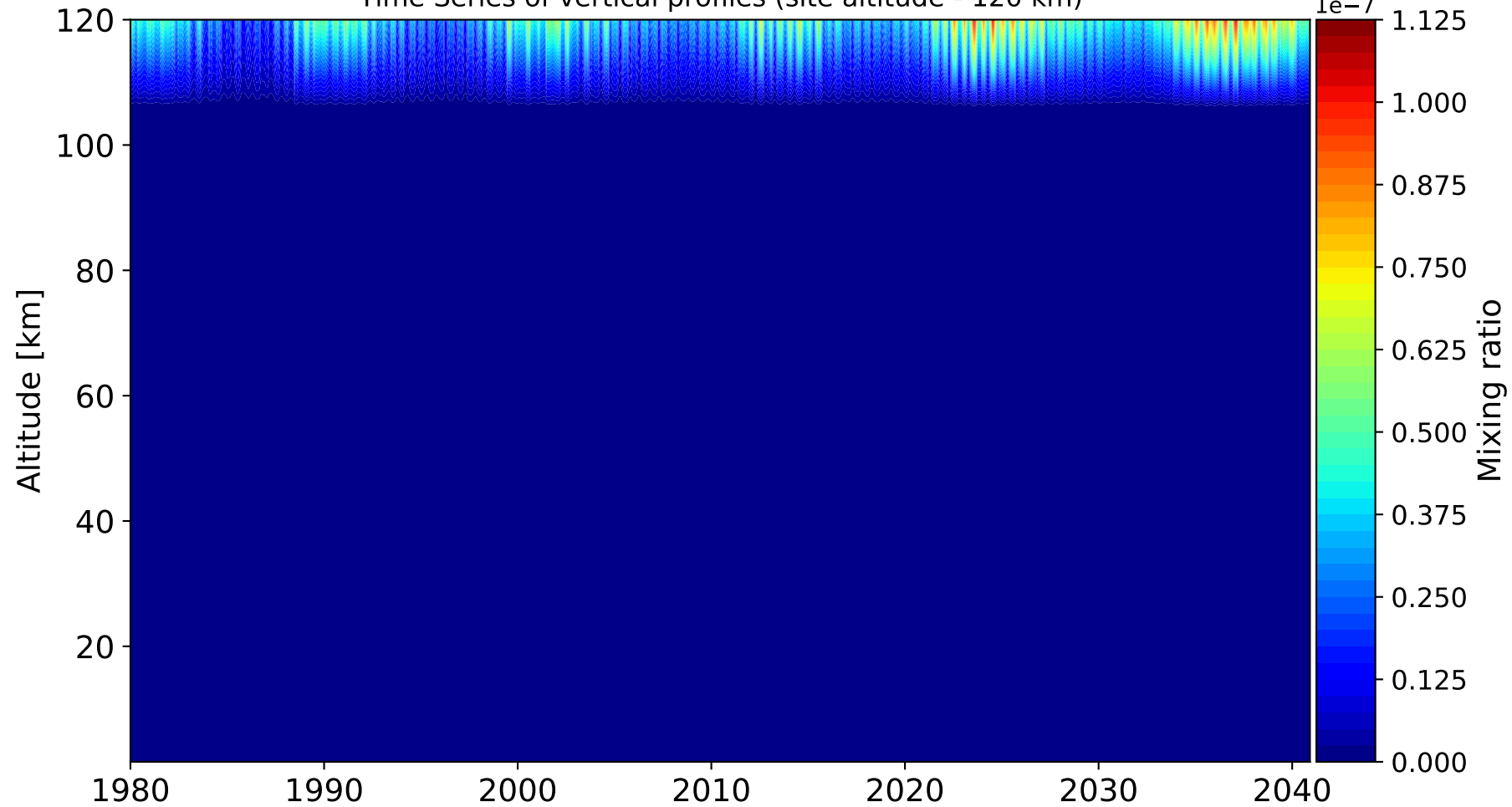
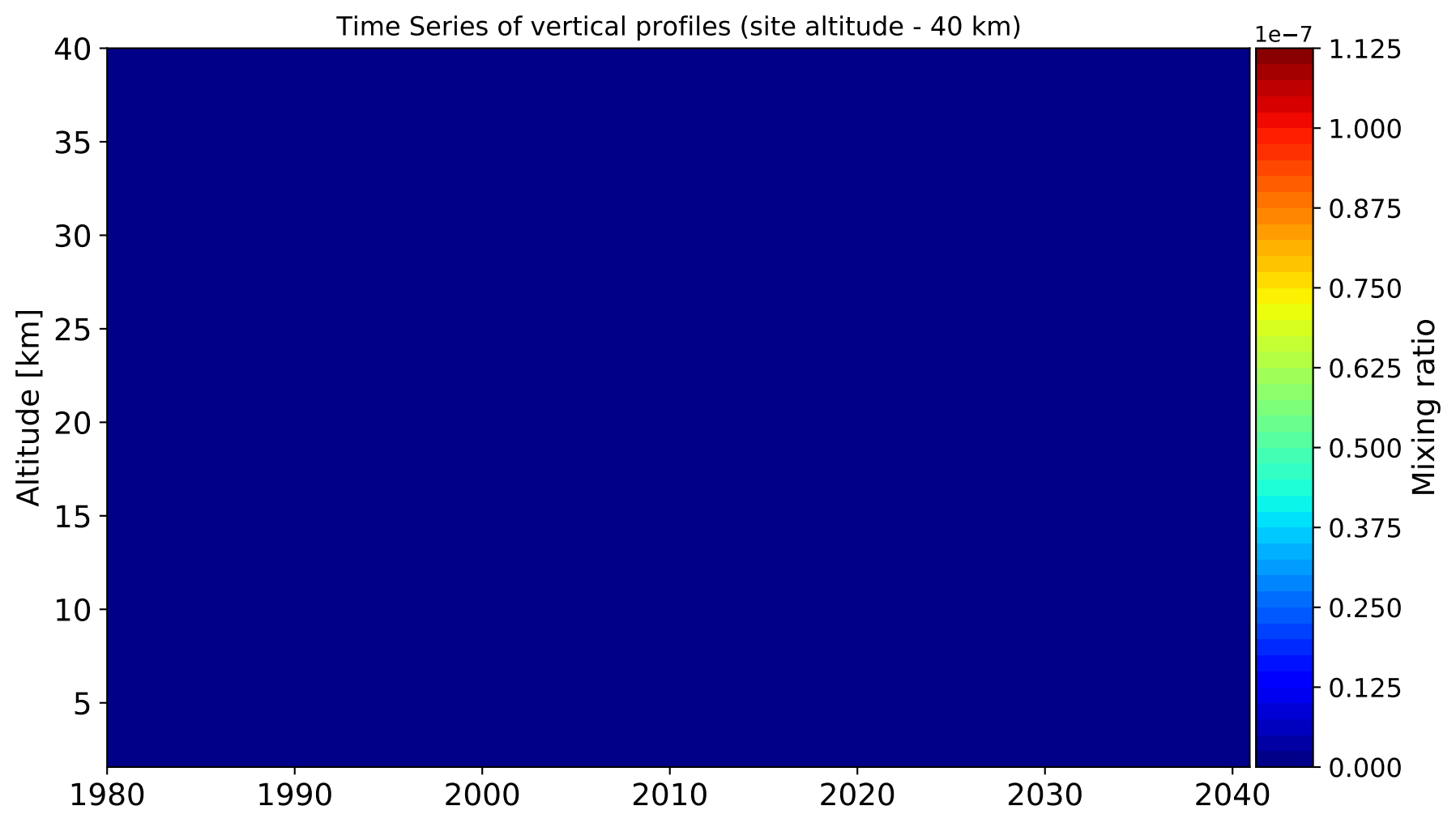


