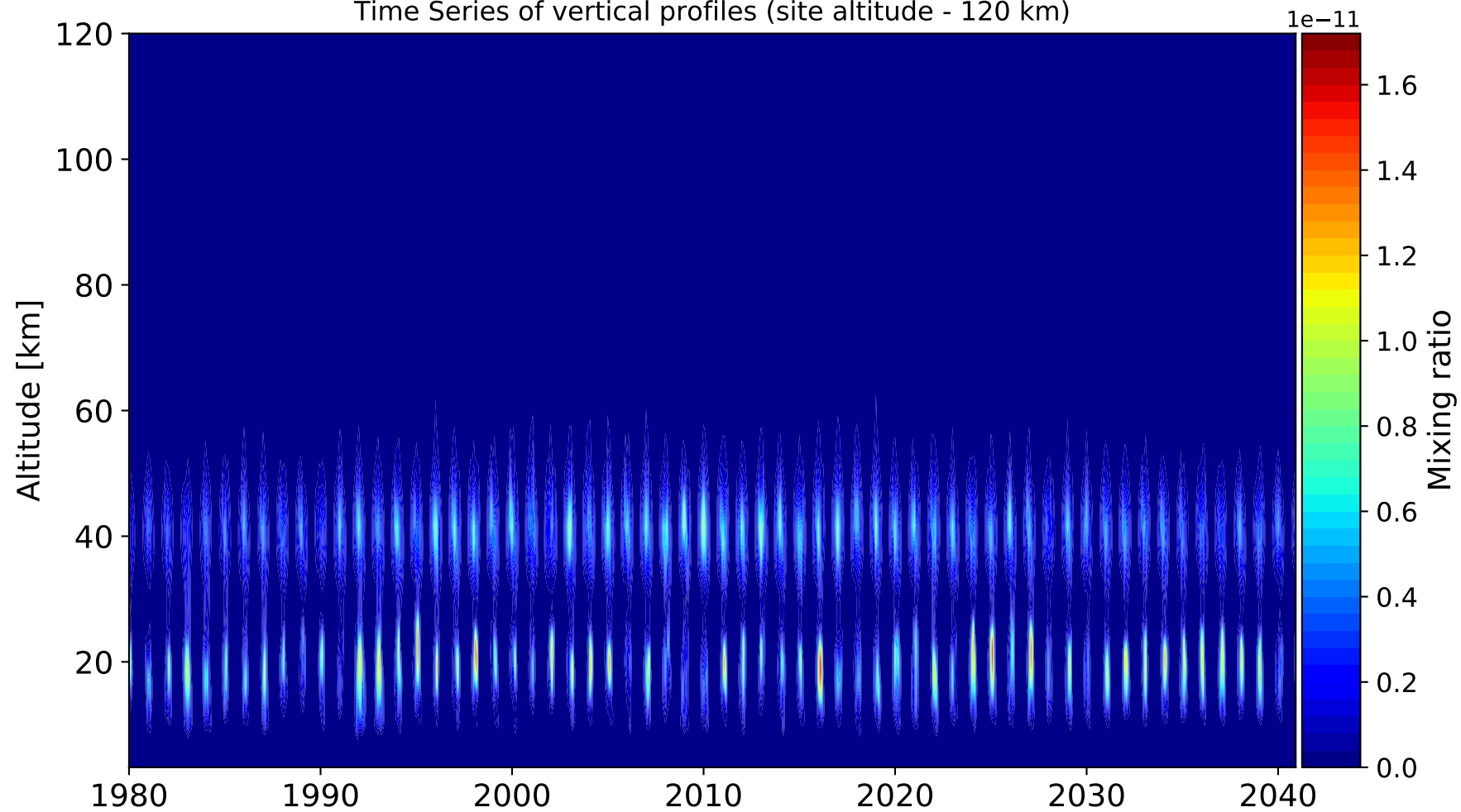
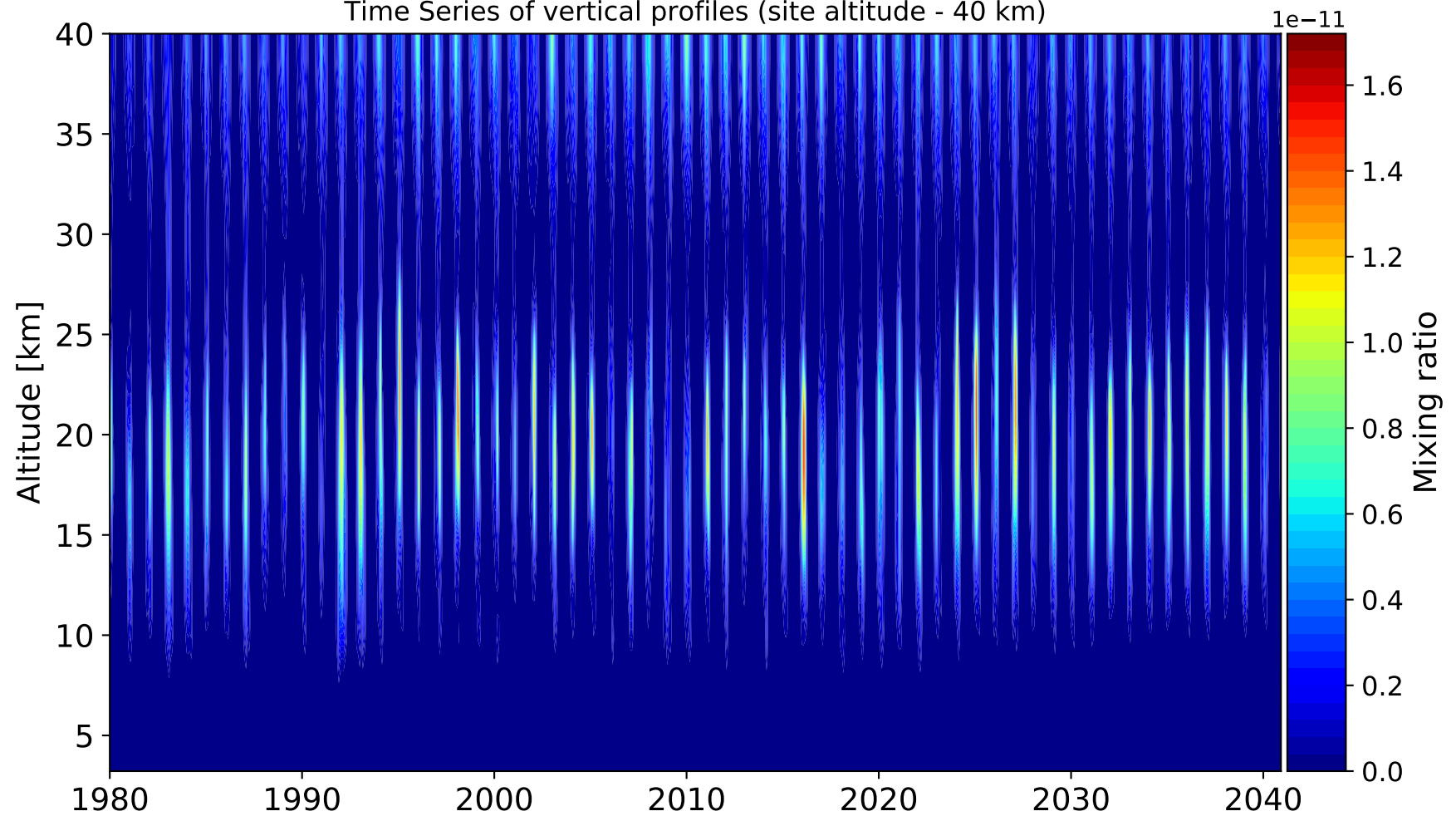


