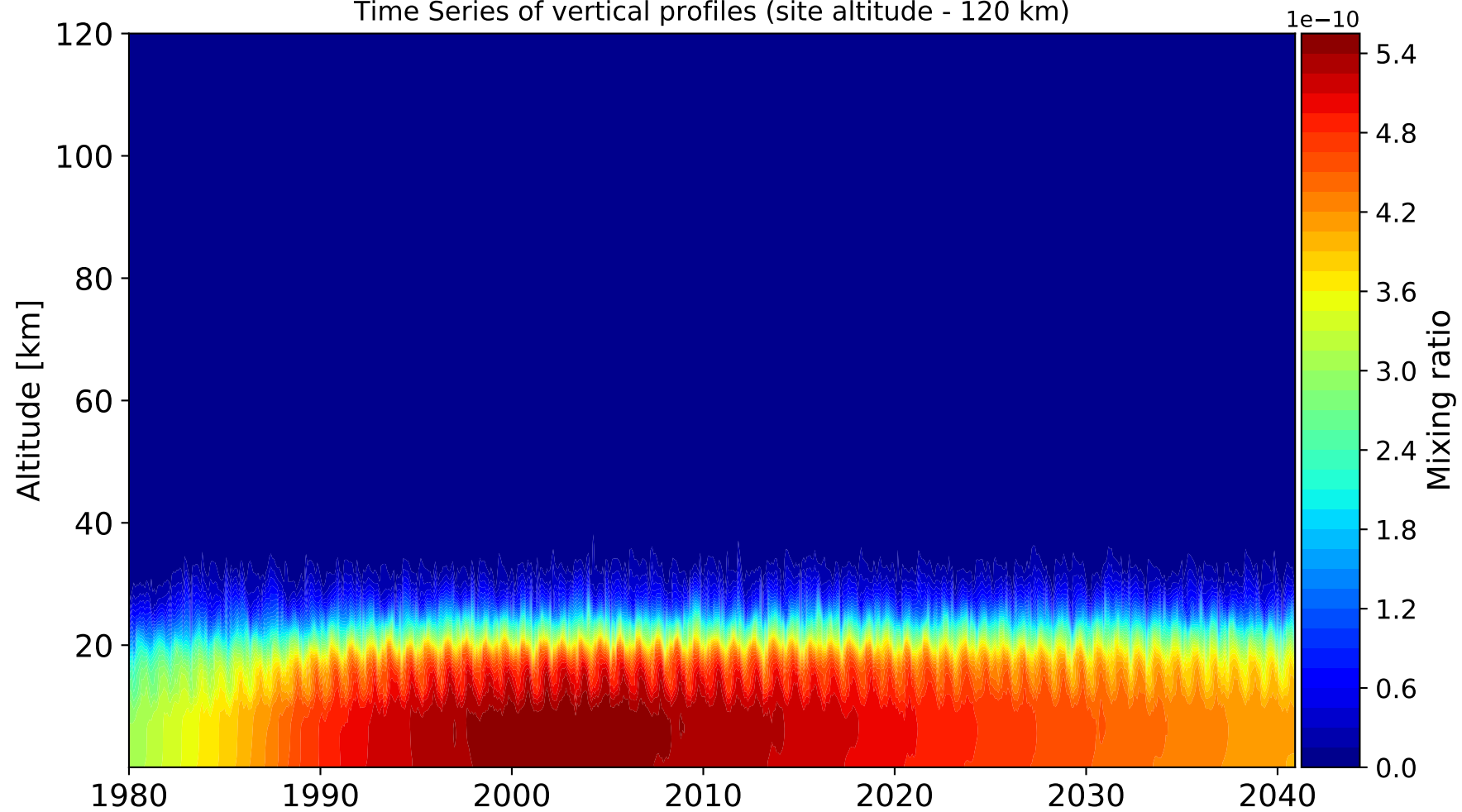
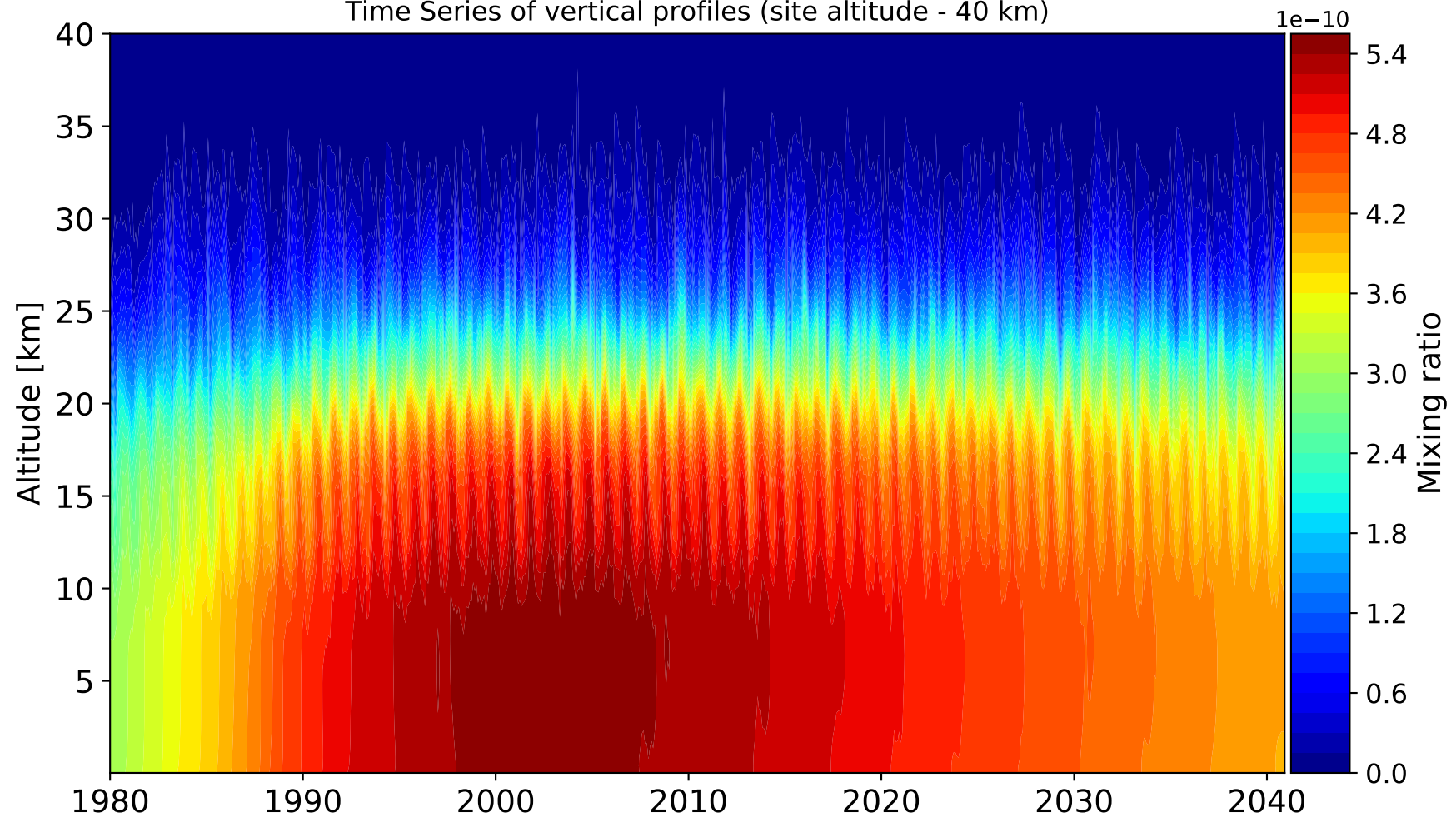


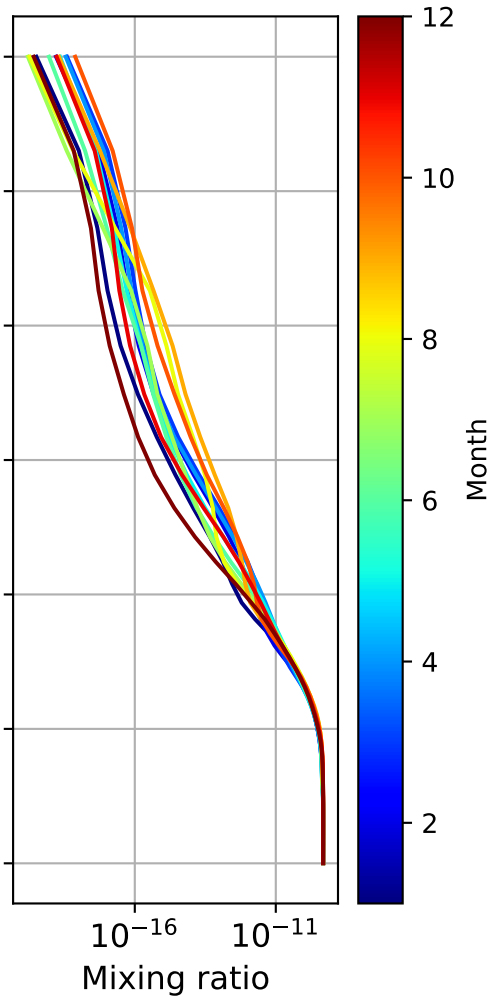
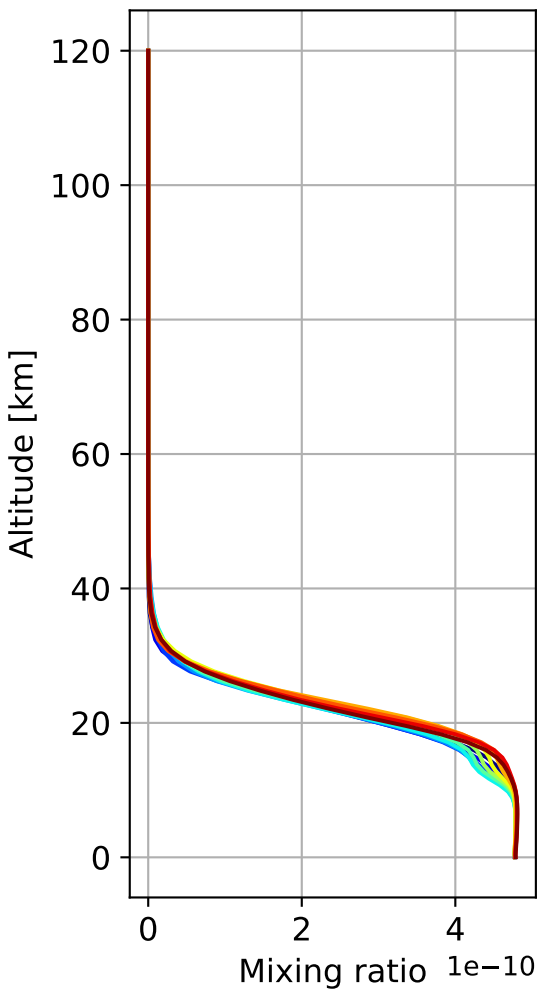
