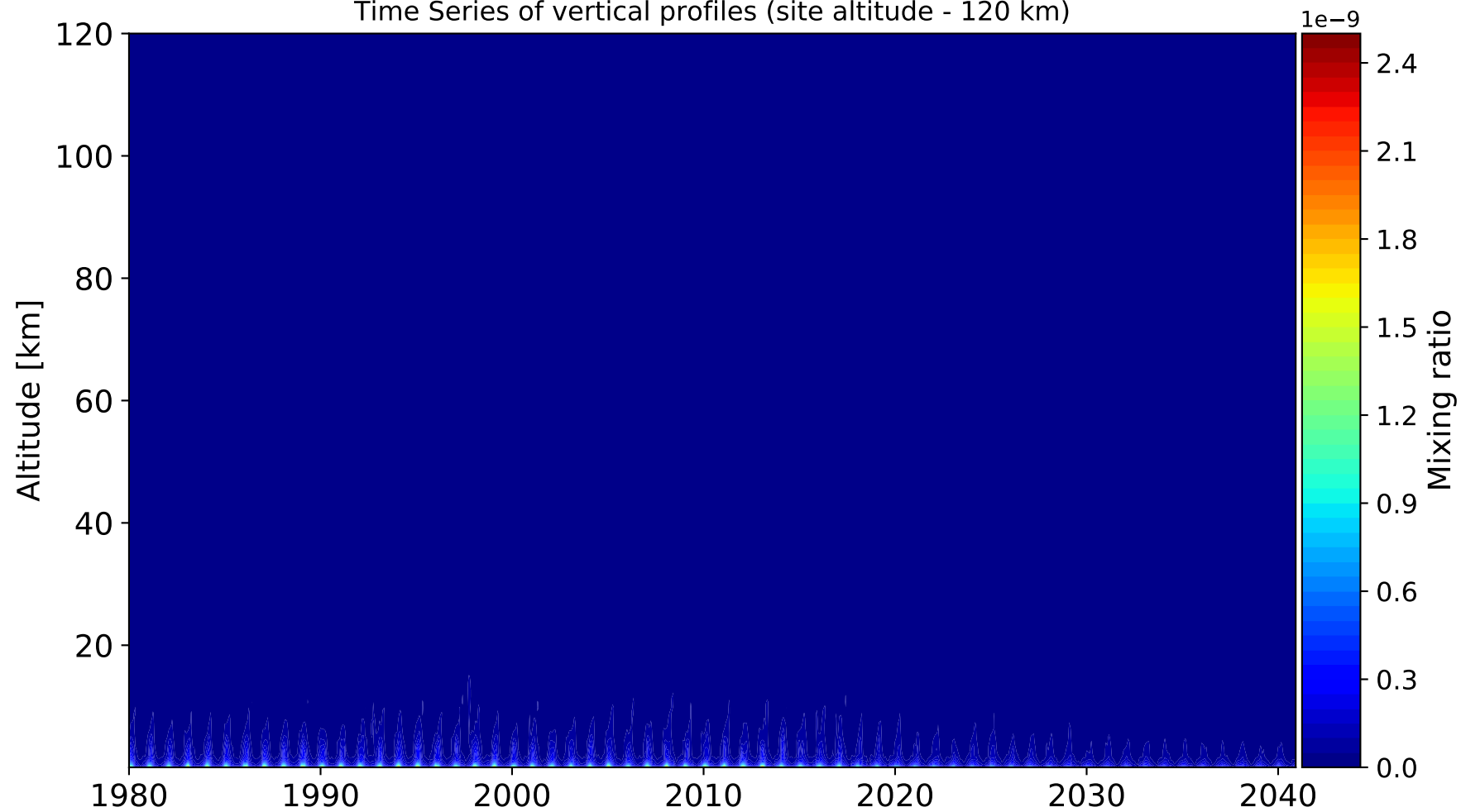
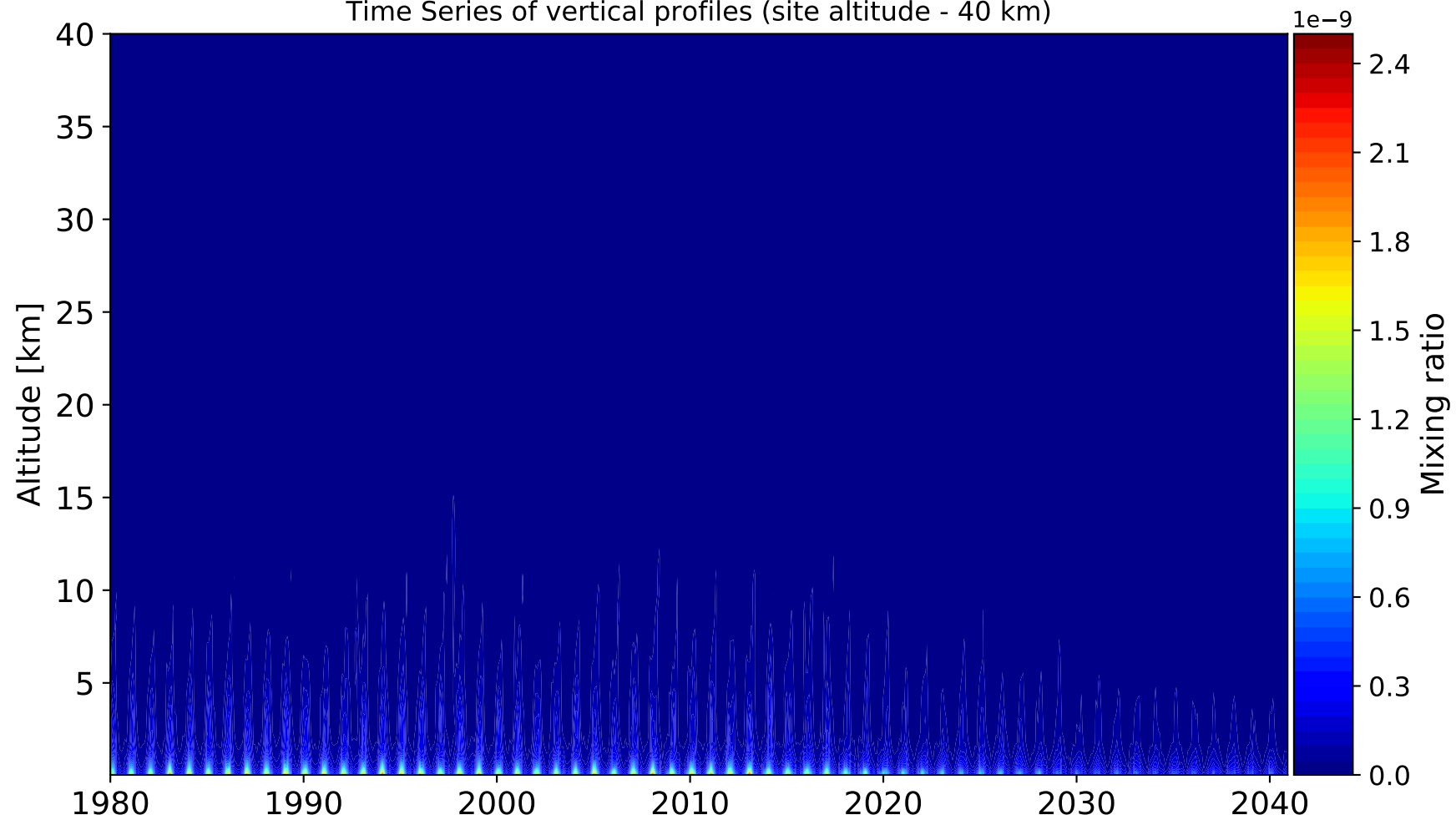