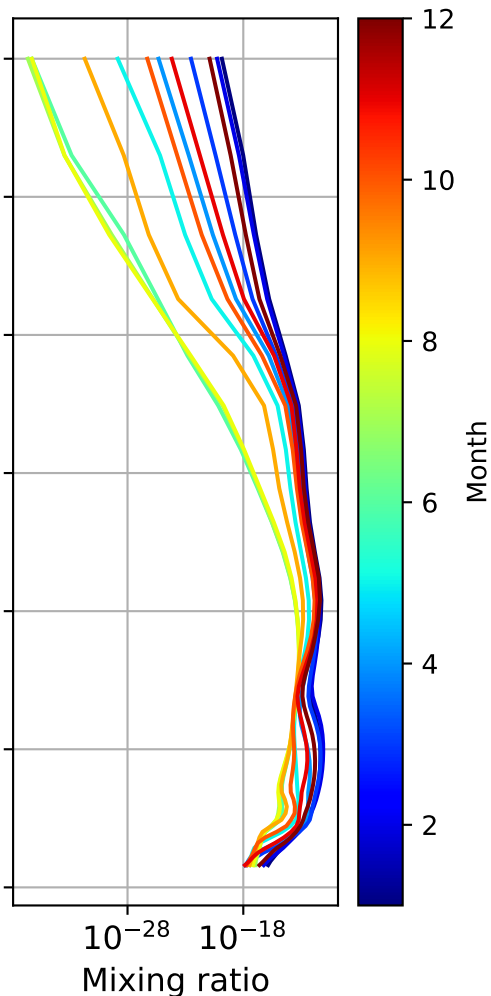
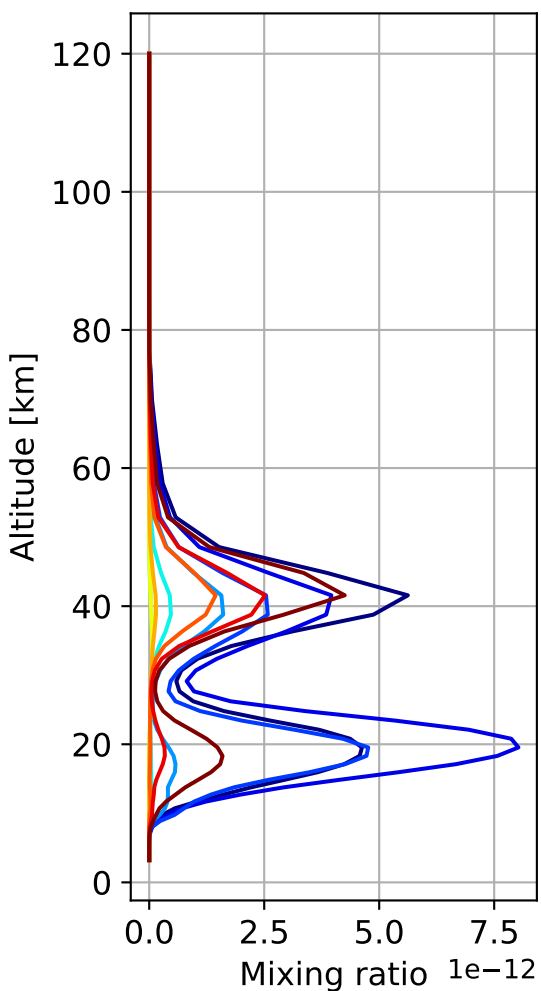
Time Series of vertical profiles (site altitude - 120 km)



