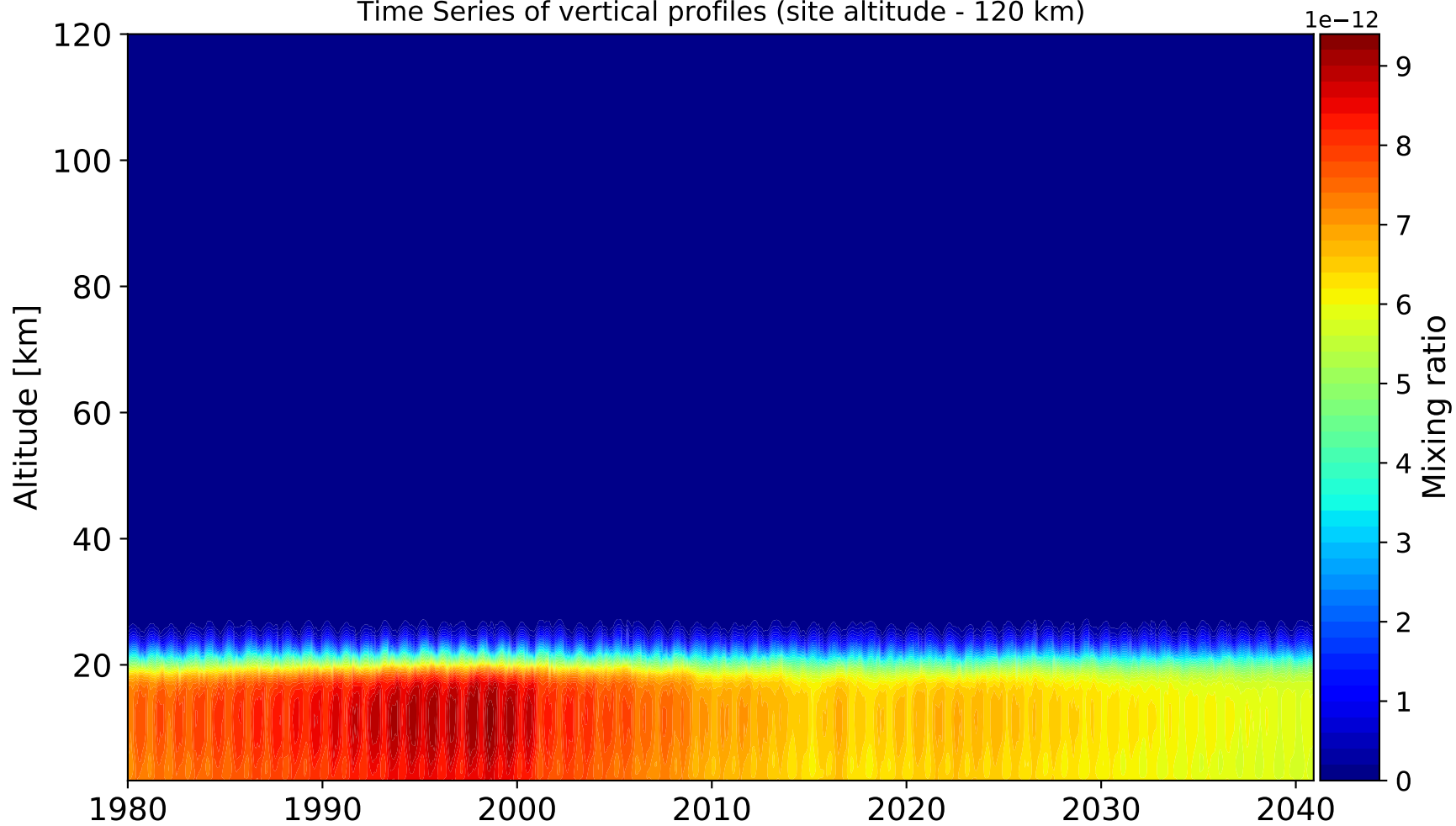
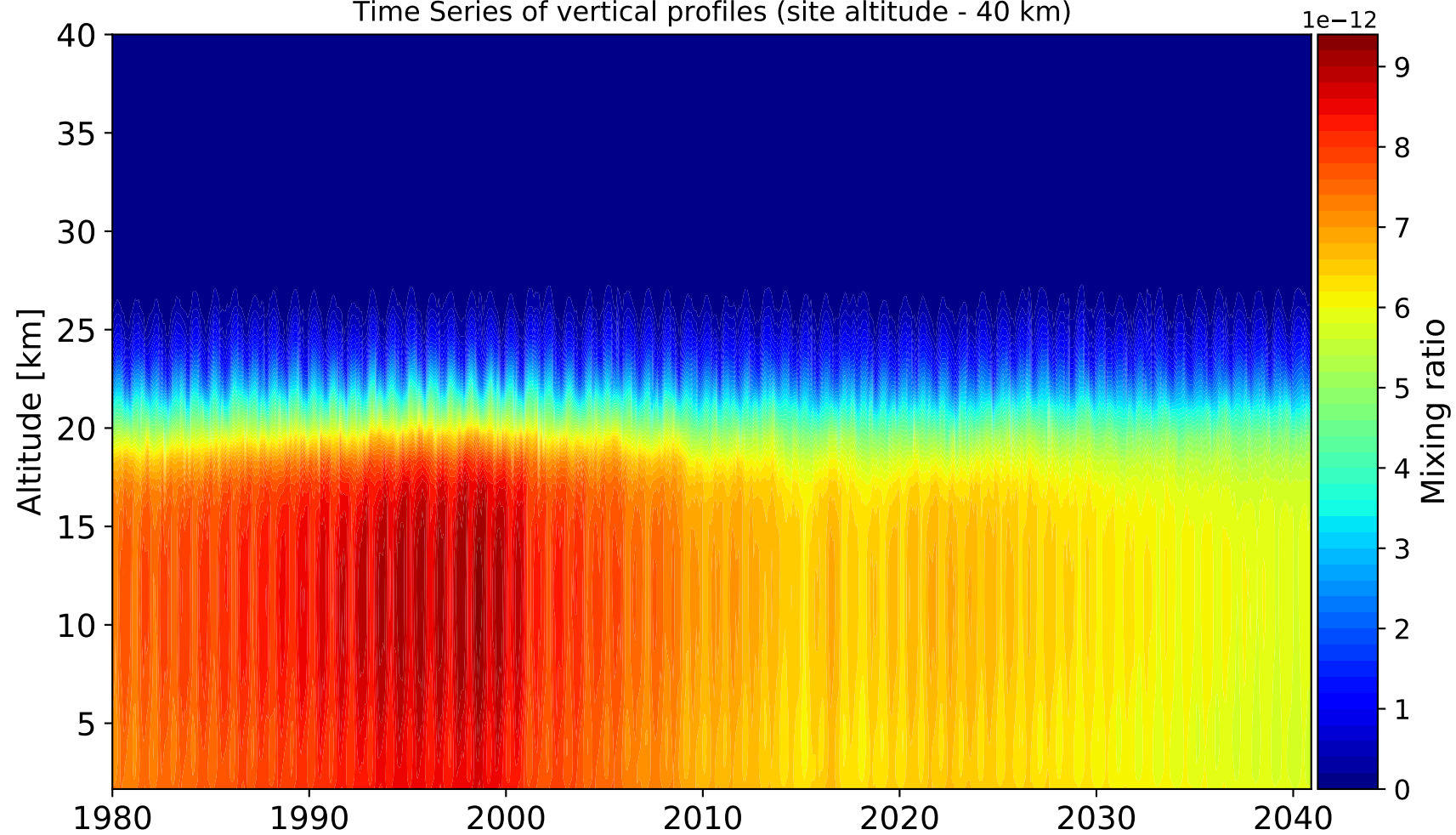


