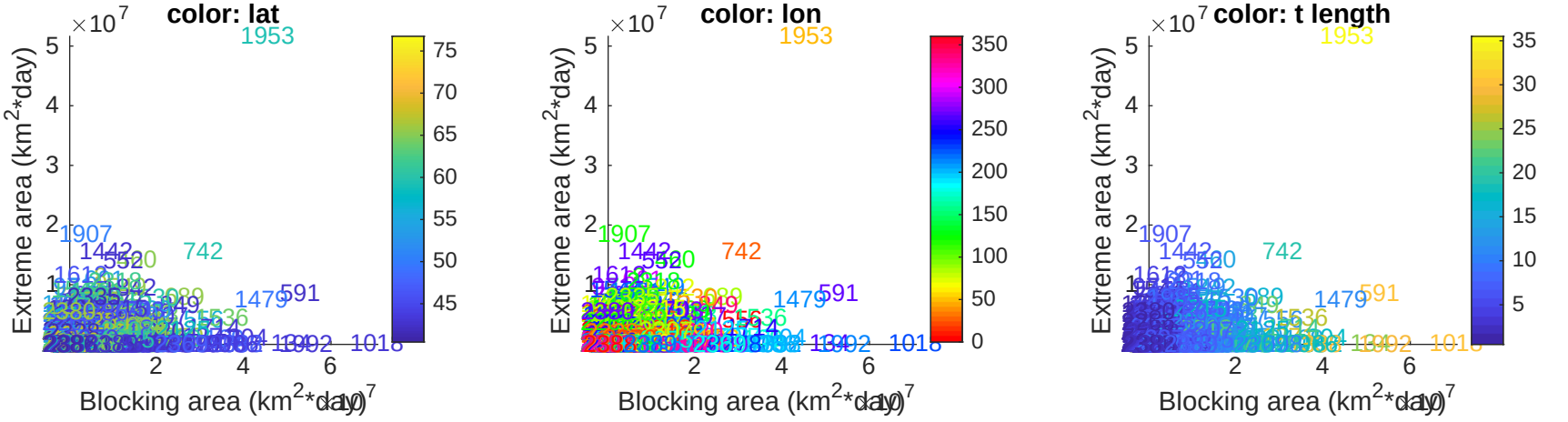
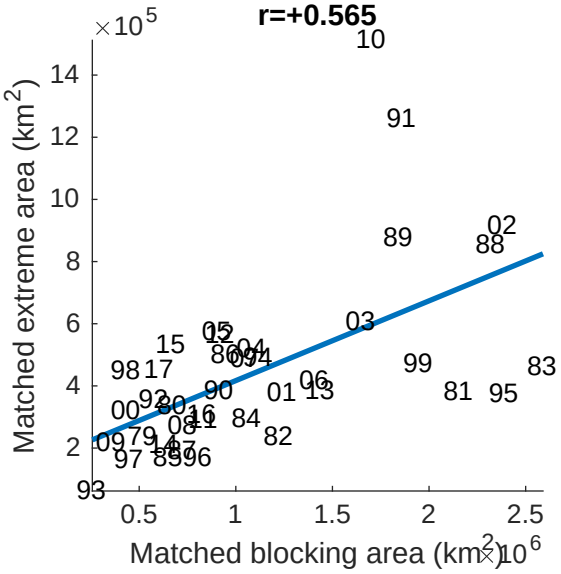
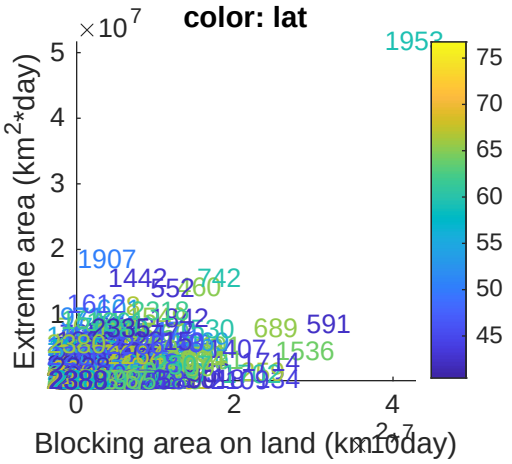
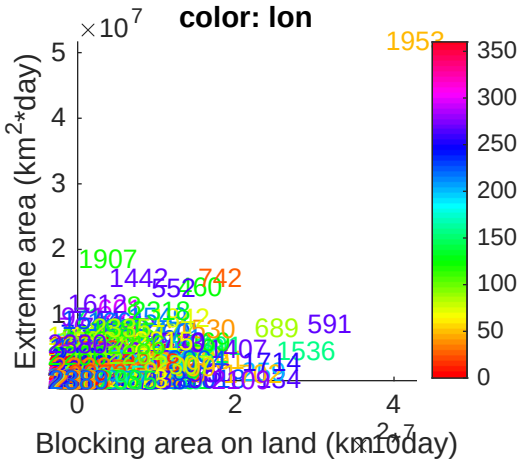
4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7
hot, frac=0.731, r=+0.331

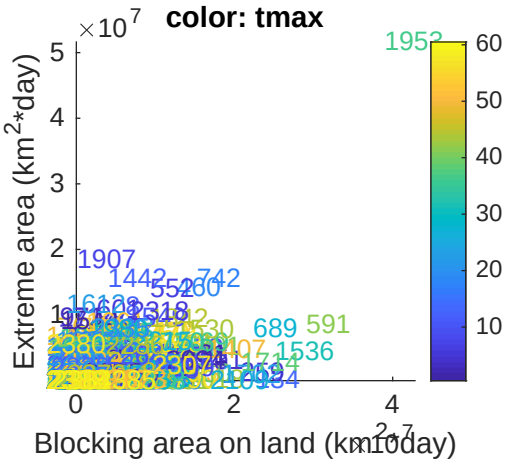


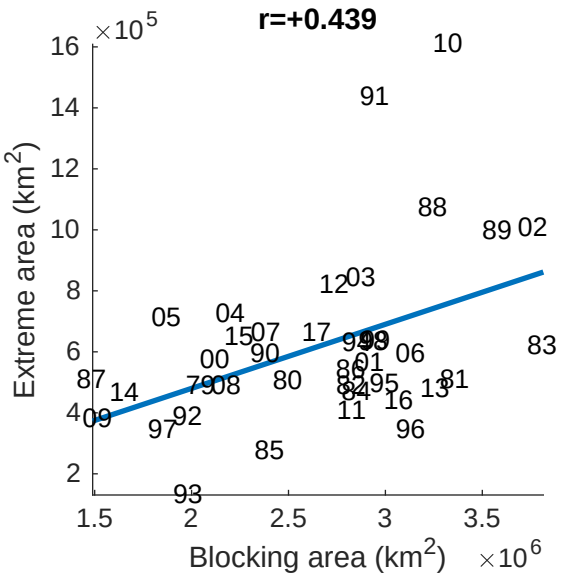


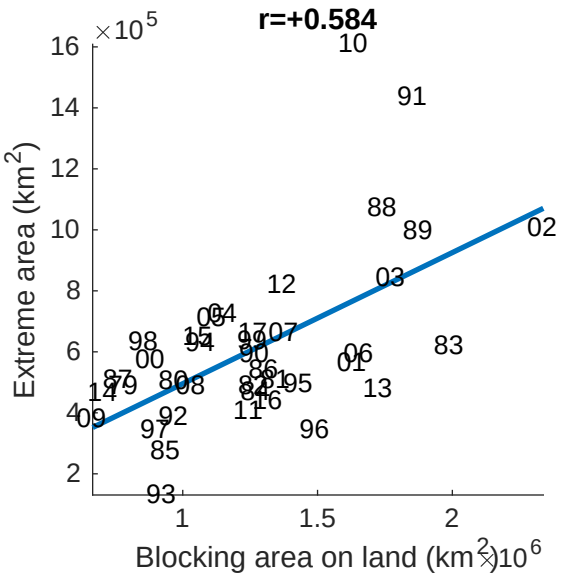
4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7
hot, frac=0.731, r=+0.536

