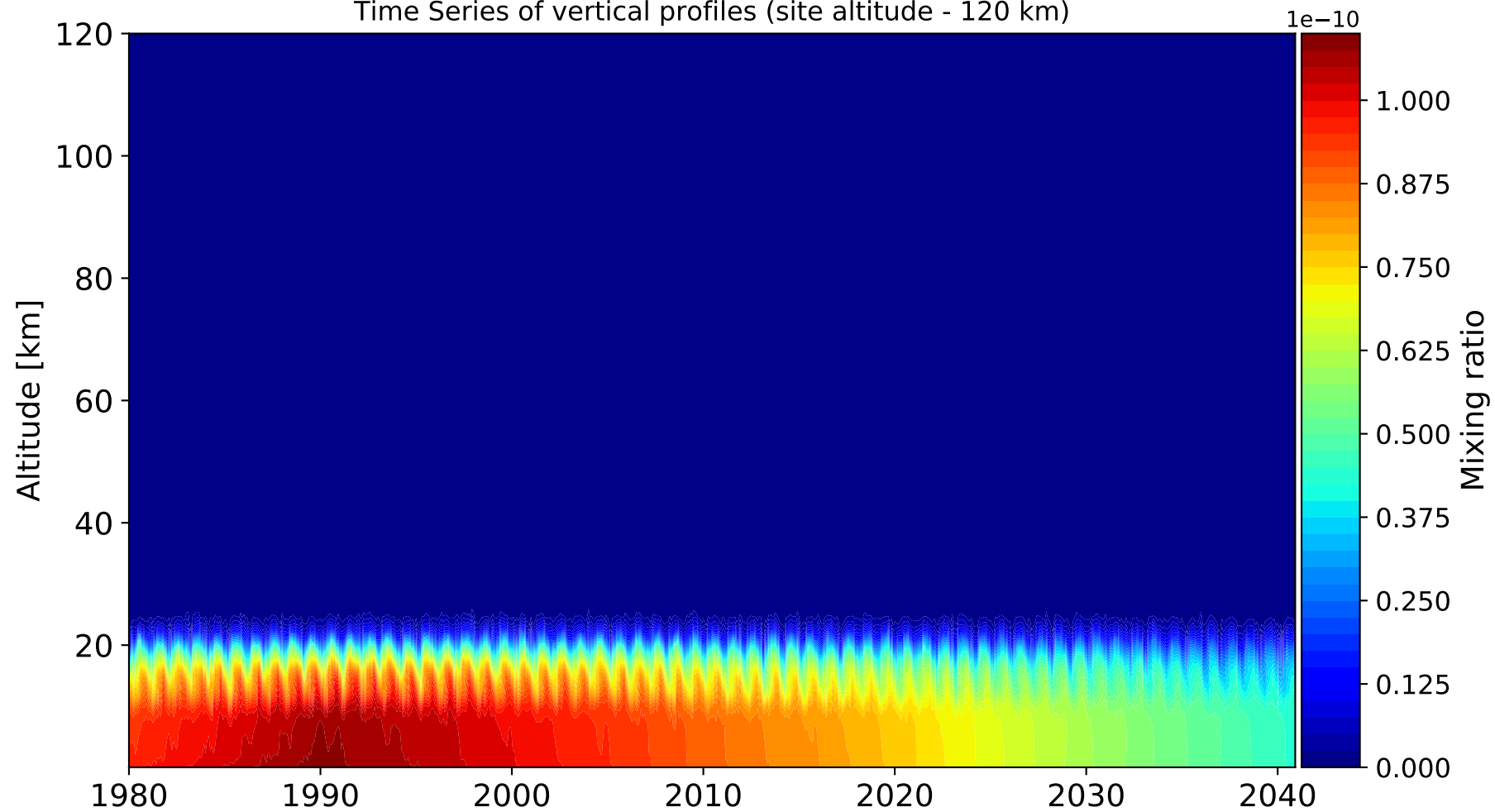
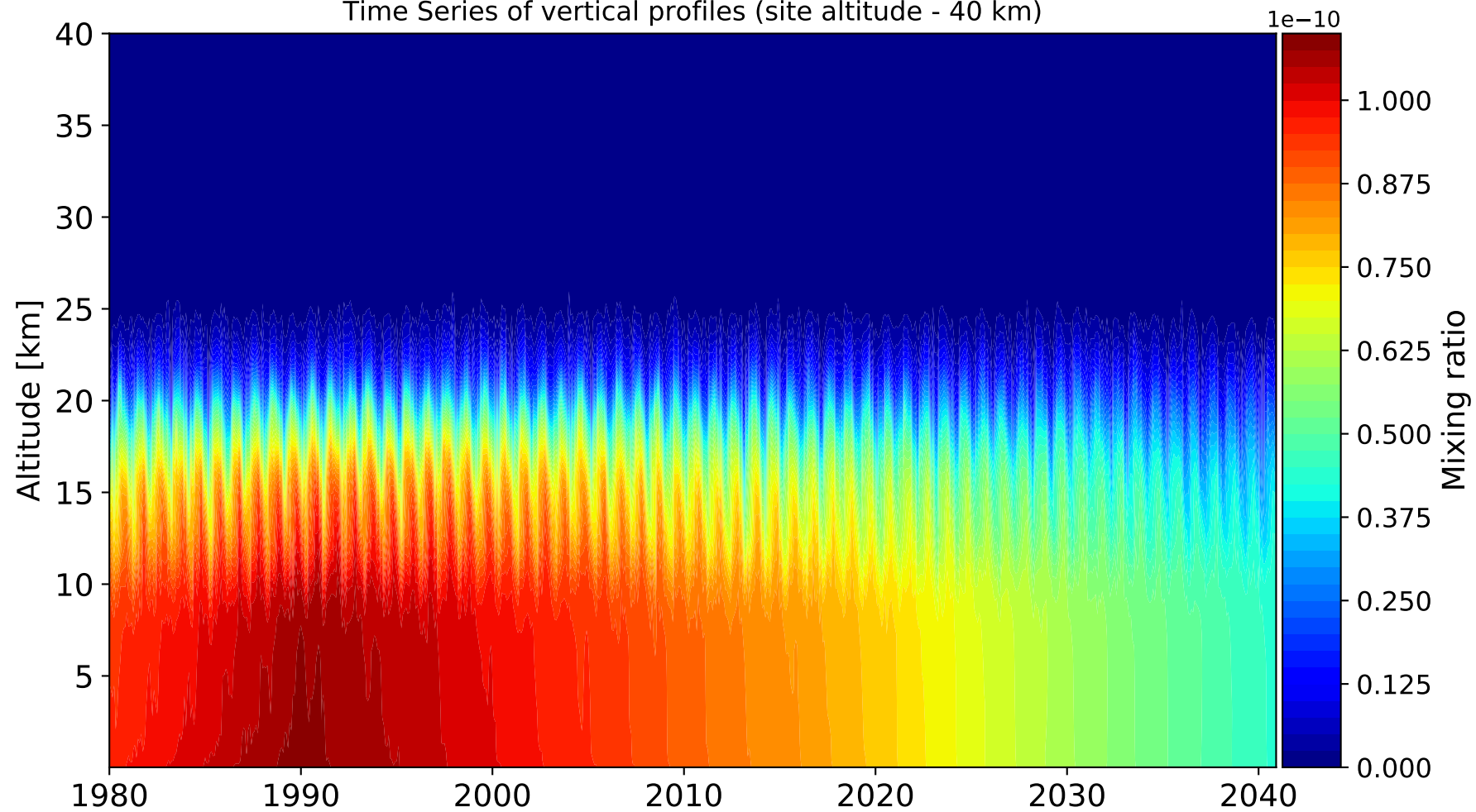


