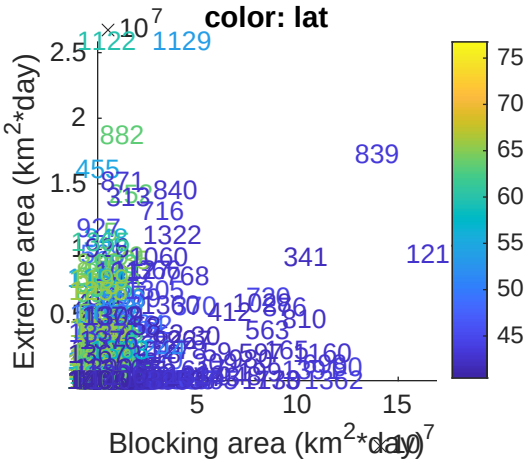
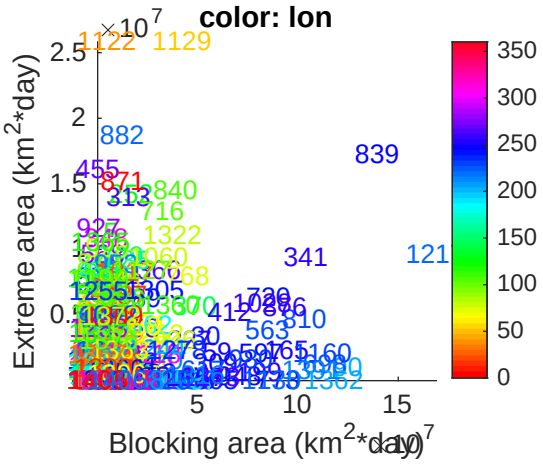
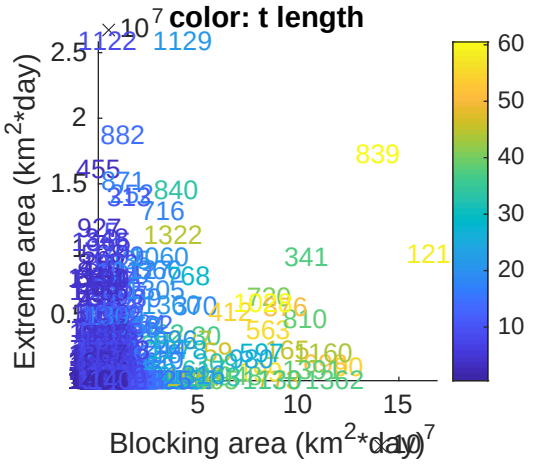
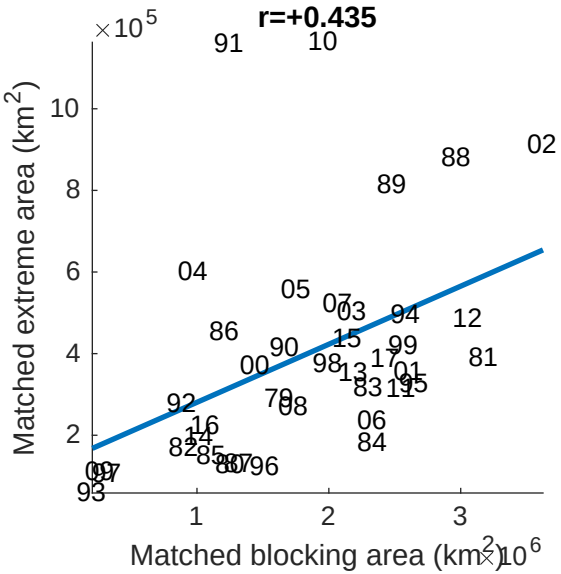
4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8
hot, frac=0.647, r=+0.304

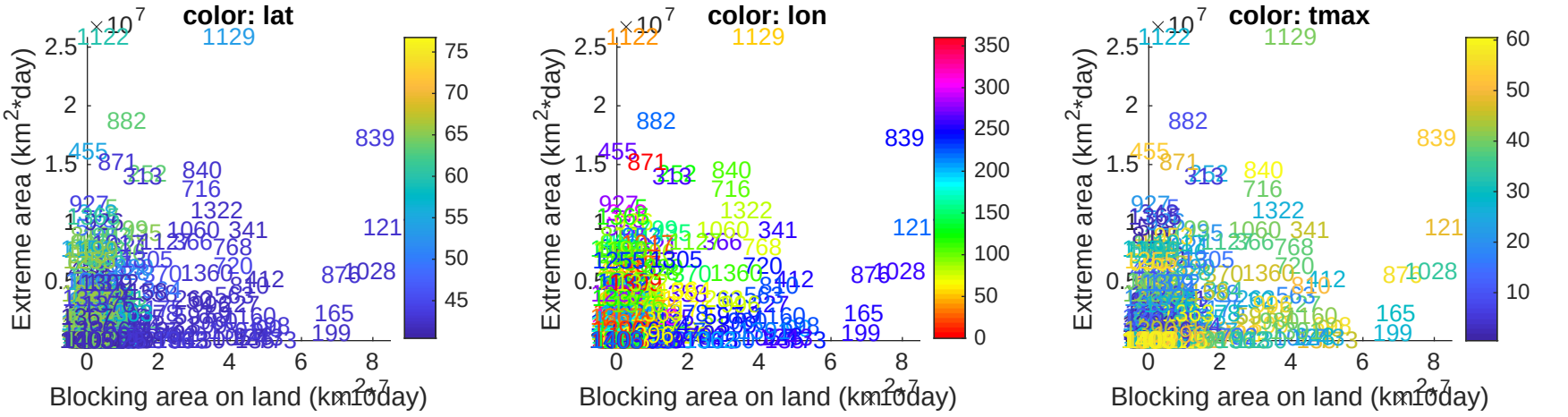


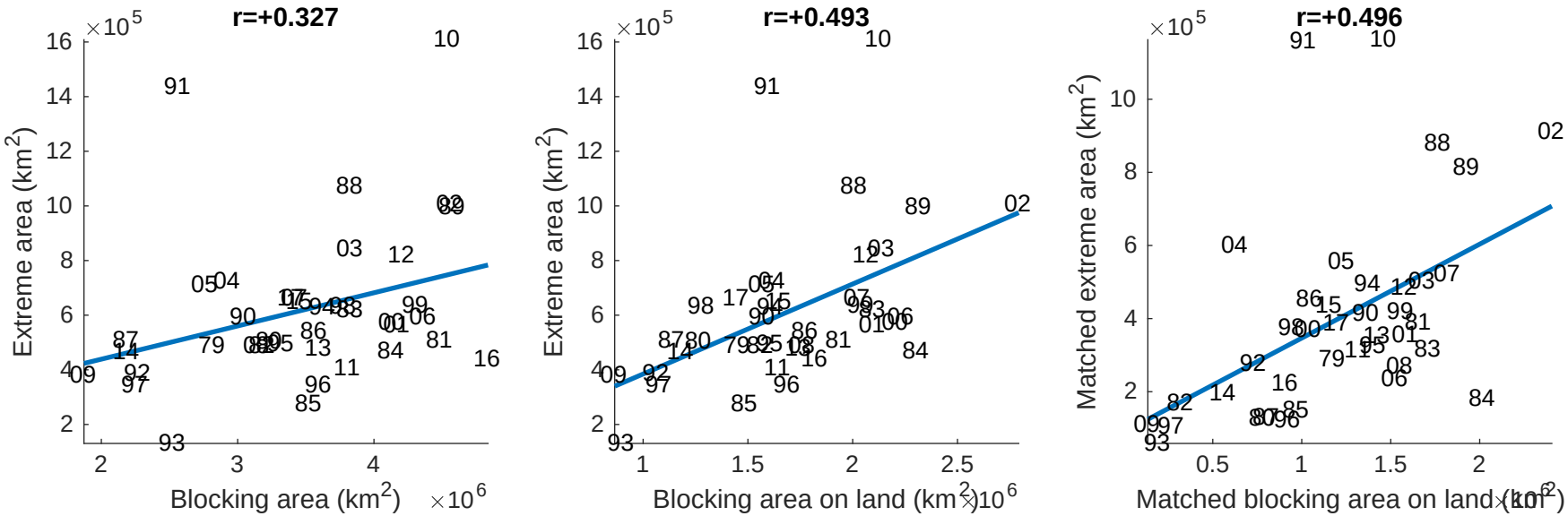






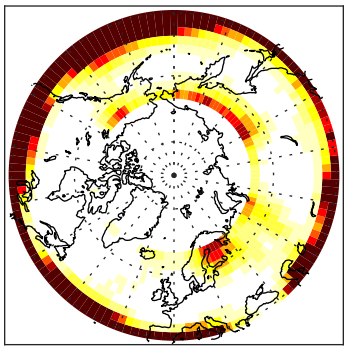
4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8
hot, frac=0.647, r=+0.415