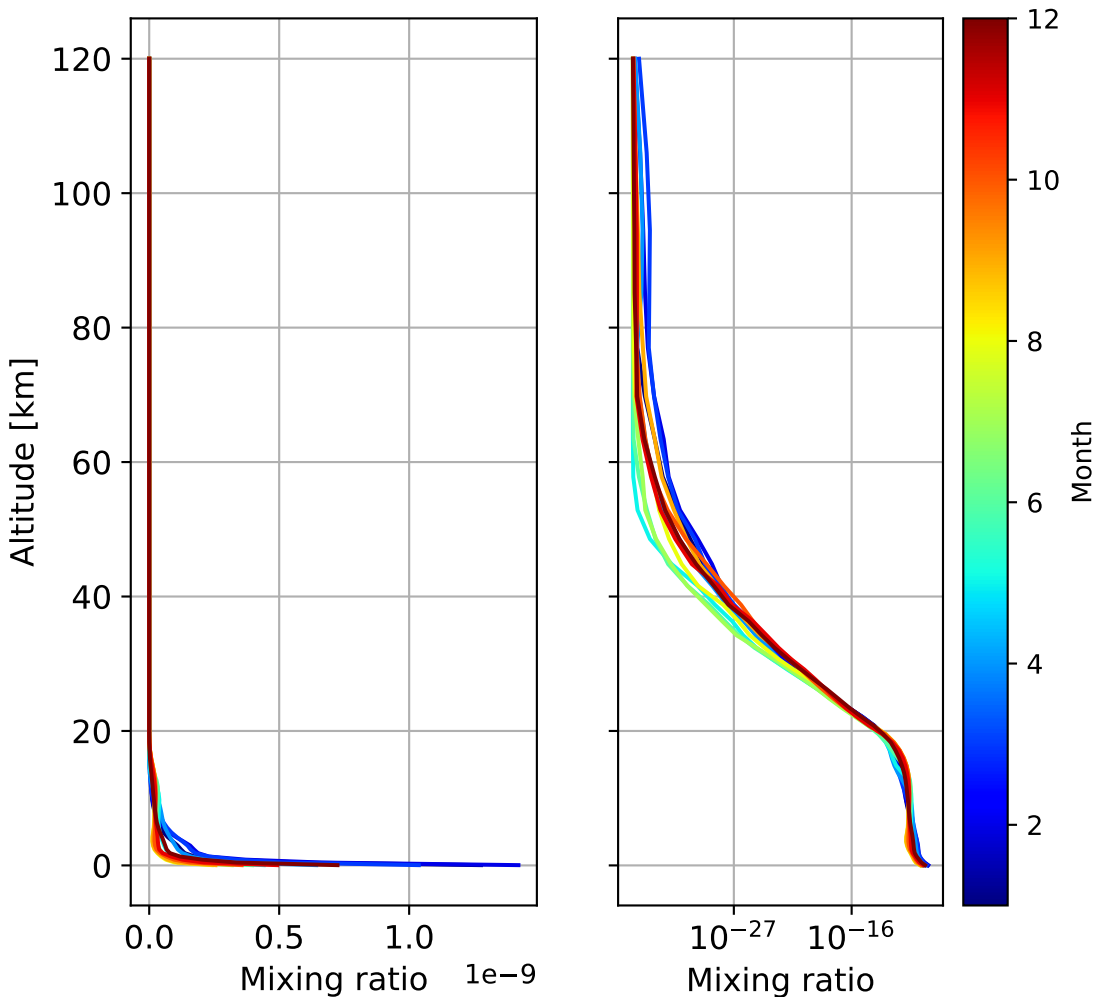
Time Series of vertical profiles (site altitude - 120 km)