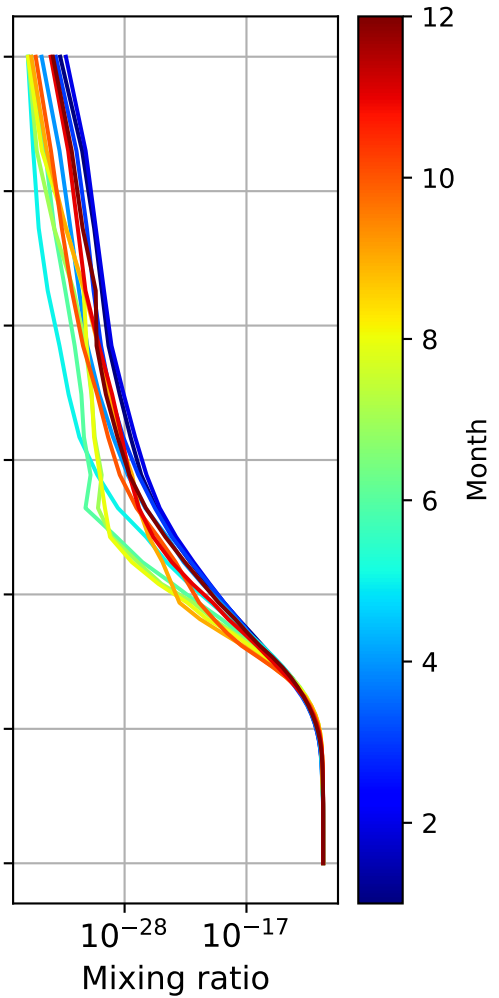
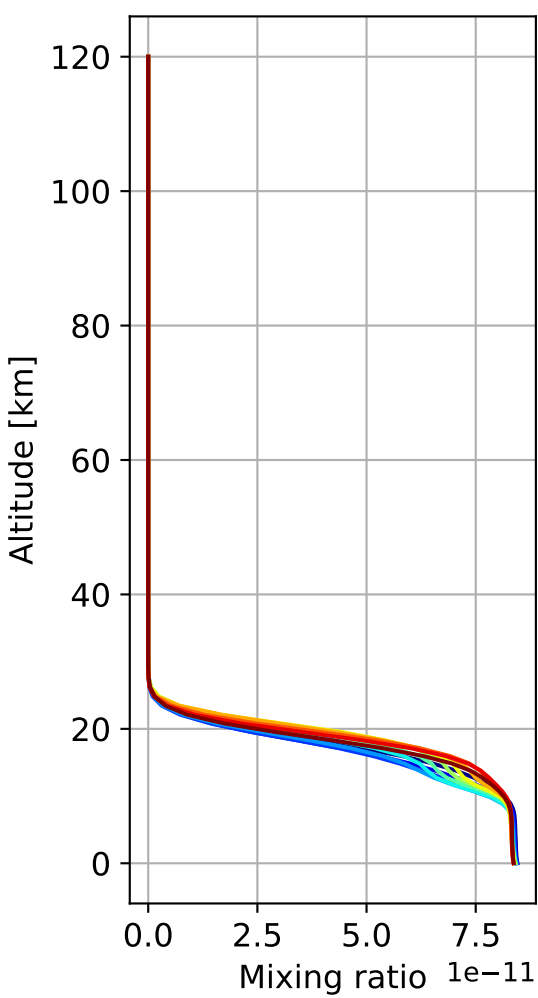
Time Series of vertical profiles (site altitude - 120 km)



