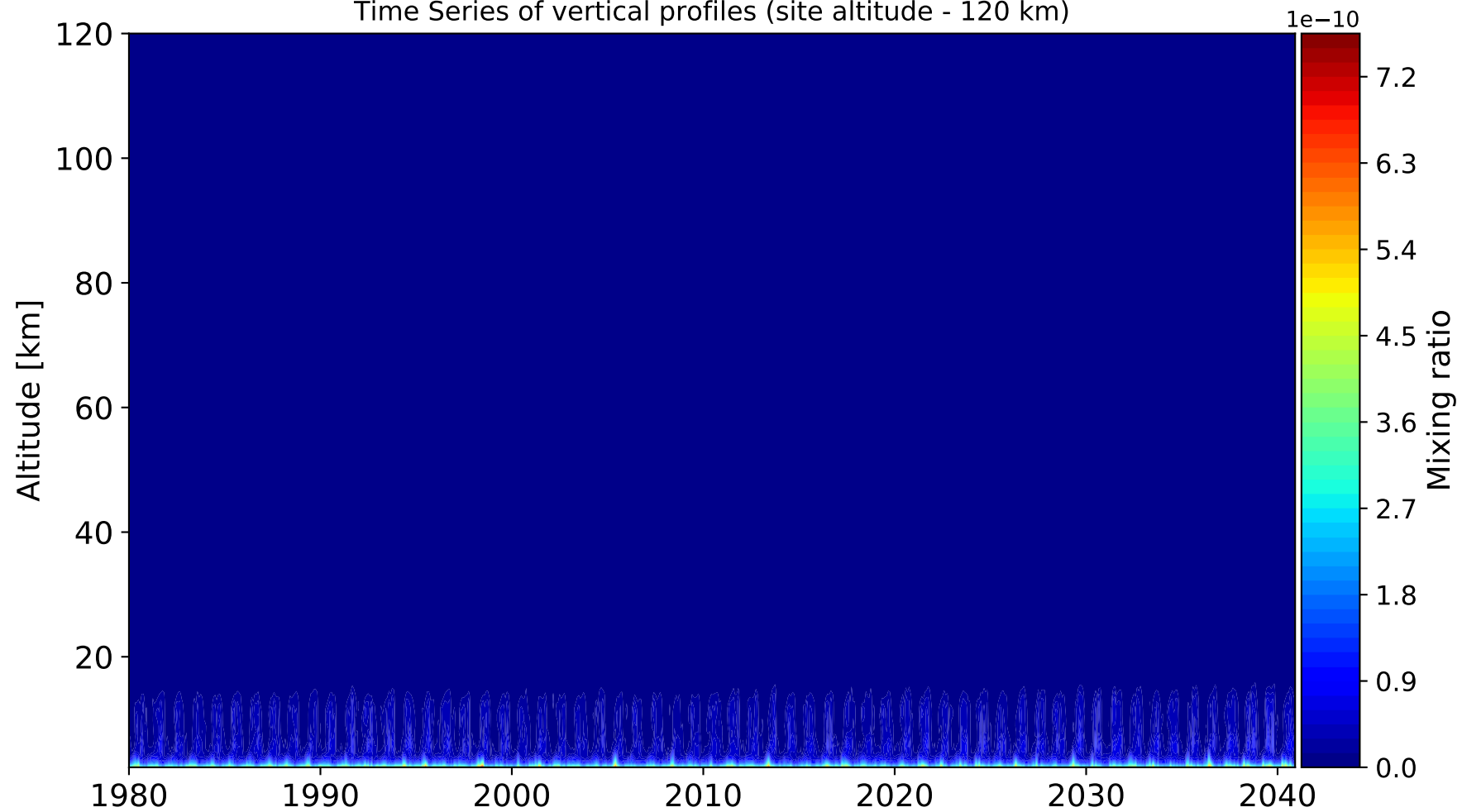
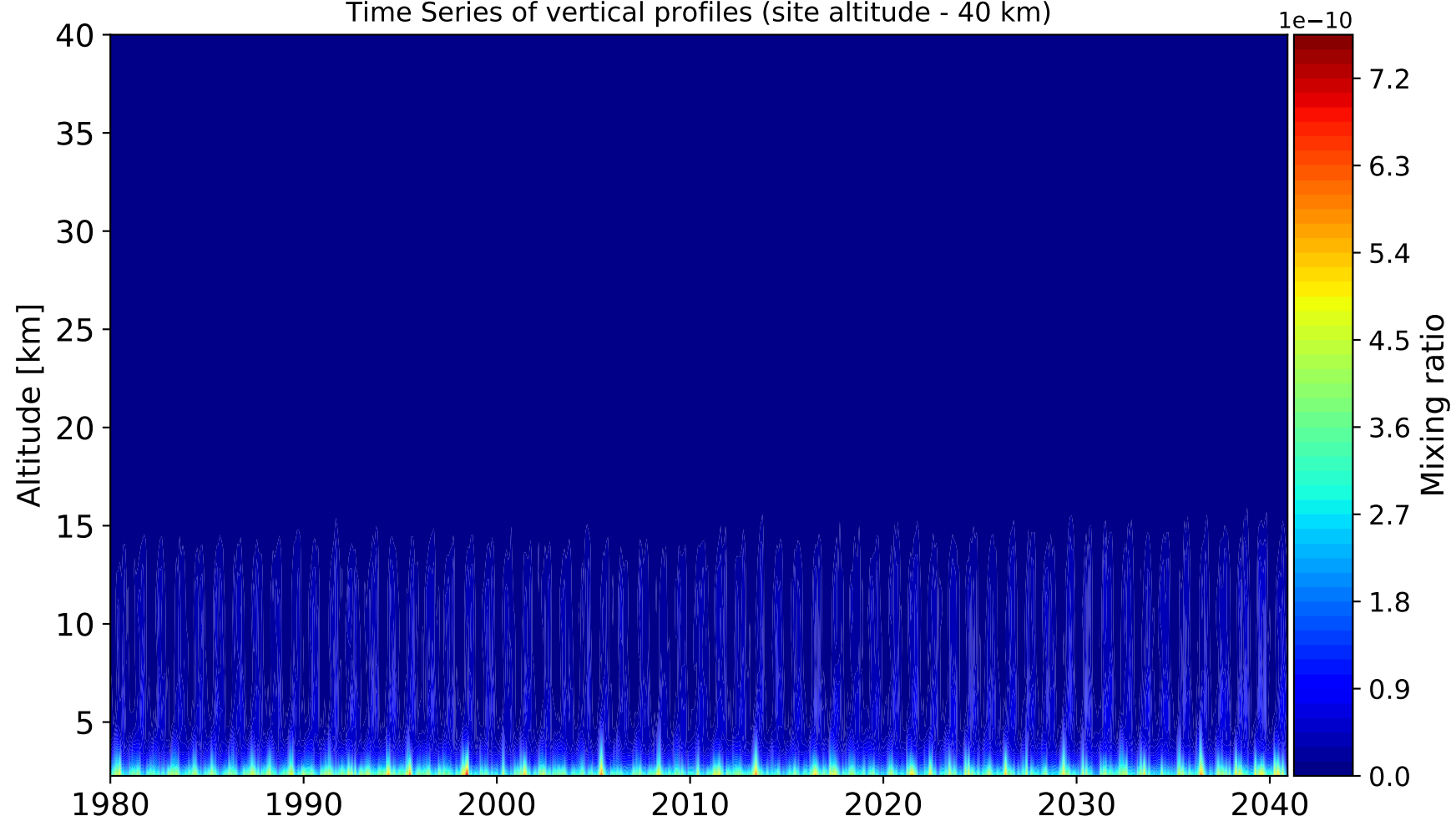


