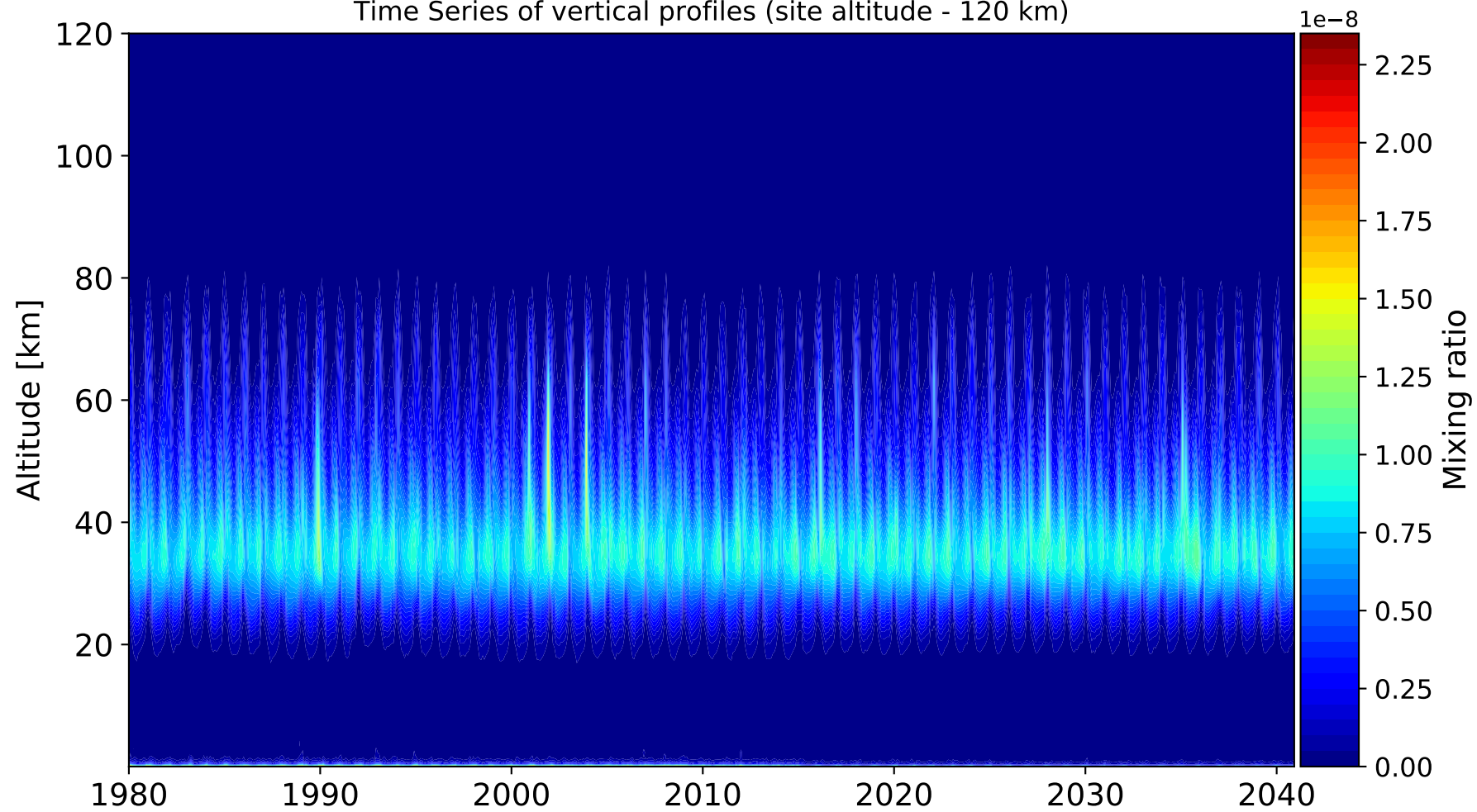
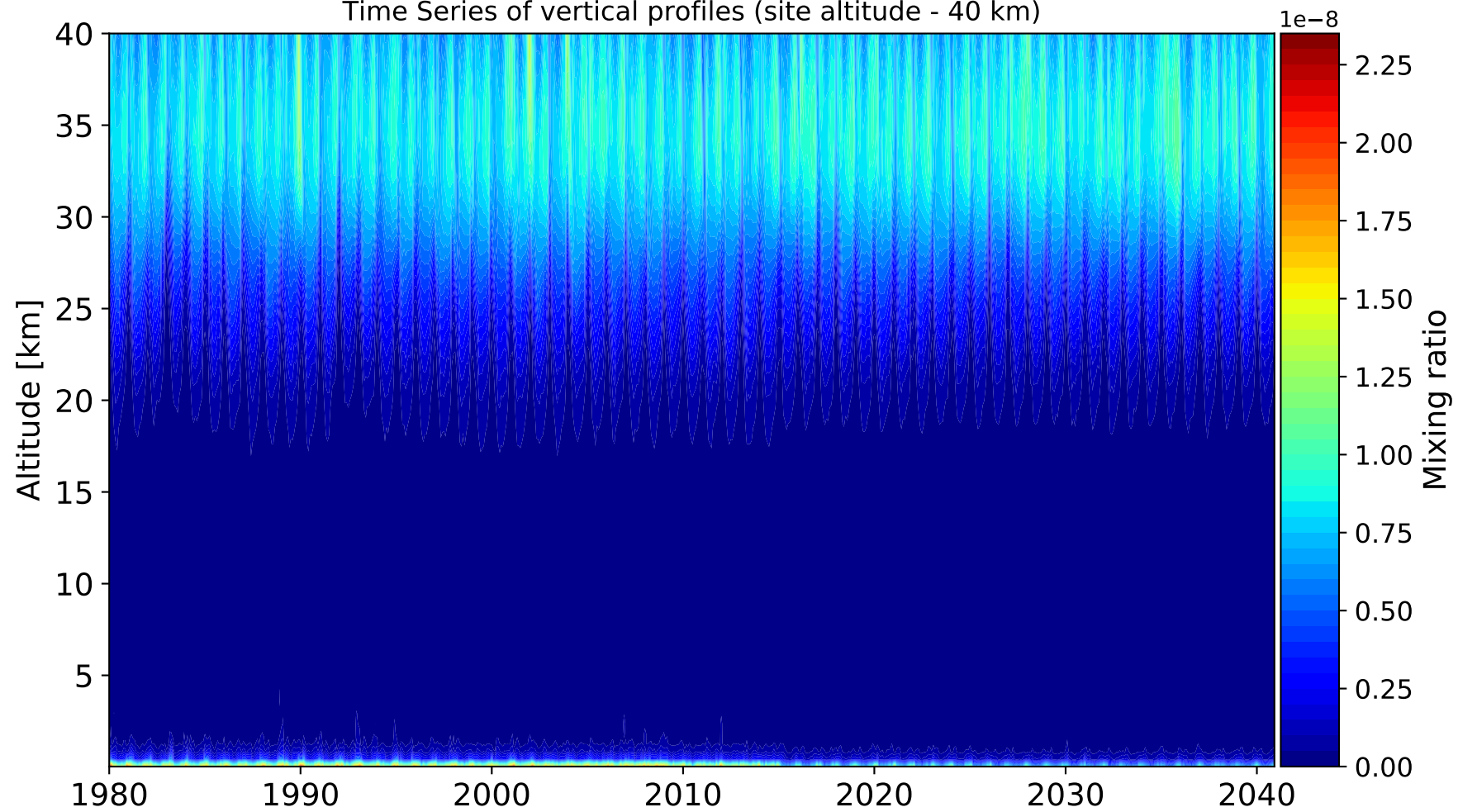