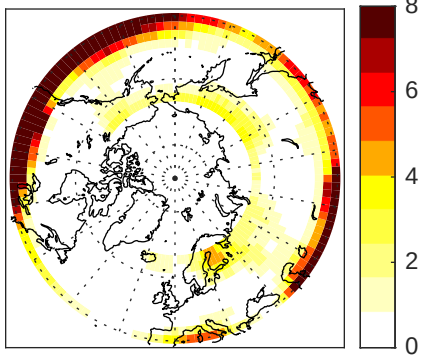


4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

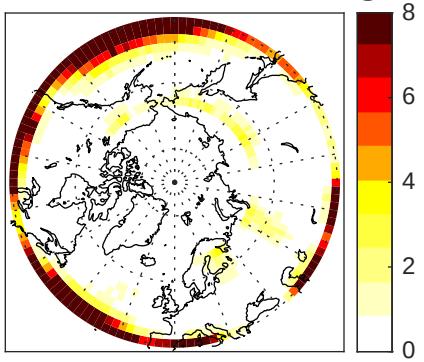
JJA blocking frequency (%)



matched blocking

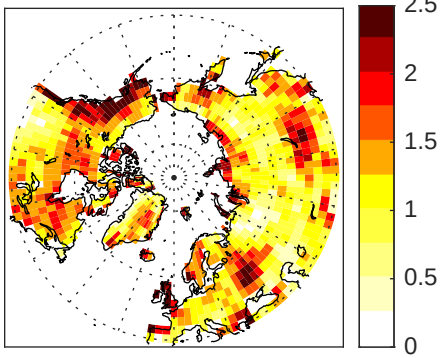


unmatched blocking

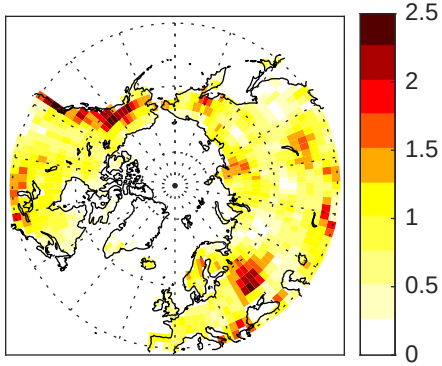


x918: Extreme, 15/15day*11yr, 2.3localstd 0K 50lat

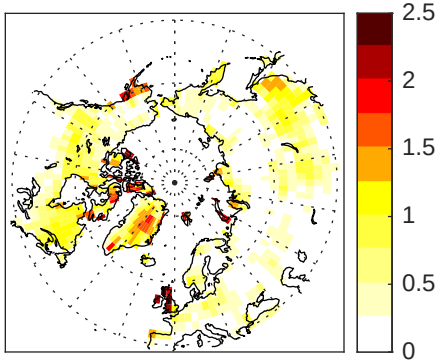
JJA extreme frequency (%)



matched extreme

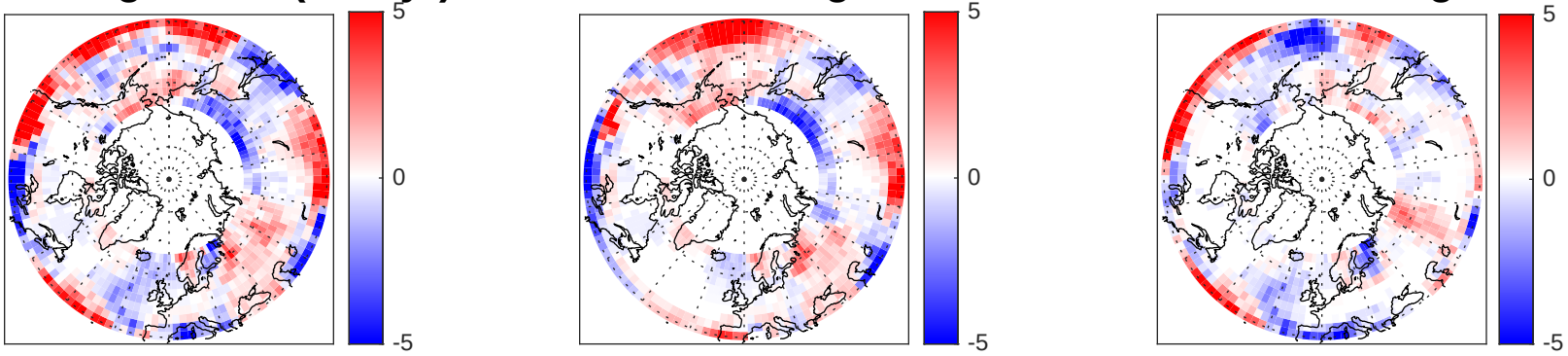


unmatched extreme



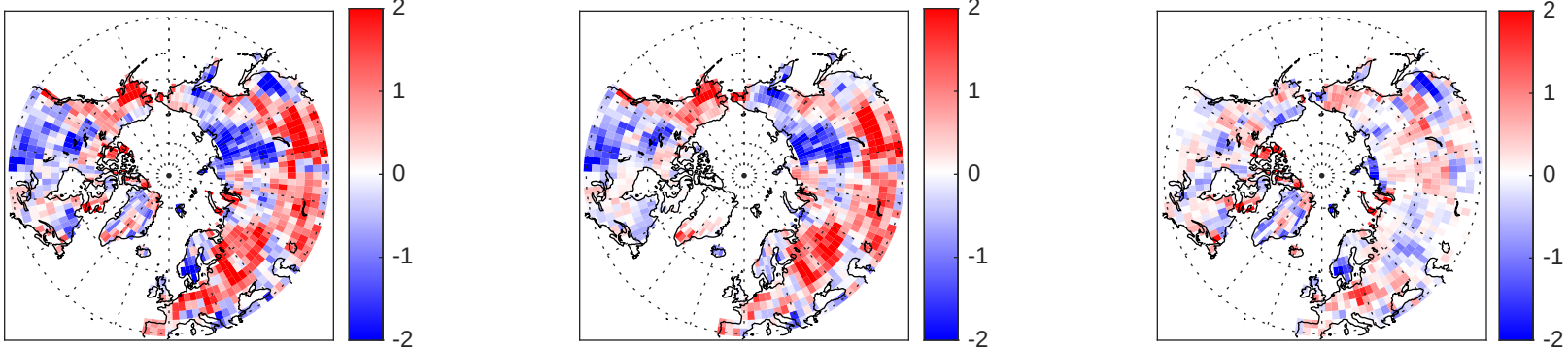
4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

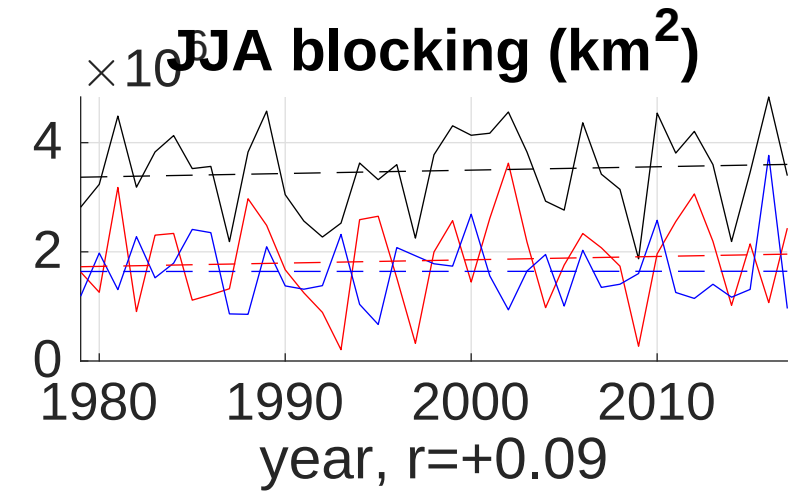
JJA blocking trends (%/30yr) **matched blocking trends** **unmatched blocking trends**

