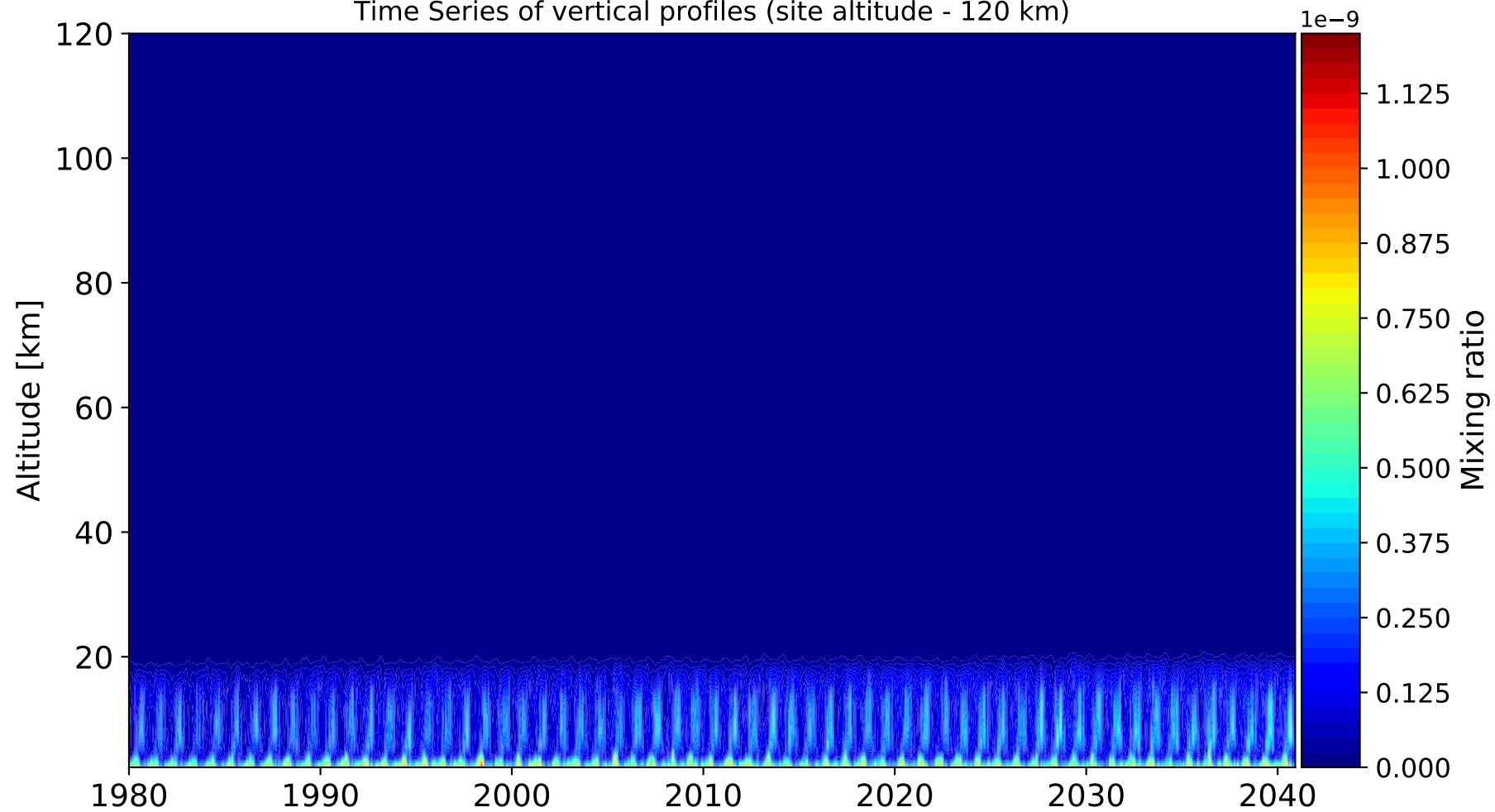
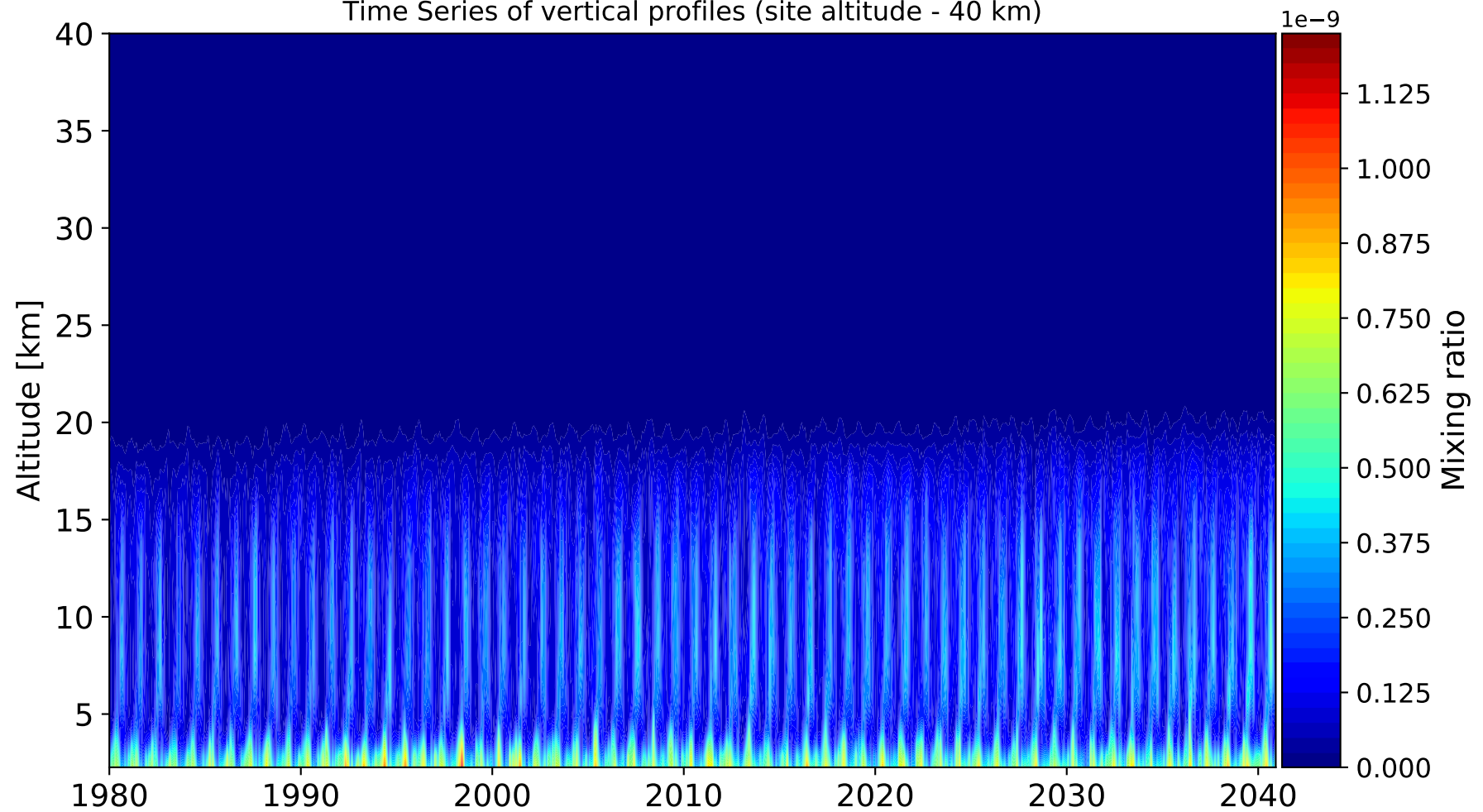


