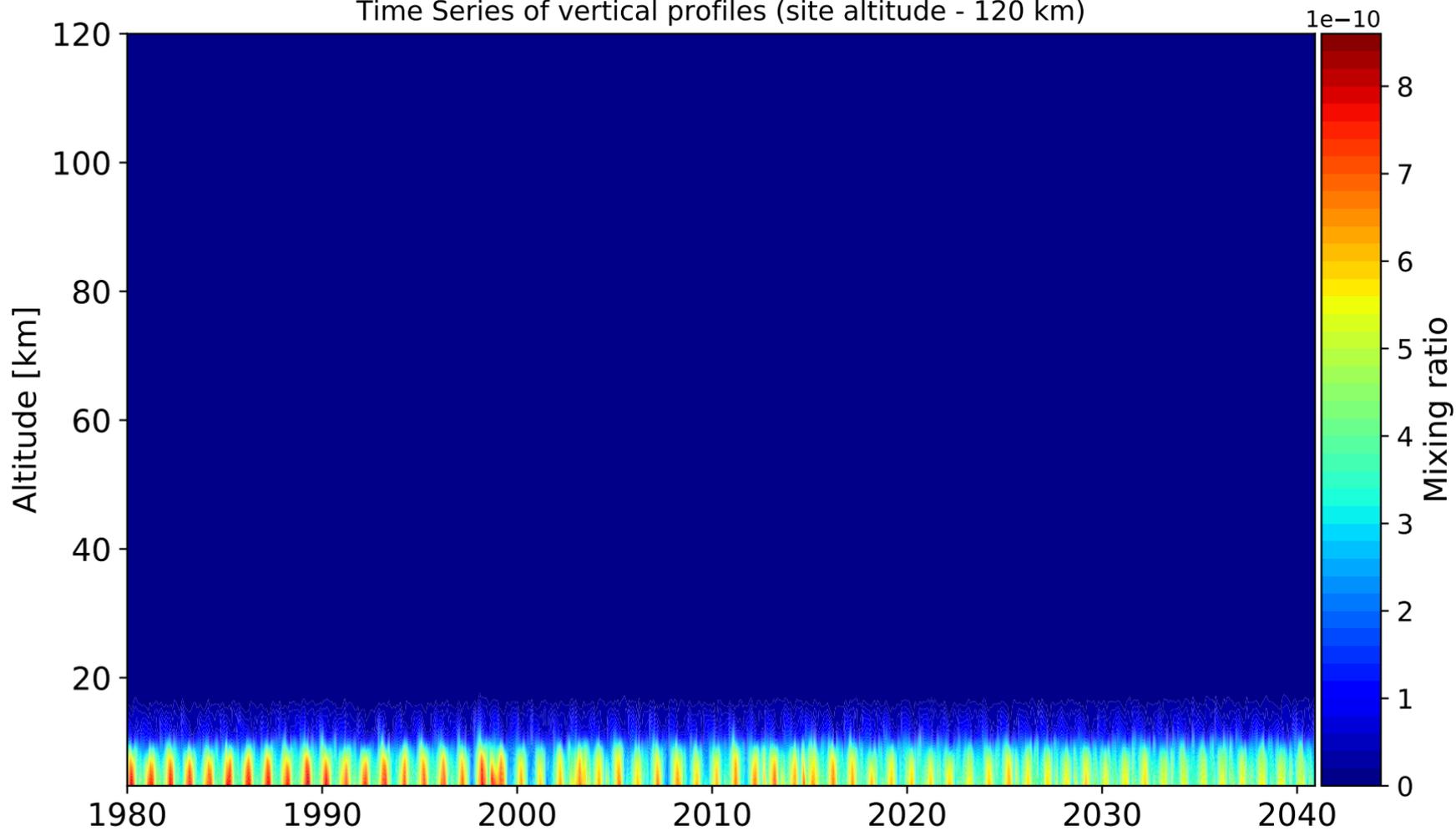
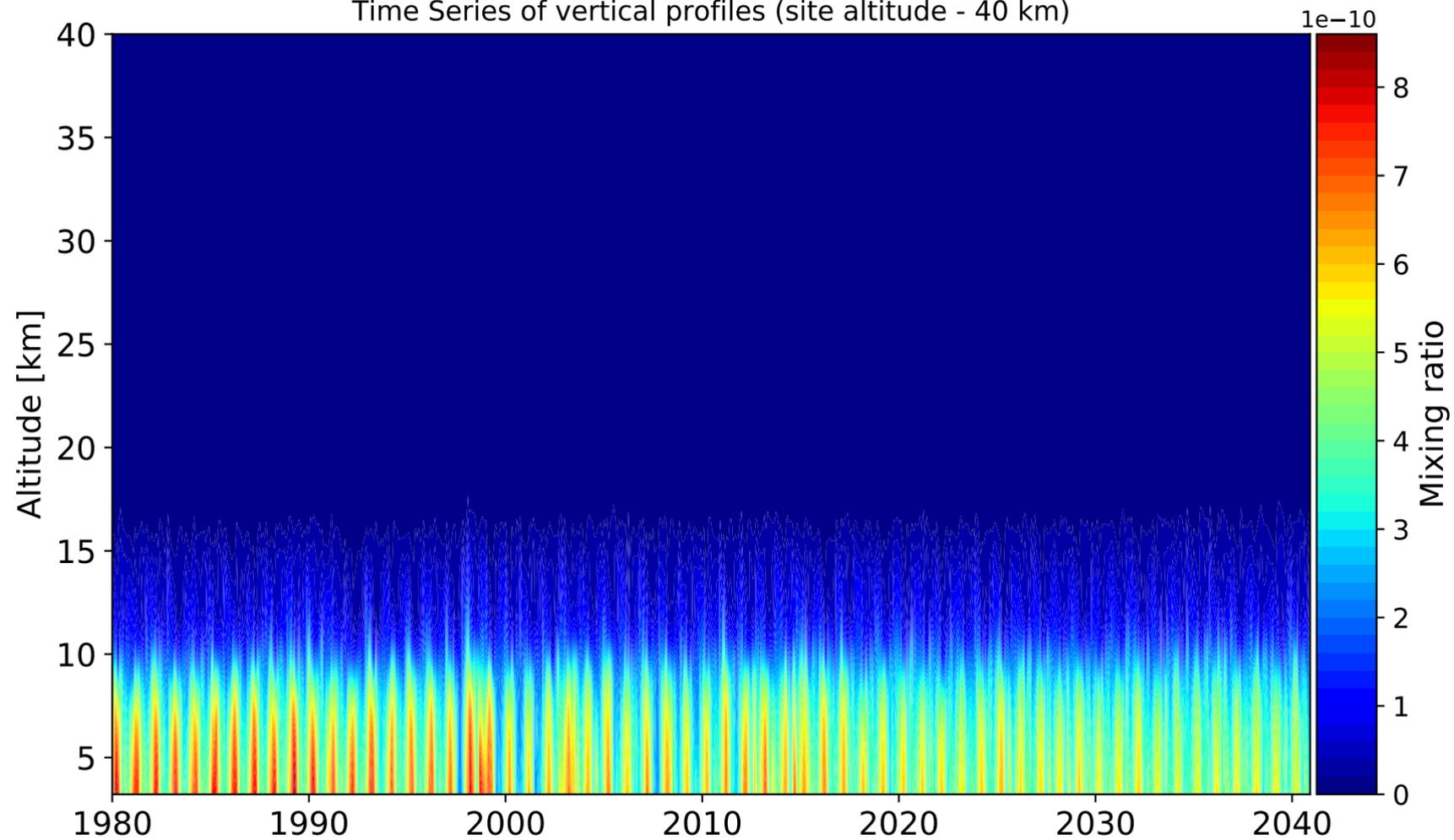


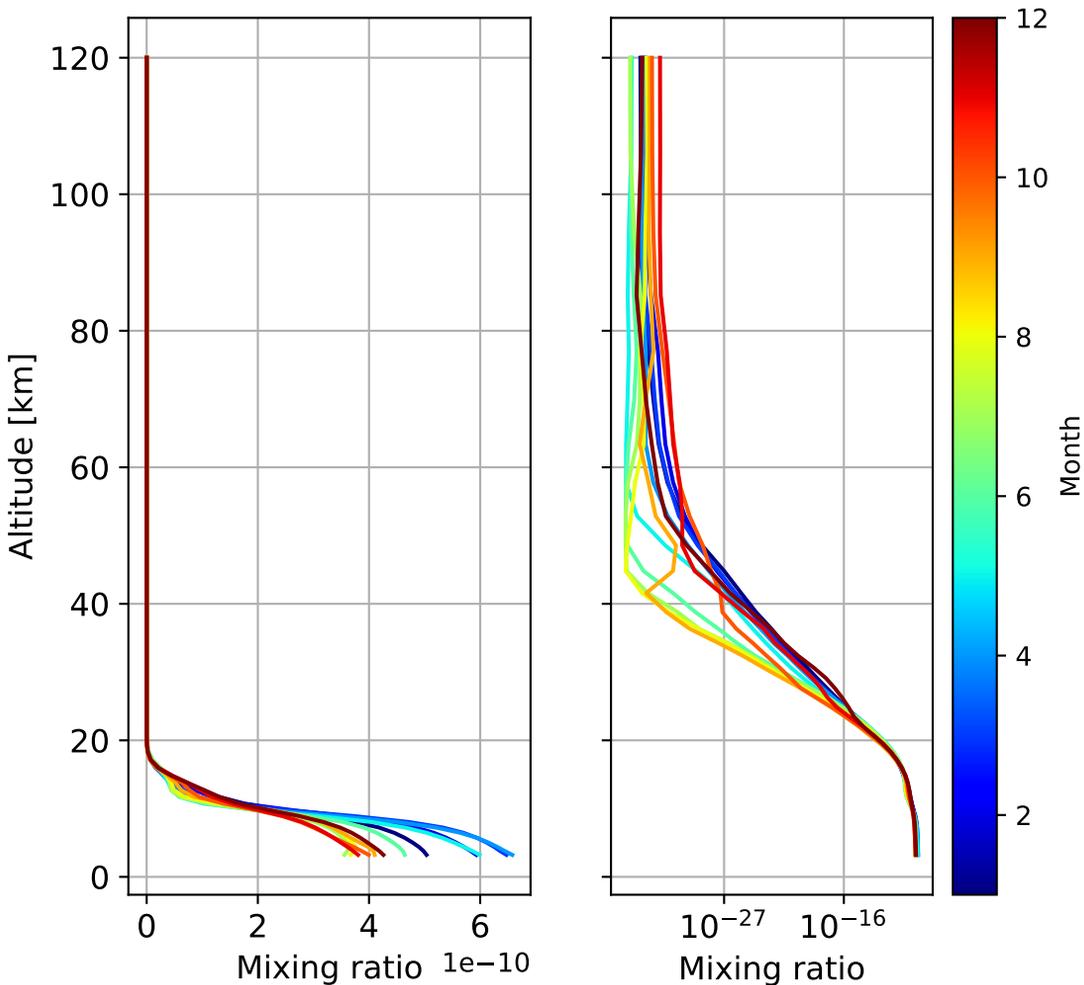
Time Series of vertical profiles (site altitude - 120 km)