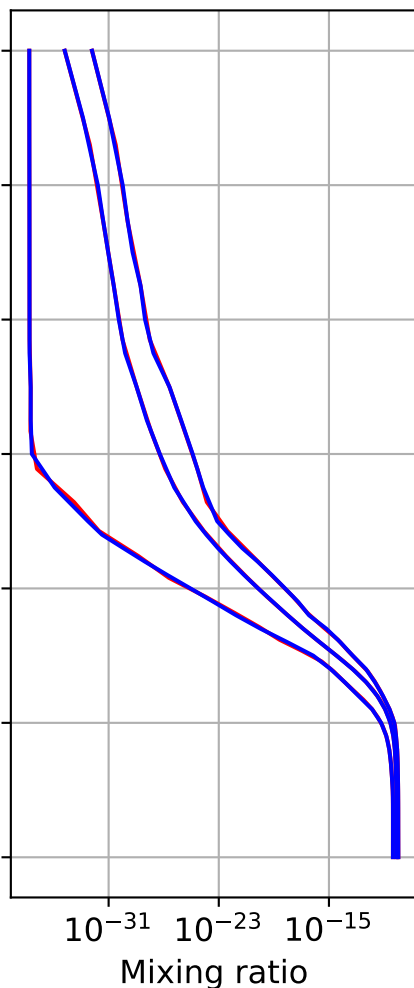
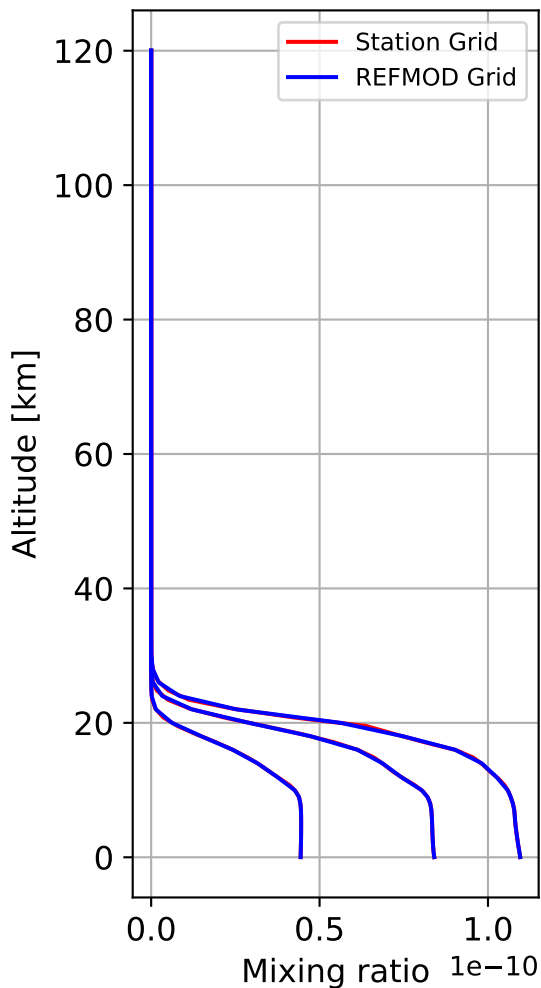
Time Series of vertical profiles (site altitude - 40 km)



