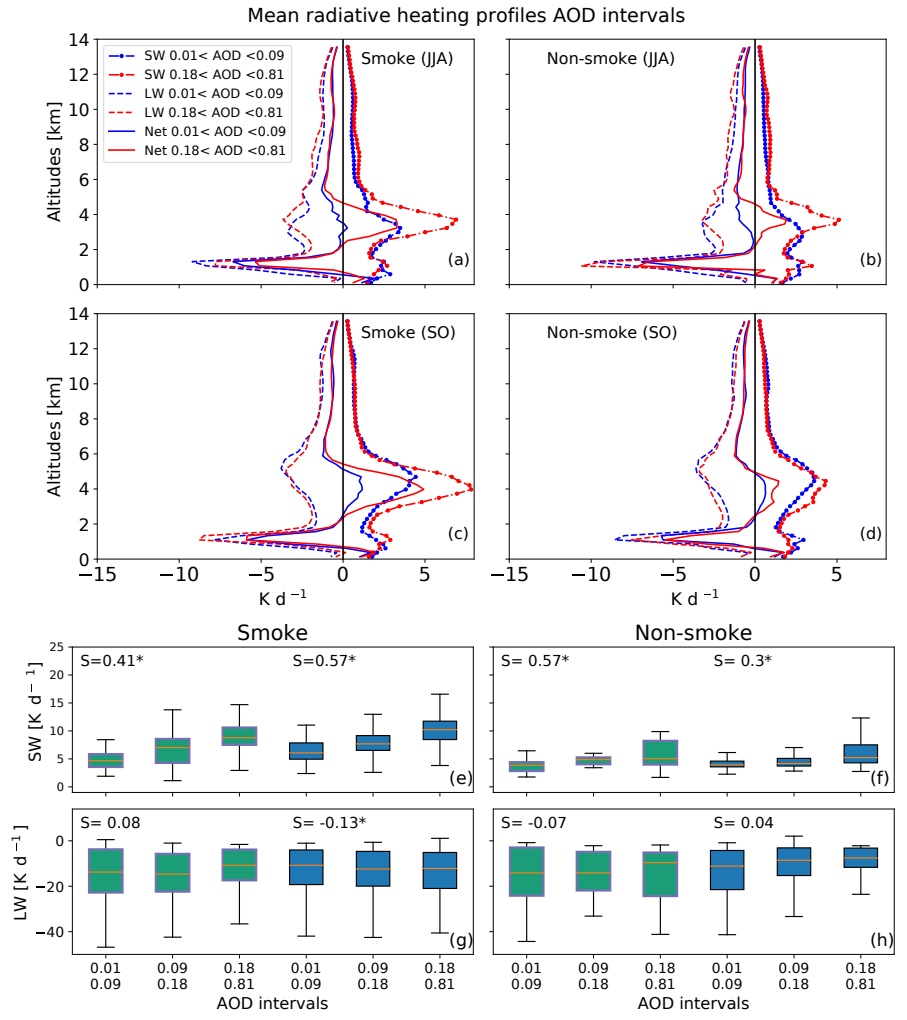
Mean radiative heating profiles AOD intervals
SW 0.01< AOD <0.09
SW 0.18< AOD <0.81
LW 0.01< AOD <0.09
LW 0.18< AOD <0.81
Net 0.01< AOD <0.09
Net 0.18< AOD <0.81
Smoke (JJA)
Non-smoke (JJA)
Smoke (SO)
Non-smoke (SO)
(a)
(b)
(c)
(d)
Altitudes [km]
K d −1
Smoke
Non-smoke
S=0.41*
S=0.57*
S= 0.57*
S= 0.3*
S= 0.08
S= -0.13*
S= -0.07
S= 0.04
SW [K d − 1]
LW [K d −1]
(e)
(f)
(g)
(h)
0.01 0.09
0.09 0.18
0.18 0.81
AOD intervals