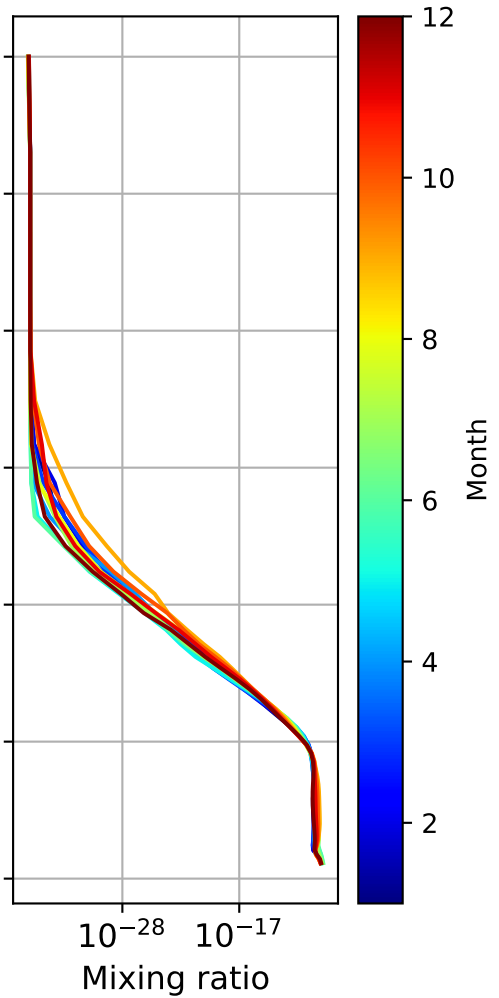
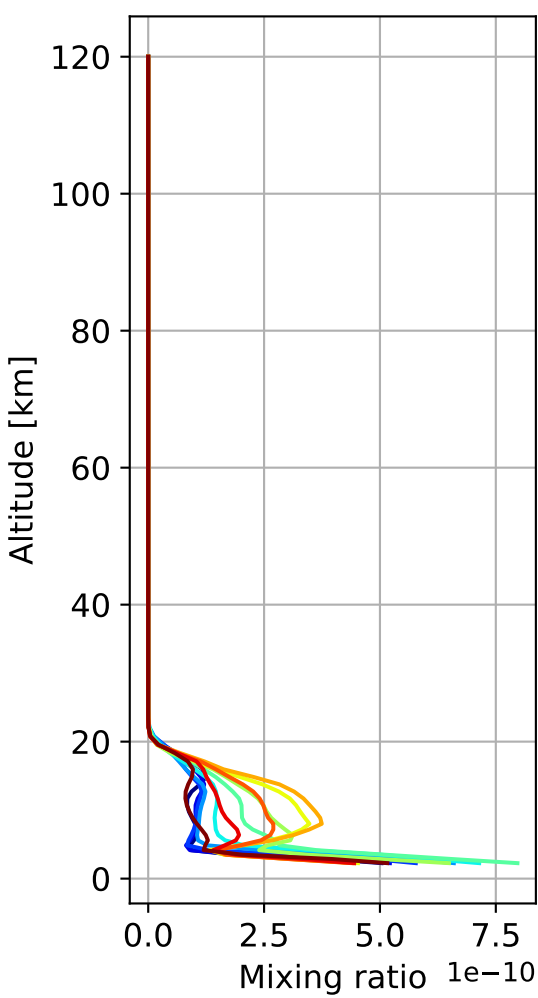
Time Series of vertical profiles (site altitude - 120 km)