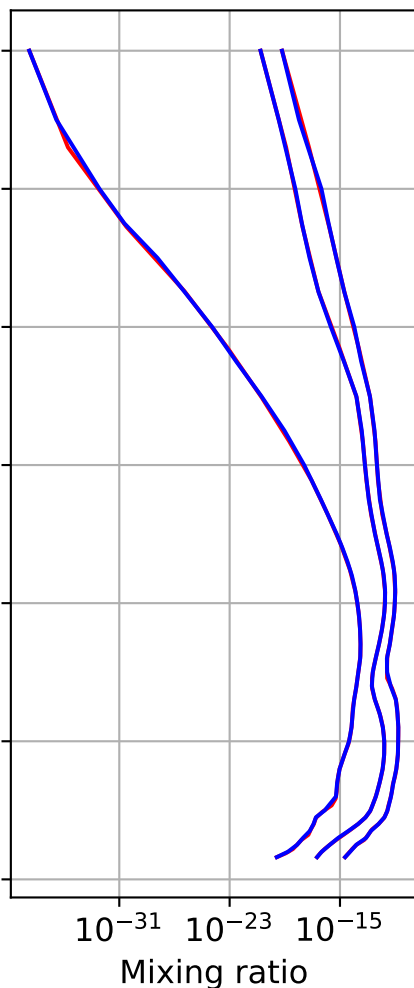
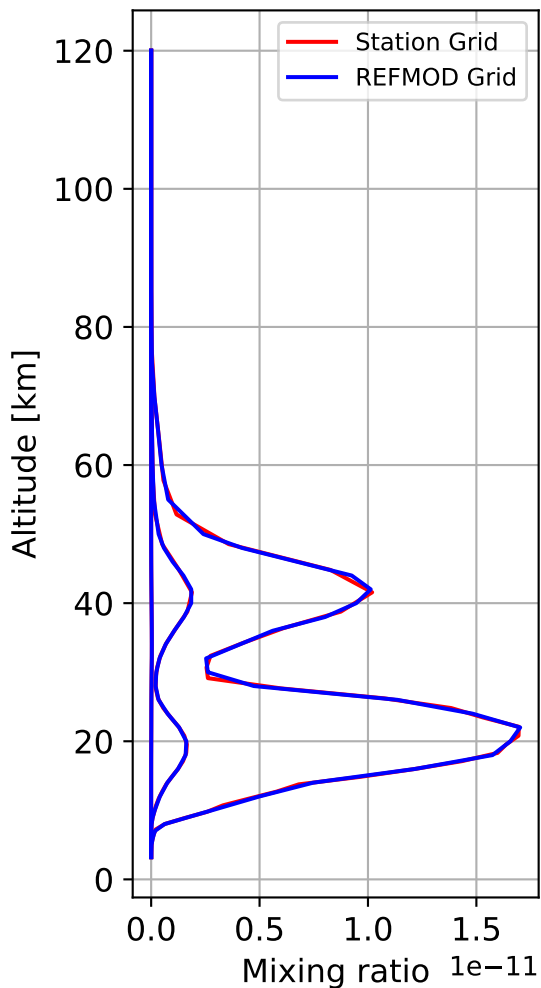
Time Series of vertical profiles (site altitude - 40 km)