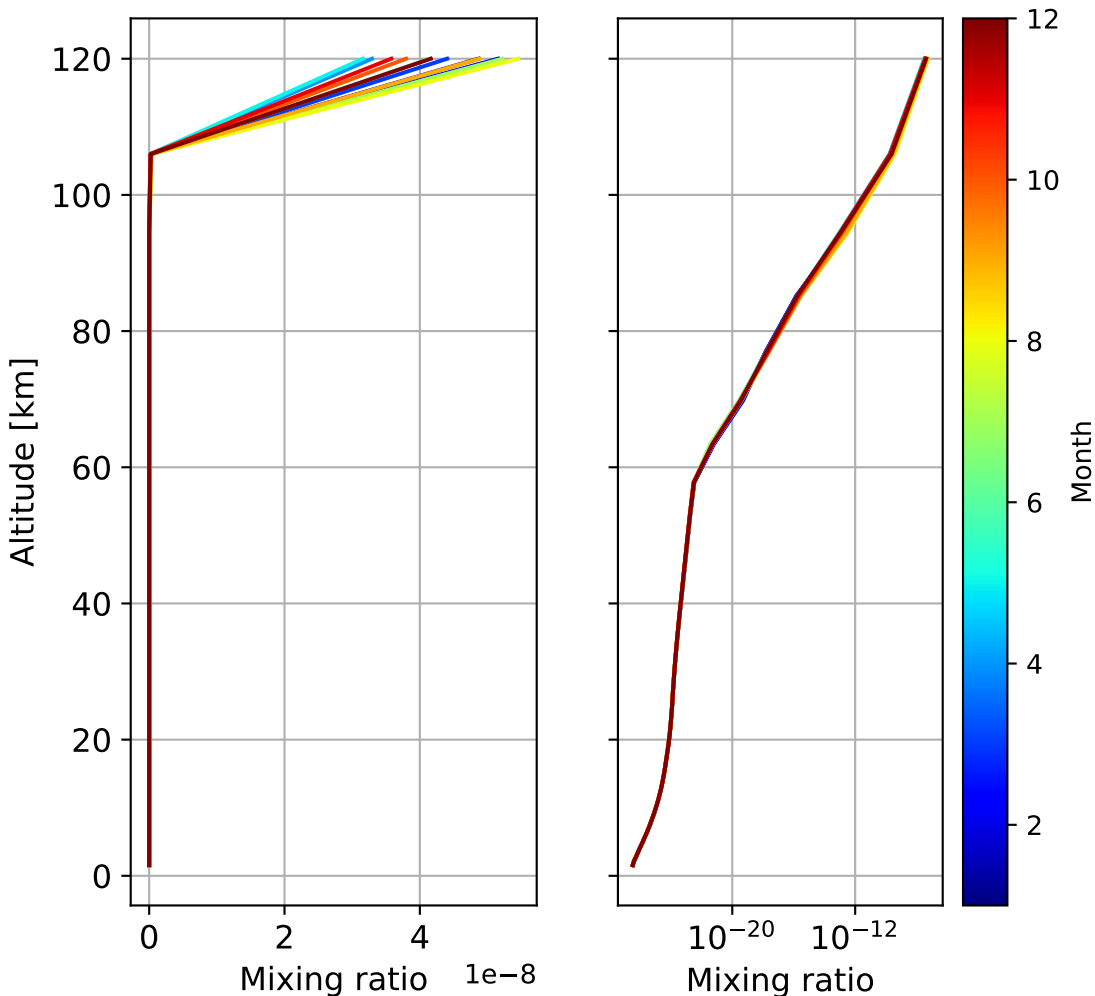
Time Series of vertical profiles (site altitude - 120 km)