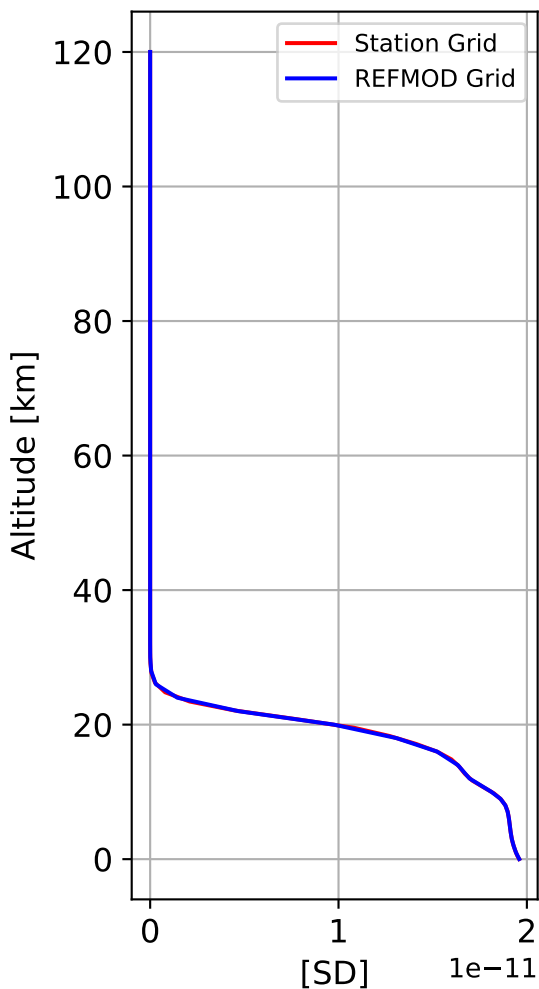
Monthly mean WACCM profile (interpolated to station grid) St_Petersburg, 59.88N, 29.83E, 0.02kmasl



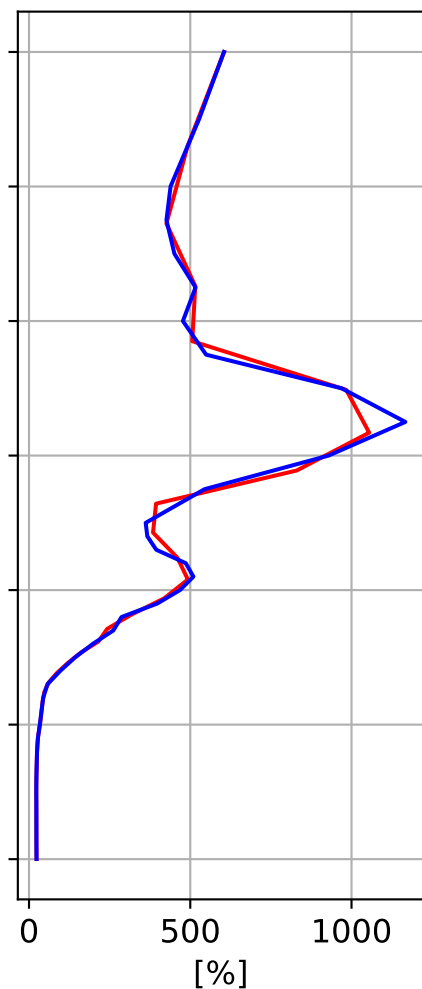
Min, Max, Mean of 732 profiles
St_Petersburg, 59.88N, 29.83E, 0.02kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

$1e-22$

Altitude [km]

120
100
80
60
40
20

Altitude [km]

20

40

60

80

100

120

3.84
3.36
2.88
2.40
1.92
1.44
0.96
0.48
0.00

Mixing ratio[~ 2]