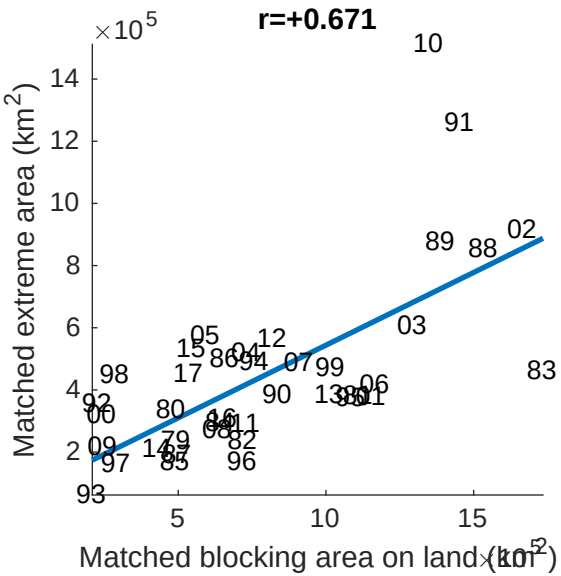






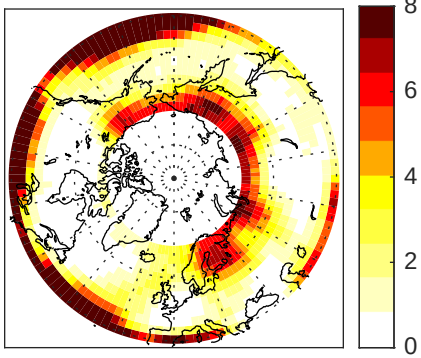




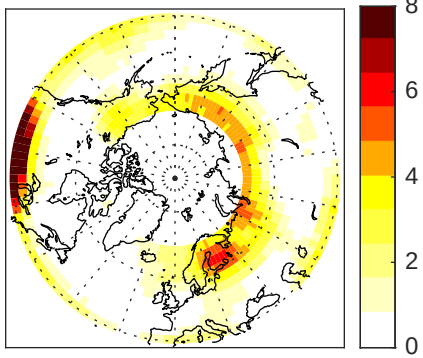


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

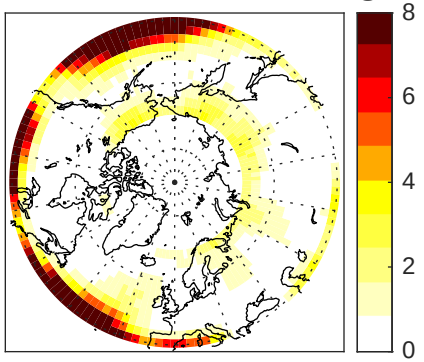
JJA blocking frequency (%)



matched blocking

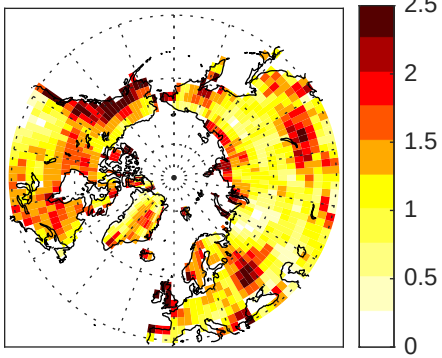


unmatched blocking

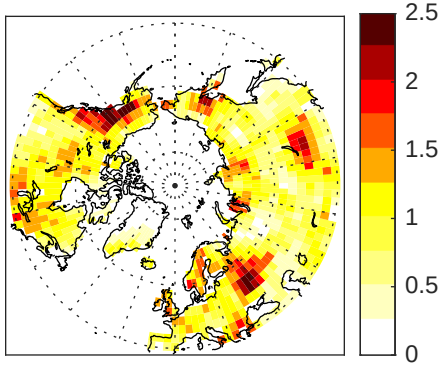


x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat

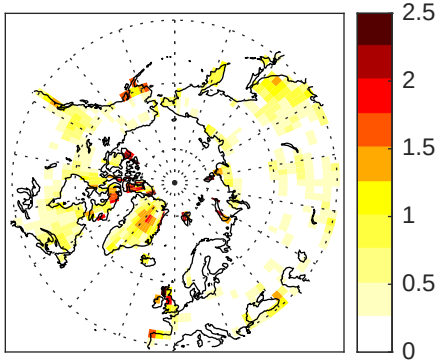
JJA extreme frequency (%)



matched extreme

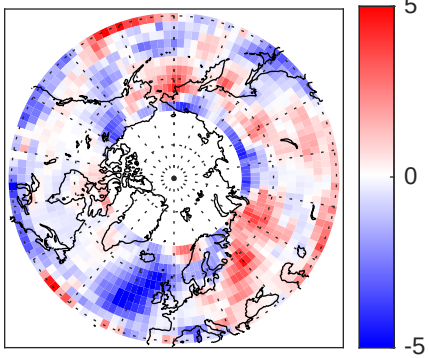


unmatched extreme

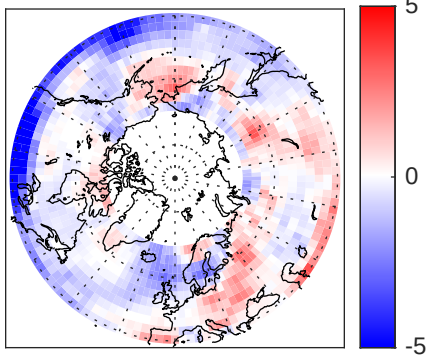


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

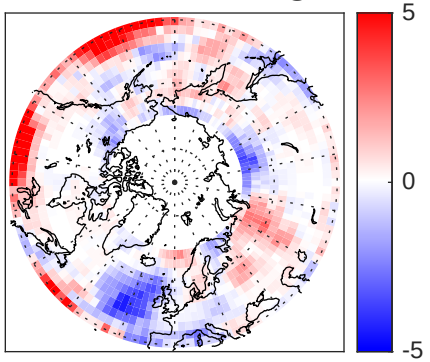
JJA blocking trends (%/30yr)



matched blocking trends

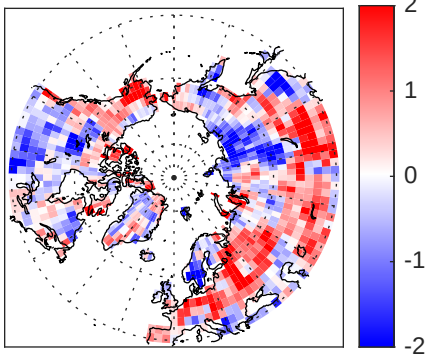


unmatched blocking trends

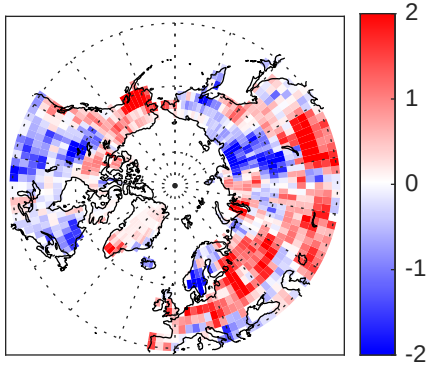


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

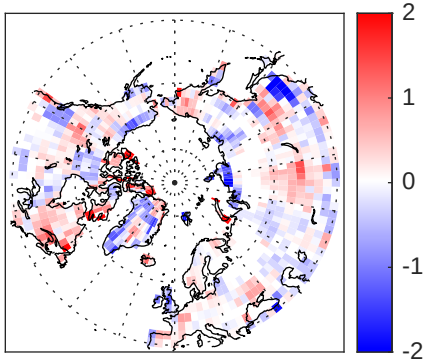
JJA extreme trends (%/30yr)