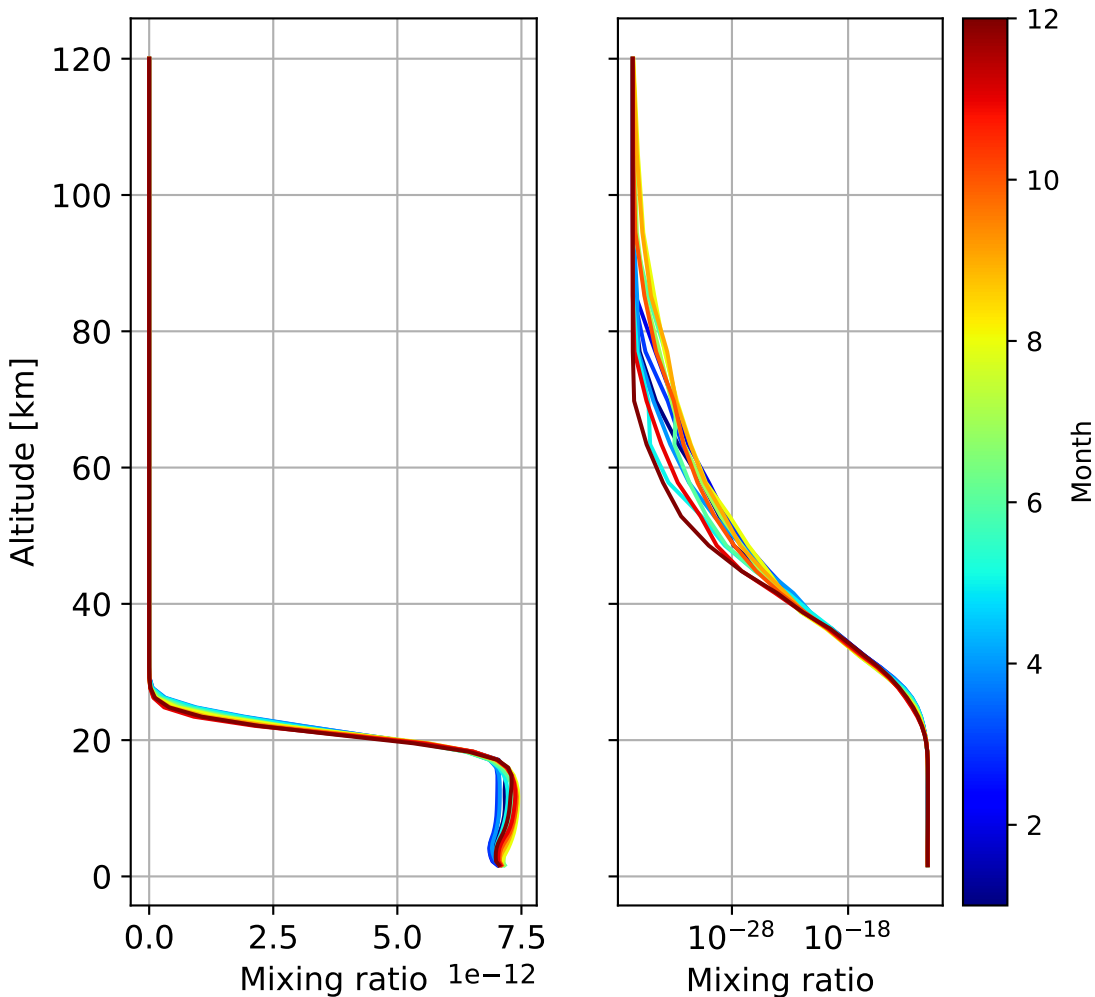
Time Series of vertical profiles (site altitude - 120 km)



