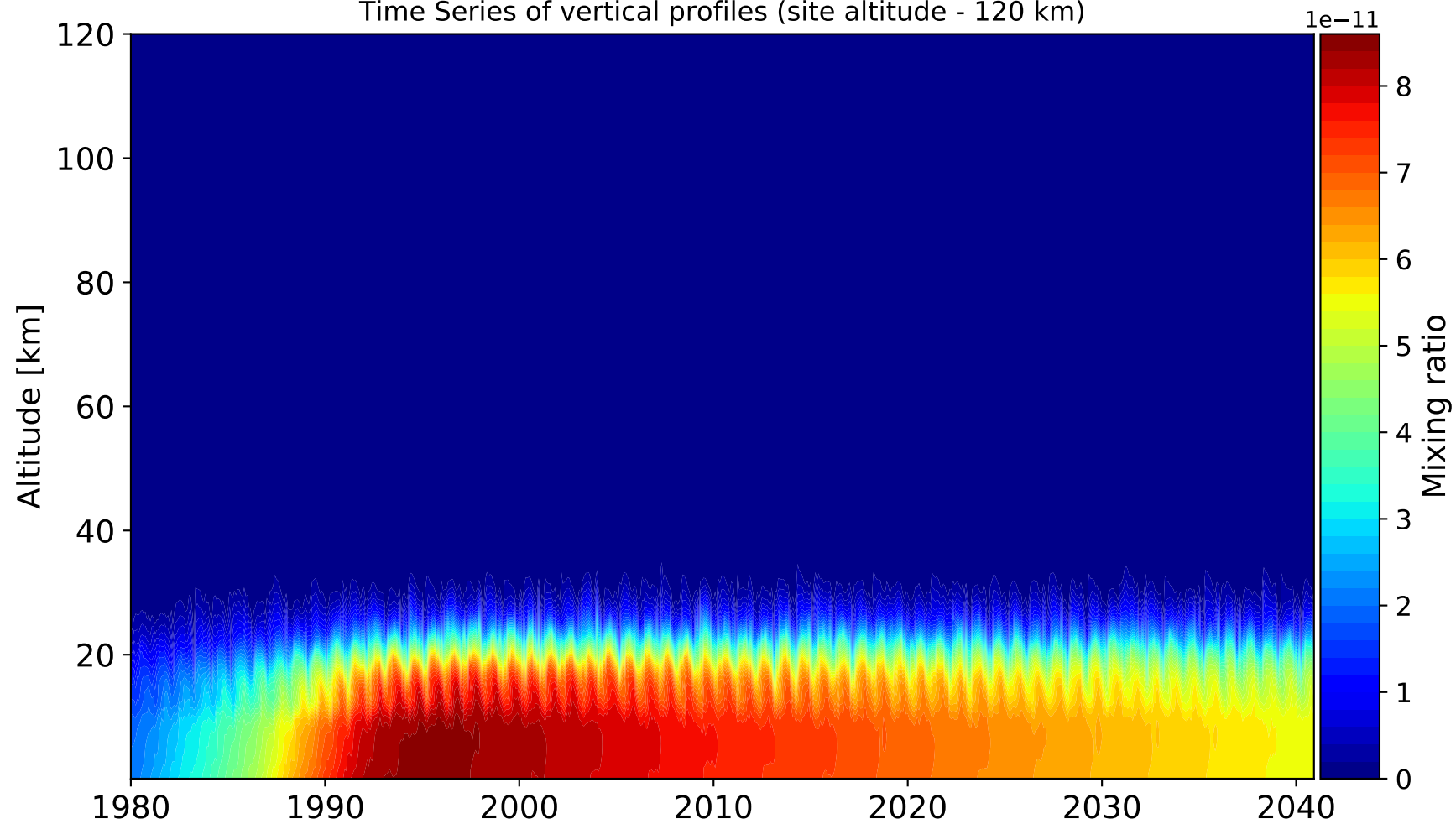
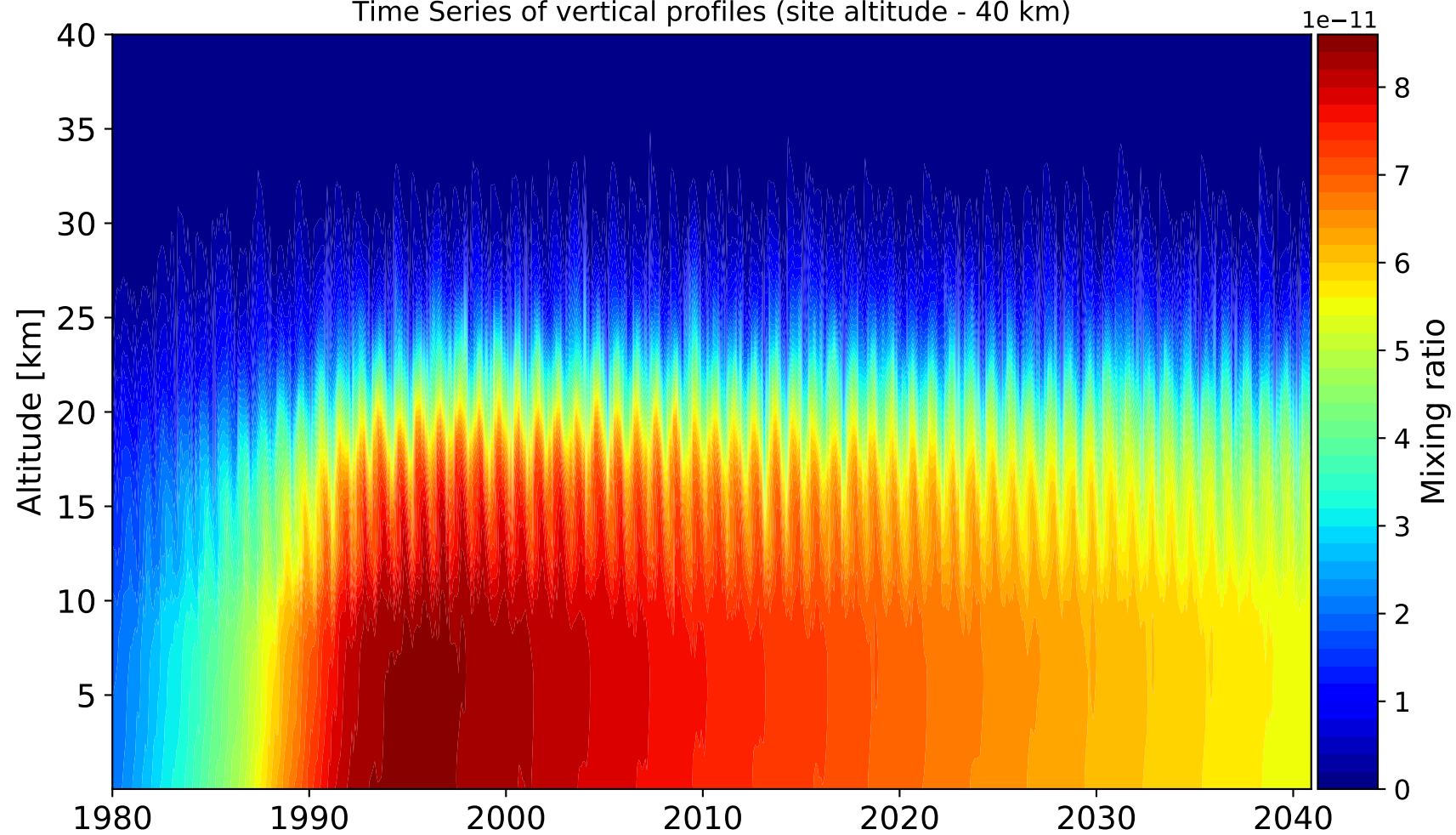


