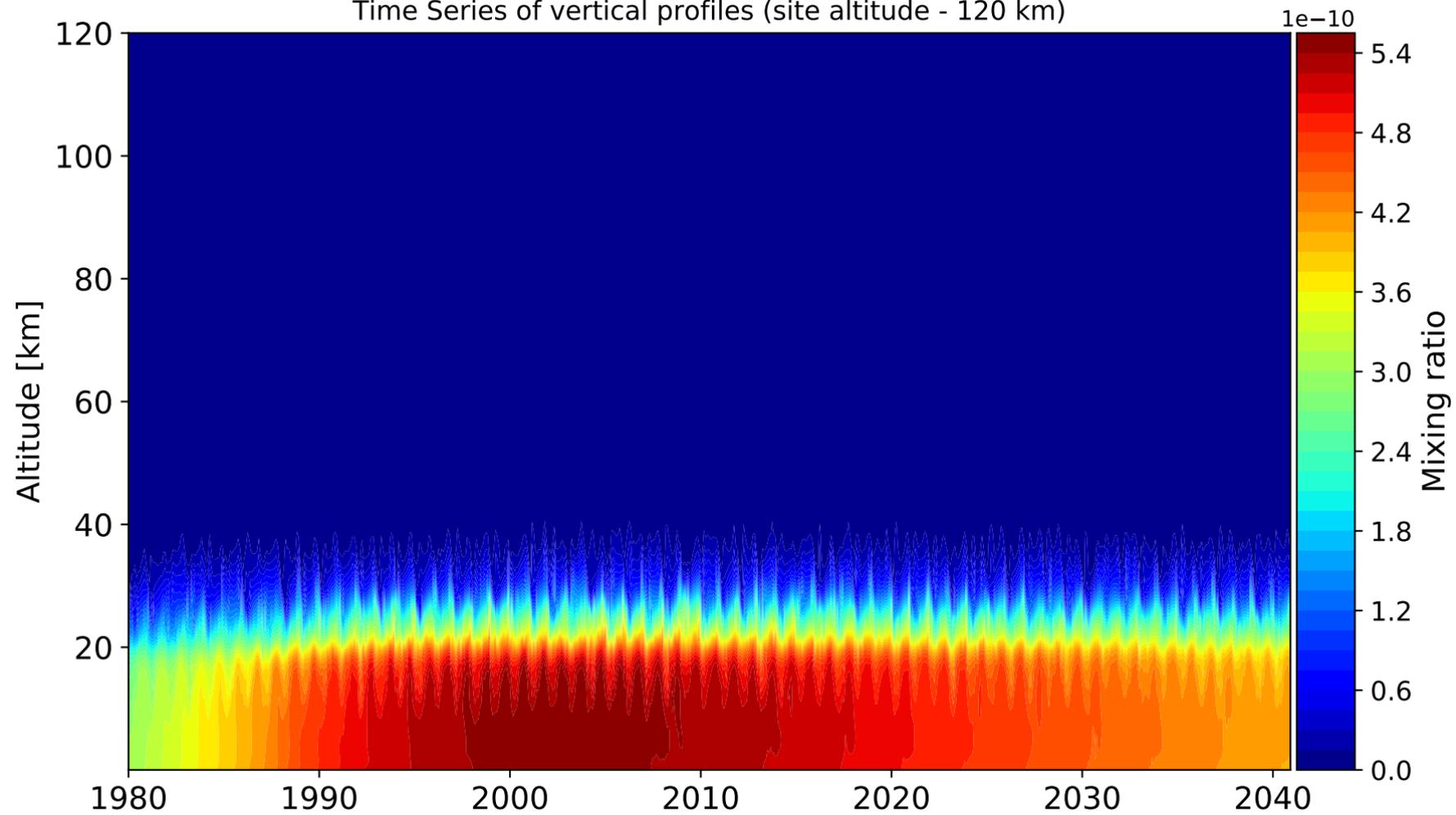
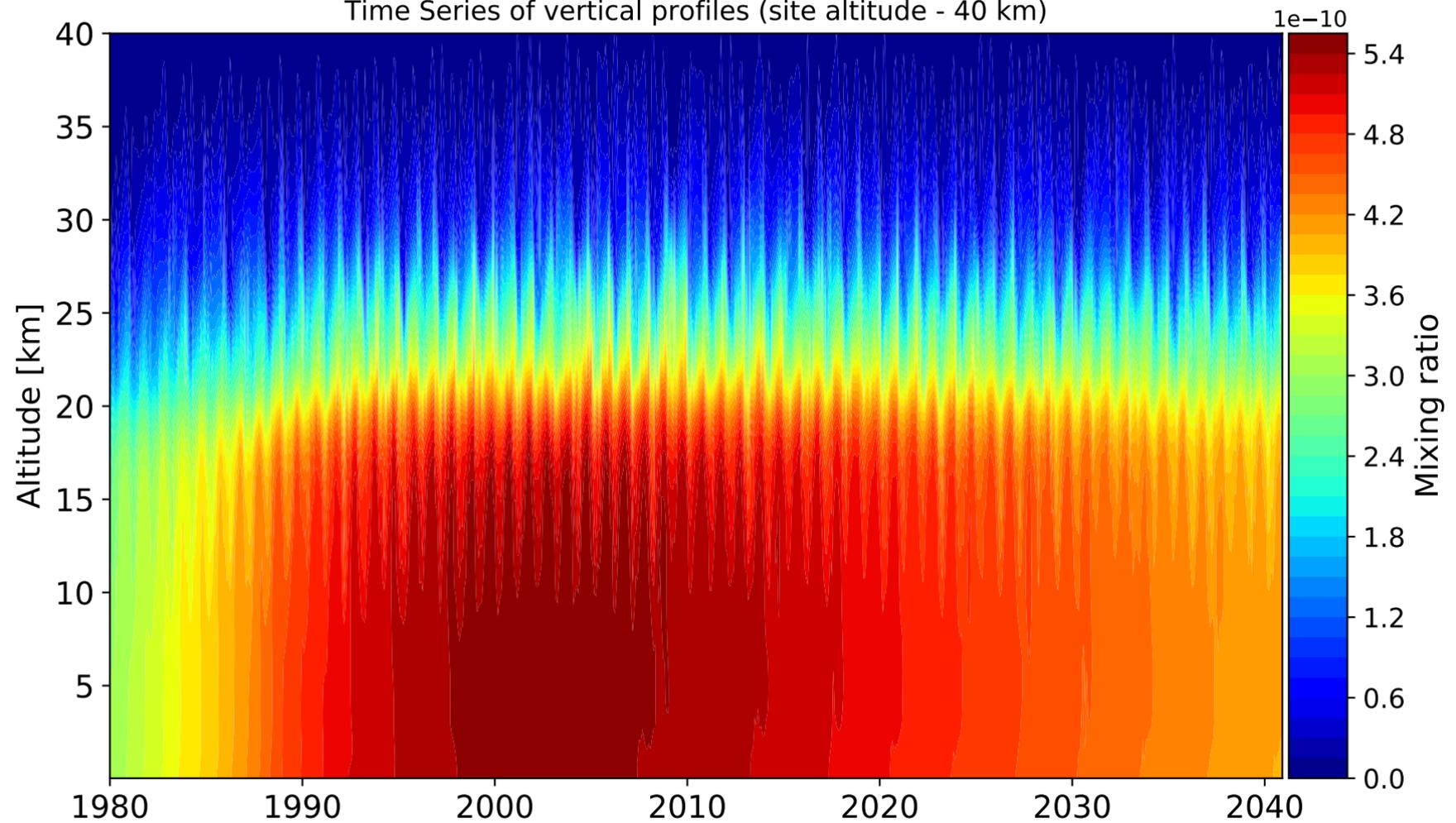


