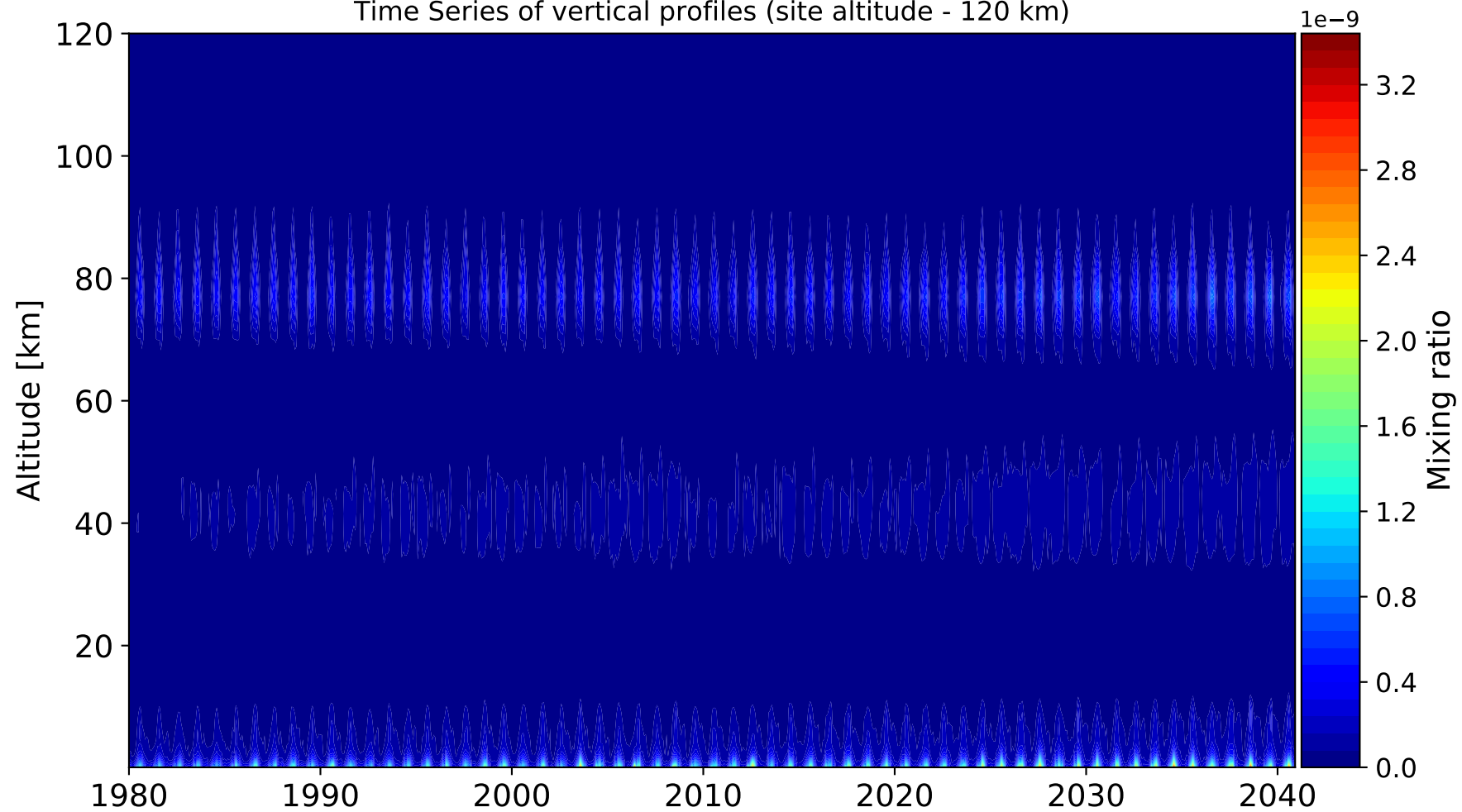
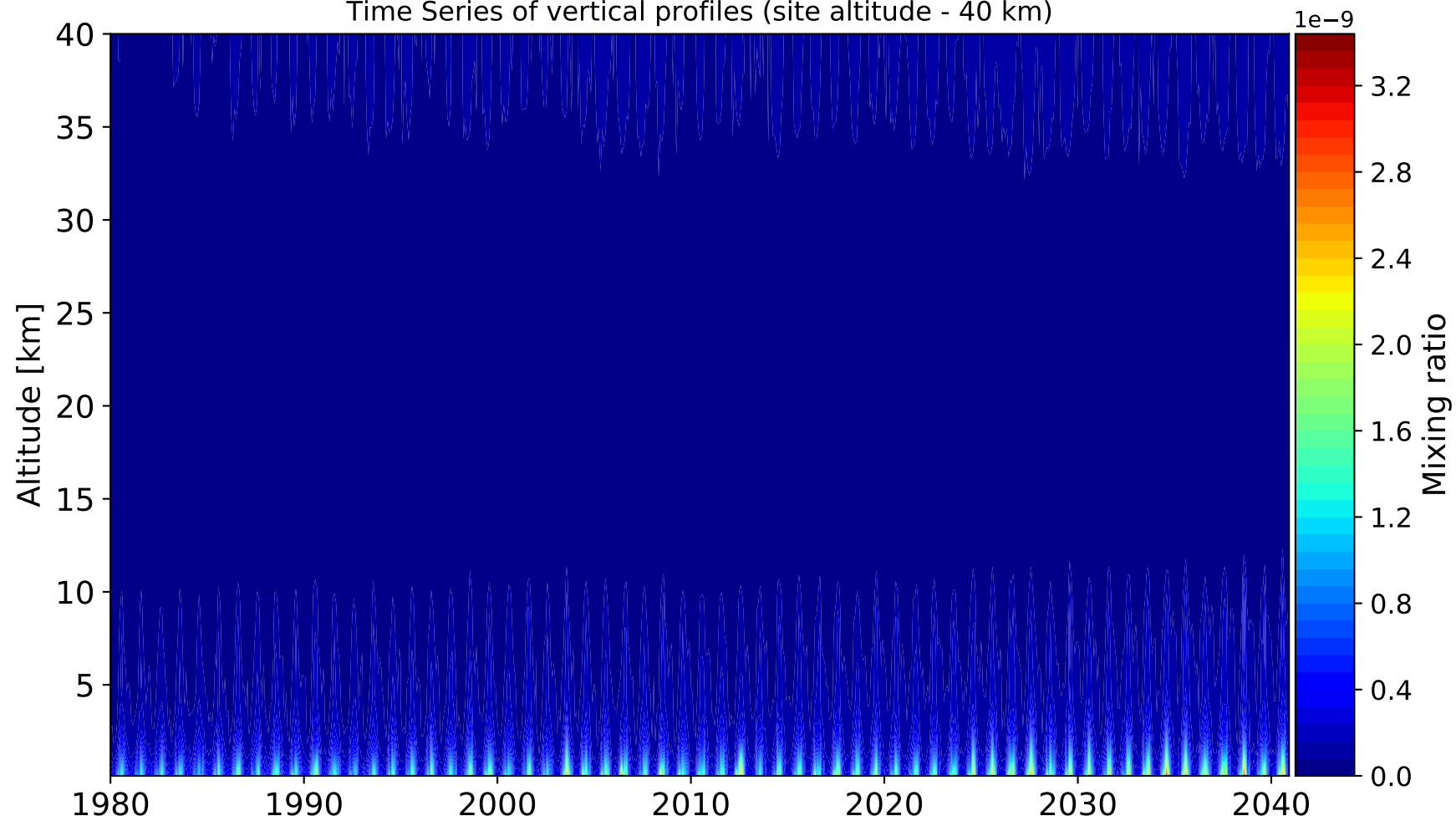