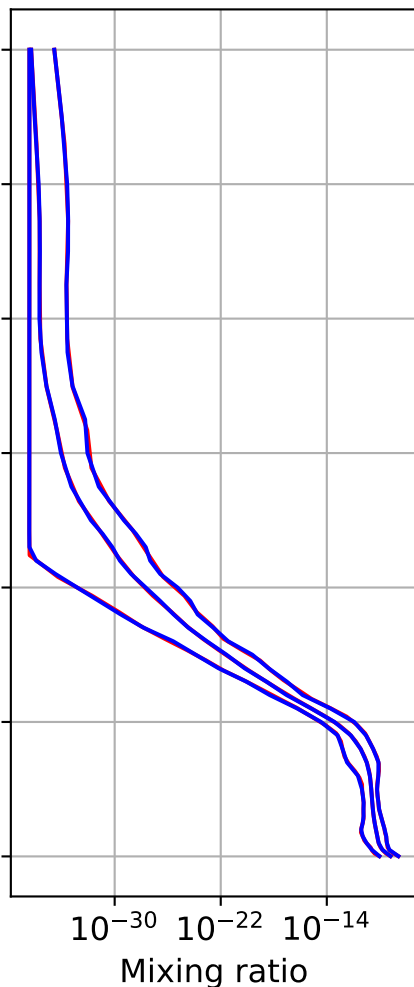
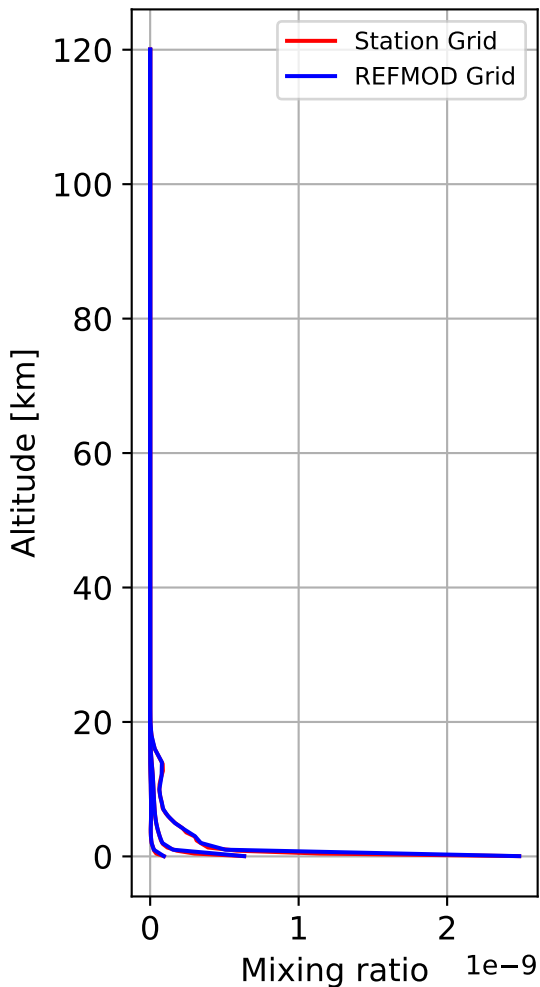
Time Series of vertical profiles (site altitude - 40 km)