Time Series of vertical profiles (site altitude - 120 km)



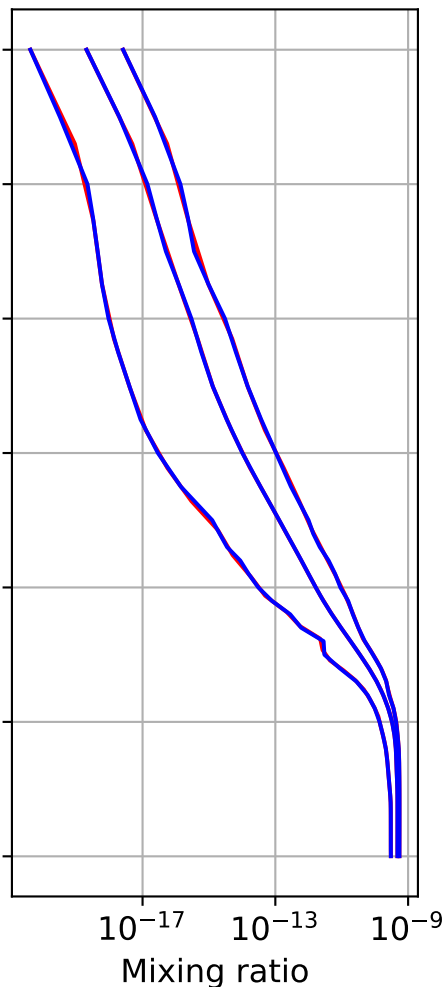
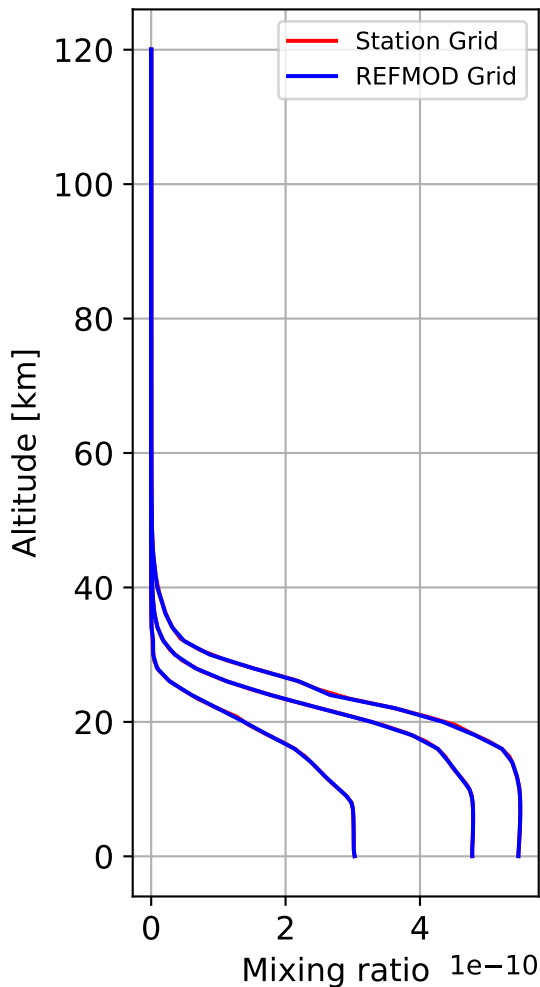