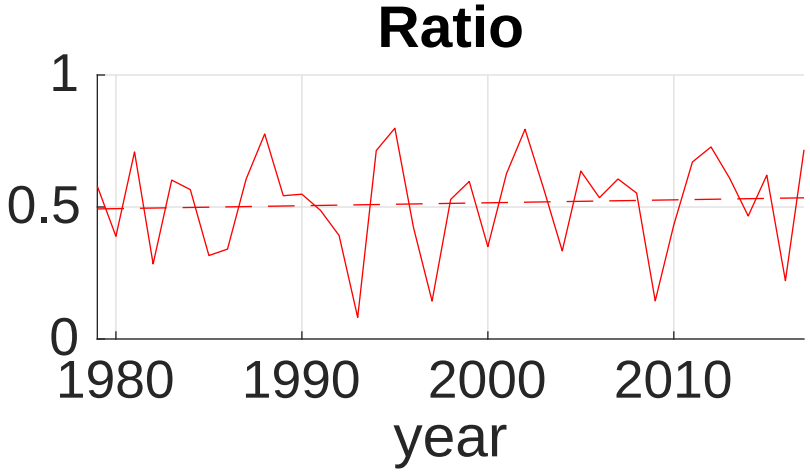


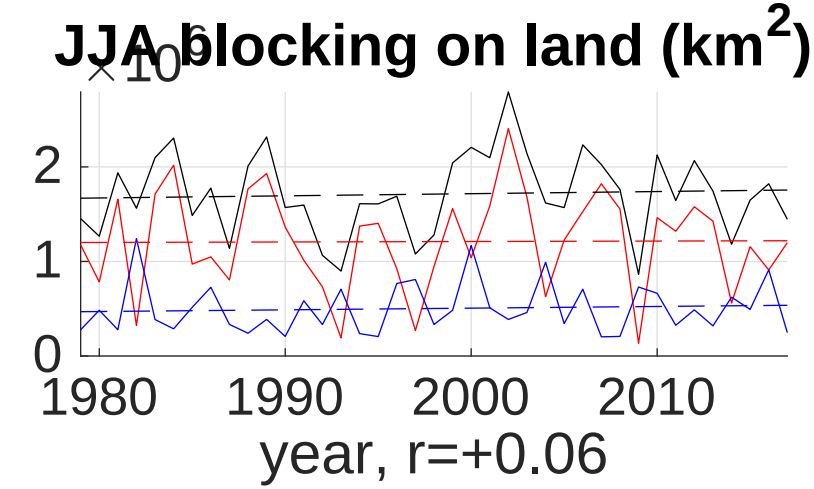
4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

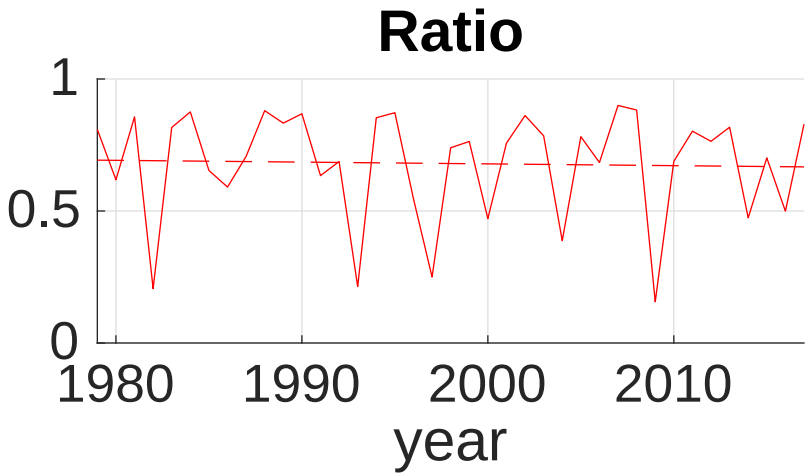
JJA extreme trends (%/30yr) **matched extreme trends** **unmatched extreme trends**