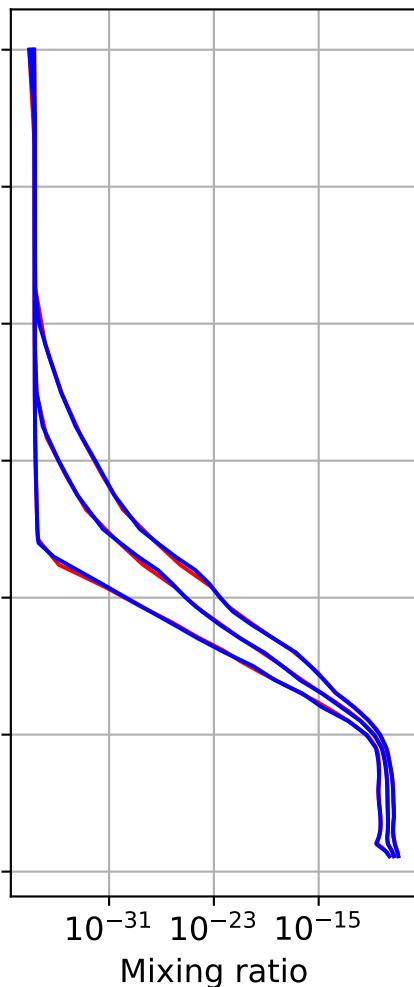
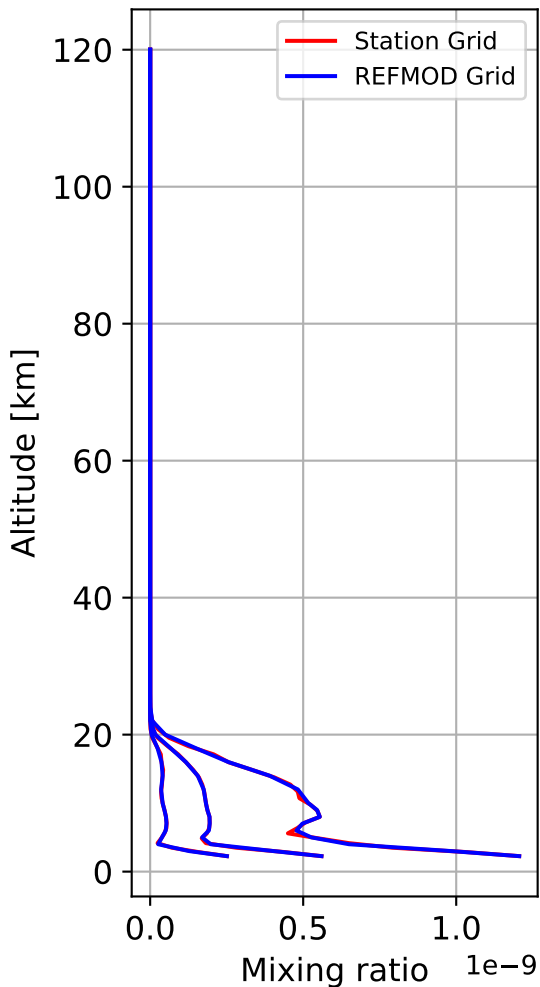
Time Series of vertical profiles (site altitude - 40 km)



