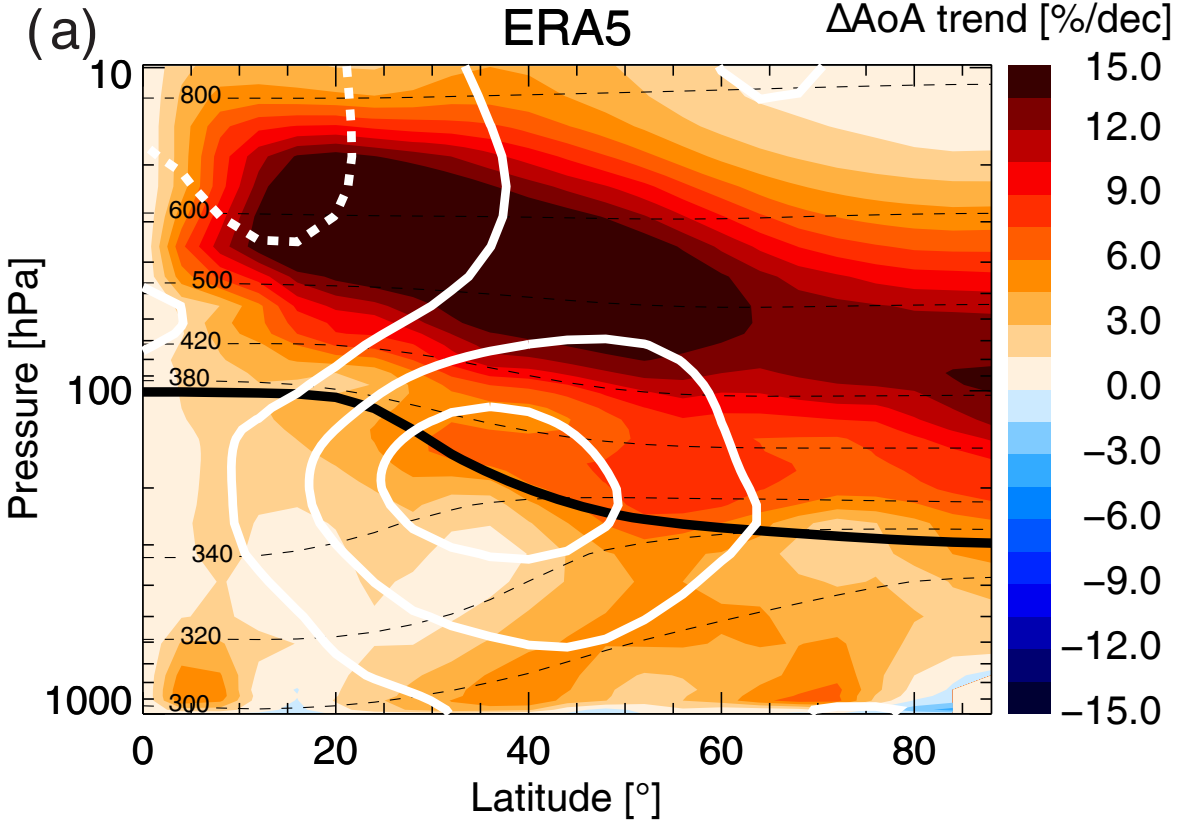
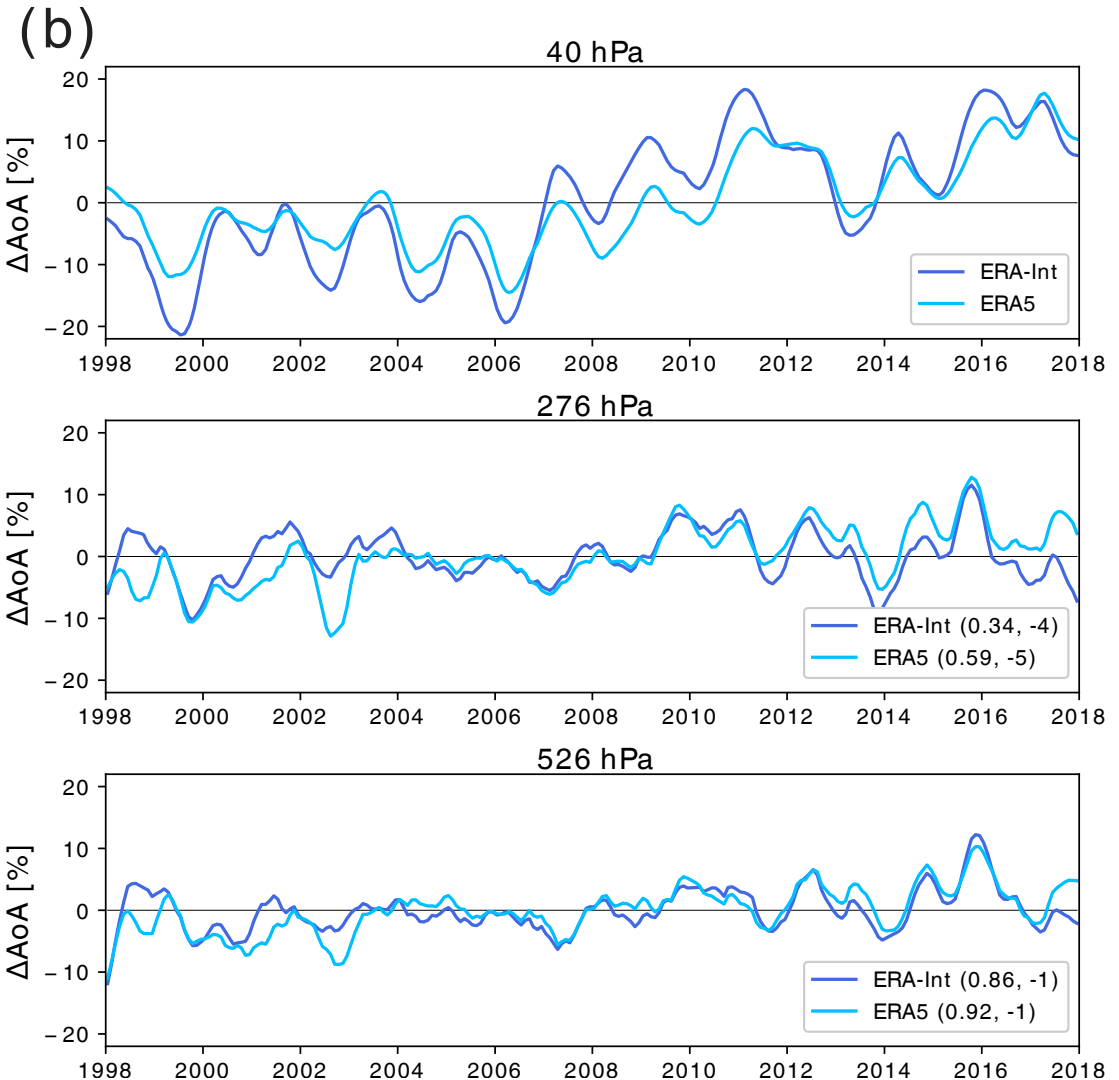

(a)
ERA5
ΔAoA trend [%/dec]
Pressure [hPa]
Latitude [°]
800
600
500
420
380
340
320
300
10
100
1000
0
20
40
60
80
15.0
12.0
9.0
6.0
3.0
0.0
−3.0
−6.0
−9.0
−12.0
−15.0


(b)
40 hPa
ΔAoA [%]
ERA-Int
ERA5
276 hPa
ΔAoA [%]
ERA-Int (0.34, -4)
ERA5 (0.59, -5)
526 hPa
ΔAoA [%]
ERA-Int (0.86, -1)
ERA5 (0.92, -1)
20
10
0
−10
−20
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018