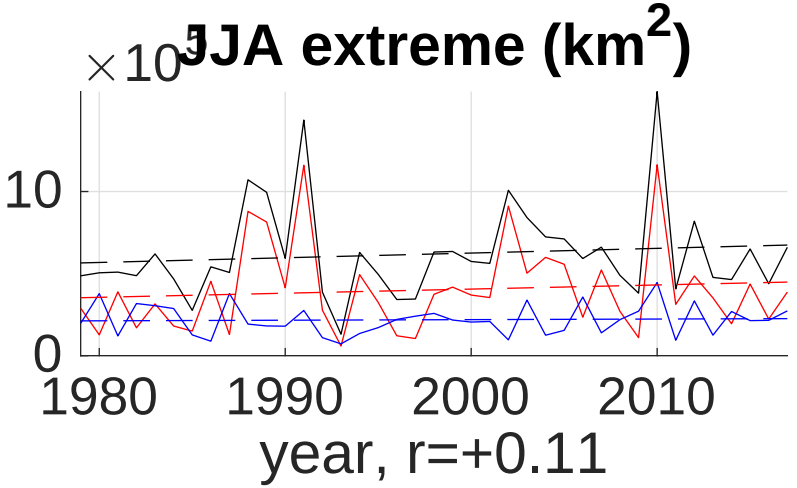


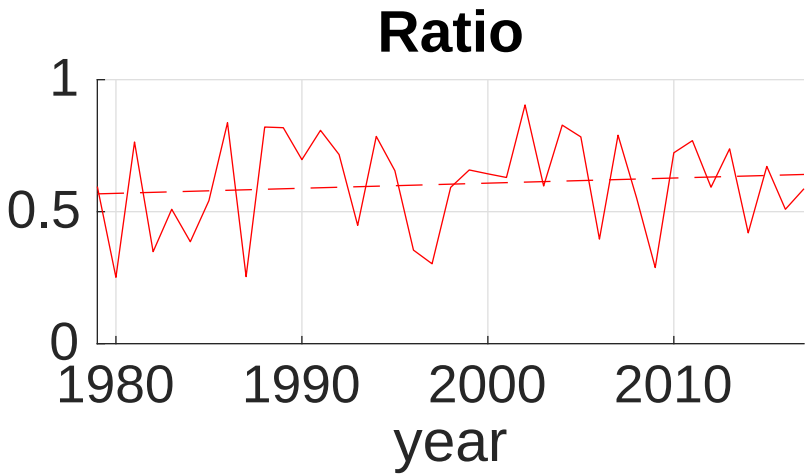

JJA blocking (km2)
×10^6
4
2
0
1980
1990
2000
2010
year, r=+0.09

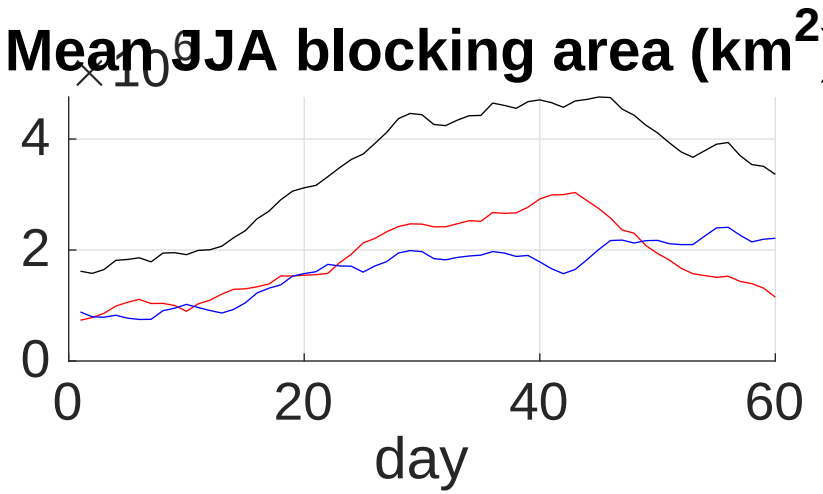

Ratio
1
0.5
0
1980
1990
2000
2010
year

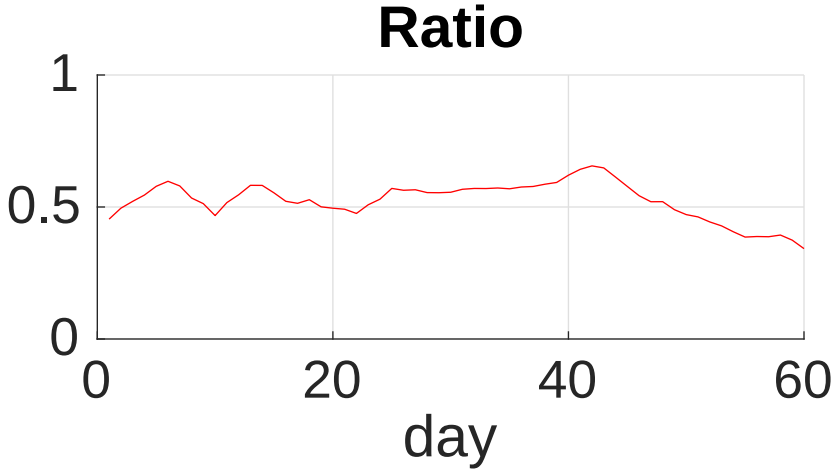

JJA blocking on land (km2)
×10^6
2
1
0
1980
1990
2000
2010
year, r=+0.06

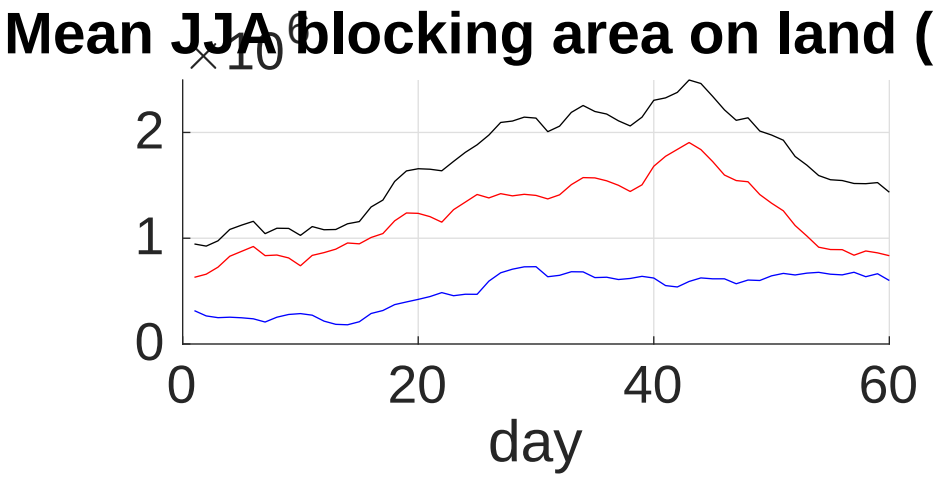

Ratio
1
0.5
0
1980
1990
2000
2010
year

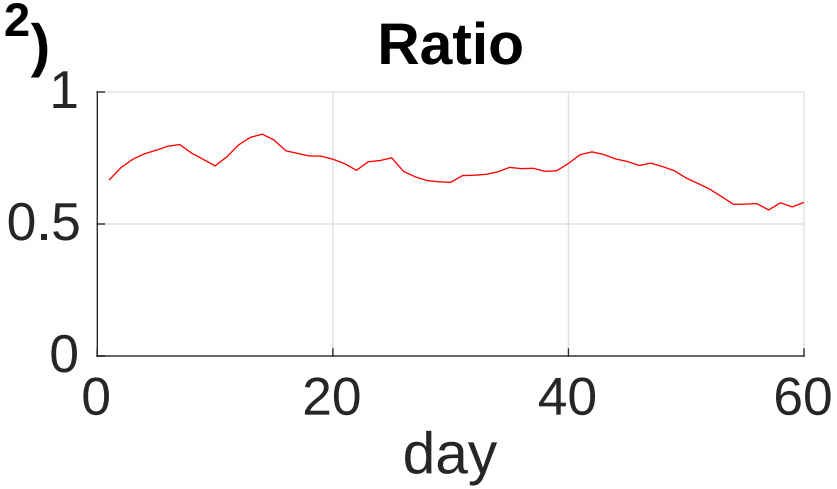

JJA extreme (km2)
×10^5
10
0
1980
1990
2000
2010
year, r=+0.11

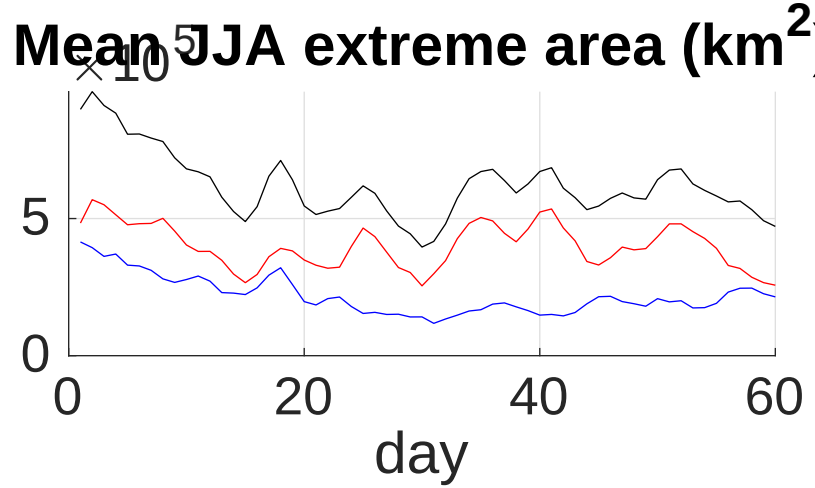

Ratio
1
0.5
0
1980
1990
2000
2010
year

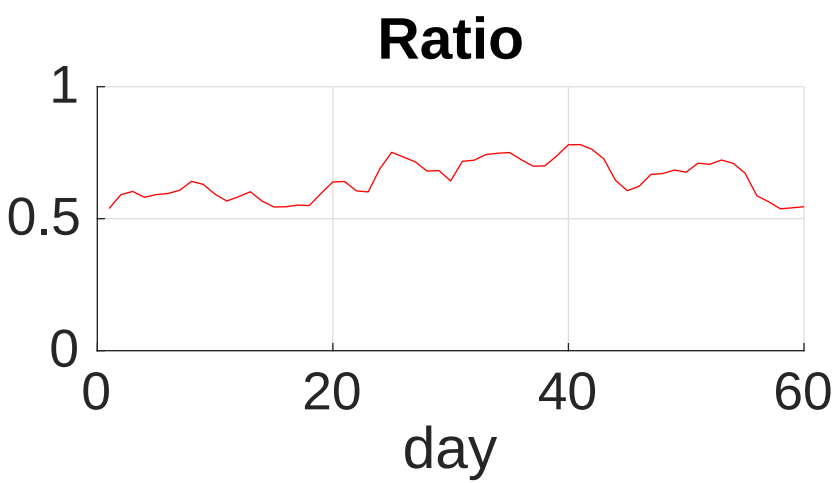

Mean JJA blocking area (km2)
×10^6
4
2
0
0
20
40
60
day


Ratio
1
0.5
0
0
20