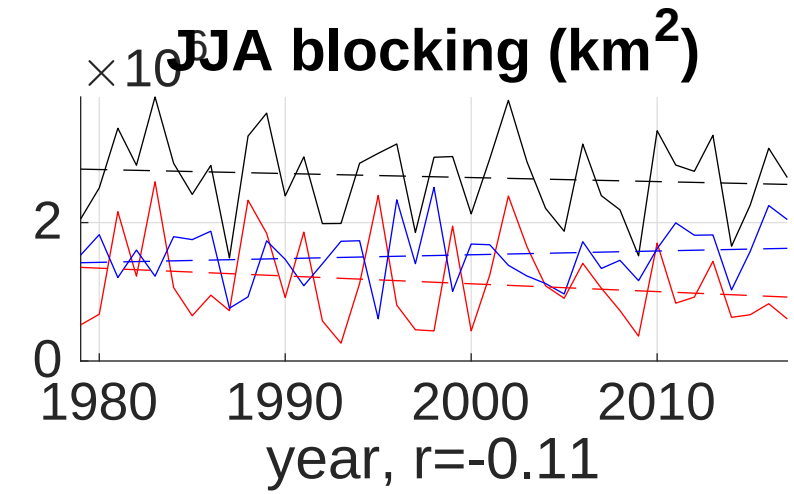


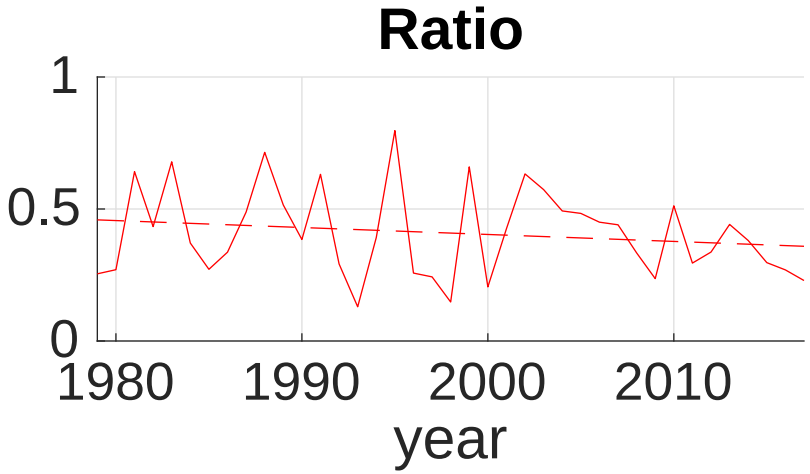
matched extreme trends

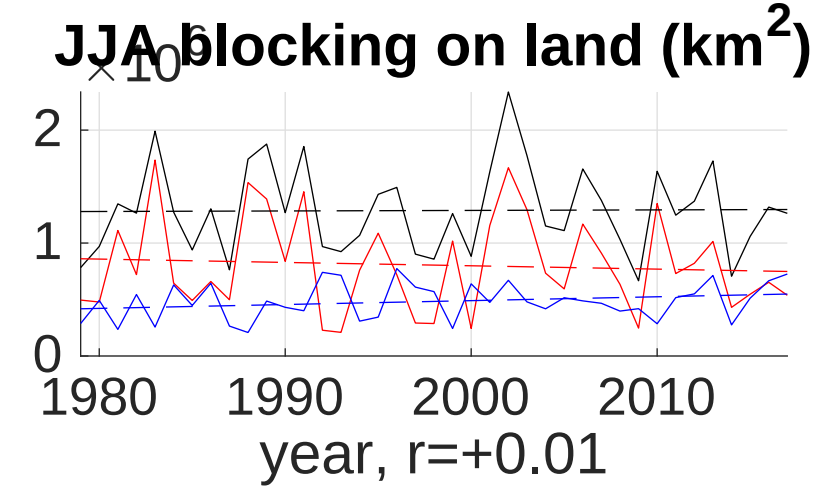


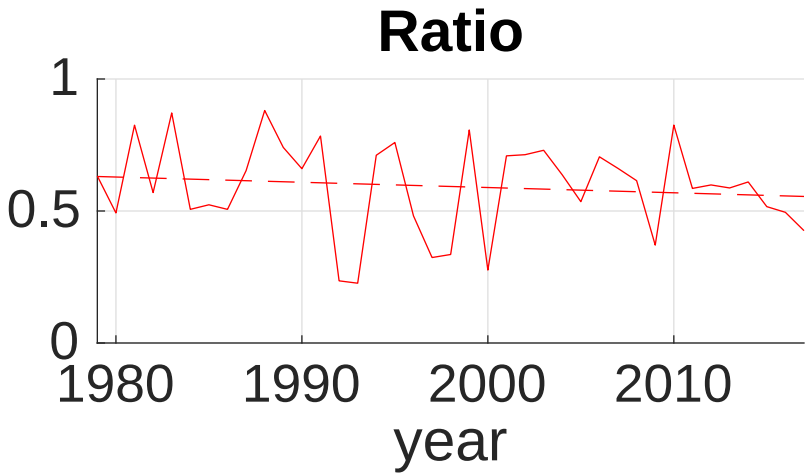
unmatched extreme trends

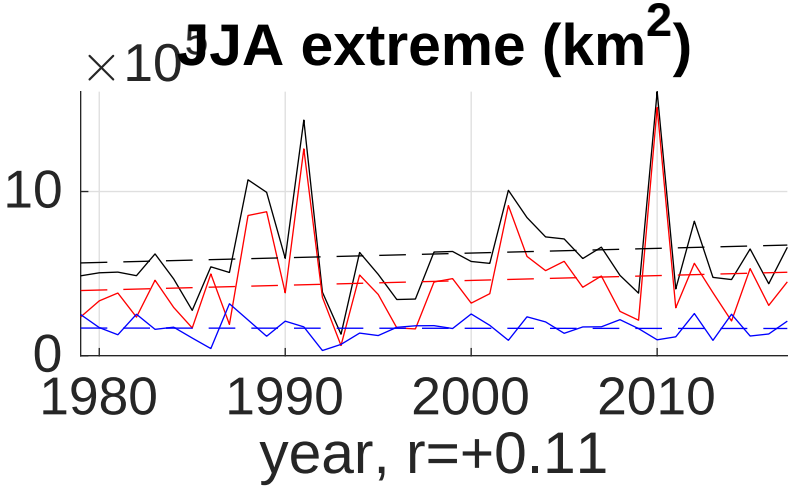


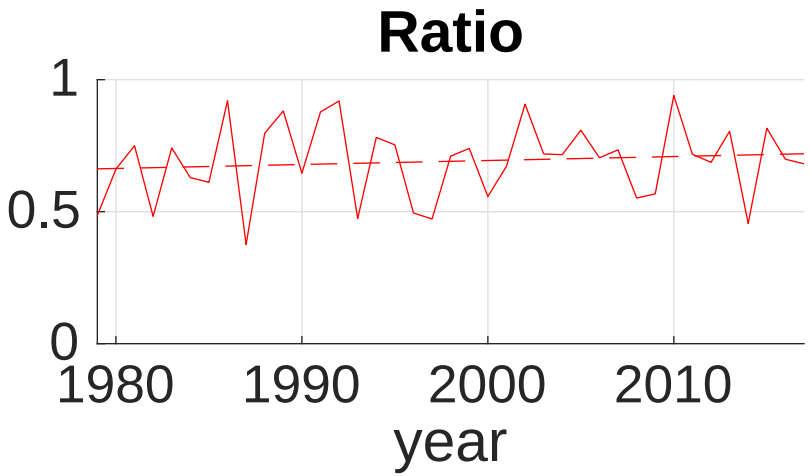

JJA blocking (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=-0.11

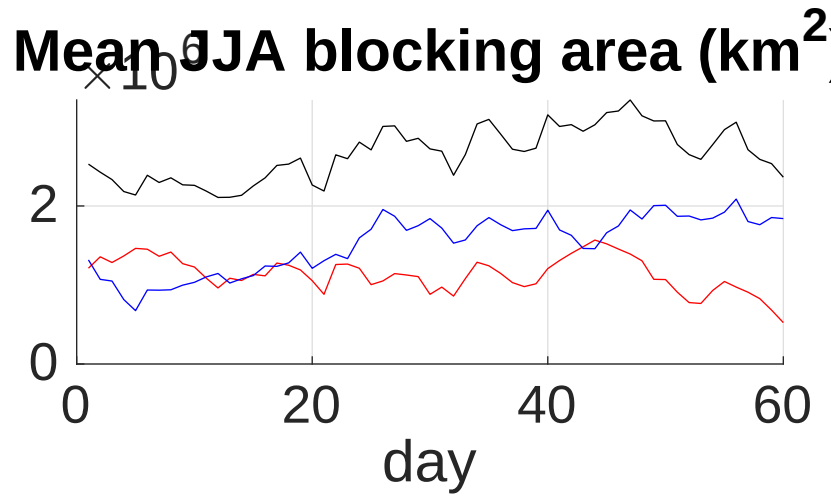

Ratio
1
0.5
0
1980
1990
2000
2010
year

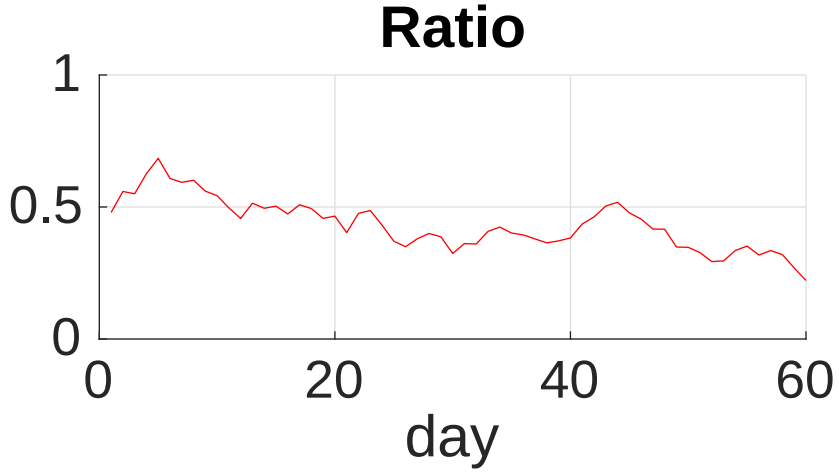

JJA blocking on land (km2)
×10^6
2
1
0
1980
1990
2000
2010
