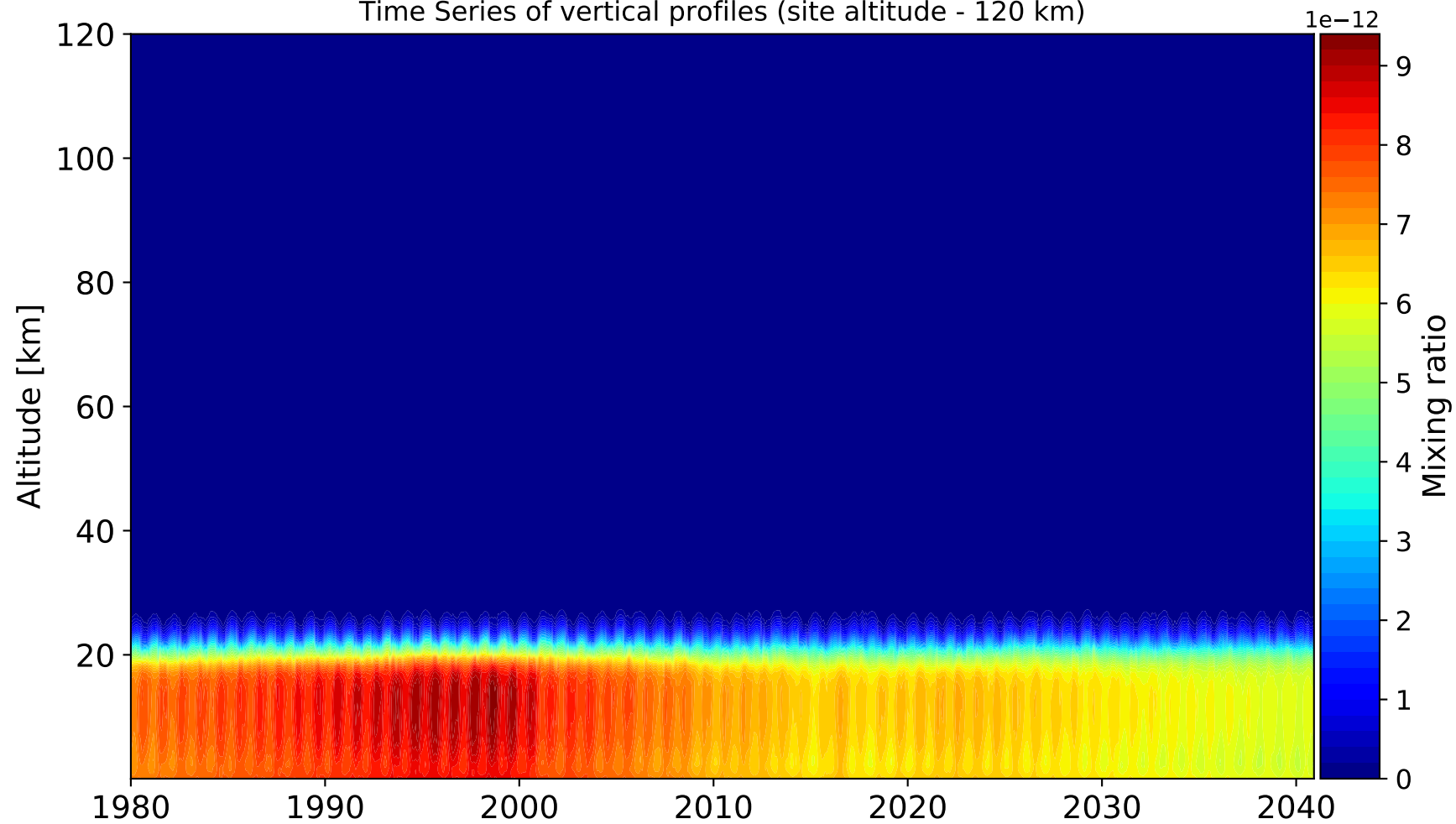
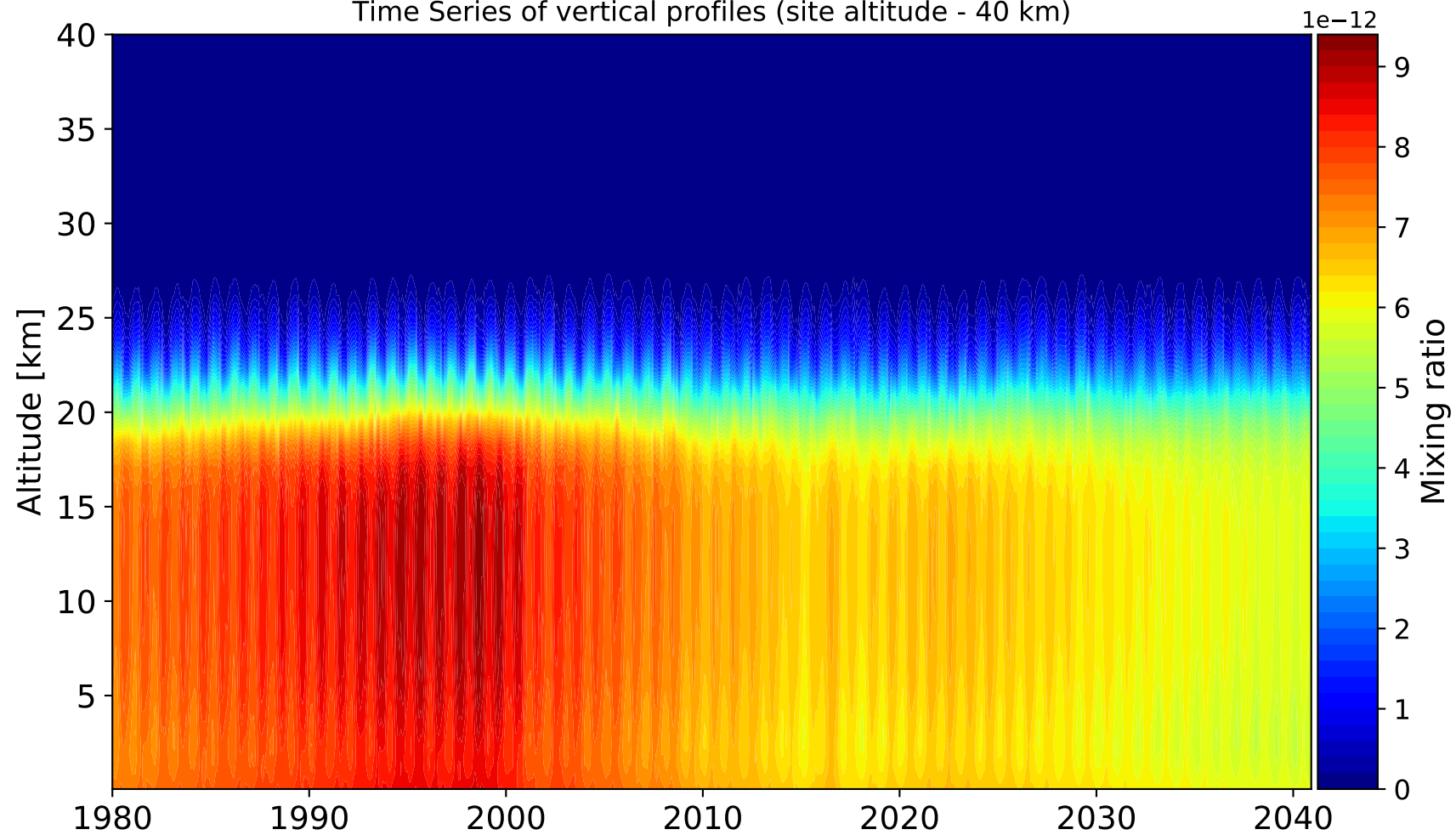


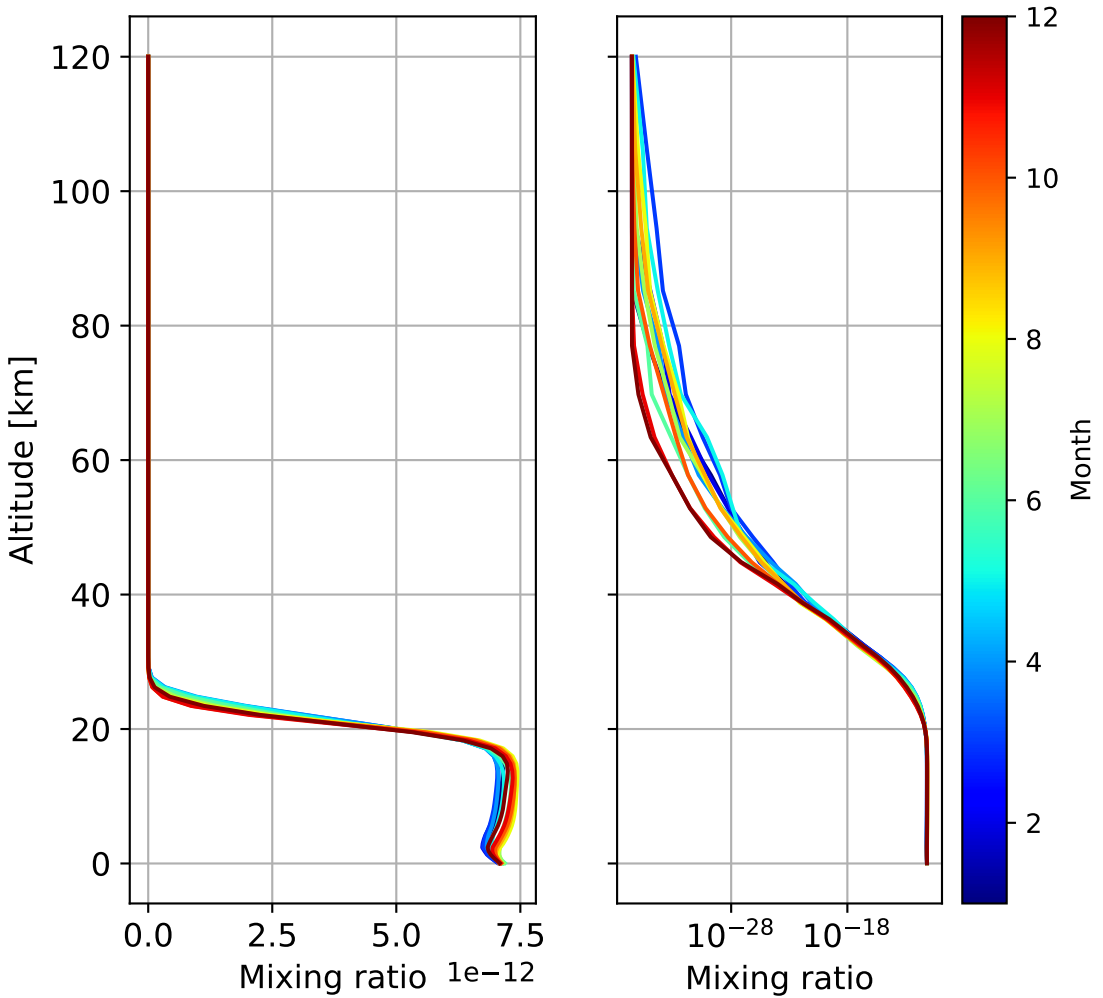