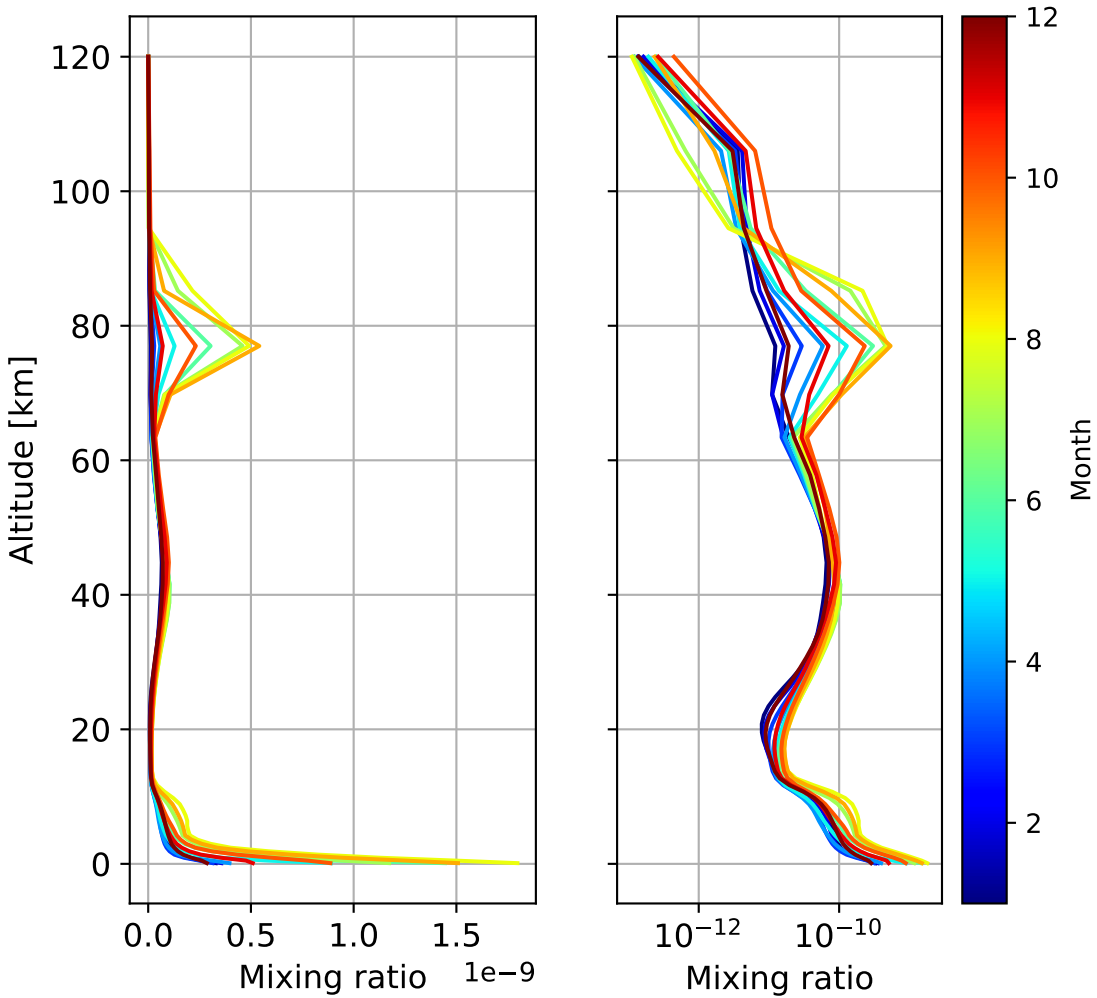
Time Series of vertical profiles (site altitude - 120 km)