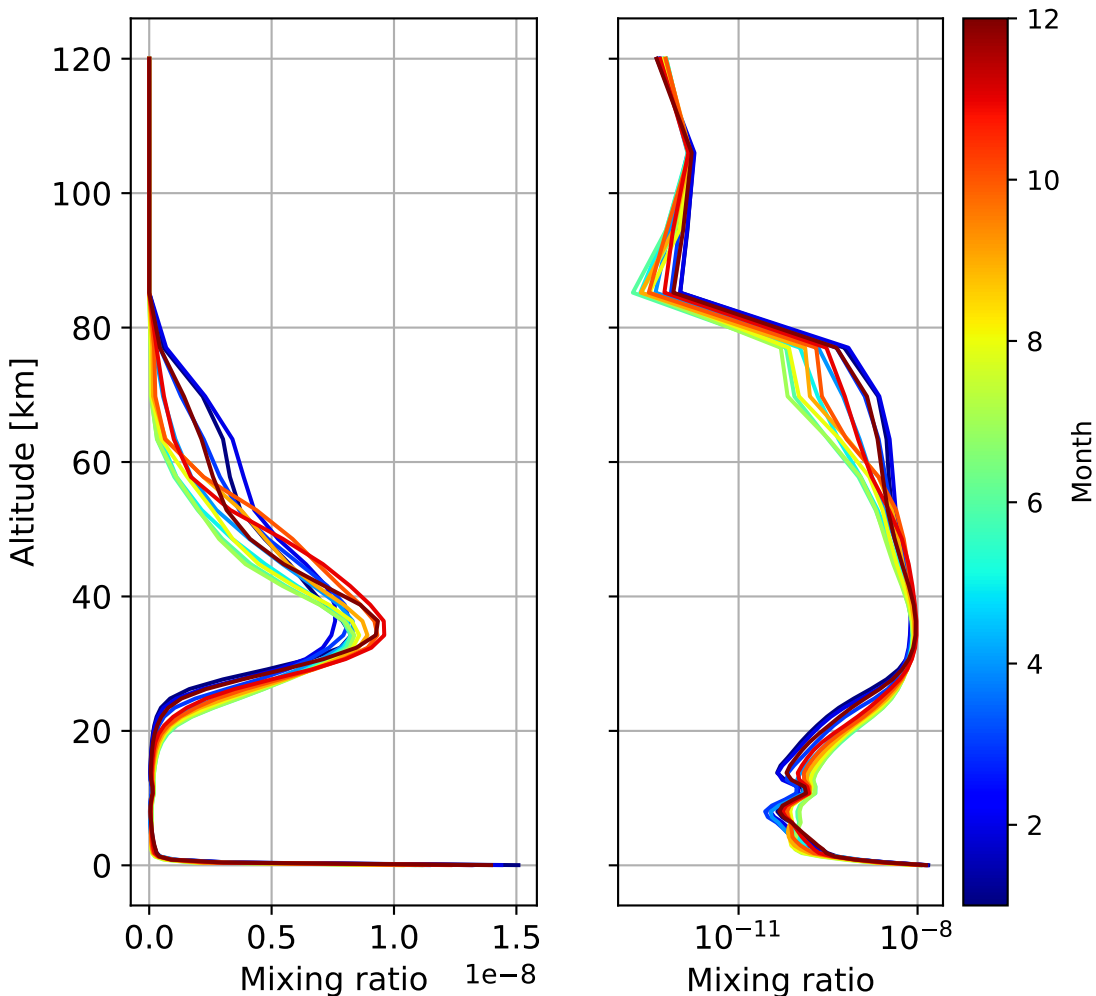
Time Series of vertical profiles (site altitude - 120 km)