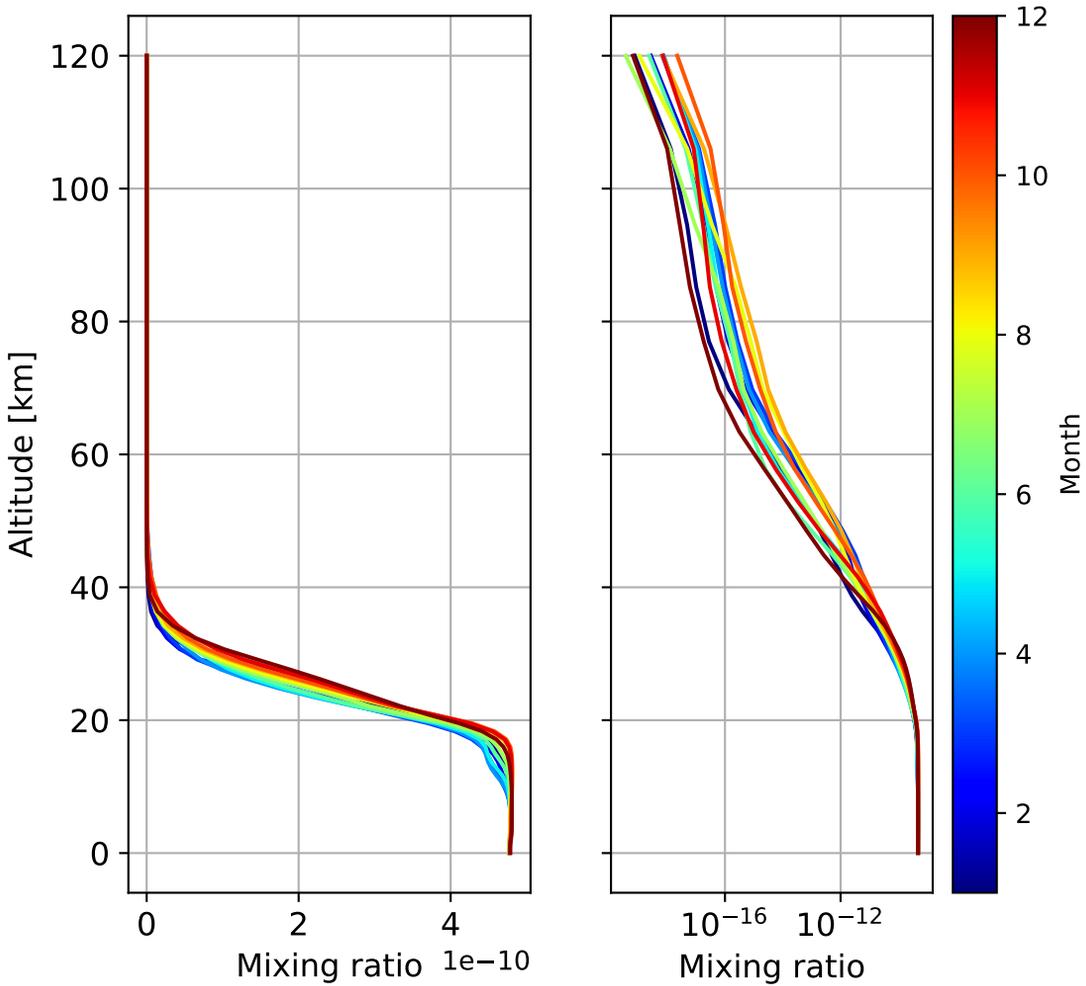
Time Series of vertical profiles (site altitude - 120 km)