40
60
day

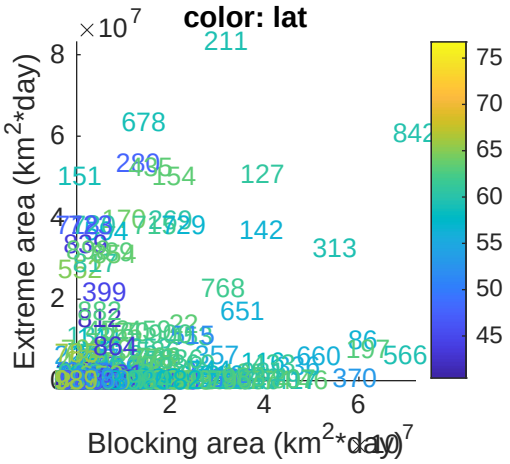

Mean JJA blocking area on land (km2)
×10^6
2
1
0
0
20
40
60
day

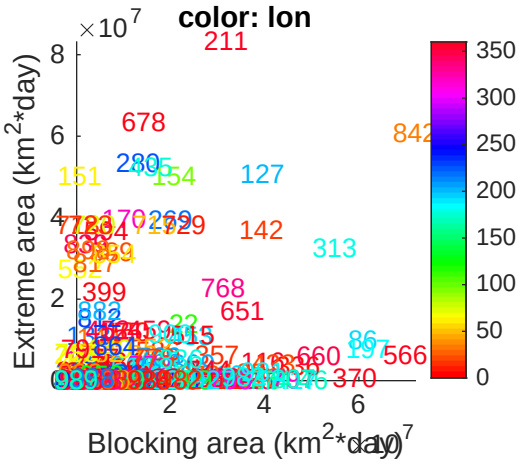

Ratio
1
0.5
0
0
20
40
60
day

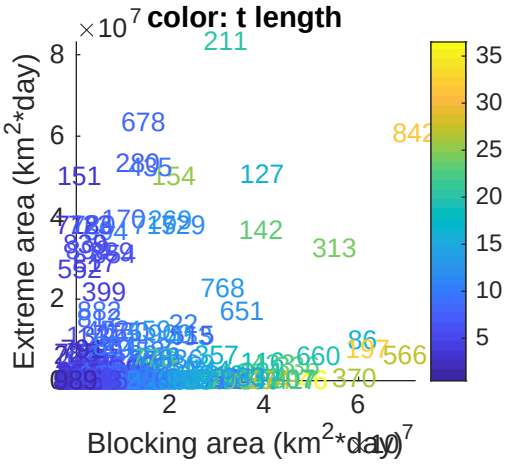

Mean JJA extreme area (km2)
×10^5
5
0
0
20
40
60
day

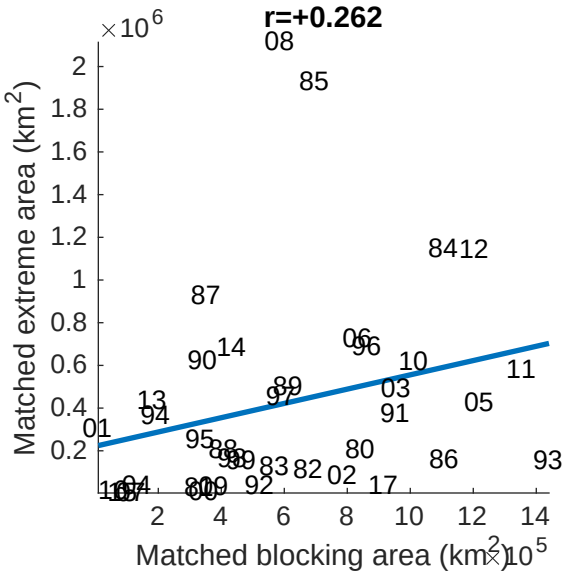

Ratio
1
0.5
0
0
20
40
60
day

4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8
cold, frac=0.344, r=+0.315

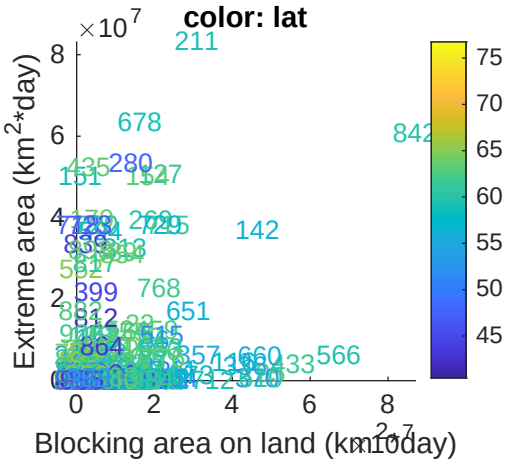


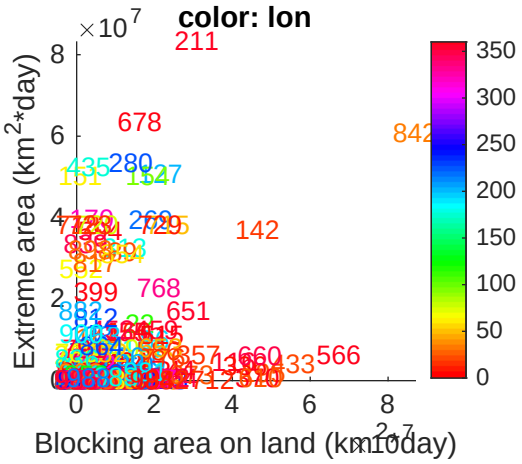


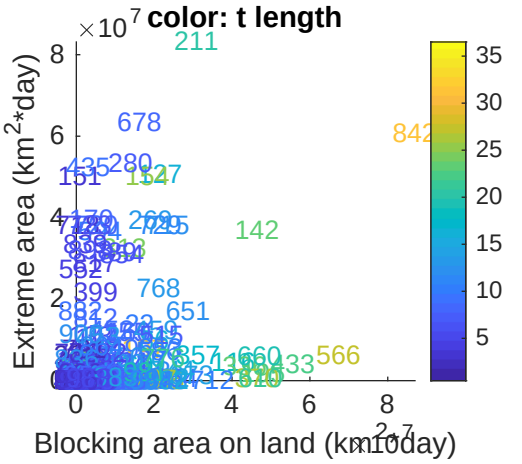


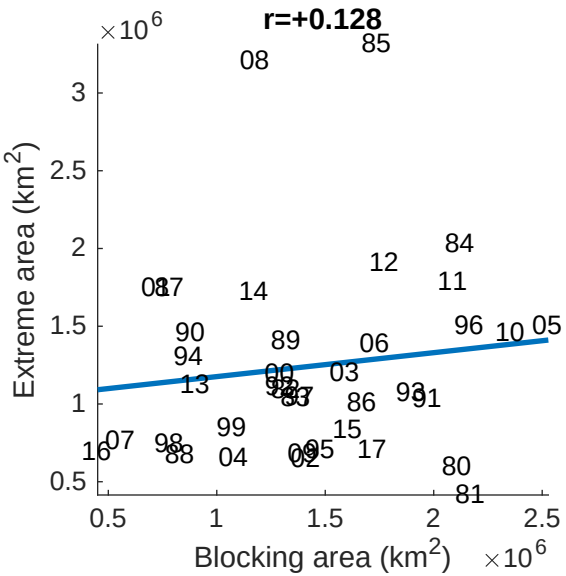


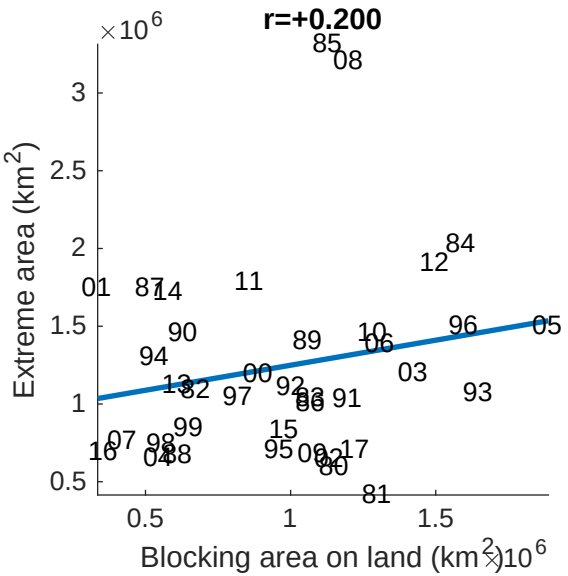
4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8
cold, frac=0.344, r=+0.374

