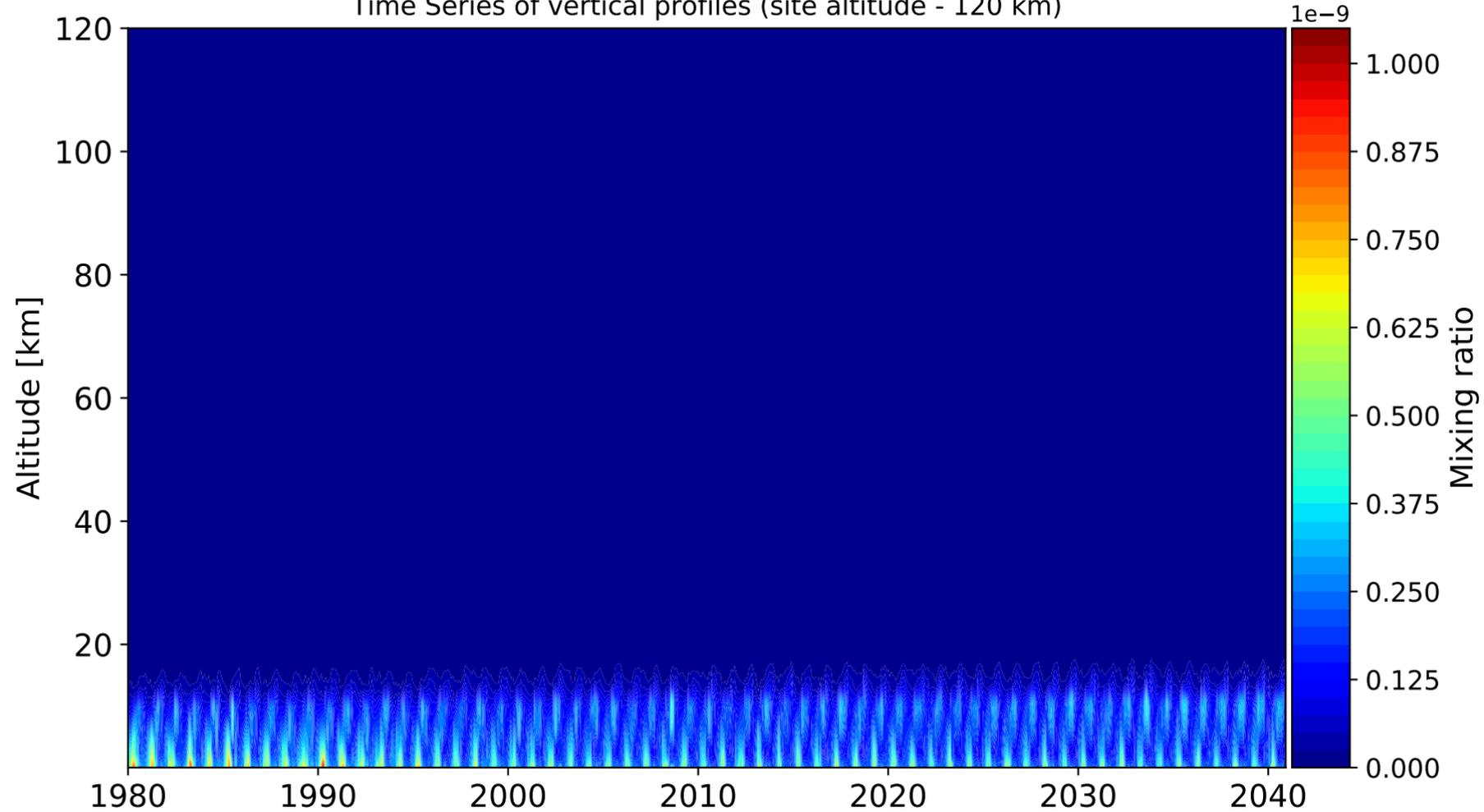
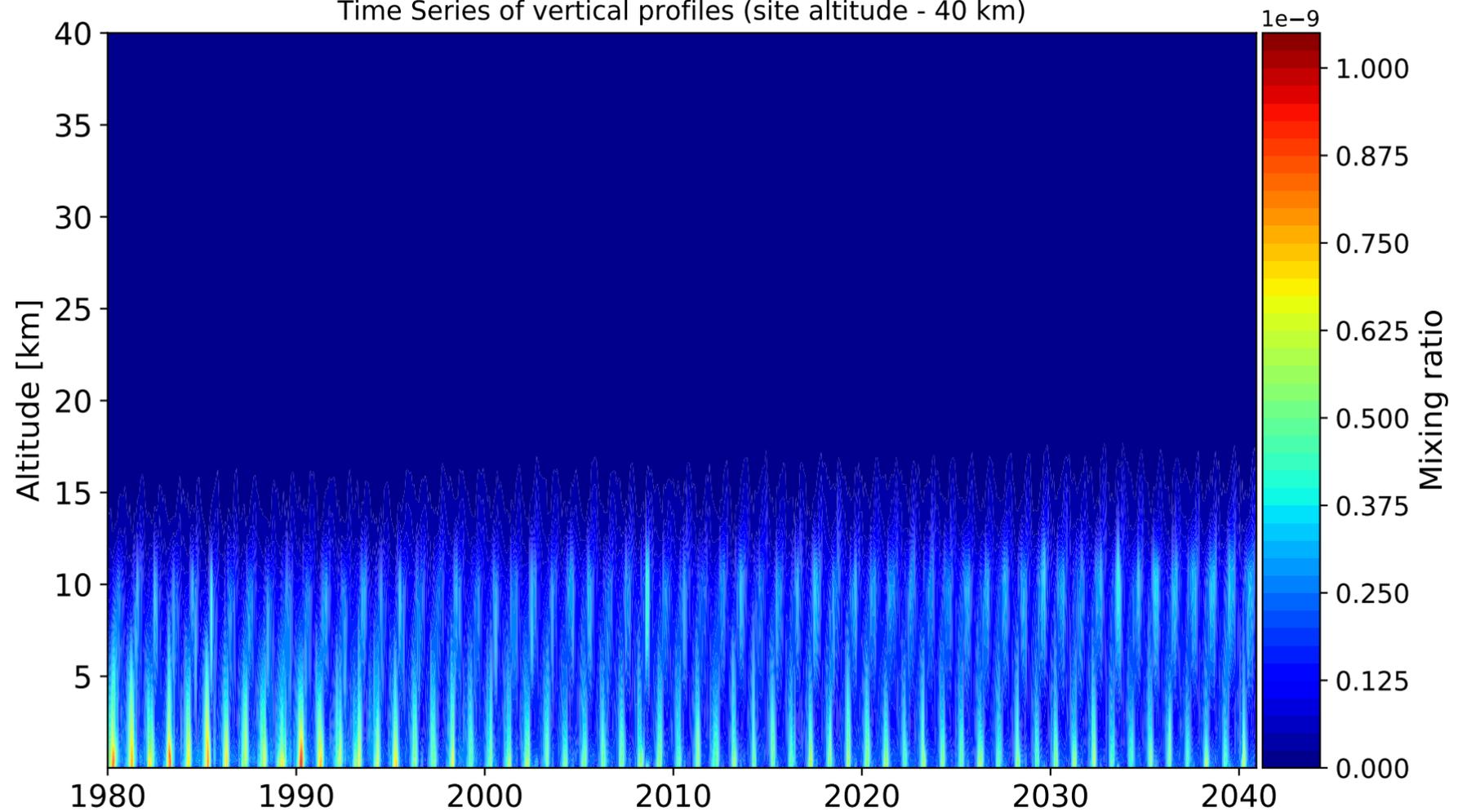