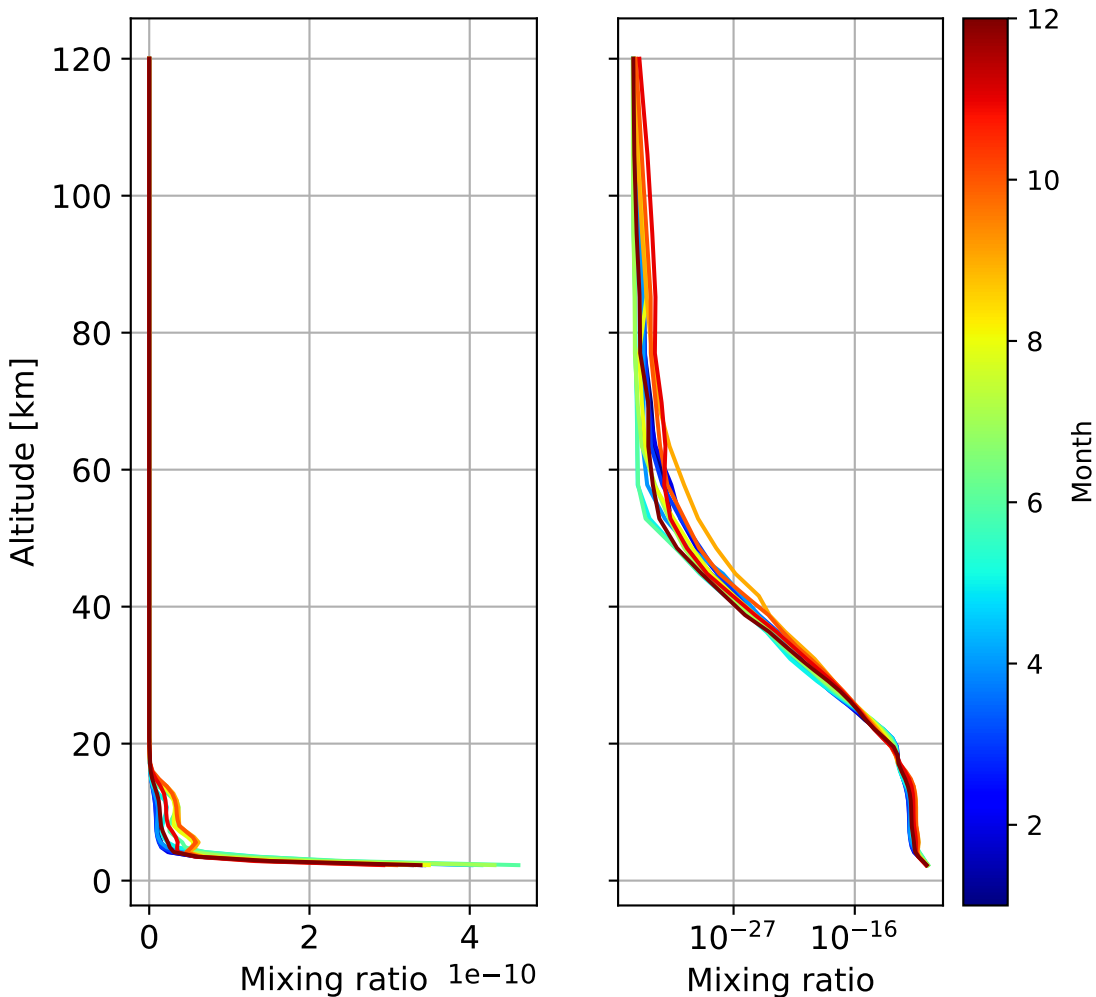
Time Series of vertical profiles (site altitude - 120 km)