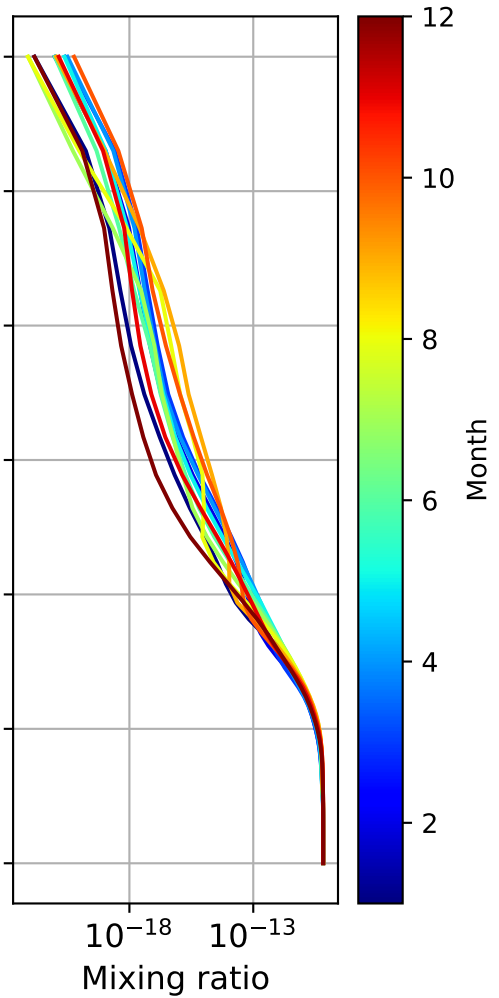
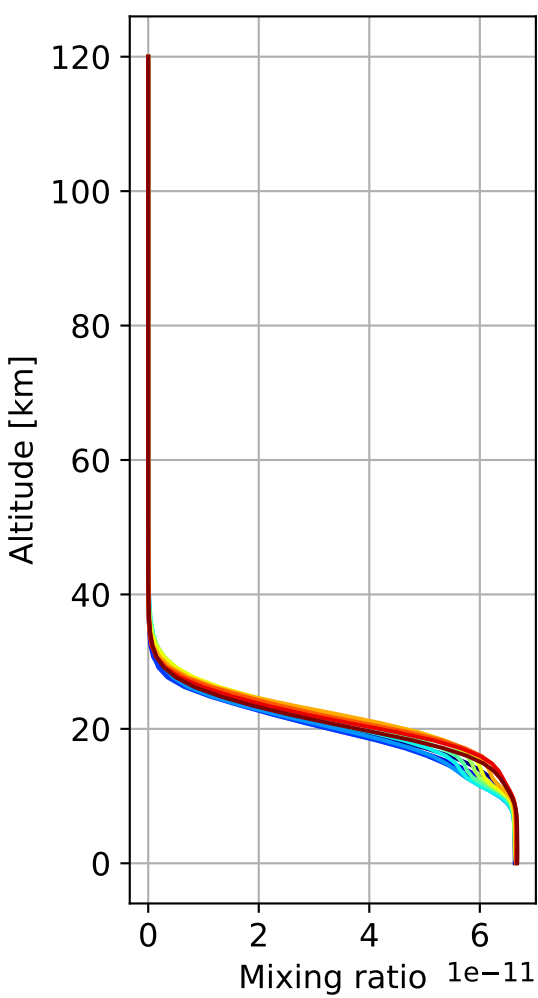
Time Series of vertical profiles (site altitude - 120 km)