year, r=+0.01

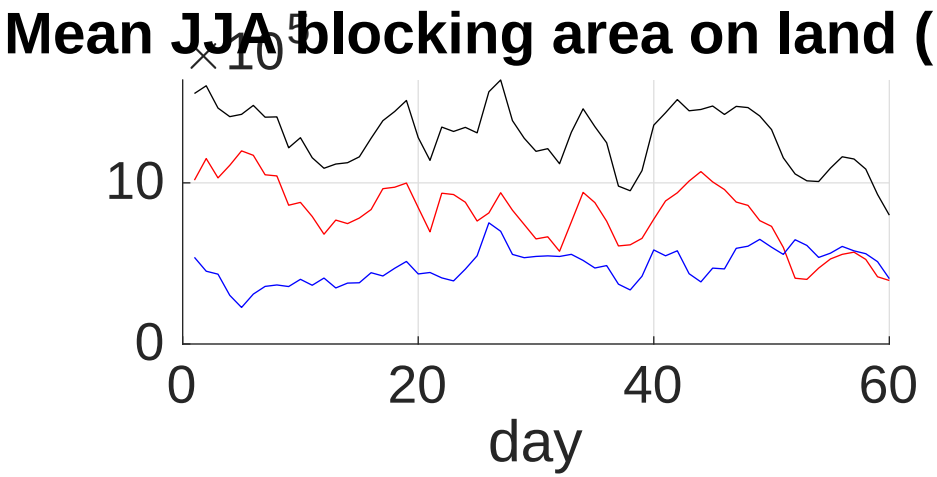

Ratio
1
0.5
0
1980
1990
2000
2010
year

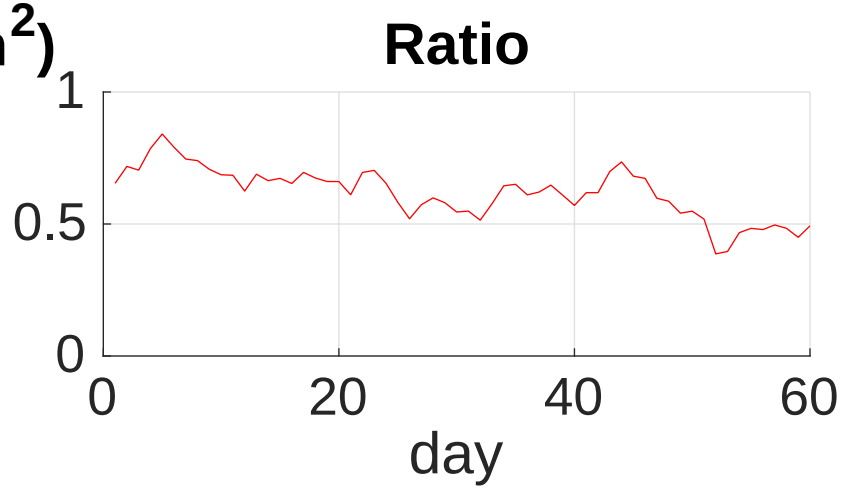

JJA extreme (km2)
×10^5
10
0
1980
1990
2000
2010
year, r=+0.11

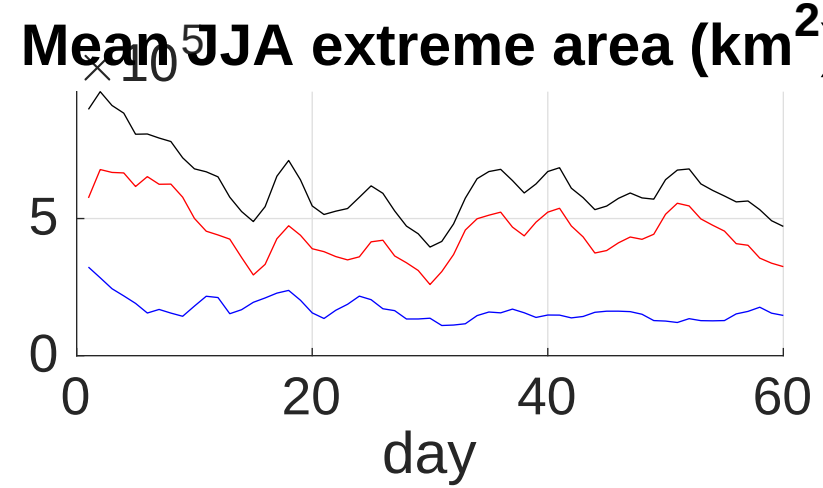

Ratio
1
0.5
0
1980
1990
2000
2010
year

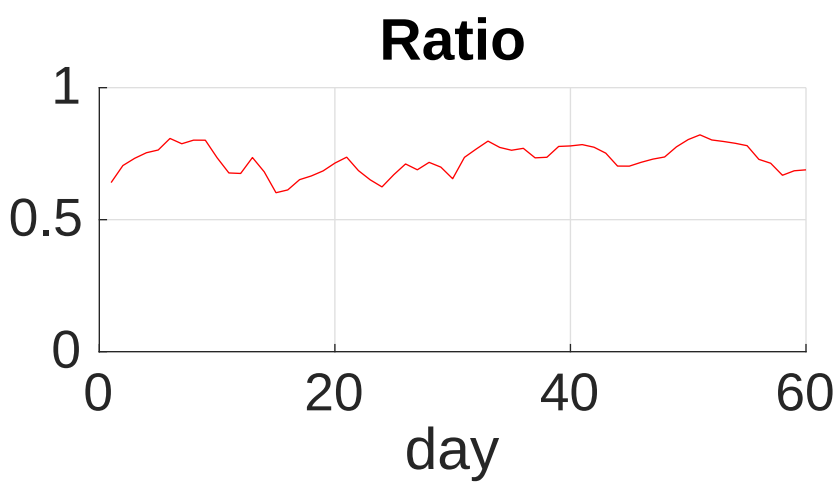

Mean JJA blocking area (km2)
×10^6
2
0
0
20
40
60
day


Ratio
1
0.5
0
0
20
40
60
day

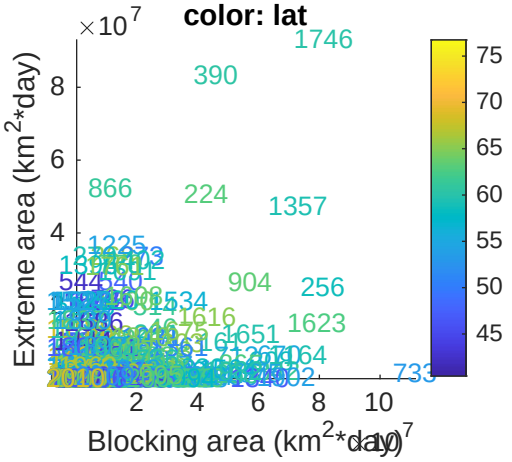

Mean JJA blocking area on land (km2)
×10^5
10
0
0
20
40
60
day

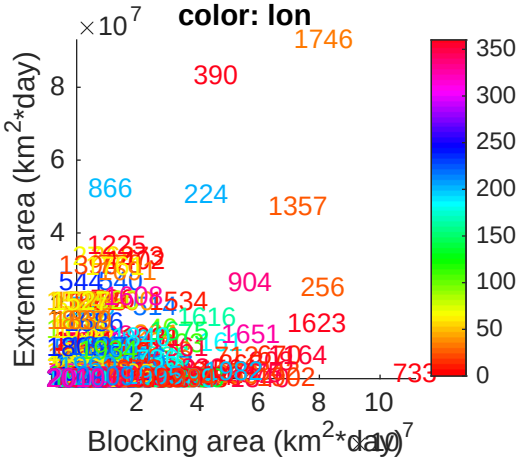

Ratio
1
0.5