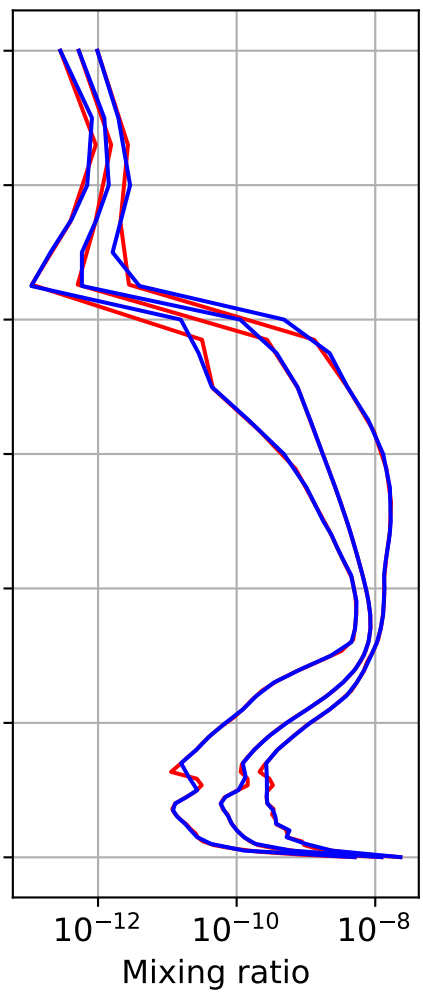
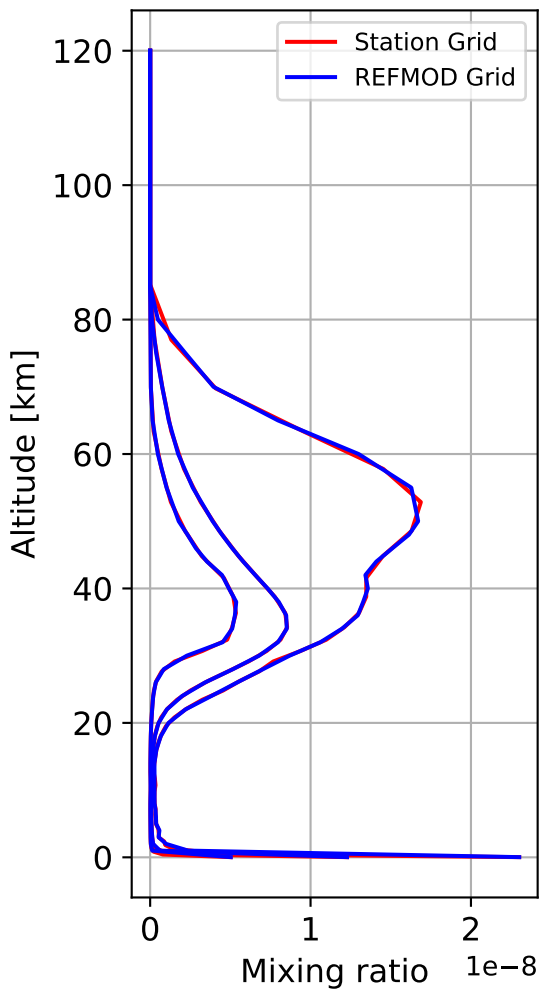
Time Series of vertical profiles (site altitude - 40 km)