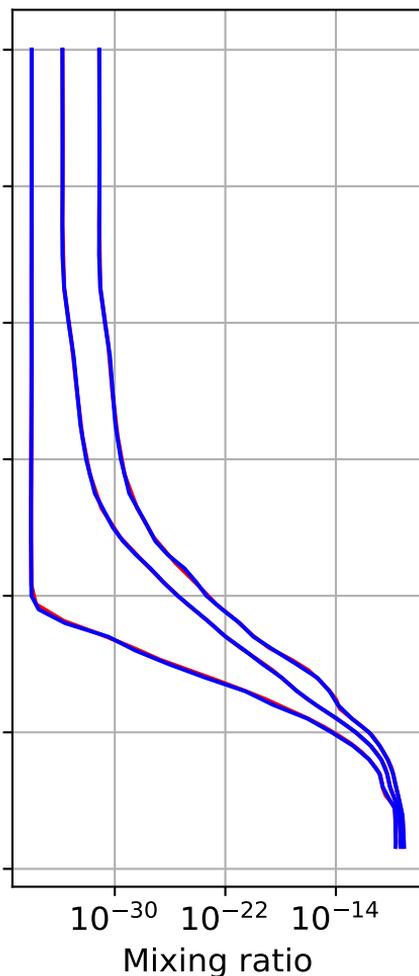
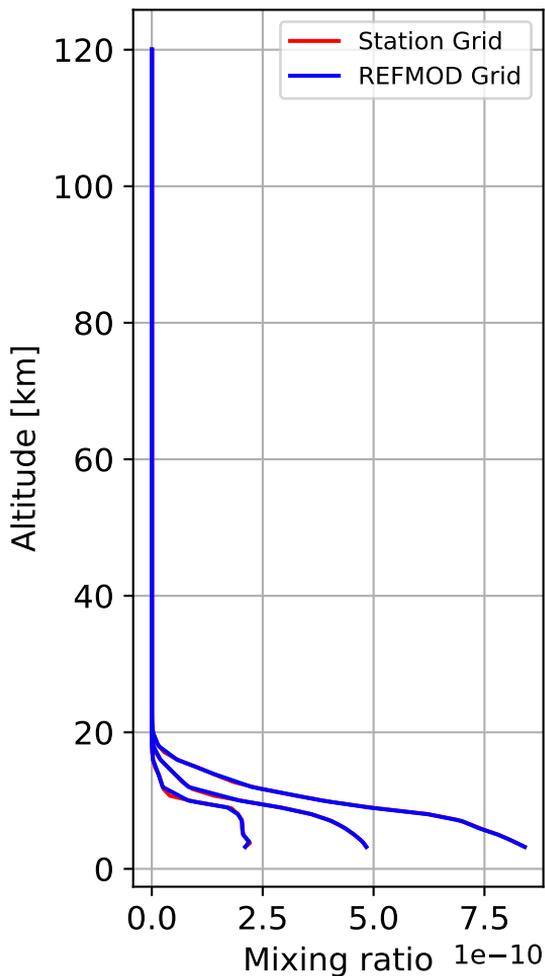
Time Series of vertical profiles (site altitude - 40 km)



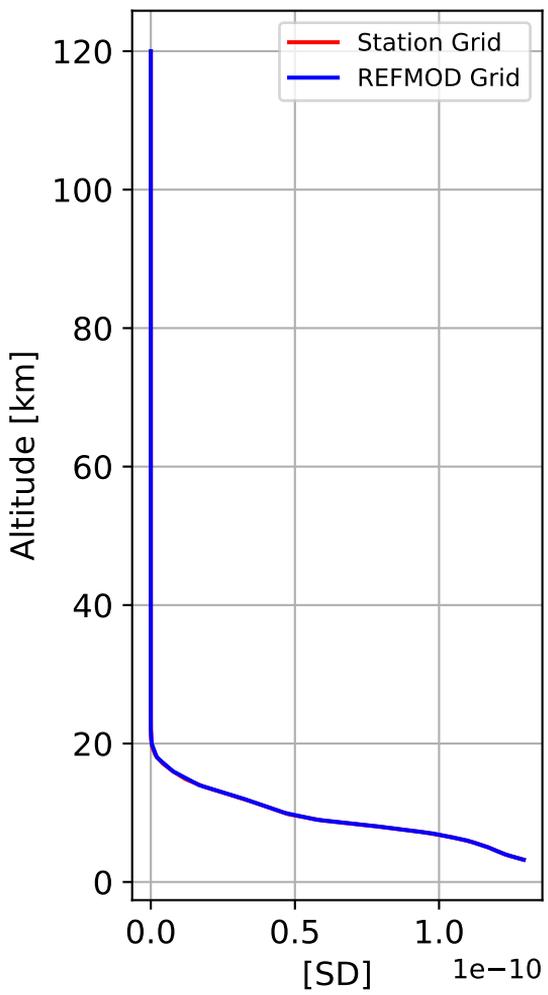