0
0
20
40
60
day

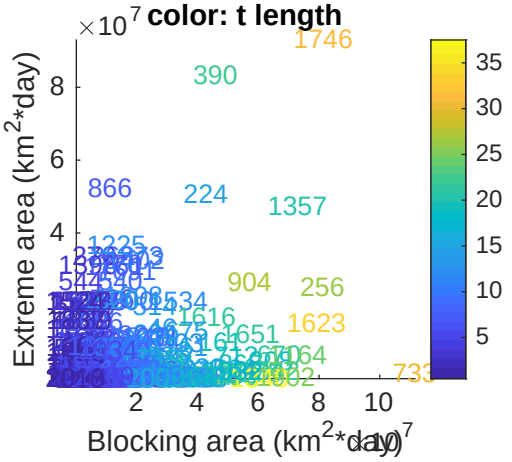

Mean JJA extreme area (km2)
×10^5
5
0
0
20
40
60
day

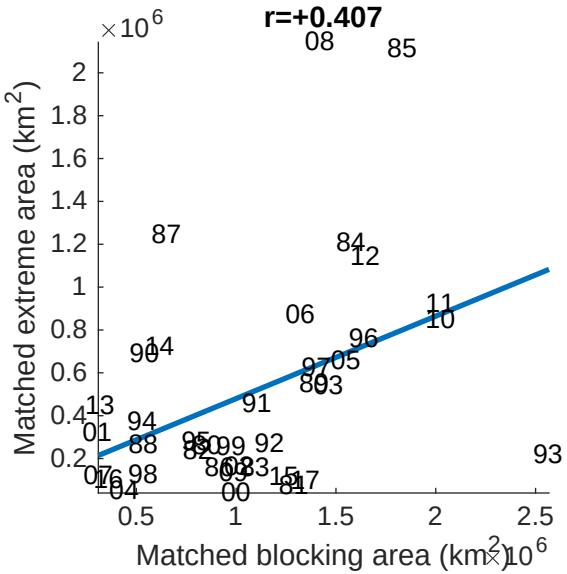

Ratio
1
0.5
0
0
20
40
60
day

4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7
cold, frac=0.416, r=+0.394

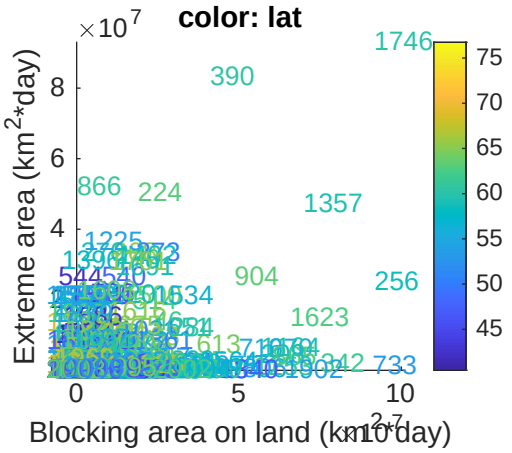


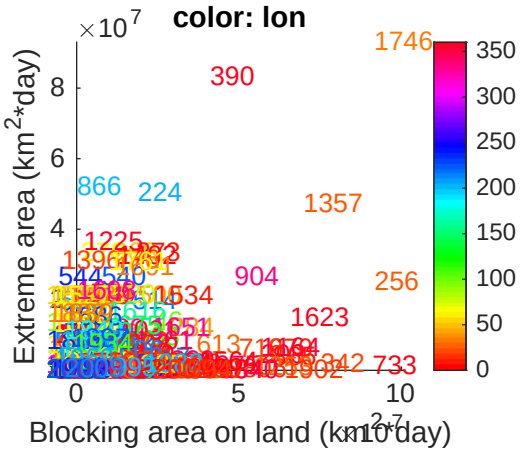


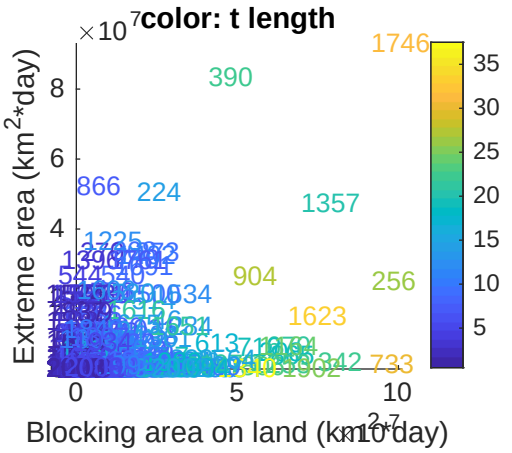


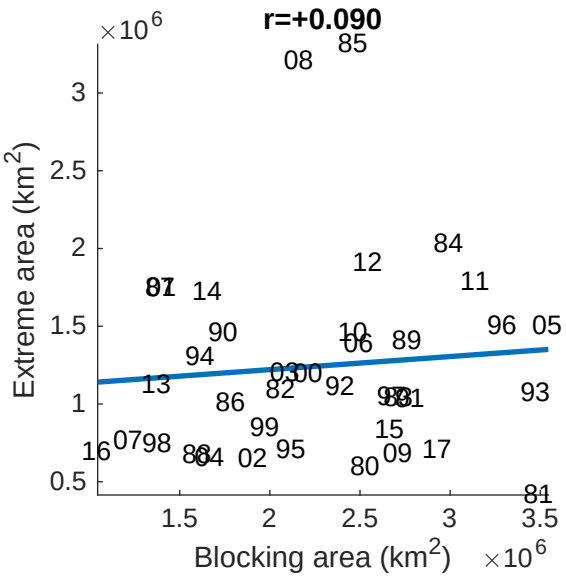


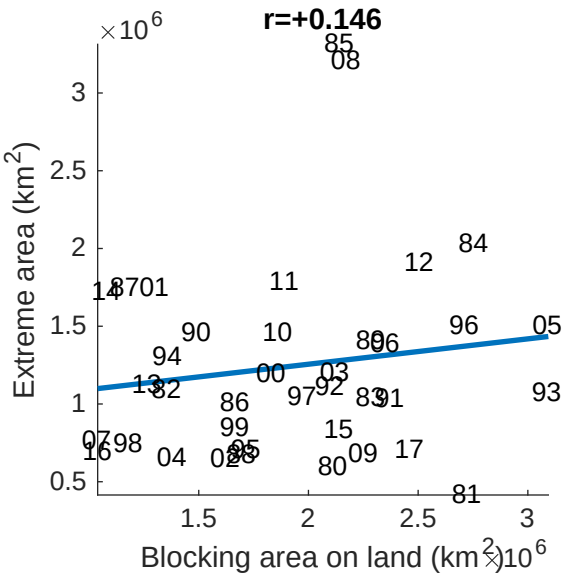
4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7
cold, frac=0.416, r=+0.420