Time Series of vertical profiles (site altitude - 40 km)



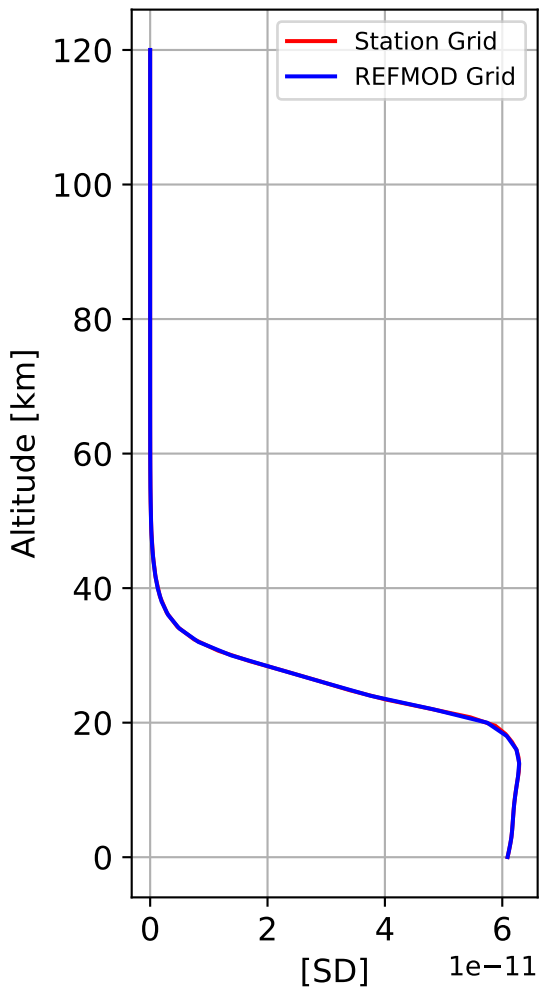
Monthly mean WACCM profile (interpolated to station grid) Bremen, 53.1N, 8.9E, 0.027kmasl



Min, Max, Mean of 732 profiles
Bremen, 53.1N, 8.9E, 0.027kmasl



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]