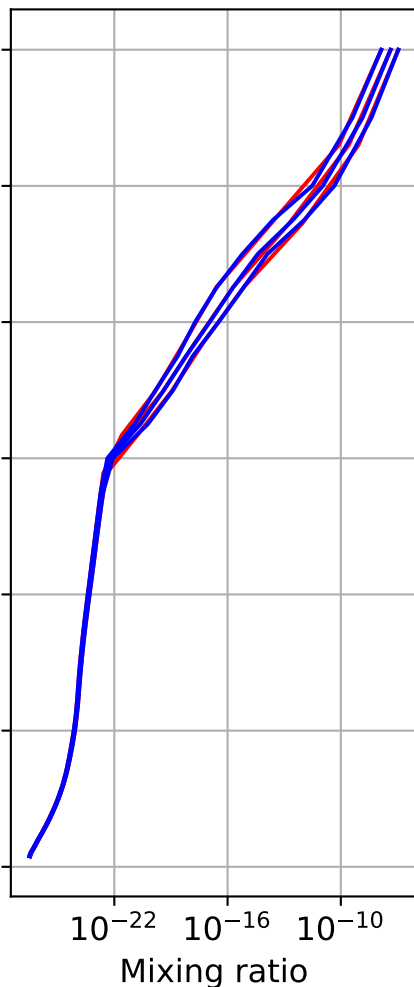
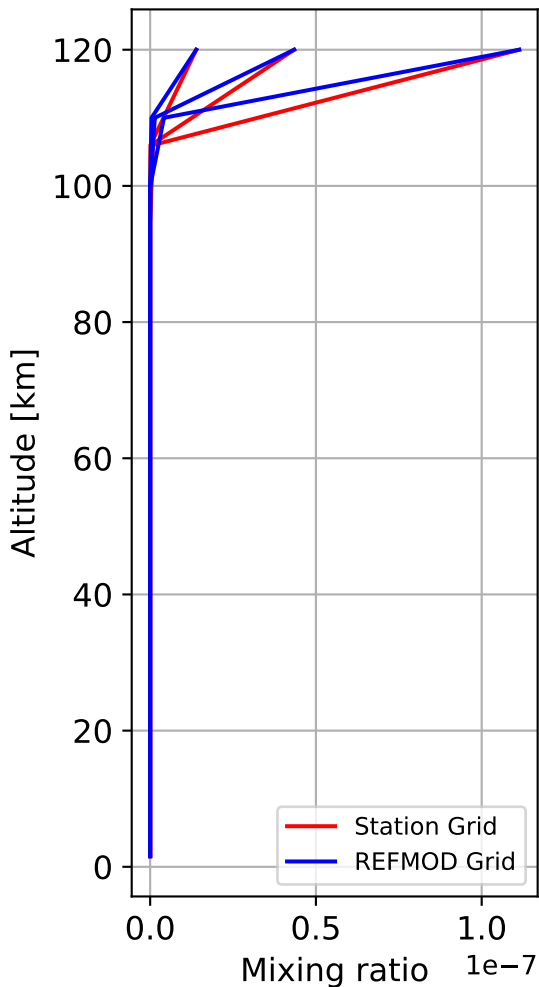
Time Series of vertical profiles (site altitude - 40 km)