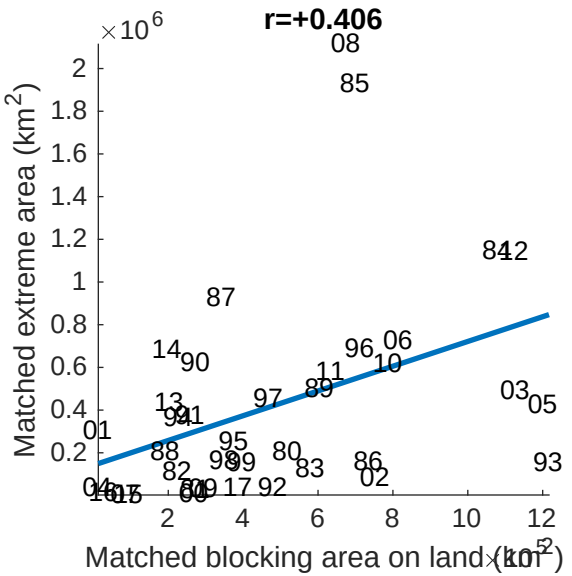






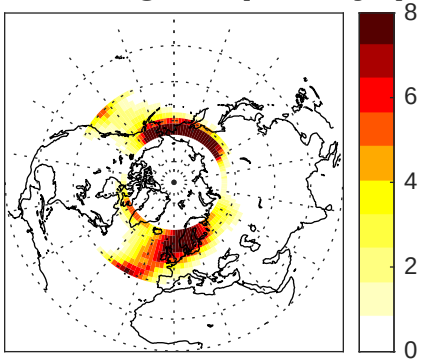




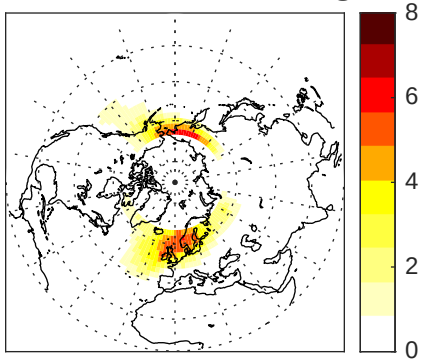


4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

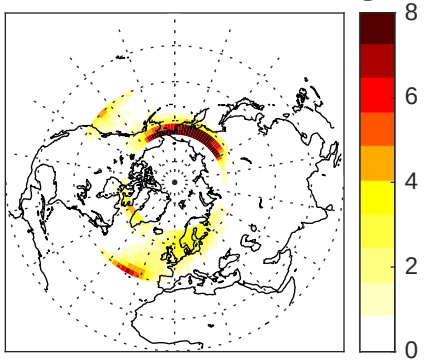
DJF blocking frequency (%)



matched blocking

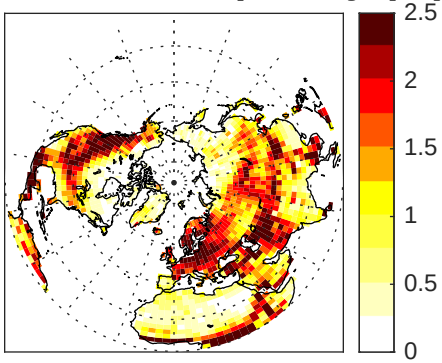


unmatched blocking

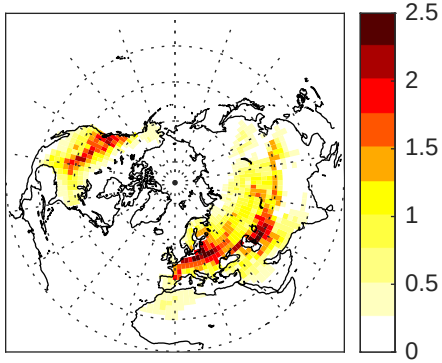


x918: Extreme, 15/15day*11yr, 2.3localstd 0K 50lat

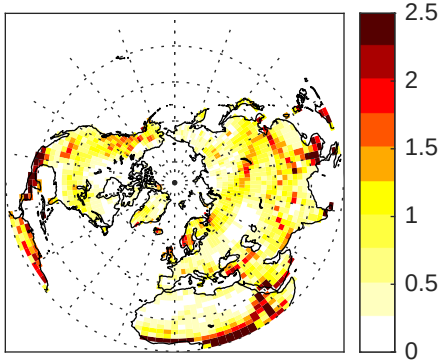
DJF extreme frequency (%)



matched extreme

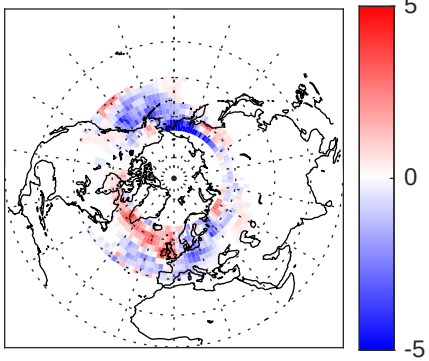


unmatched extreme

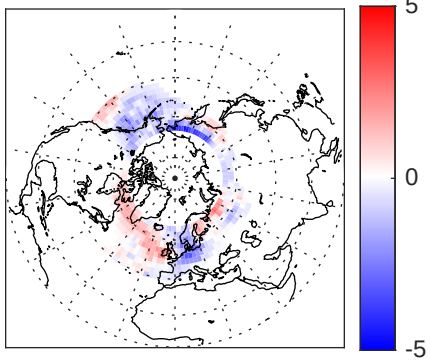


4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

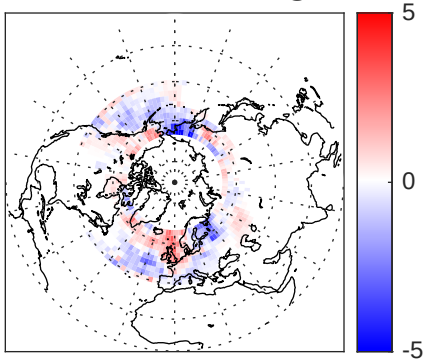
DJF blocking trends (%/30yr)



matched blocking trends

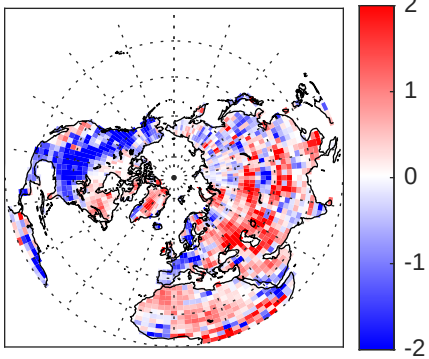


unmatched blocking trends

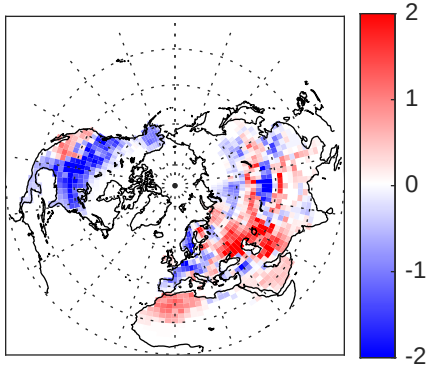


4a39: S06, 40N-, D=3,GHGNT=Inf,GHGST=0,dphi=8

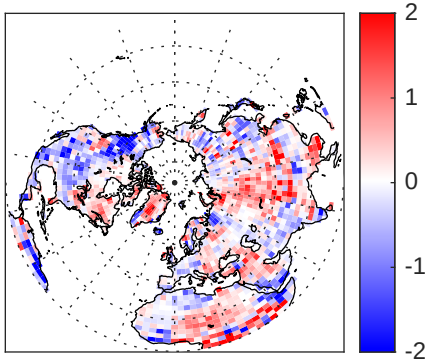
DJF extreme trends (%/30yr)