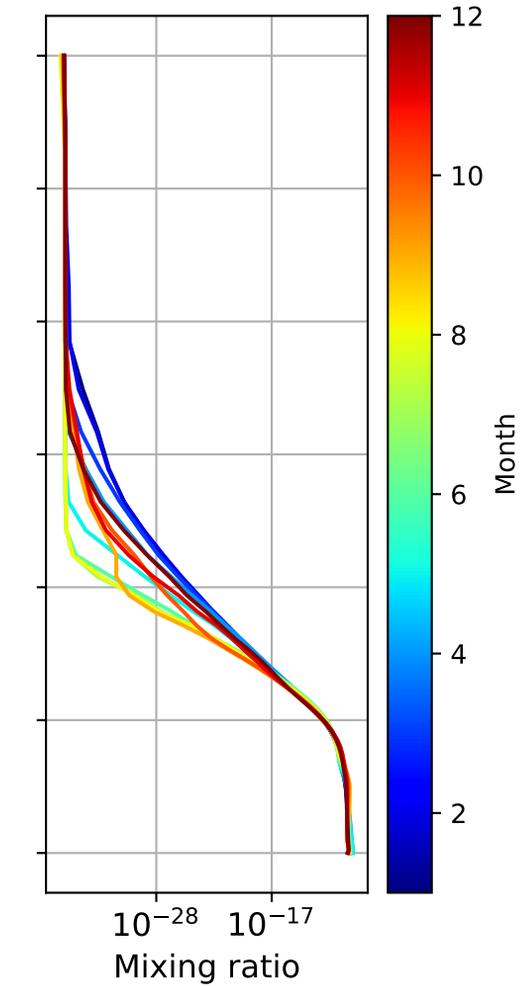
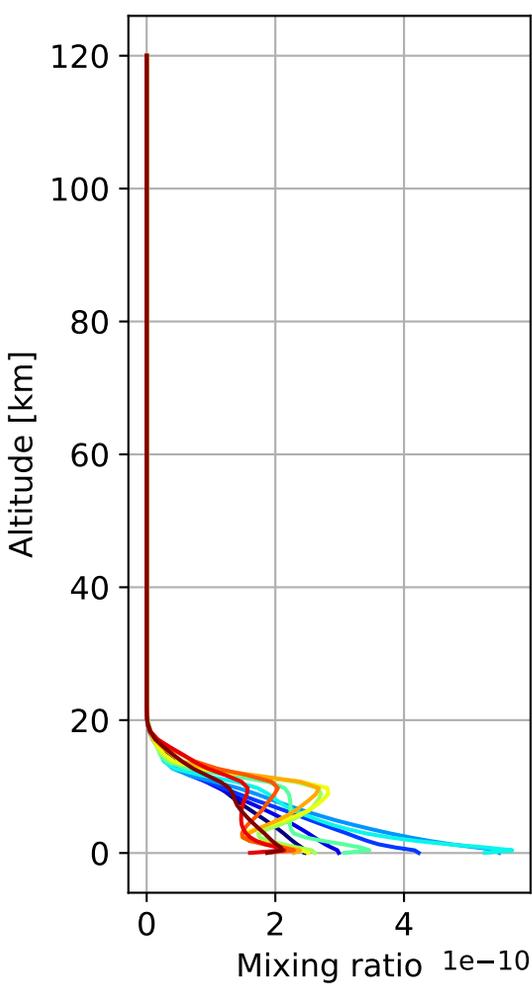
Time Series of vertical profiles (site altitude - 120 km)