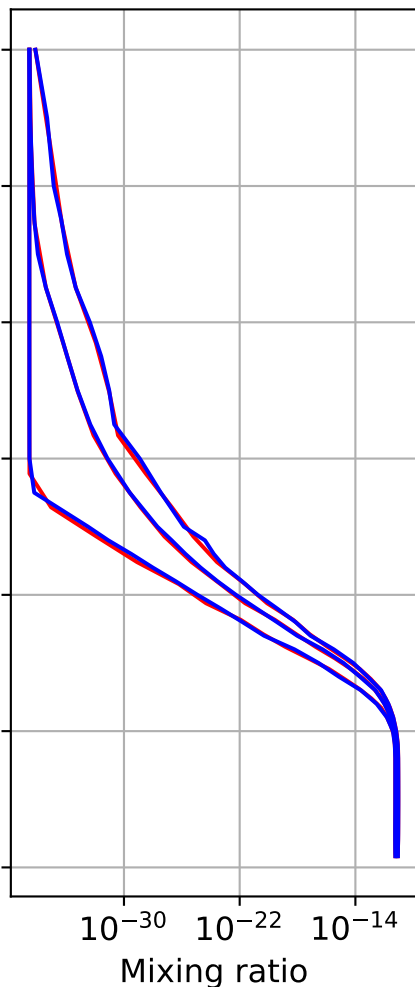
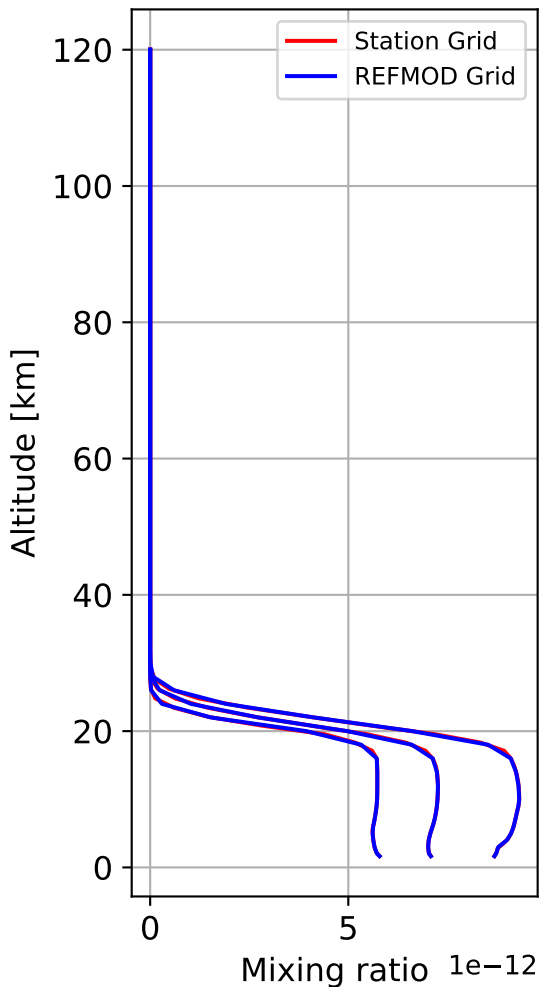
Time Series of vertical profiles (site altitude - 40 km)



