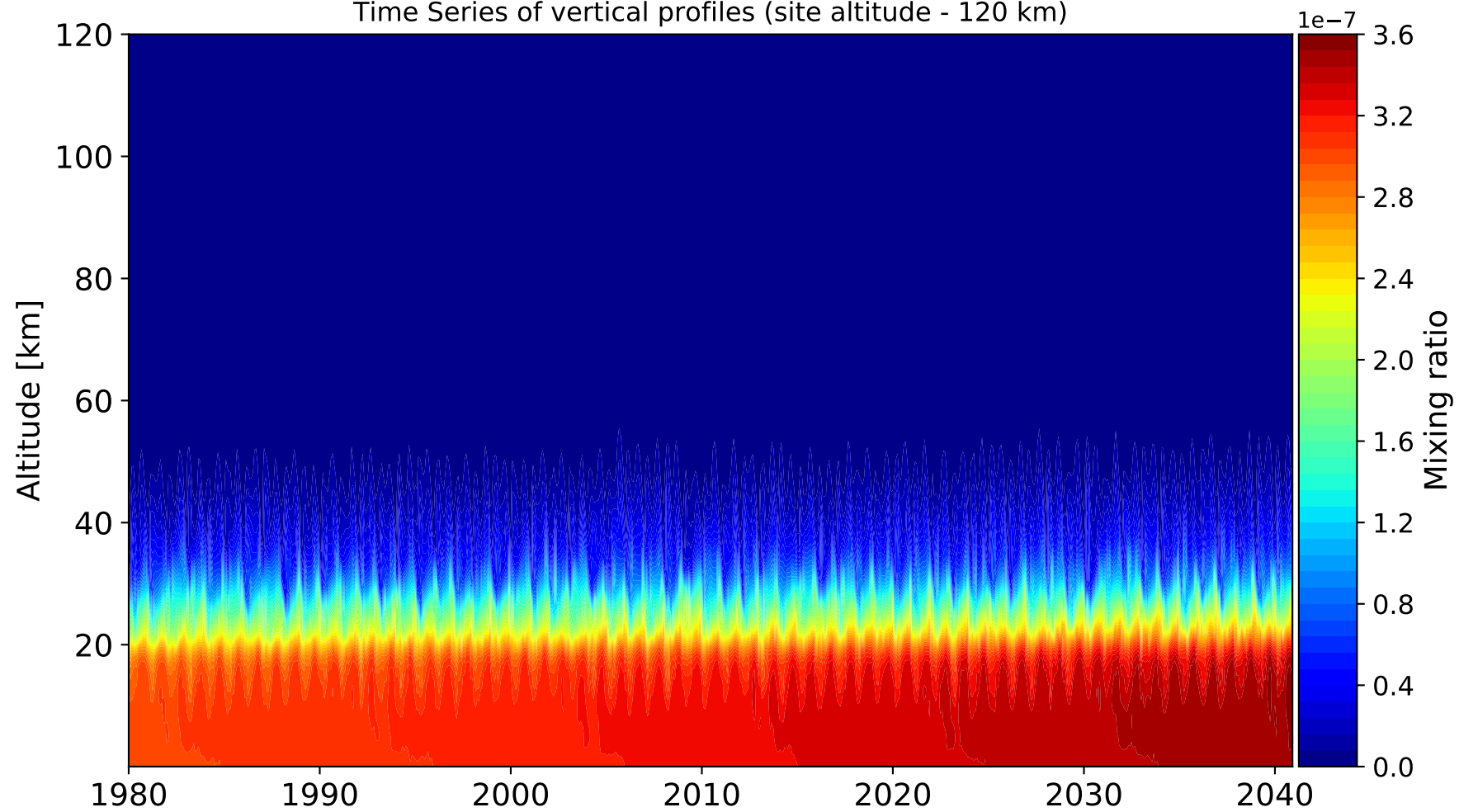
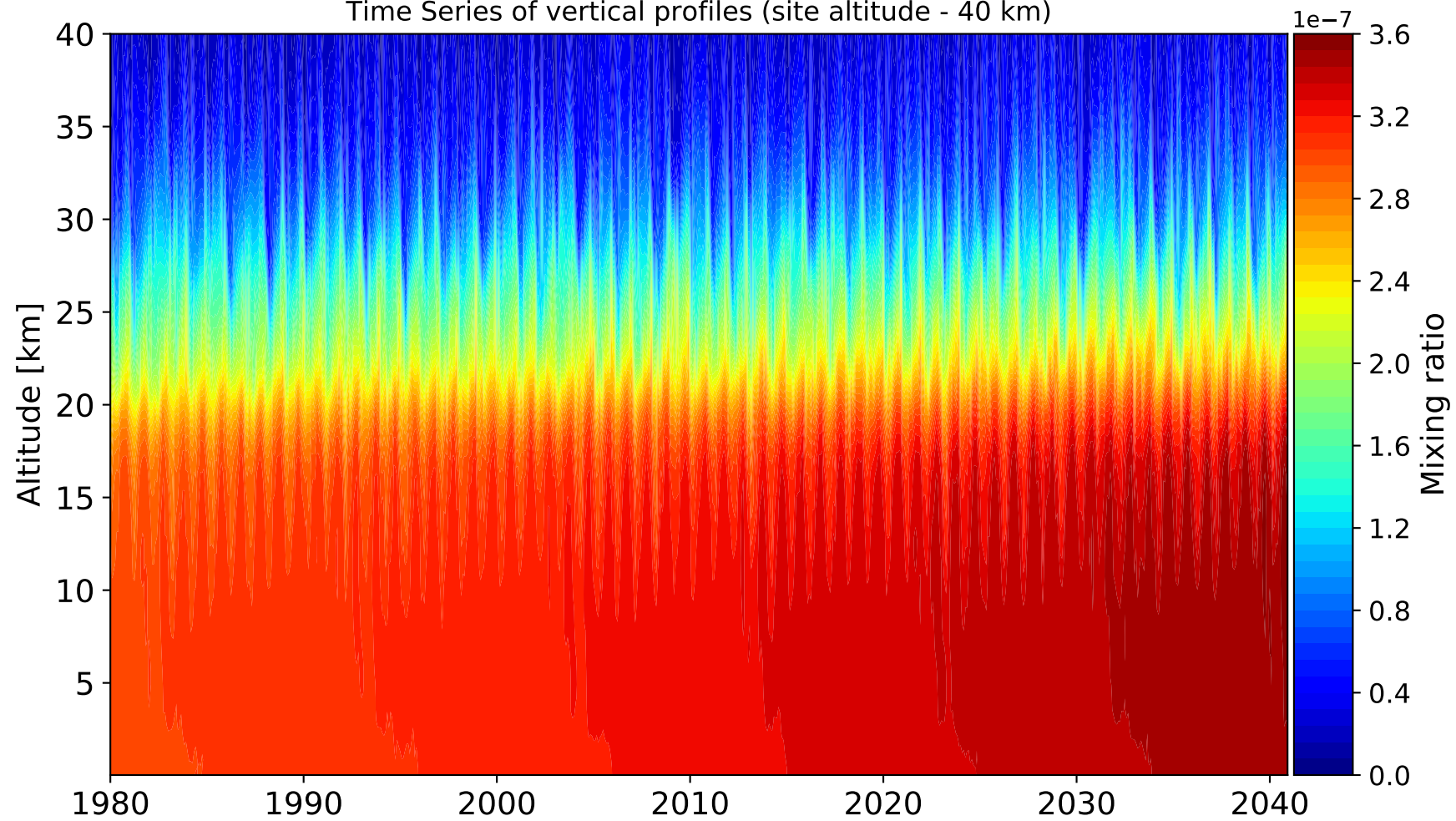