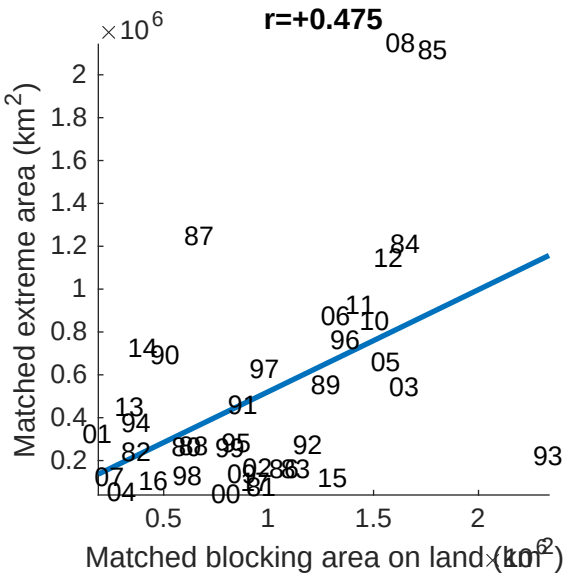






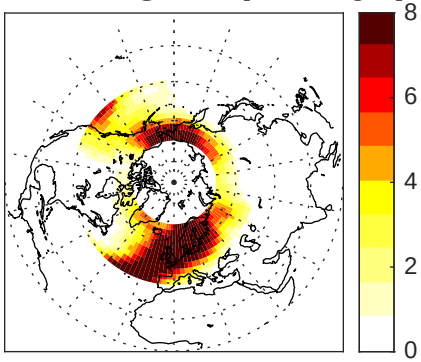




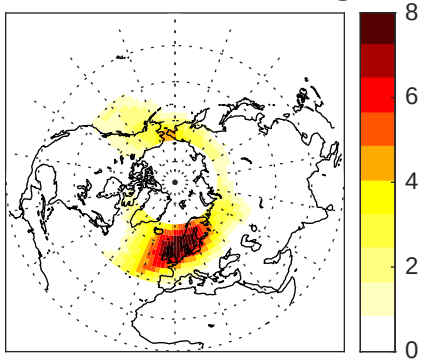


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

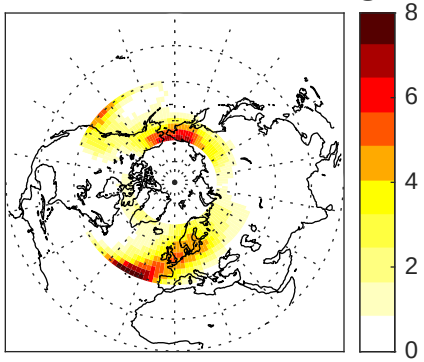
DJF blocking frequency (%)



matched blocking

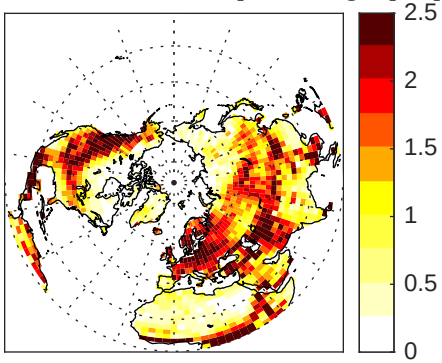


unmatched blocking

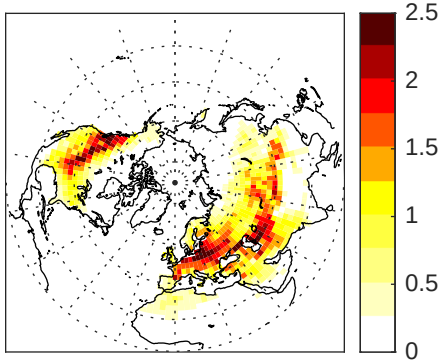


x919: Extreme, 15/15day*11yr, 2.3localstd 0K 40lat

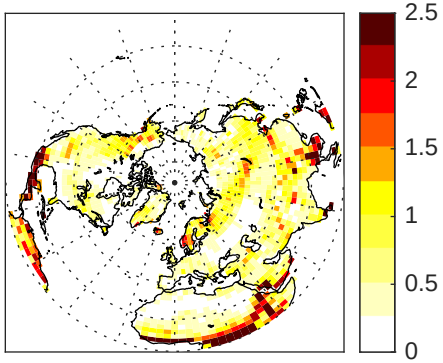
DJF extreme frequency (%)



matched extreme

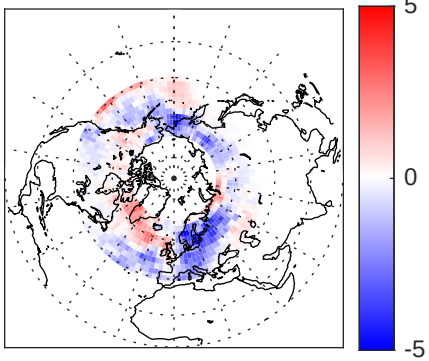


unmatched extreme

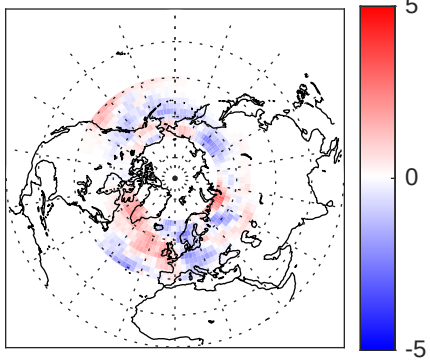


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

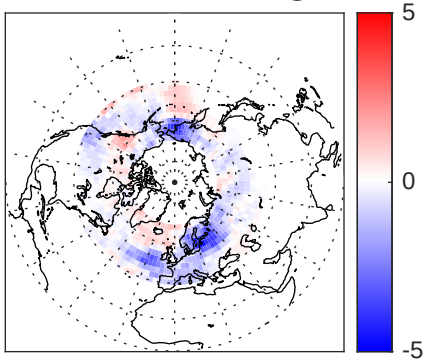
DJF blocking trends (%/30yr)



matched blocking trends

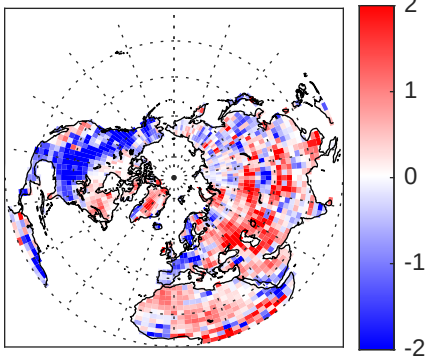


unmatched blocking trends

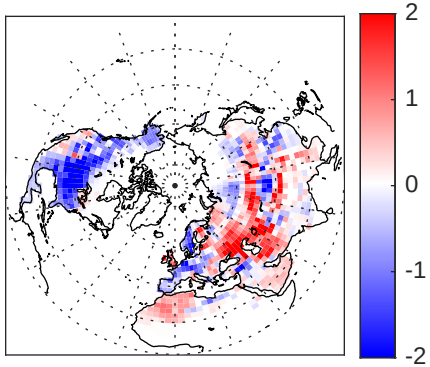


4a29: S06, 40N-, D=1,GHGNT=-15,GHGST=0,dphi=7

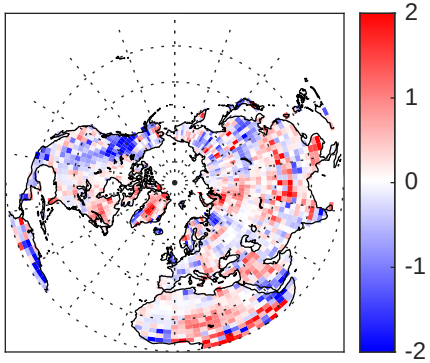
DJF extreme trends (%/30yr)