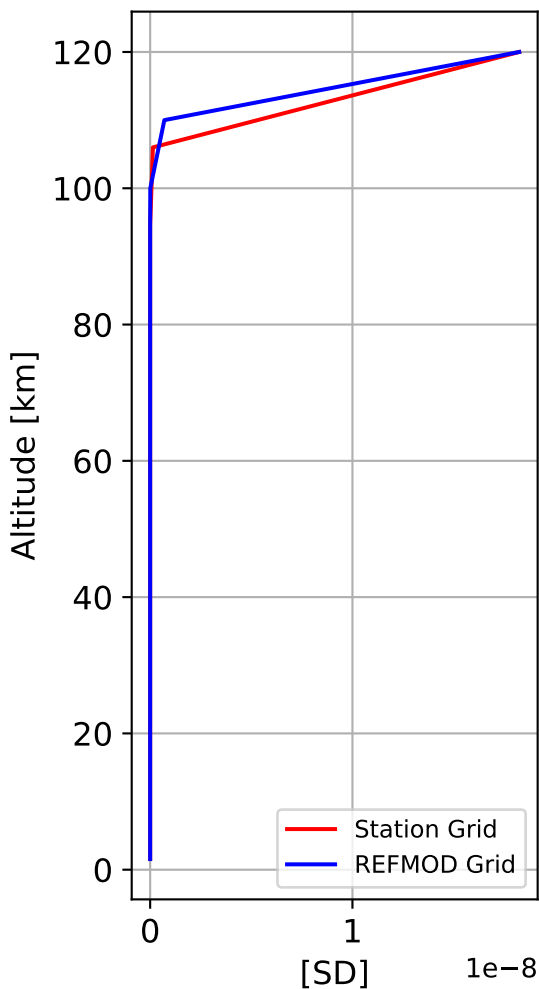
# Monthly mean WACCM profile (interpolated to station grid) Kigali, -1.94N, 30.06E, 1.567kmasl



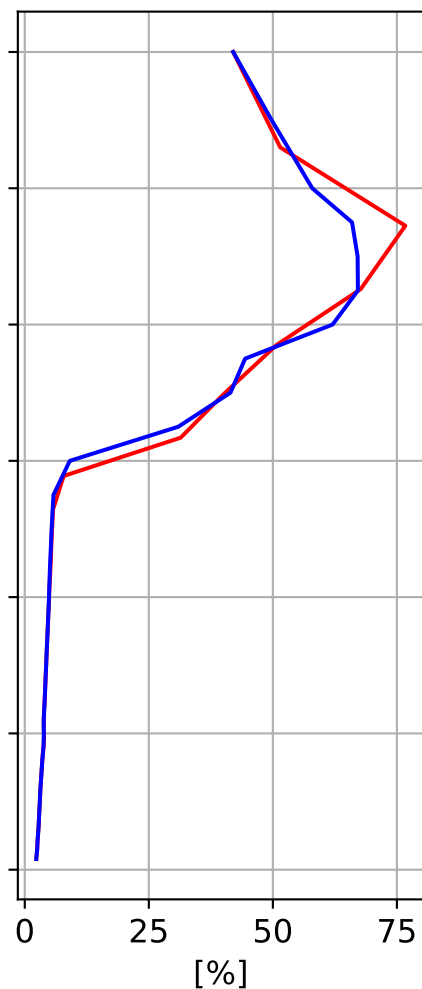
Min, Max, Mean of 732 profiles  
Kigali, -1.94N, 30.06E, 1.567kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

1e-16

Altitude [km]

120  
100  
80  
60  
40  
20

20

40

Altitude [km]

60

80

100

120

3.2  
2.8  
2.4  
2.0  
1.6  
1.2  
0.8  
0.4  
0.0Mixing ratio[ $\sim 2$ ]