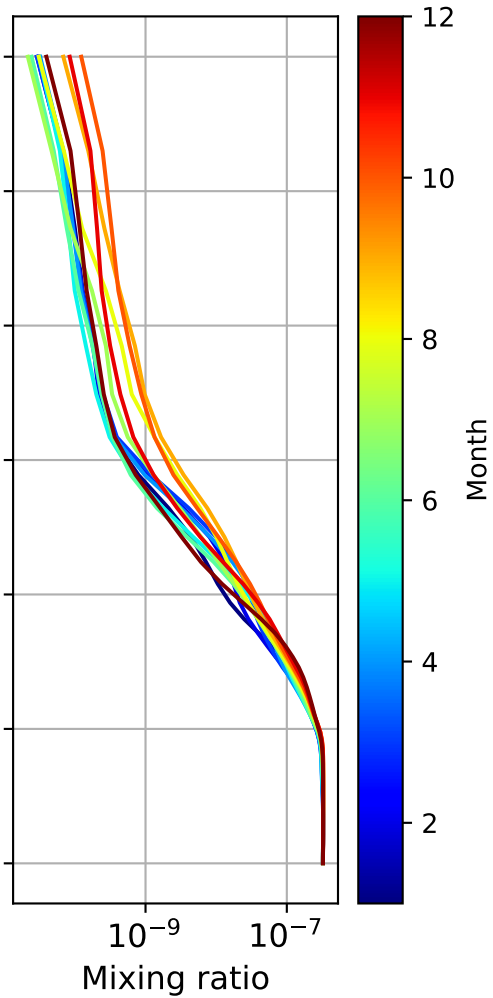
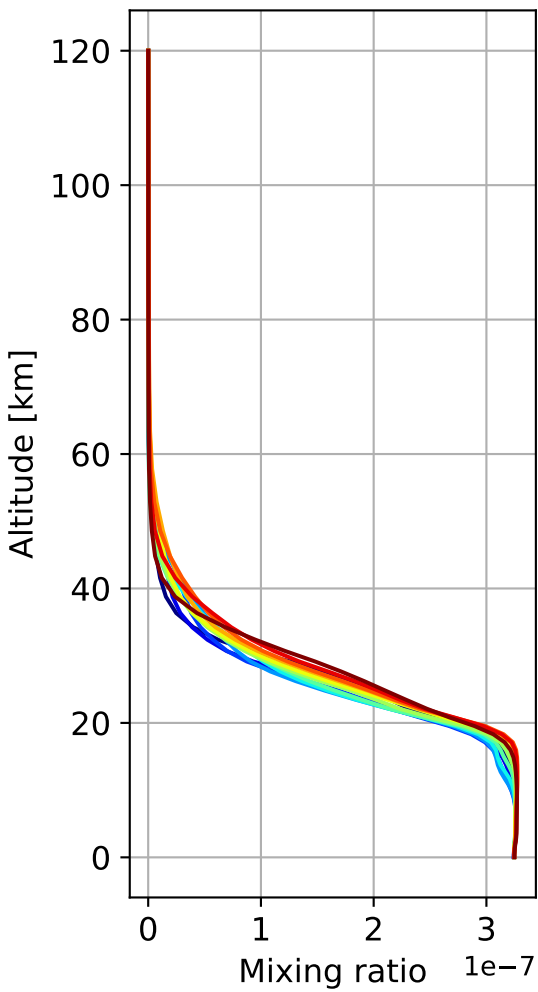
Time Series of vertical profiles (site altitude - 120 km)



