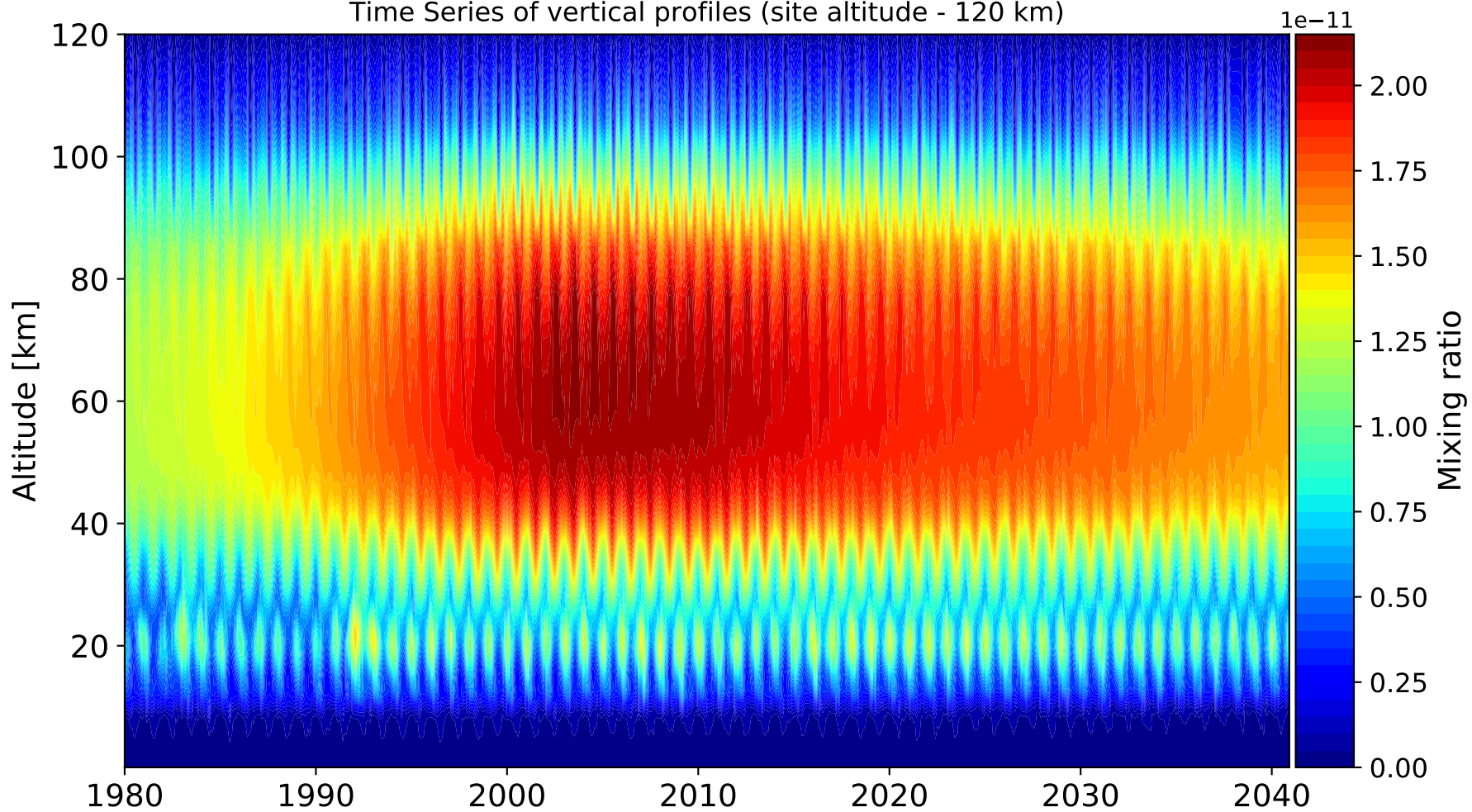
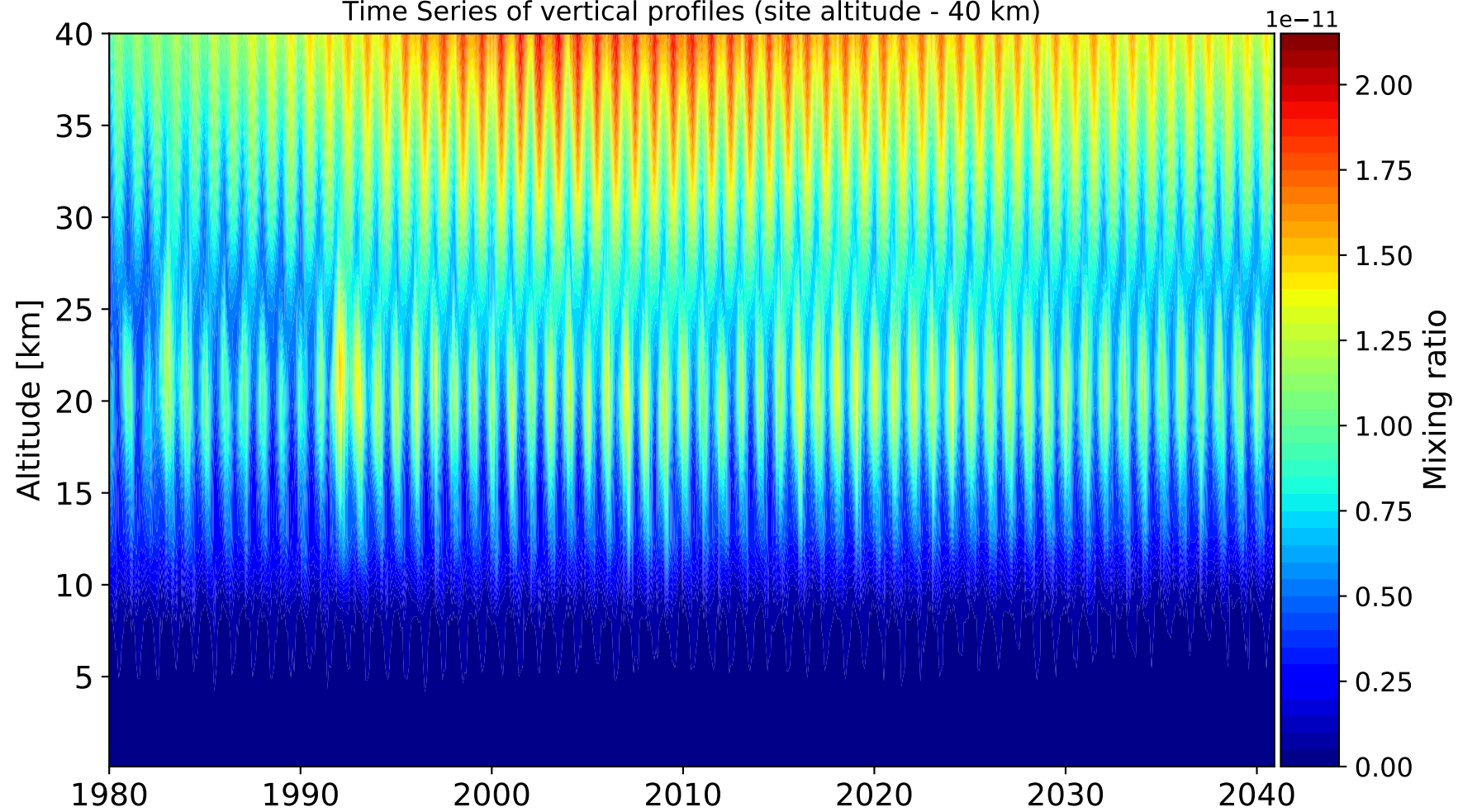