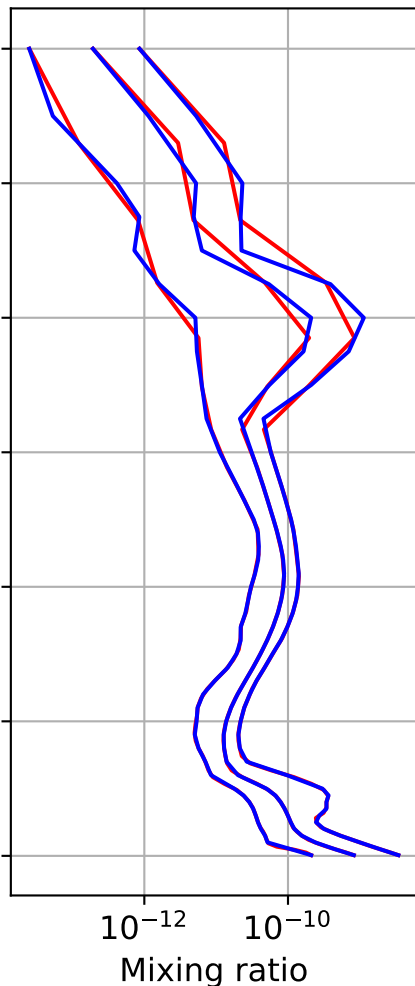
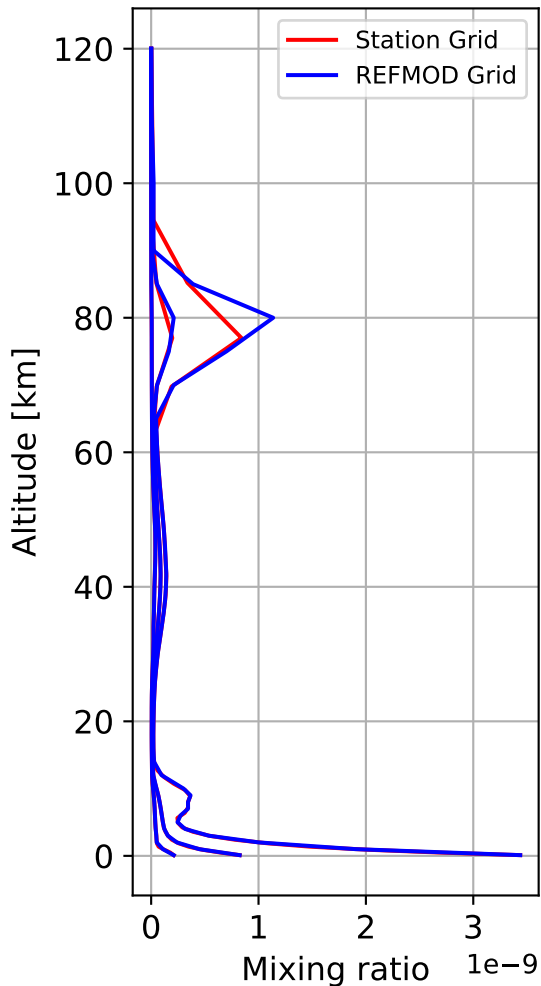
Time Series of vertical profiles (site altitude - 40 km)