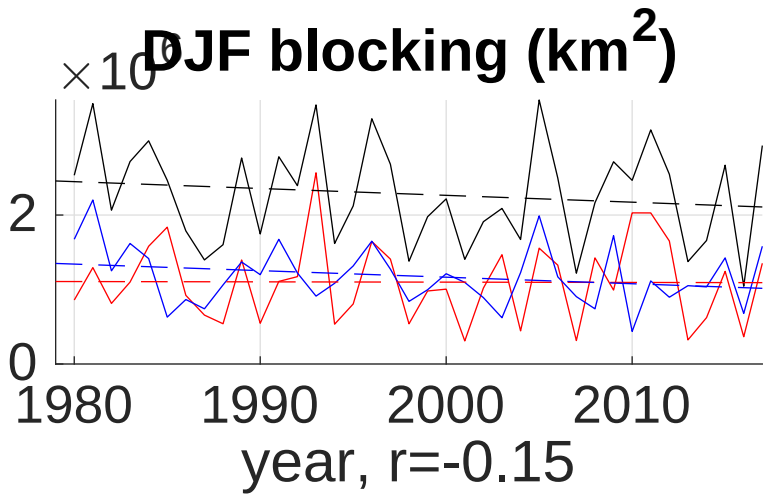


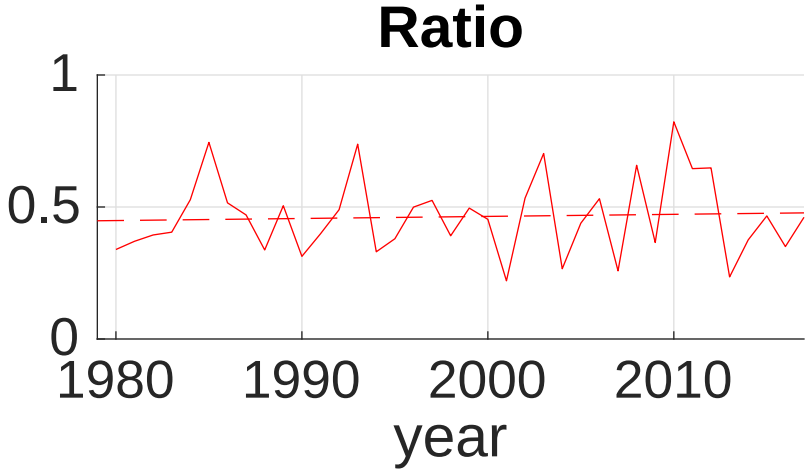
matched extreme trends

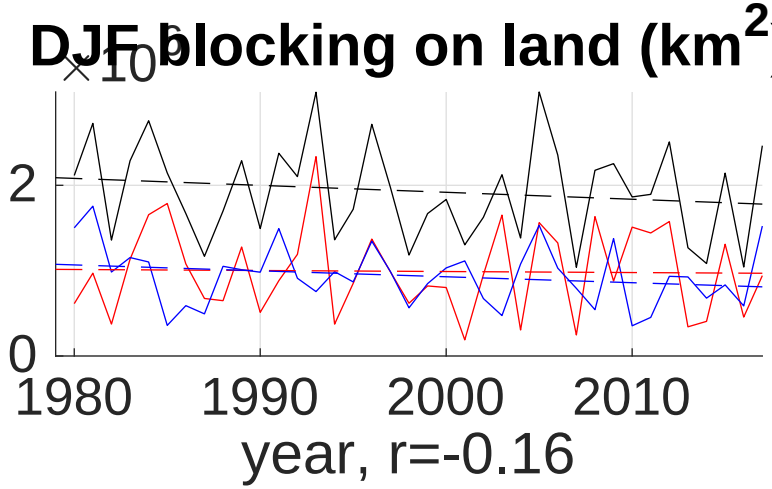


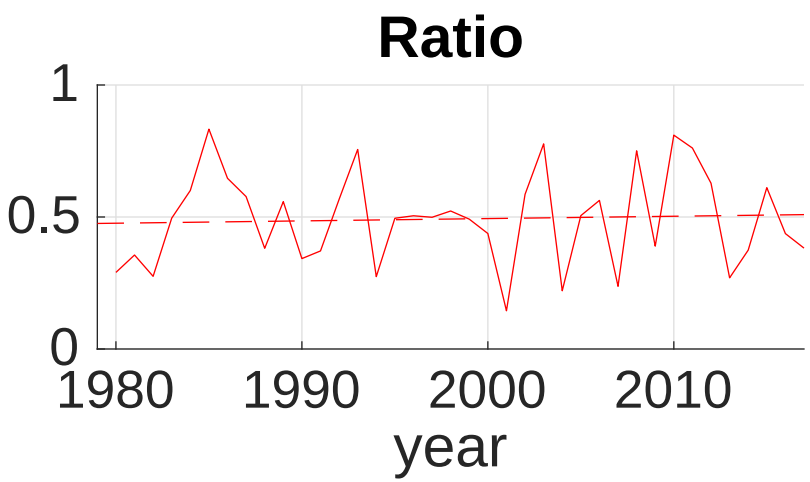
unmatched extreme trends

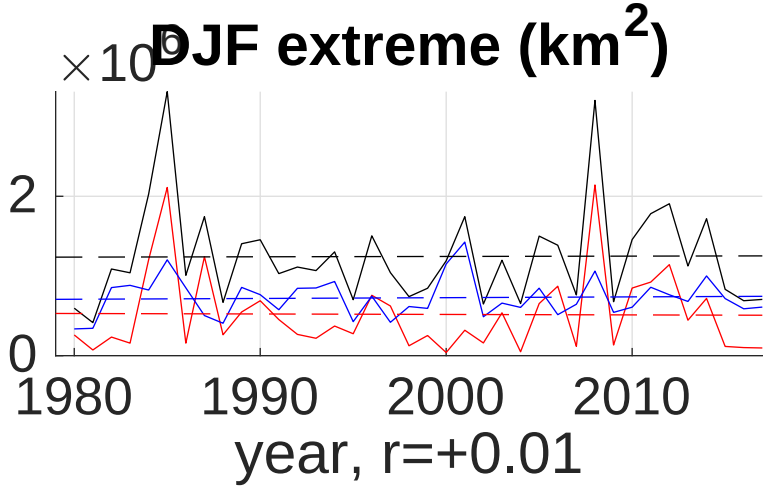


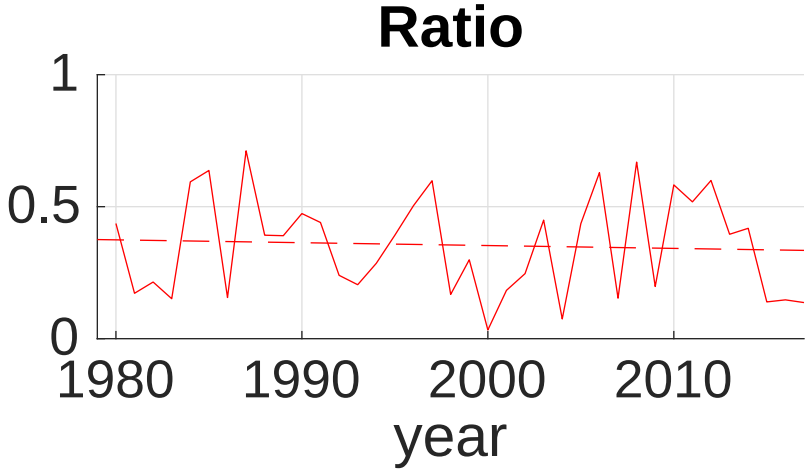

DJF blocking (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=-0.15

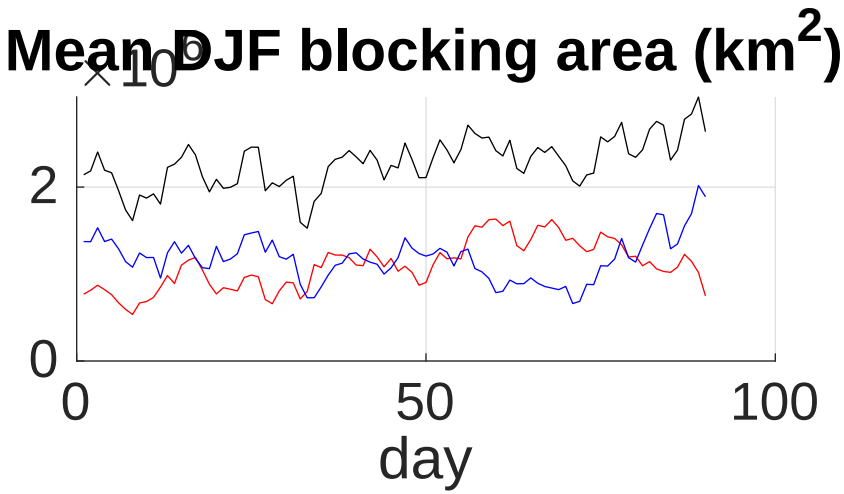

Ratio
1
0.5
0
1980
1990
2000
2010
year

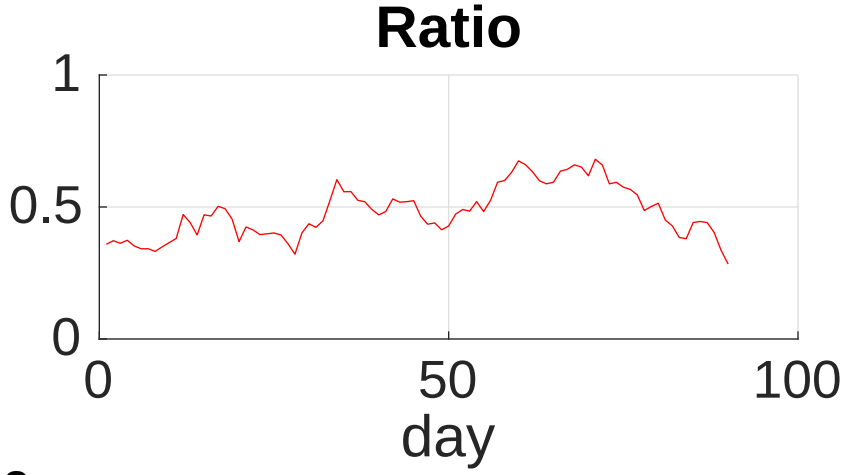

DJF blocking on land (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=-0.16