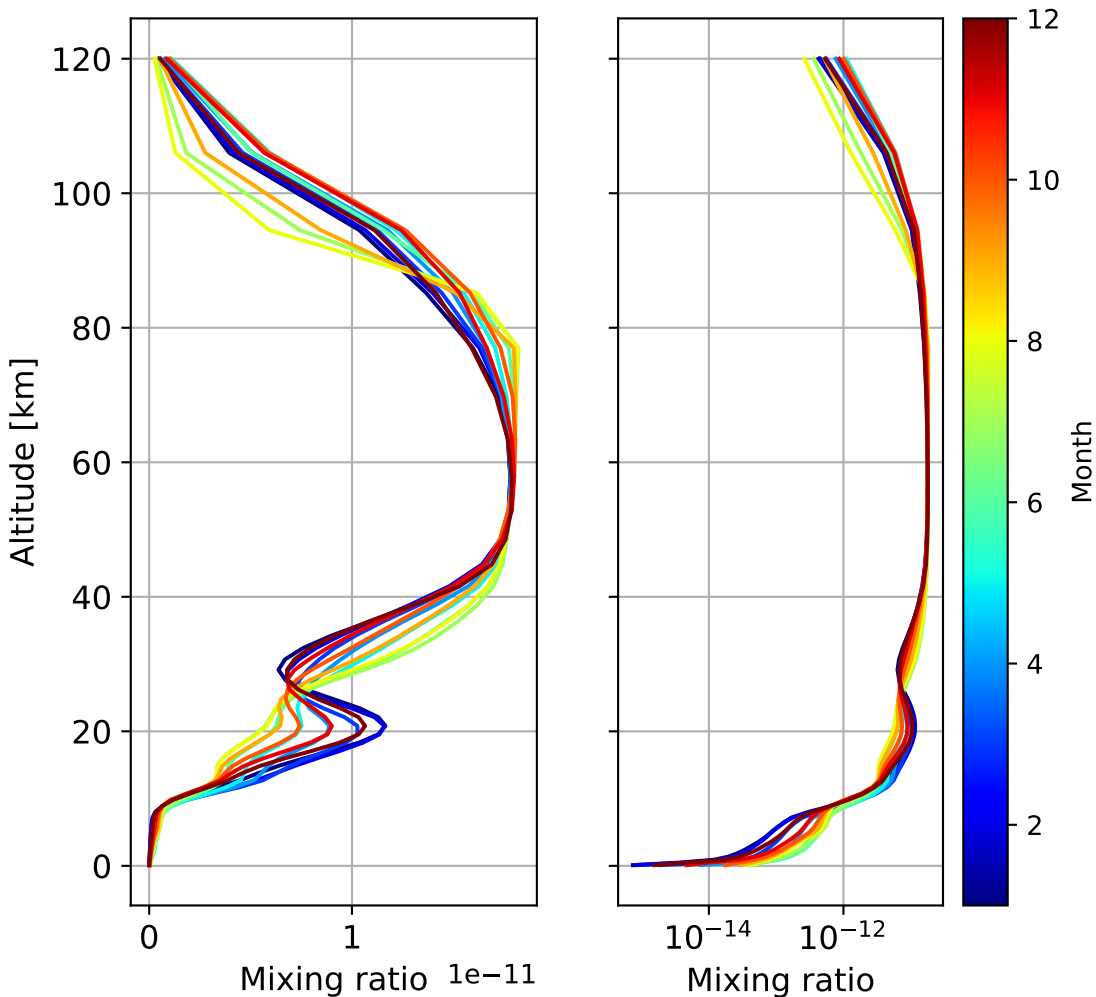
Time Series of vertical profiles (site altitude - 120 km)