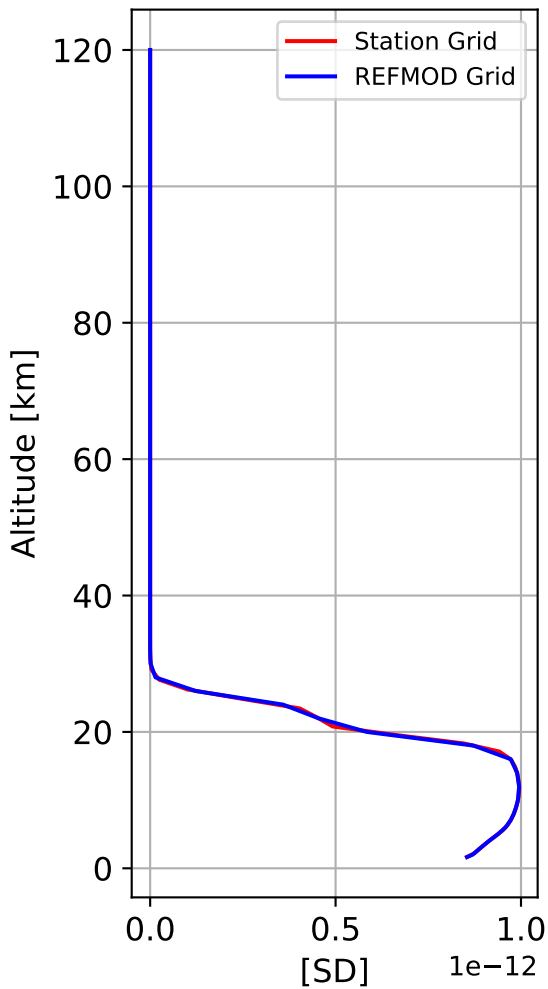
# Monthly mean WACCM profile (interpolated to station grid) Windhoek, -22.57N, 17.08E, 1.655kmasl



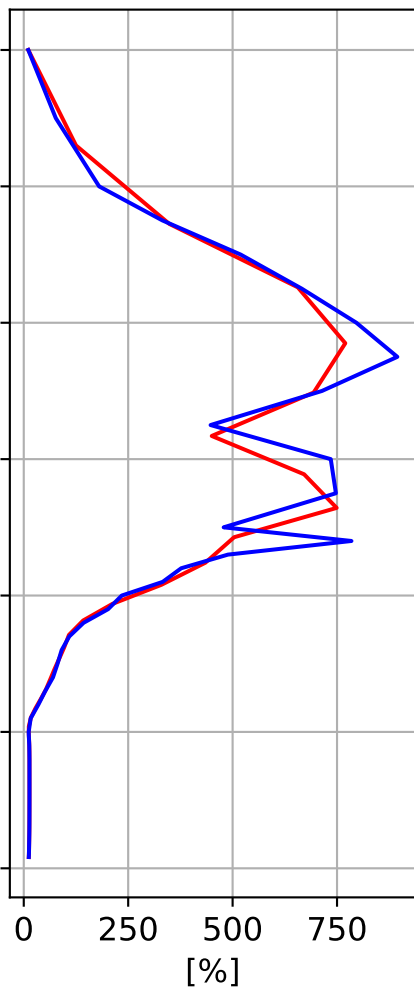
Min, Max, Mean of 732 profiles  
Windhoek, -22.57N, 17.08E, 1.655kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

1e-25

Altitude [km]

120  
100  
80  
60  
40  
20

20 40 60 80 100 120

Altitude [km]

Mixing ratio[ $\sim 2$ ]

9.6  
8.4  
7.2  
6.0  
4.8  
3.6  
2.4  
1.2  
0.0