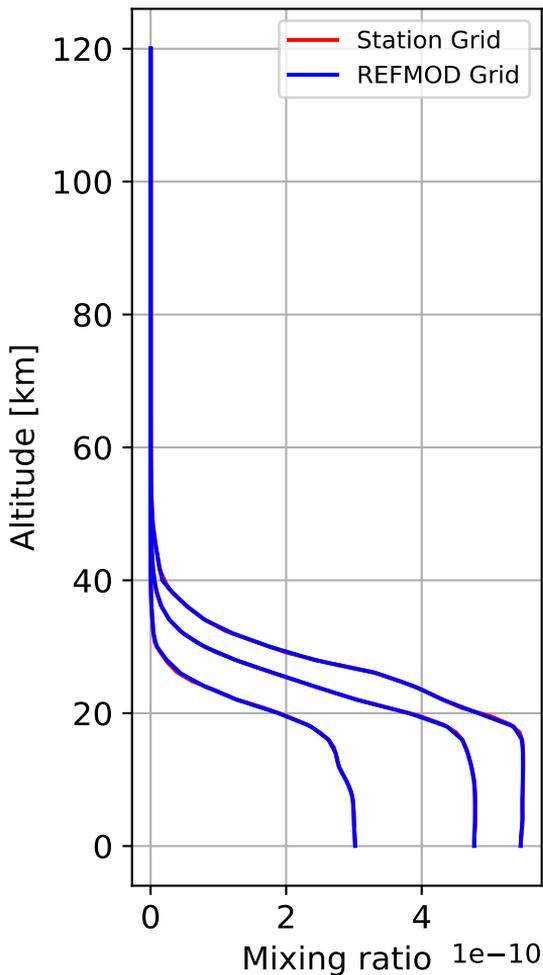
Time Series of vertical profiles (site altitude - 40 km)