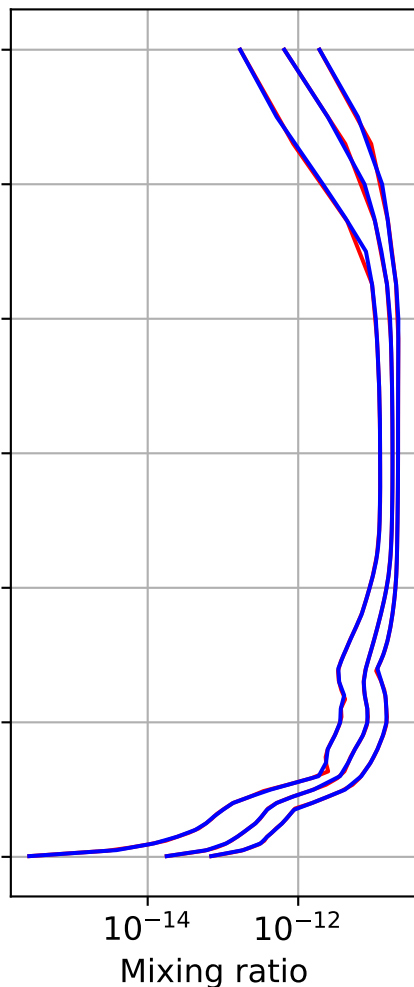
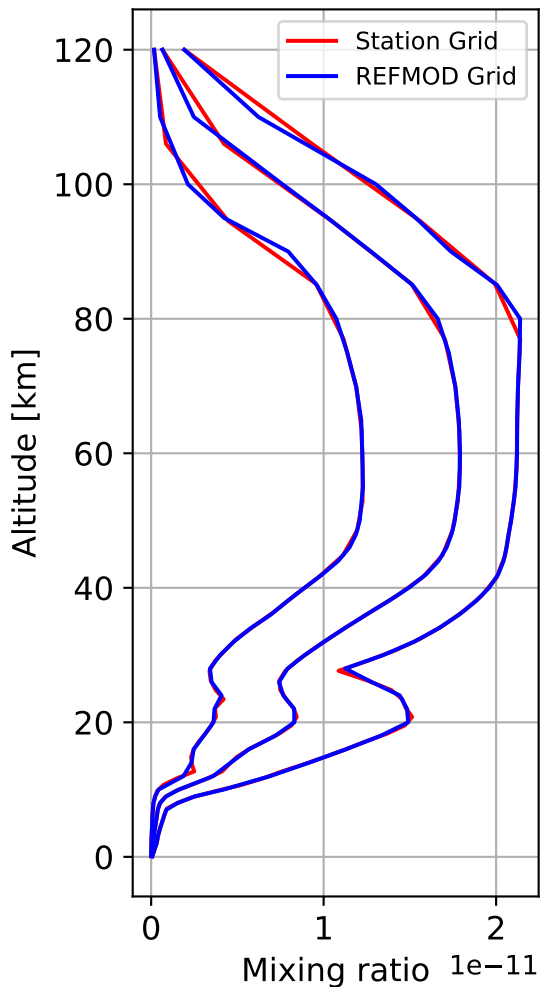
Time Series of vertical profiles (site altitude - 40 km)