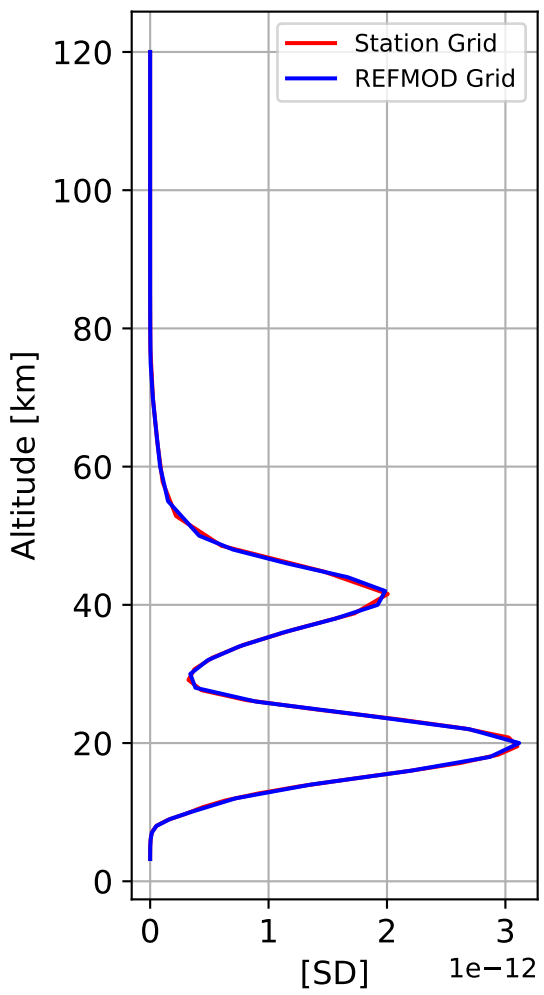
# Monthly mean WACCM profile (interpolated to station grid) Summit, 72.5796N, 321.5408E, 3.22kmasl