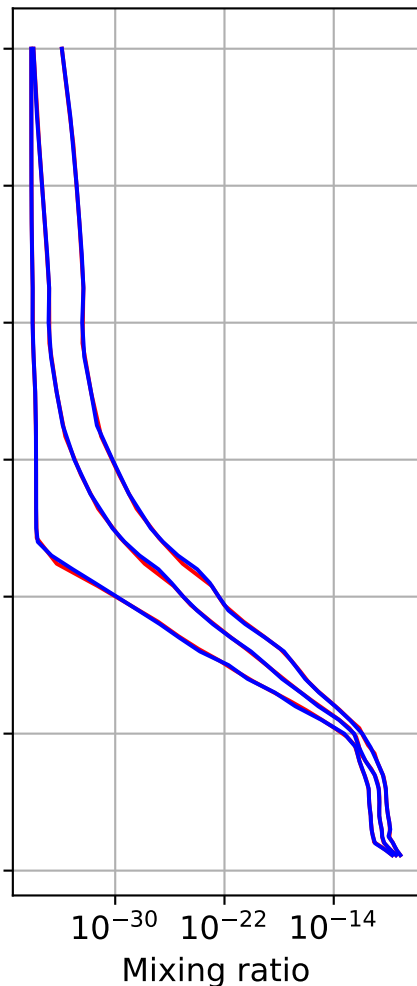
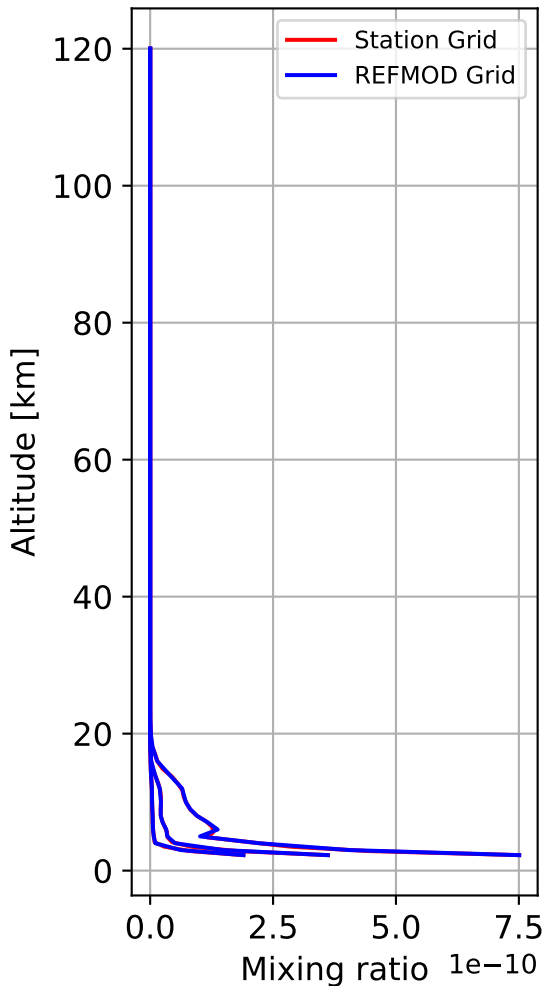
Time Series of vertical profiles (site altitude - 40 km)