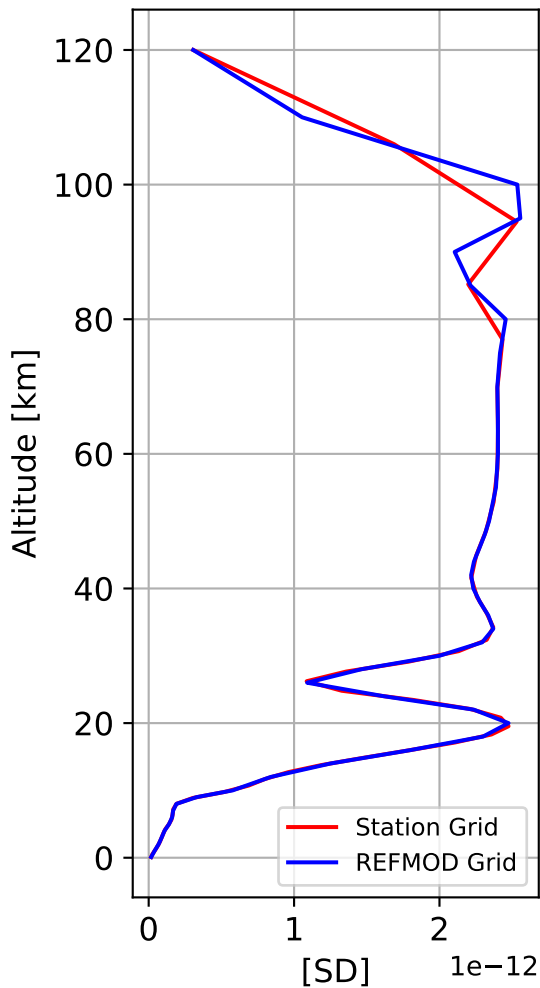
Monthly mean WACCM profile (interpolated to station grid)  
Tomsk, 56.475N, 85.046E, 0.106kmasl