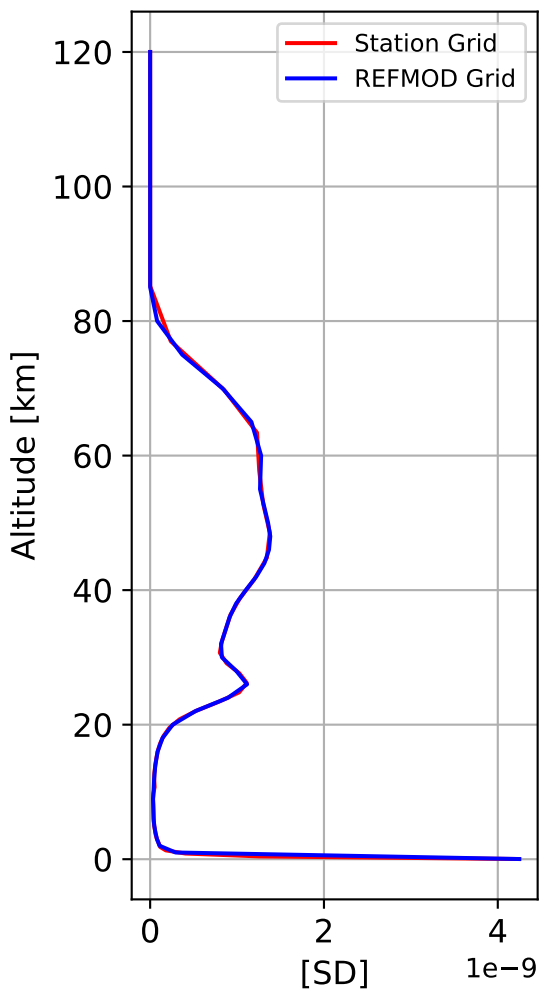
Monthly mean WACCM profile (interpolated to station grid) Bremen, 53.1N, 8.9E, 0.027kmasl



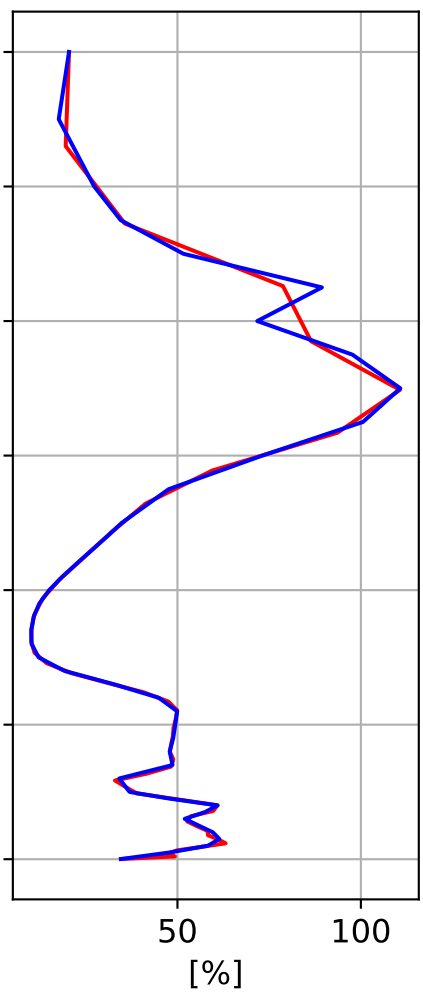
Min, Max, Mean of 732 profiles
Bremen, 53.1N, 8.9E, 0.027kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

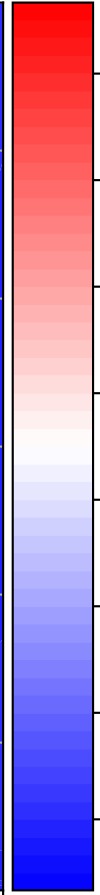
$1e-17$

Altitude [km]

120
100
80
60
40
20

20 40 60 80 100 120

Altitude [km]



1.68
1.44
1.20
0.96
0.72
0.48
0.24
0.00

Mixing ratio²

