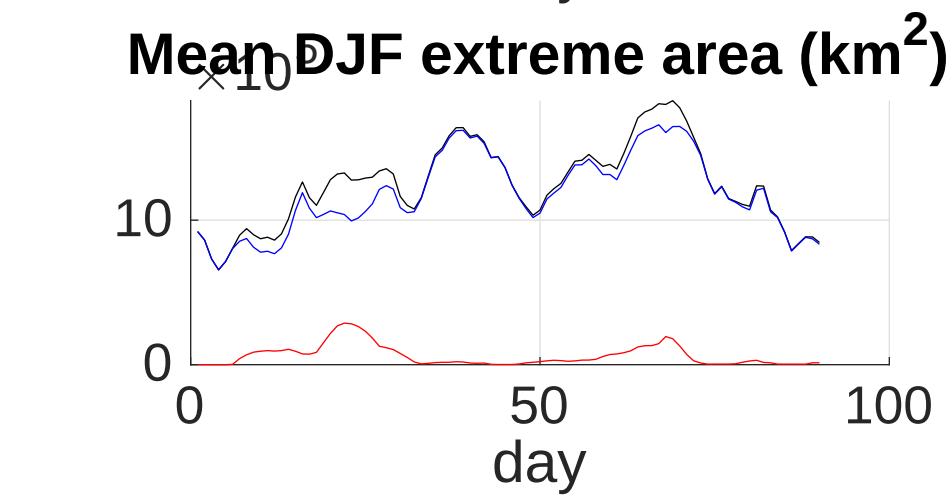
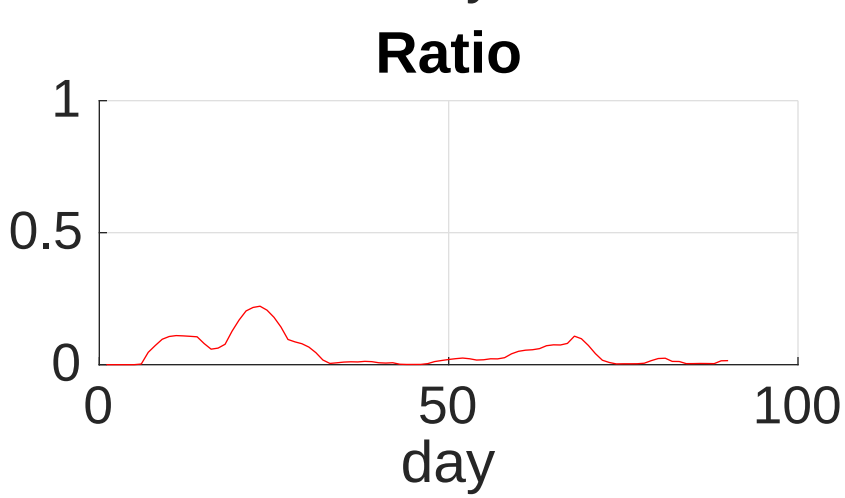
50
100
day


Mean DJF extreme area (km2)
×10^4
10
0
0
50
100
day


Ratio
1
0.5
0
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50
100
day