# Monthly mean WACCM profile (interpolated to station grid) Summit, 72.5796N, 321.5408E, 3.22kmasl



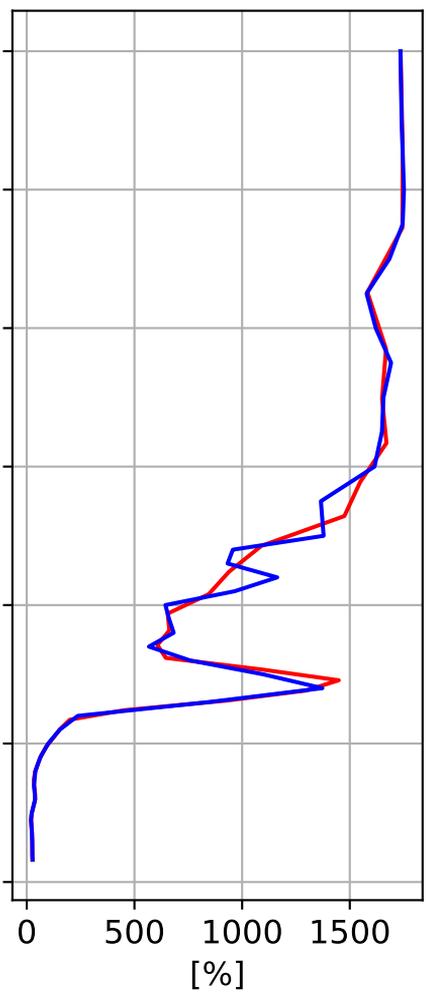
Min, Max, Mean of 732 profiles  
Summit, 72.5796N, 321.5408E, 3.22kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

Mixing ratio[ $\sim 2$ ]

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0