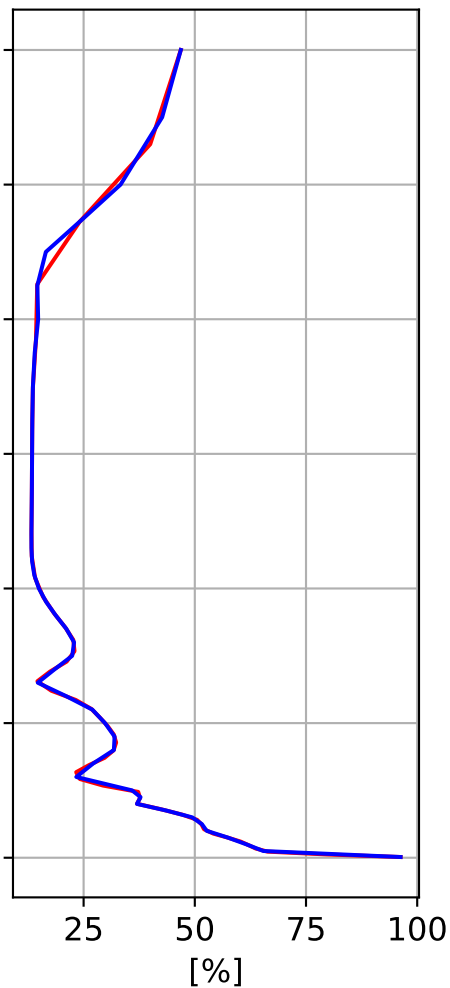
Min, Max, Mean of 732 profiles  
Tomsk, 56.475N, 85.046E, 0.106kmasl



Std. Deviation



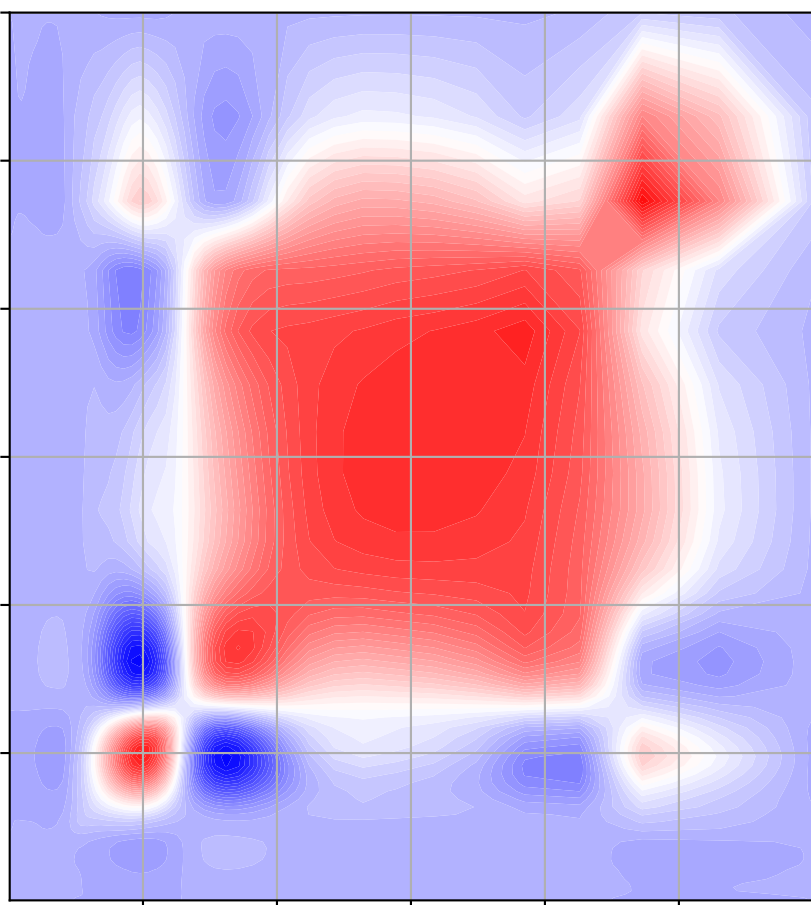
Percent Deviation



Level covariance matrix

1e-24

Altitude [km]

120  
100  
80  
60  
40  
20Mixing ratio<sup>2</sup>]6.0  
4.8  
3.6  
2.4  
1.2  
0.0  
-1.2  
-2.4

20

Altitude [km]

40

60

80

100

120