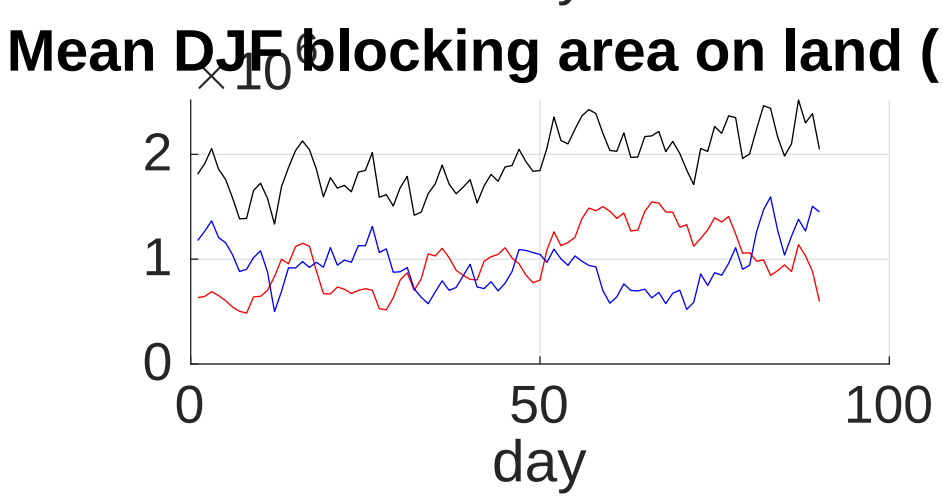

Ratio
1
0.5
0
1980
1990
2000
2010
year

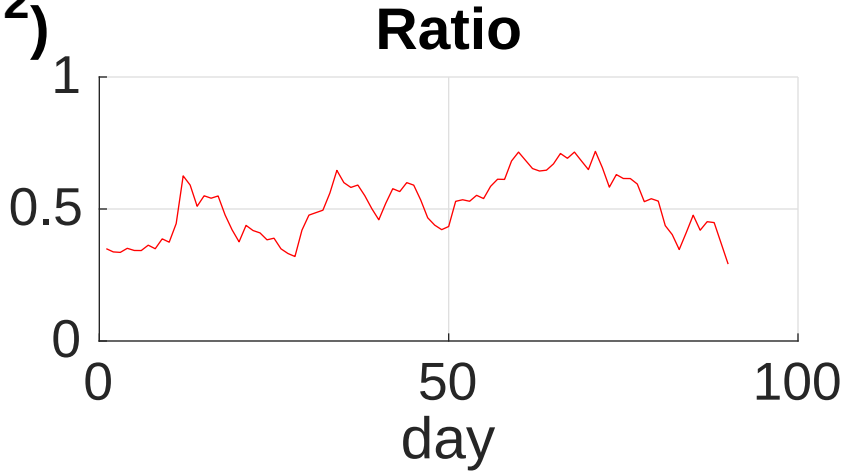

DJF extreme (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=+0.01

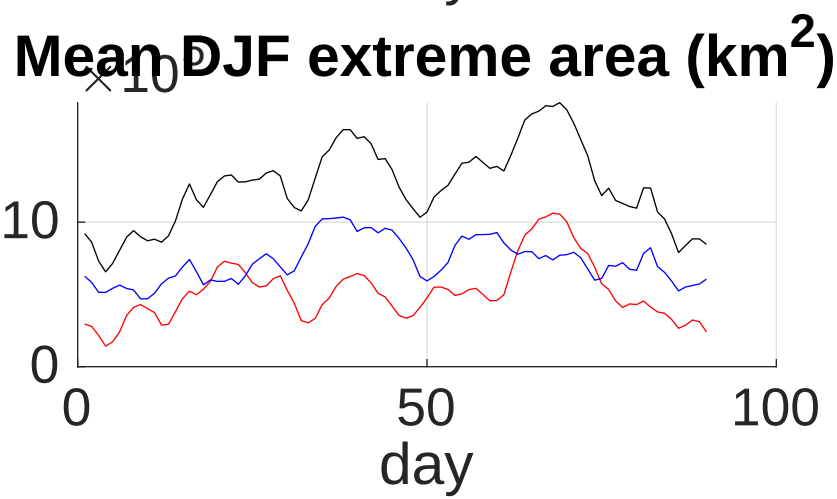

Ratio
1
0.5
0
1980
1990
2000
2010
year

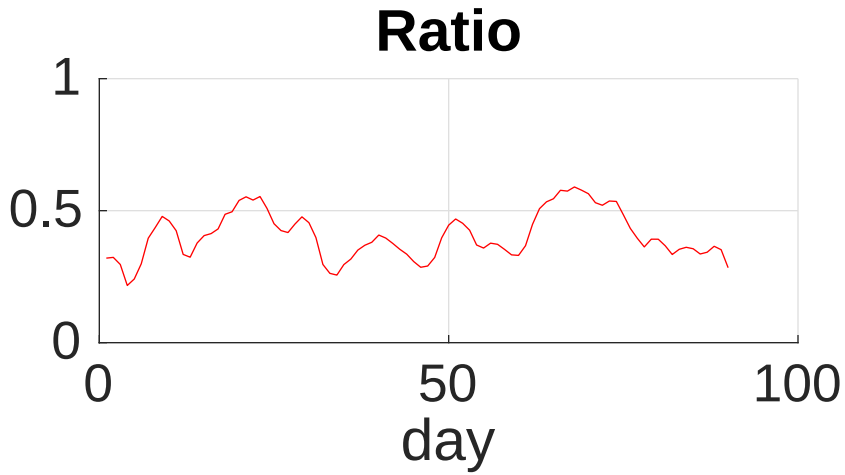

Mean DJF blocking area (km2)
×10^6
2
0
0
50
100
day


Ratio
1
0.5
0
0
50
100
day


Mean DJF blocking area on land (km2)
×10^6
2
1
0
0
50
100
day


Ratio
1
0.5
0
0
50
100
day


Mean DJF extreme area (km2)
×10^5
10
0
0
50
100
day


Ratio
1
0.5
0
0
50
100
day