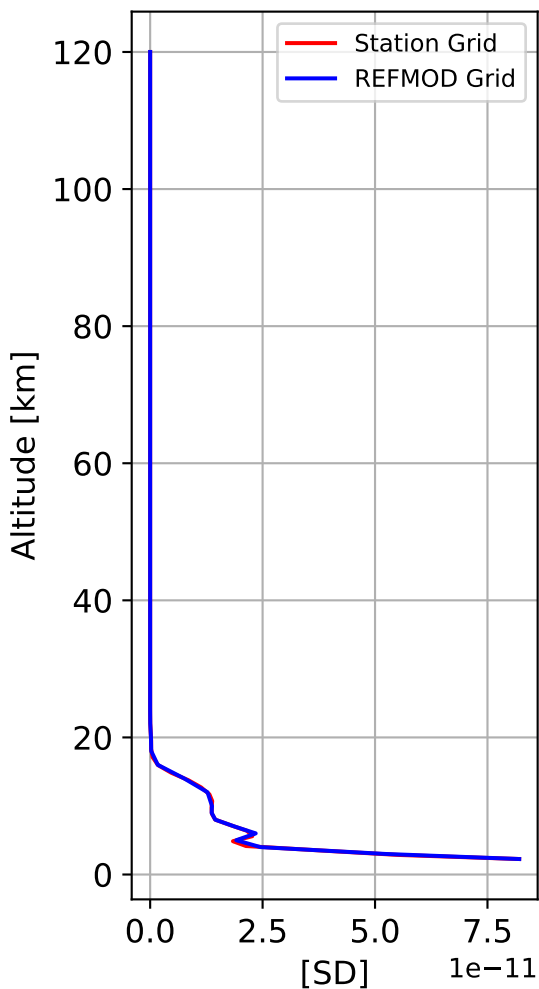
Monthly mean WACCM profile (interpolated to station grid)
Mexico_City_UNAM, 19.33N, 260.82E, 2.26kmasl



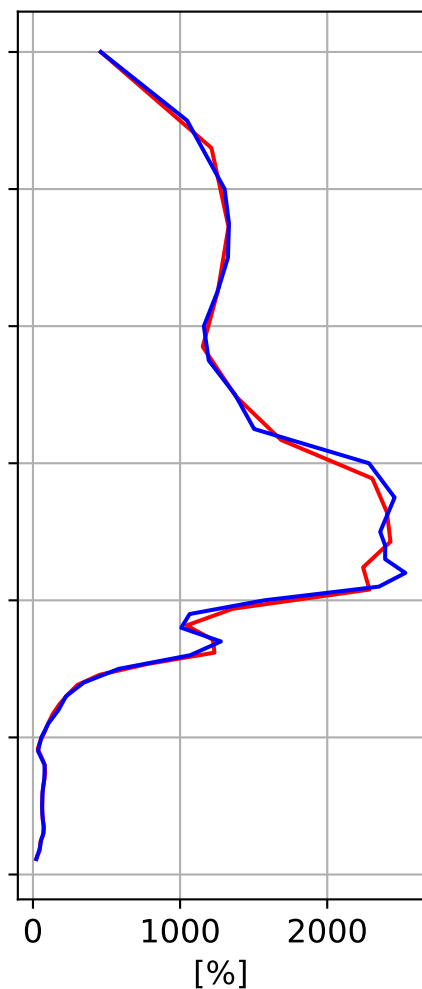
Min, Max, Mean of 732 profiles
Mexico_City_UNAM, 19.33N, 260.82E, 2.26kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

 $1e-21$

Altitude [km]

120
100
80
60
40
20

20

40

60

80

100

120

Altitude [km]

Mixing ratio[$\wedge 2$]6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00