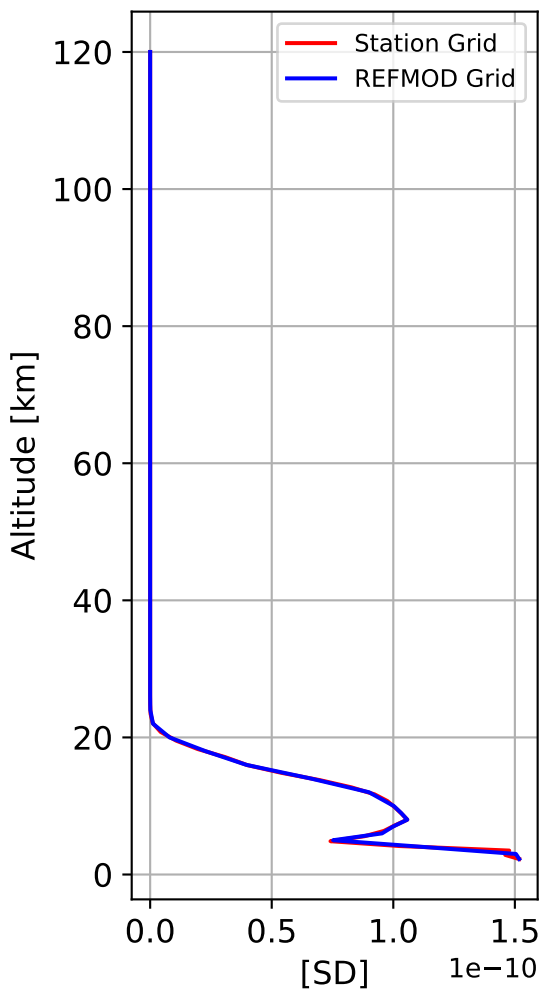
# Monthly mean WACCM profile (interpolated to station grid) Mexico\_City\_UNAM, 19.33N, 260.82E, 2.26kmasl