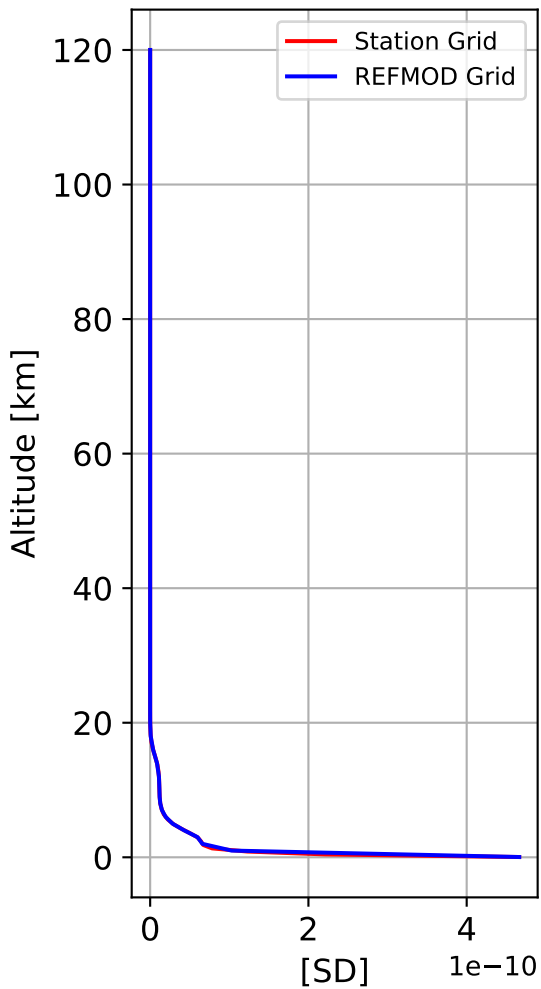
# Monthly mean WACCM profile (interpolated to station grid) Hefei, 31.9N, 117.17E, 0.04kmasl



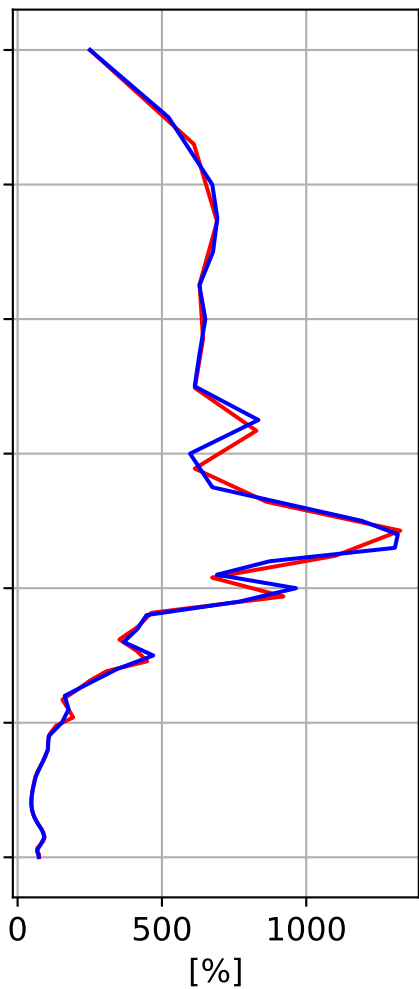
# Min, Max, Mean of 732 profiles Hefei, 31.9N, 117.17E, 0.04kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

1e-19

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

2.00

1.75

1.50

1.25

1.00

0.75

0.50

0.25

0.00

Mixing ratio[ $\wedge 2$ ]