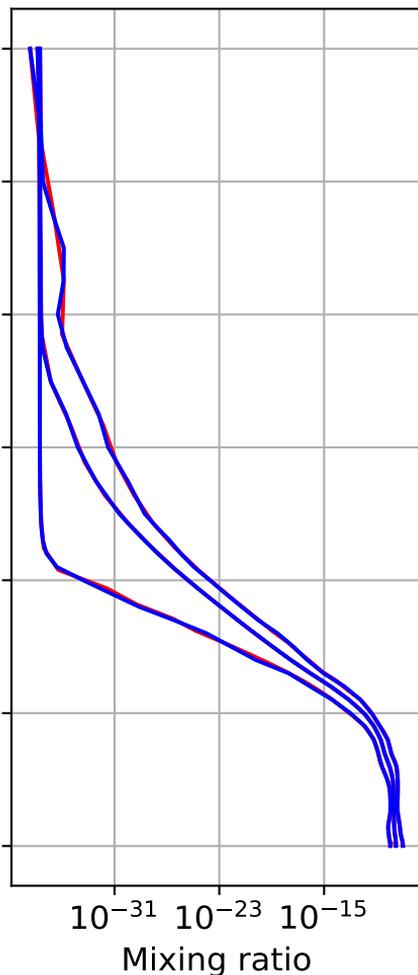
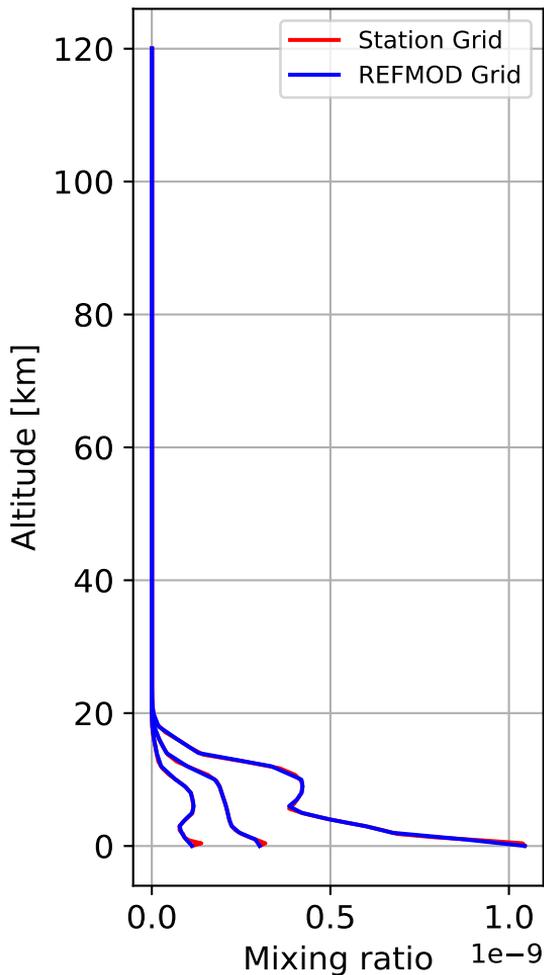
Time Series of vertical profiles (site altitude - 40 km)