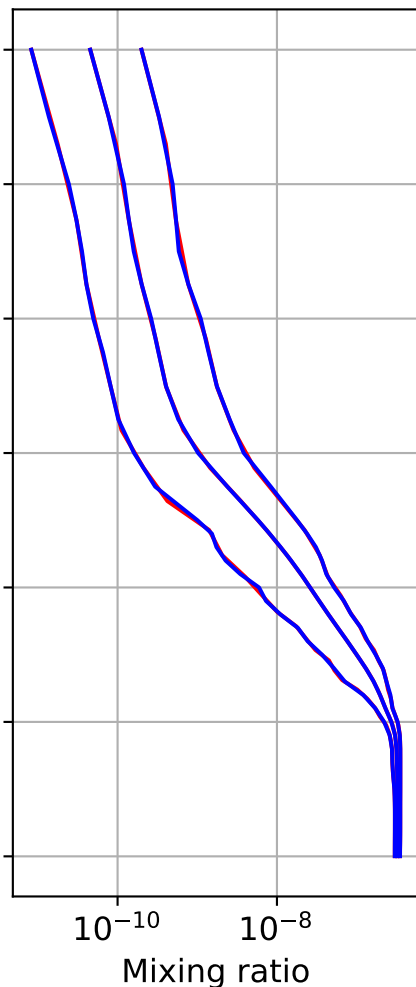
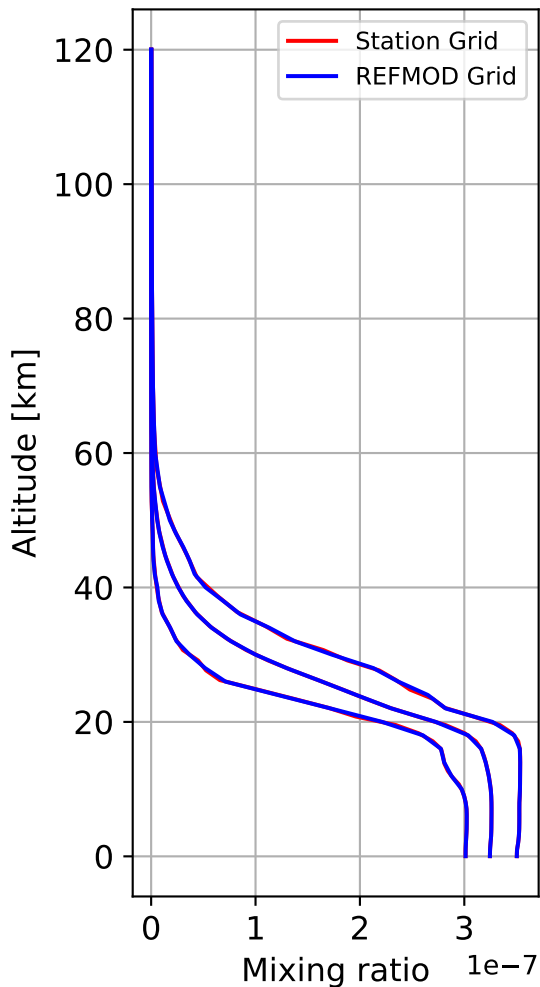
Time Series of vertical profiles (site altitude - 40 km)