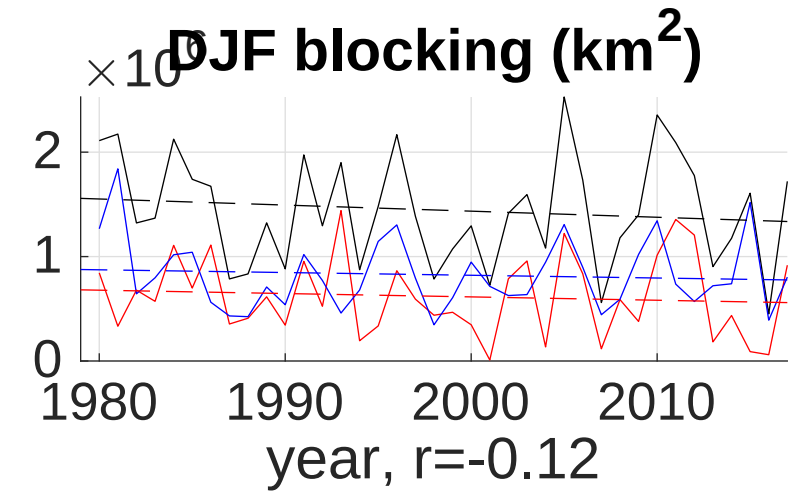


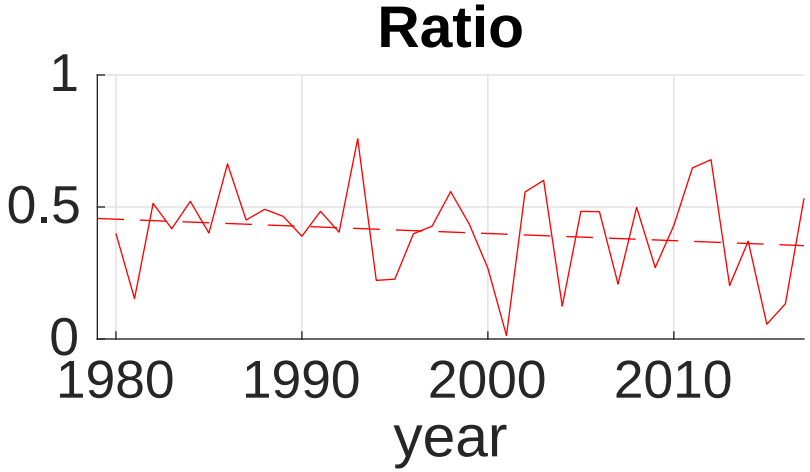
matched extreme trends

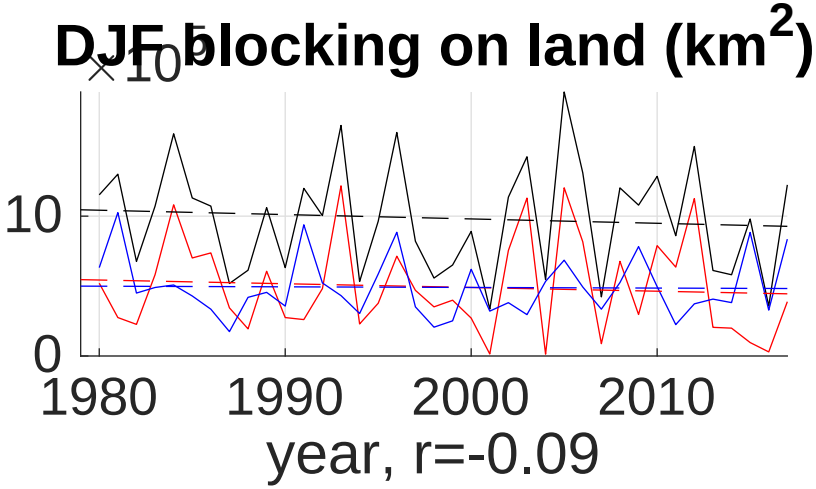


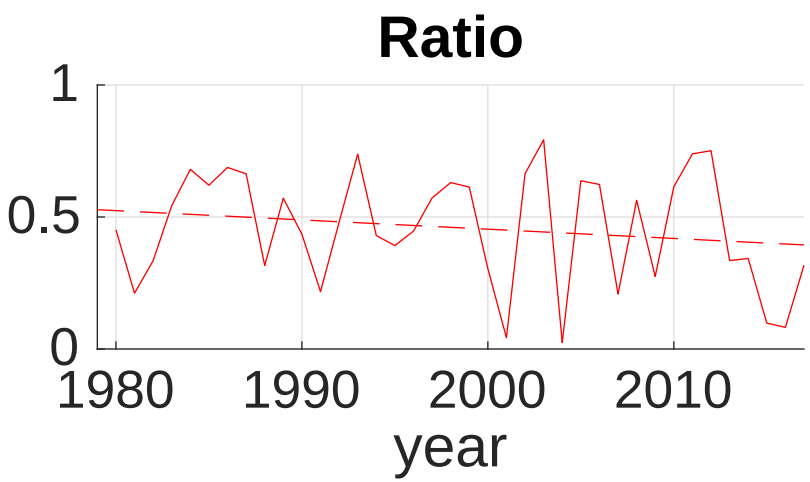
unmatched extreme trends

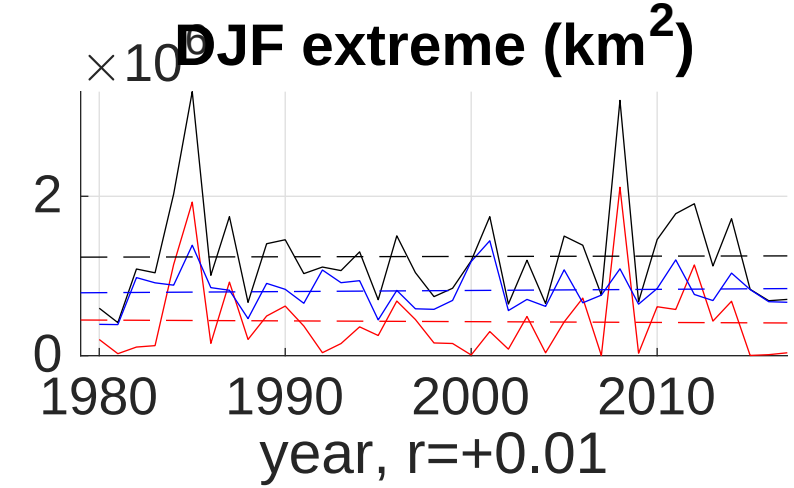


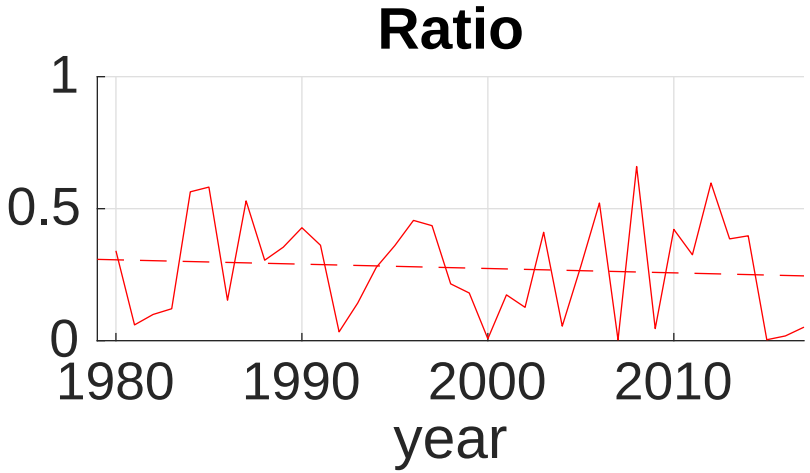

DJF blocking (km2)
×10^6
2
1
0
1980
1990
2000
2010
year, r=-0.12

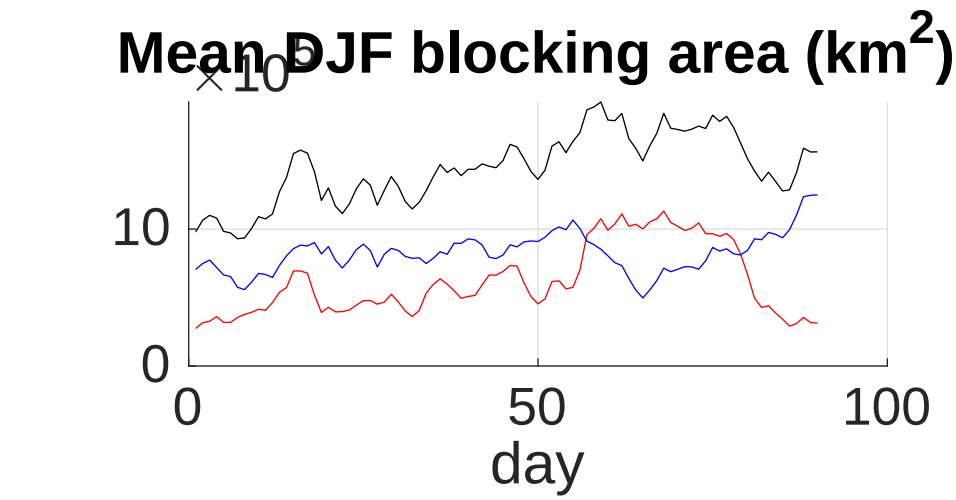

Ratio
1
0.5
0
1980
1990
2000
2010
year

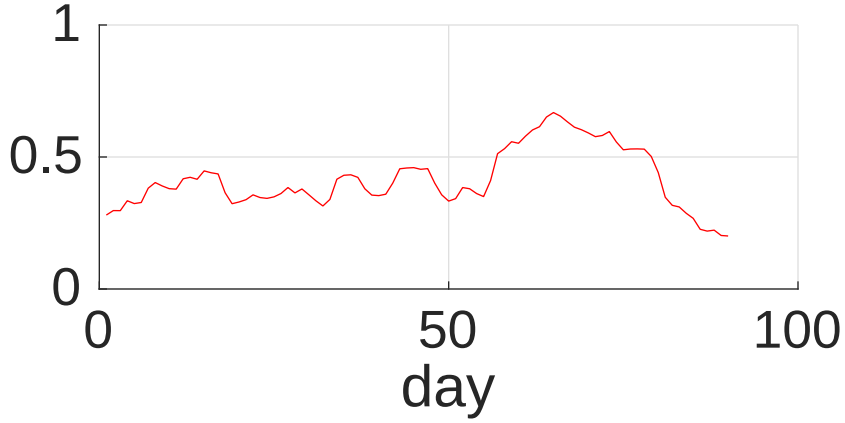

DJF blocking on land (km2)
×10^5
10
0