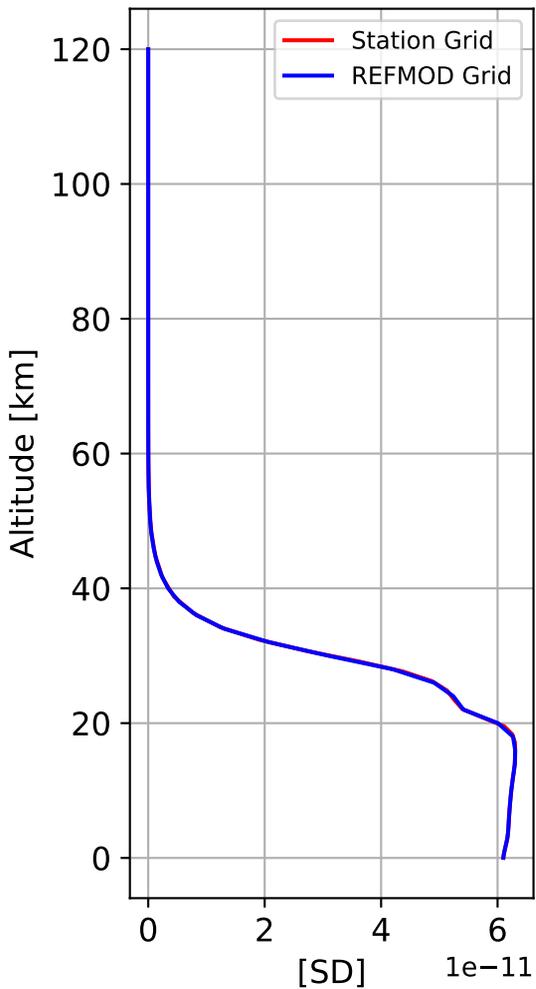
Monthly mean WACCM profile (interpolated to station grid) Tsukuba, 36.05N, 140.12E, 0.031km/sl



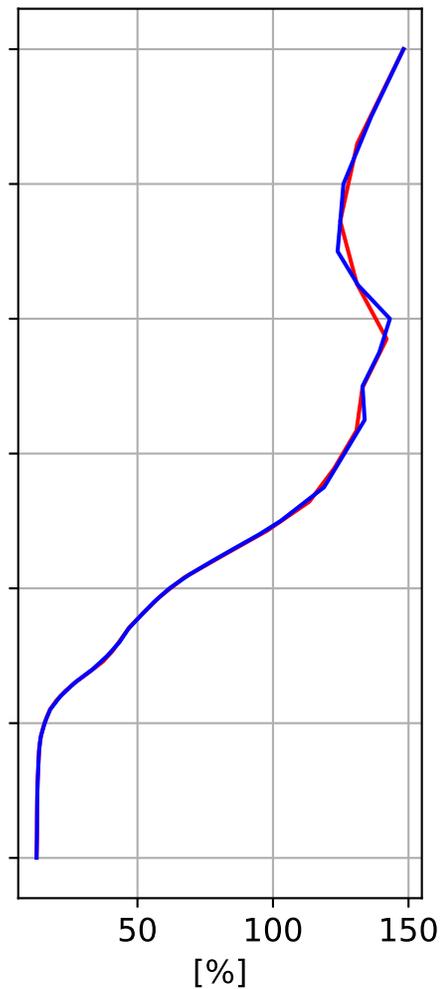
Min, Max, Mean of 732 profiles
Tsukuba, 36.05N, 140.12E, 0.031kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

$1e-21$

Altitude [km]

120
100
80
60
40
20

Mixing ratio[~ 2]

3.84
3.36
2.88
2.40
1.92
1.44
0.96
0.48
0.00

20 40 60 80 100 120

Altitude [km]