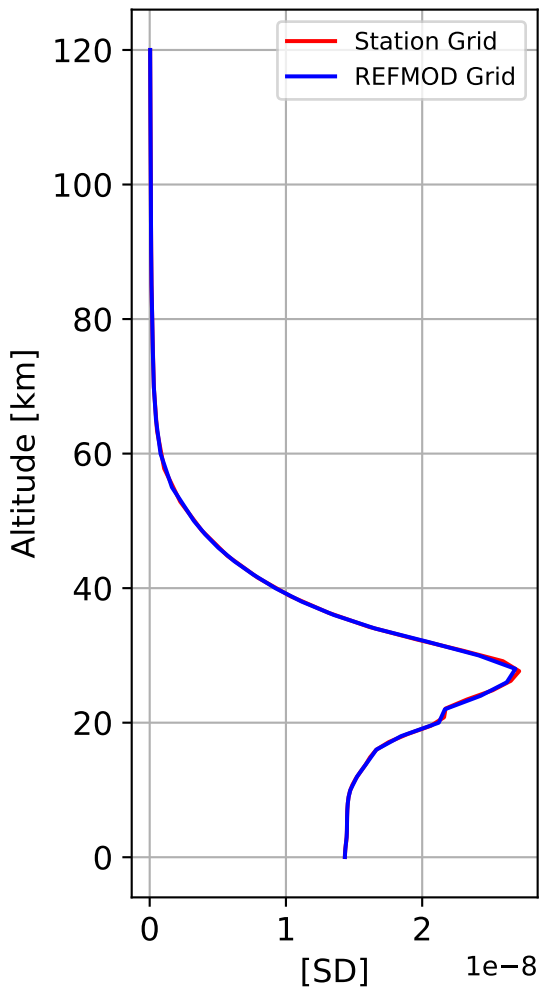
Monthly mean WACCM profile (interpolated to station grid) Tsukuba, 36.05N, 140.12E, 0.031kmasl