Time Series of vertical profiles (site altitude - 120 km)



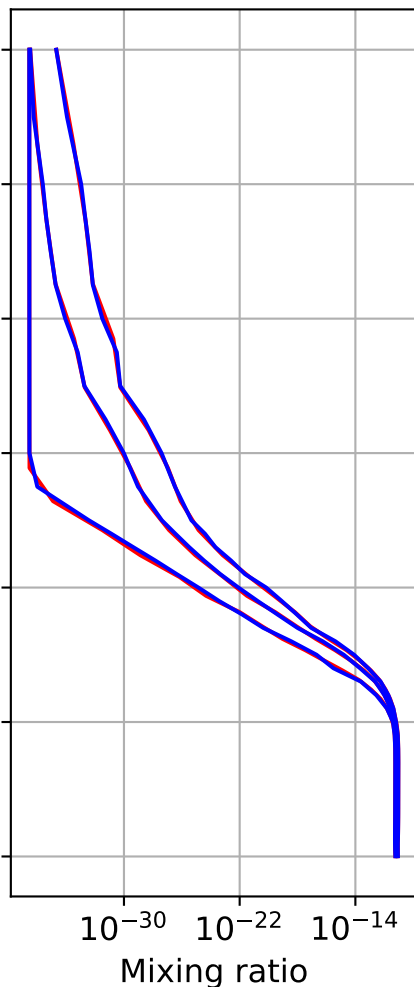