1980
1990
2000
2010
year, r=-0.09

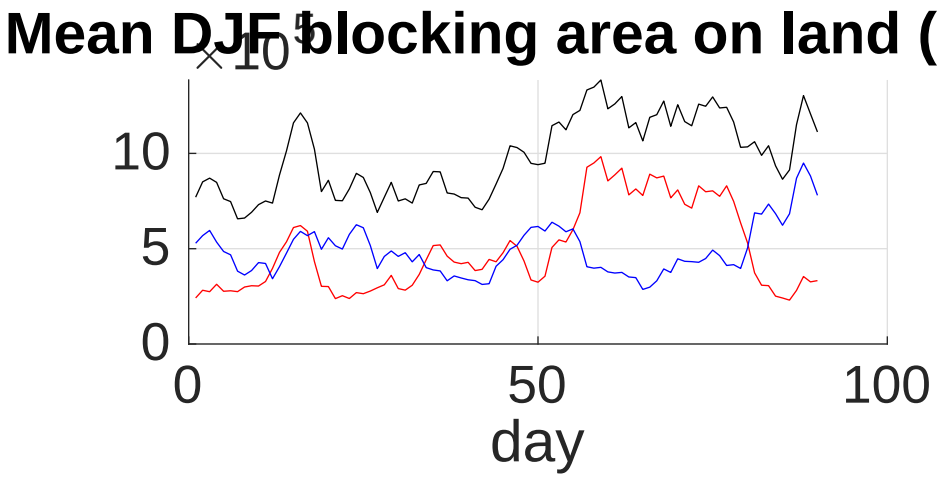

Ratio
1
0.5
0
1980
1990
2000
2010
year

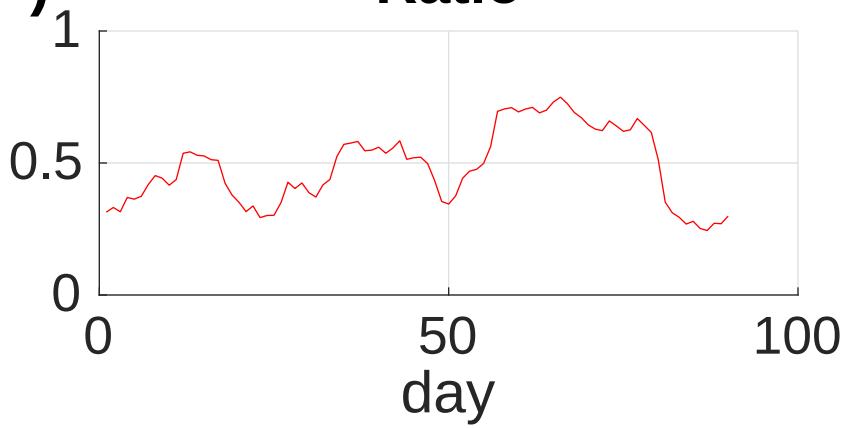

DJF extreme (km2)
×10^6
2
0
1980
1990
2000
2010
year, r=+0.01

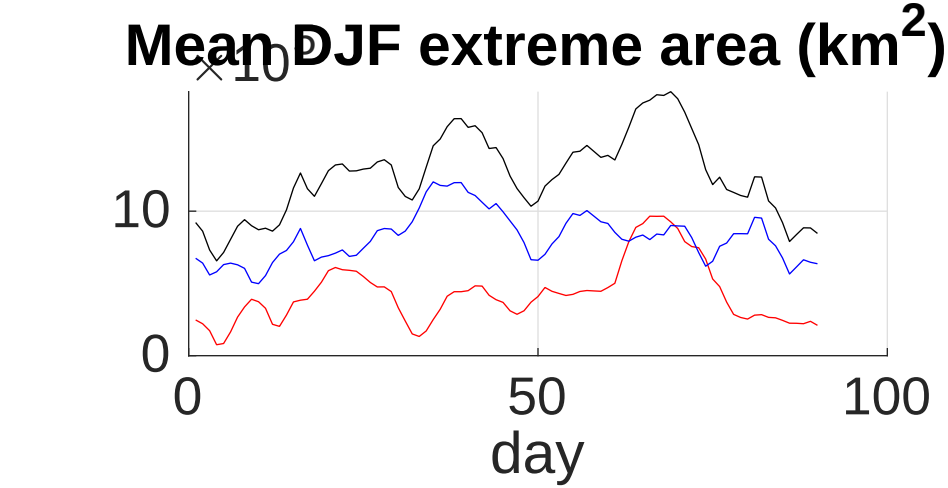

Ratio
1
0.5
0
1980
1990
2000
2010
year

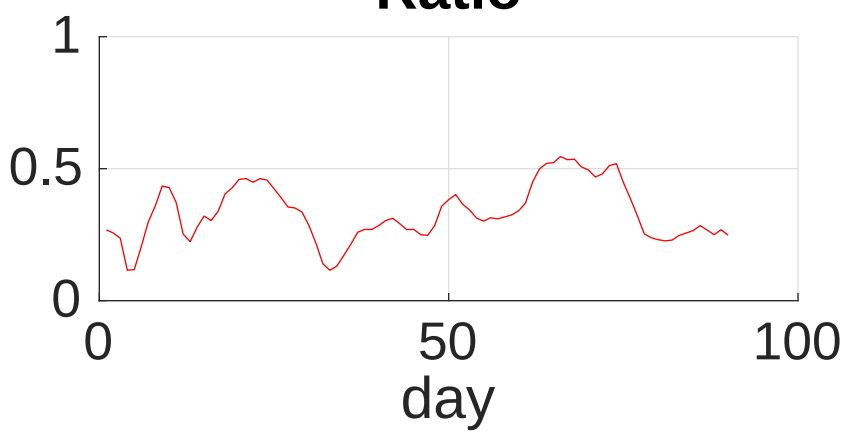

Mean DJF blocking area (km2)
×10^5
10
0
0
50
100
day


Ratio
1
0.5
0
0
50
100
day


Mean DJF blocking area on land (km2)
×10^5
10
5
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