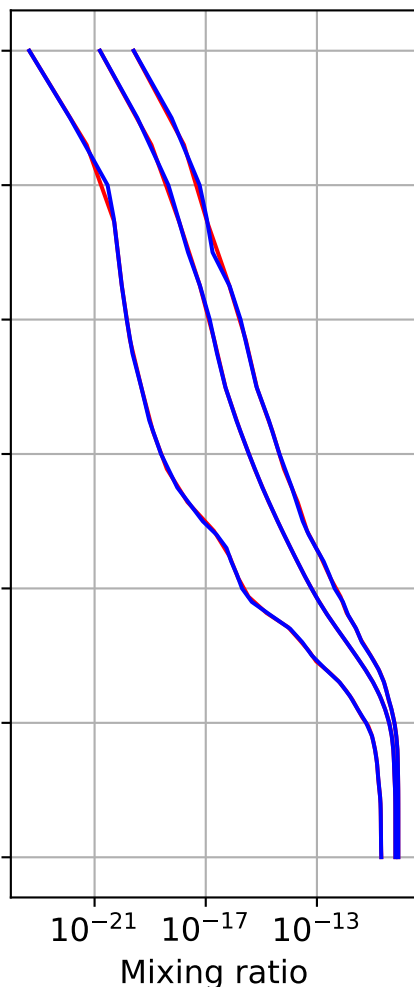
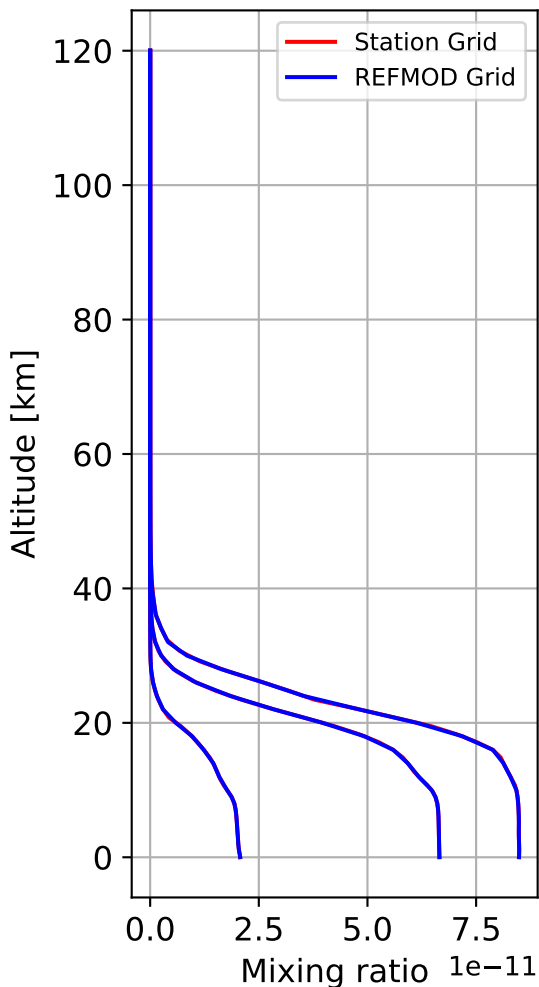
Time Series of vertical profiles (site altitude - 40 km)