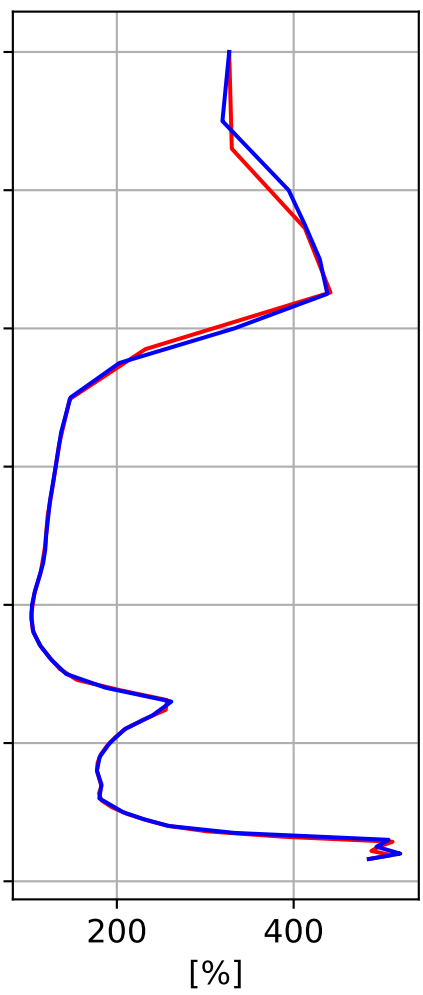
Min, Max, Mean of 732 profiles  
Summit, 72.5796N, 321.5408E, 3.22kmasl



### Std. Deviation



### Percent Deviation

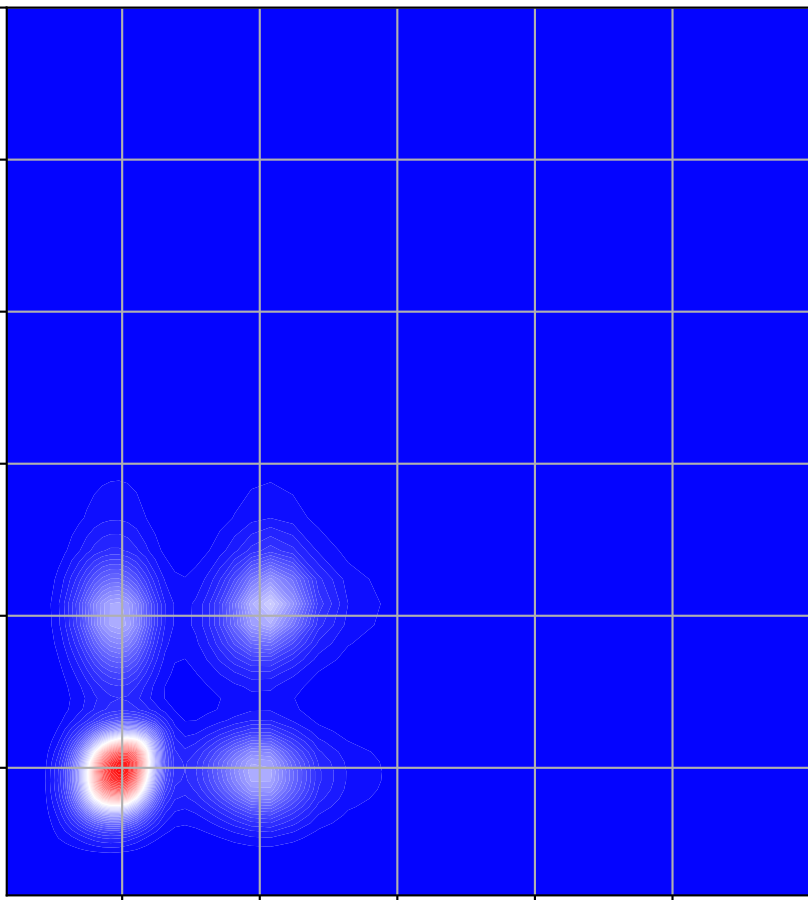


# Level covariance matrix

1e-24

Altitude [km]

120  
100  
80  
60  
40  
20



Mixing ratio[ $\sim 2$ ]

9  
8  
7  
6  
5  
4  
3  
2  
1  
0

Altitude [km]

20 40 60 80 100 120