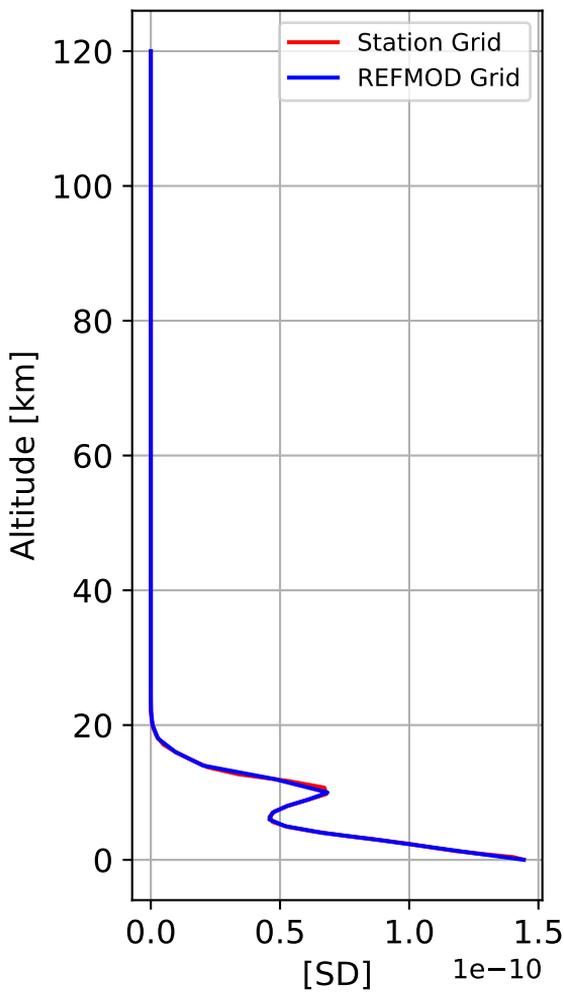
Monthly mean WACCM profile (interpolated to station grid) St_Petersburg, 59.88N, 29.83E, 0.02kmasl



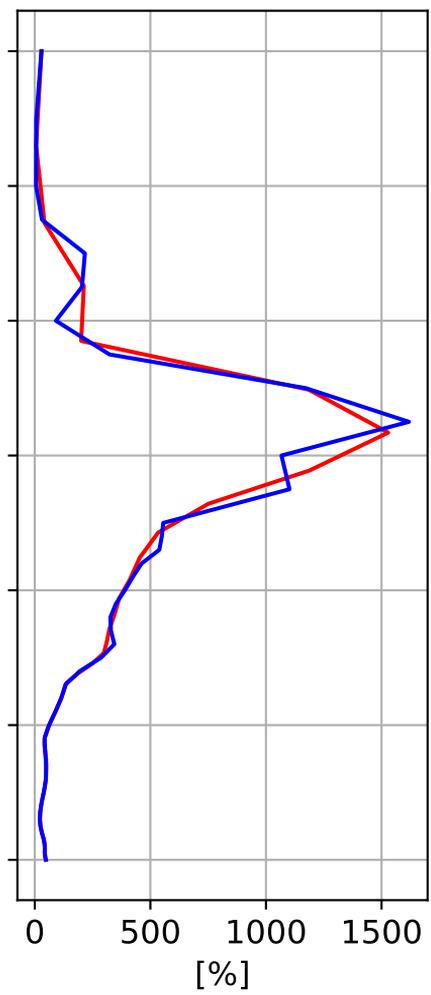
Min, Max, Mean of 732 profiles
St_Petersburg, 59.88N, 29.83E, 0.02kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120
100
80
60
40
20

Altitude [km]

Mixing ratio[~ 2]

2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0
-0.3