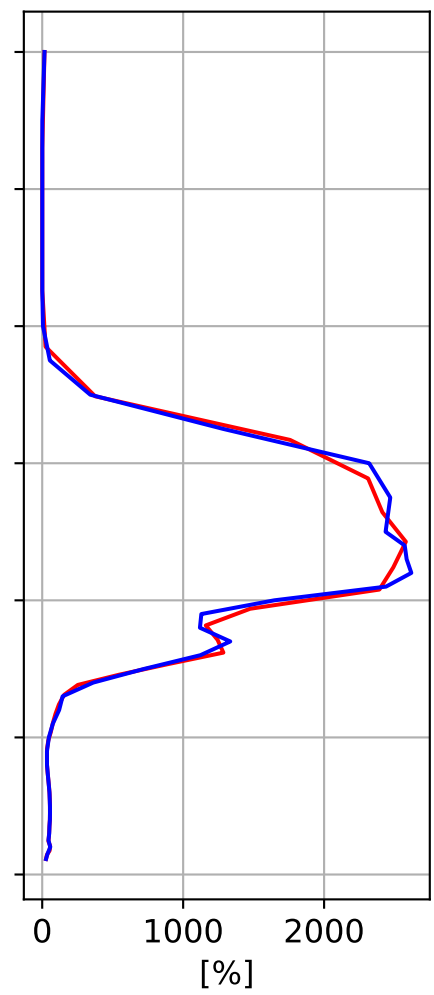
Min, Max, Mean of 732 profiles  
Mexico\_City\_UNAM, 19.33N, 260.82E, 2.26kmasl



### Std. Deviation



### Percent Deviation

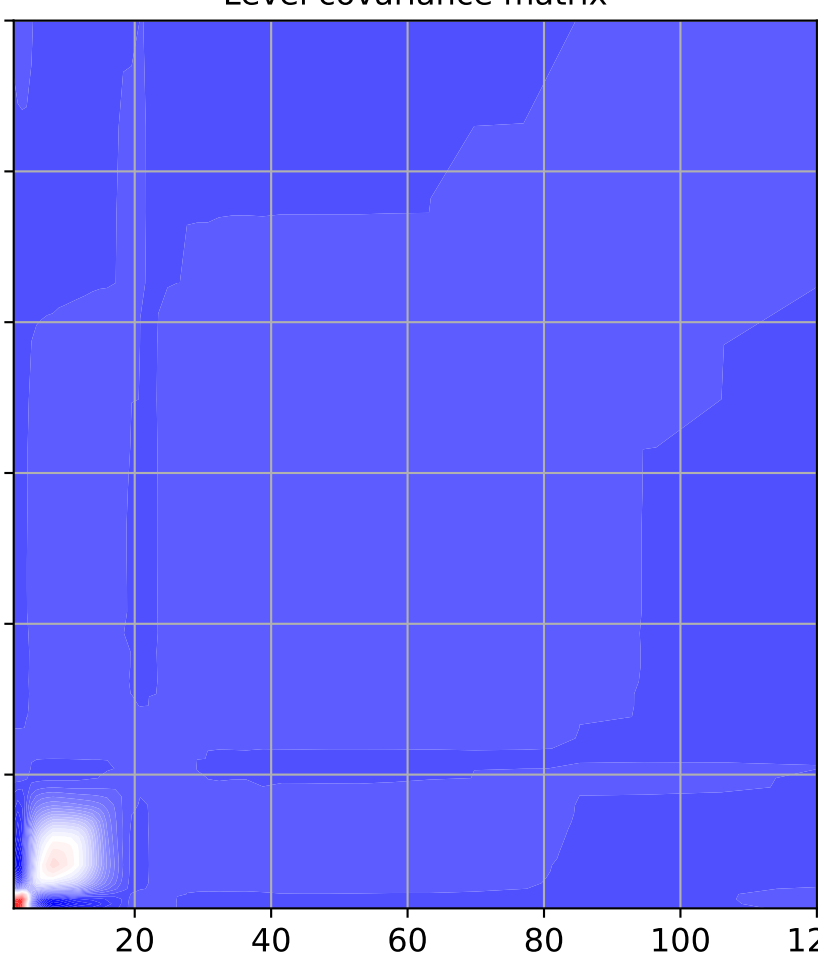


# Level covariance matrix

1e-20

Altitude [km]

120  
100  
80  
60  
40  
20



Mixing ratio[<sup>2</sup>]

2.1  
1.8  
1.5  
1.2  
0.9  
0.6  
0.3  
0.0  
-0.3

Altitude [km]