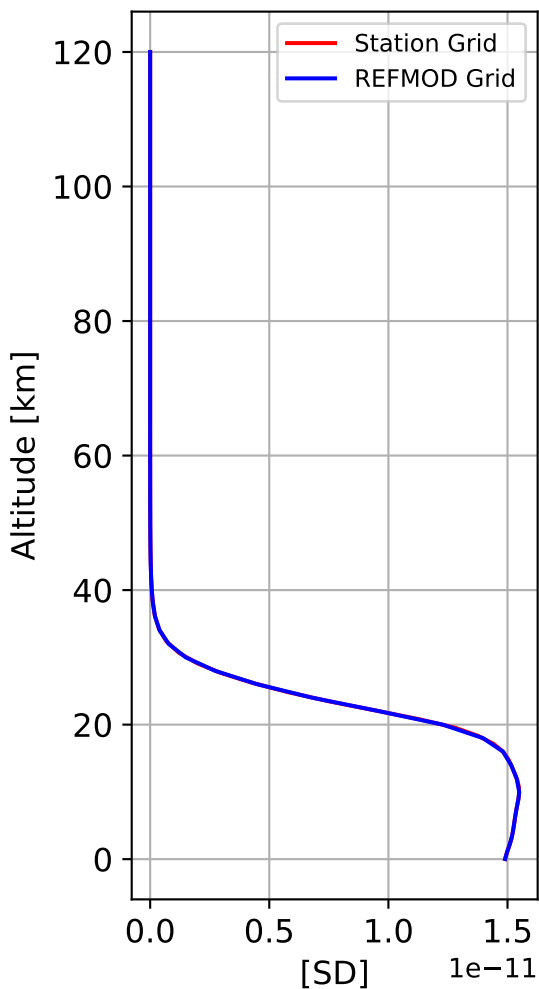
Monthly mean WACCM profile (interpolated to station grid) St_Petersburg, 59.88N, 29.83E, 0.02kmasl



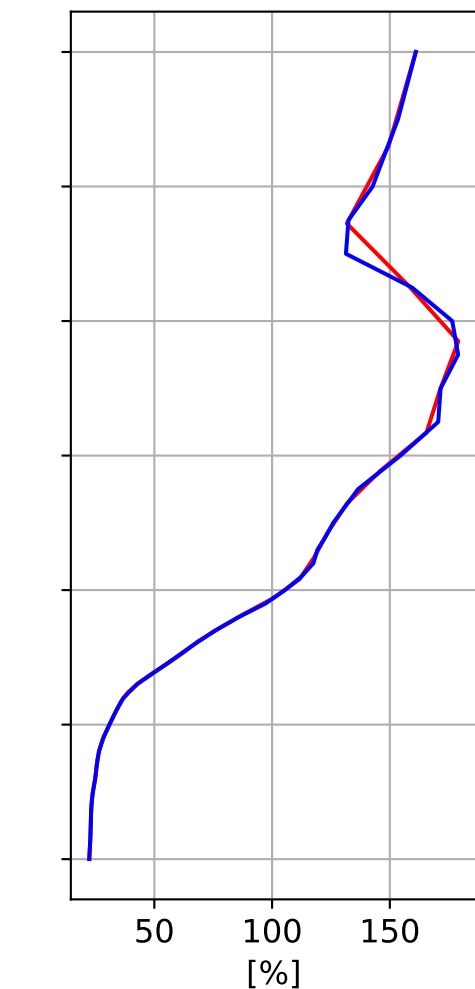
Min, Max, Mean of 732 profiles
St_Petersburg, 59.88N, 29.83E, 0.02kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-22

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

Mixing ratio[~ 2]

2.4

2.1

1.8

1.5

1.2

0.9

0.6

0.3

0.0