Min, Max, Mean of 732 profiles
Tsukuba, 36.05N, 140.12E, 0.031kmasl



Std. Deviation



Percent Deviation

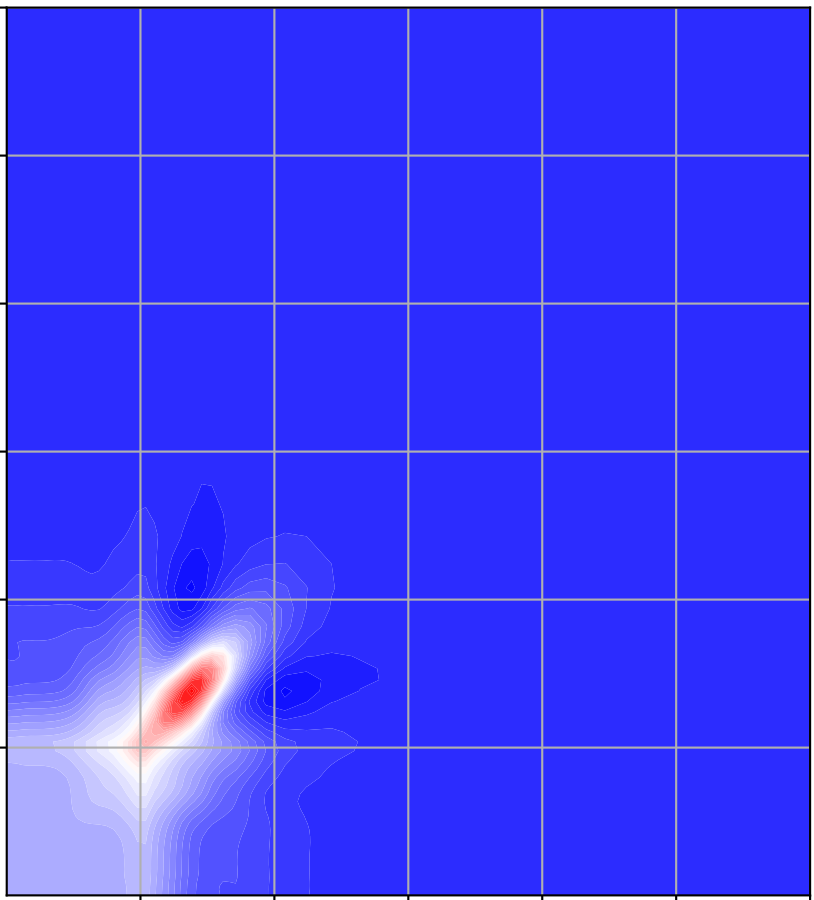


Level covariance matrix

$1e-16$

Altitude [km]

120
100
80
60
40
20



Mixing ratio[~ 2]

7
6
5
4
3
2
1
0

Altitude [km]