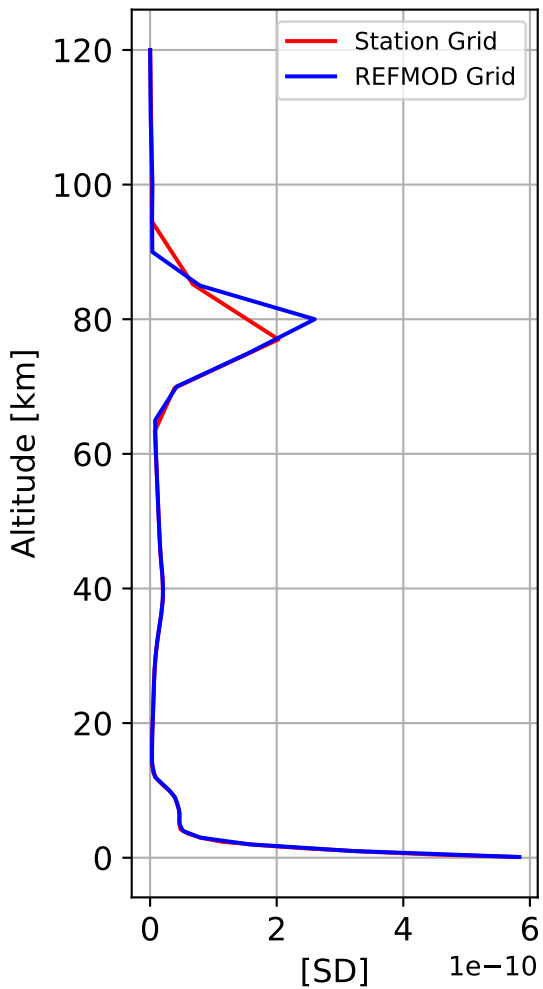
Monthly mean WACCM profile (interpolated to station grid) Tomsk, 56.475N, 85.046E, 0.106kmasl



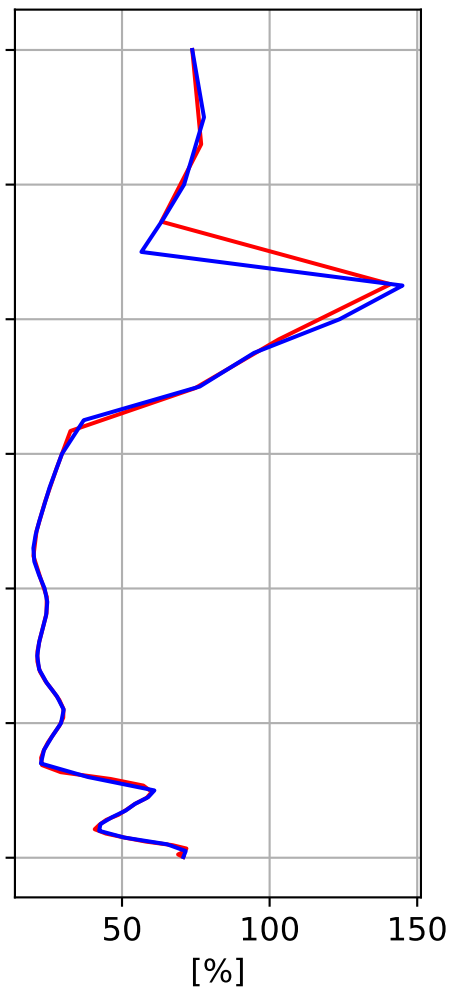
Min, Max, Mean of 732 profiles
Tomsk, 56.475N, 85.046E, 0.106kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-19

Altitude [km]

120
100
80
60
40
20

20

40

60

80

100

120

Altitude [km]

3.2
2.8
2.4
2.0
1.6
1.2
0.8
0.4
0.0Mixing ratio[~ 2]