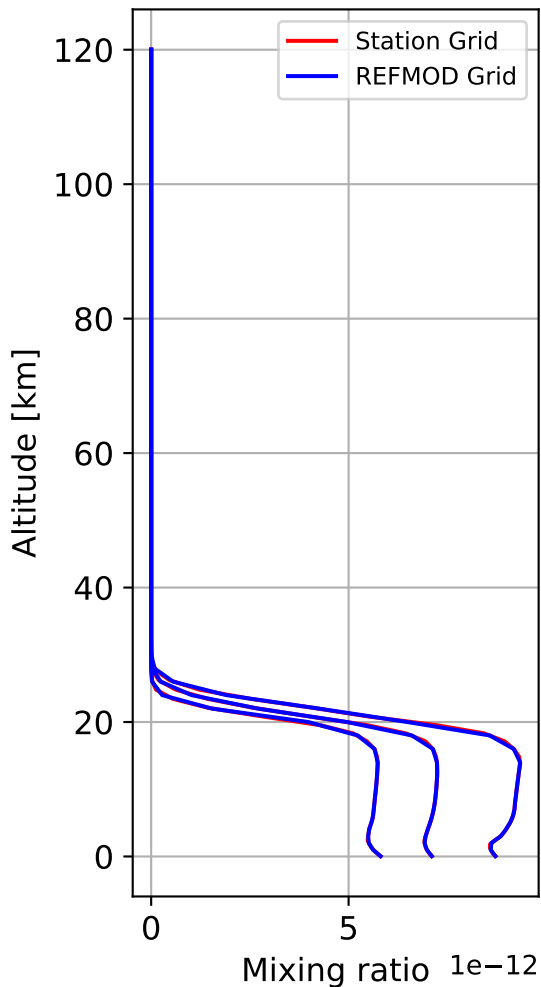
Time Series of vertical profiles (site altitude - 40 km)



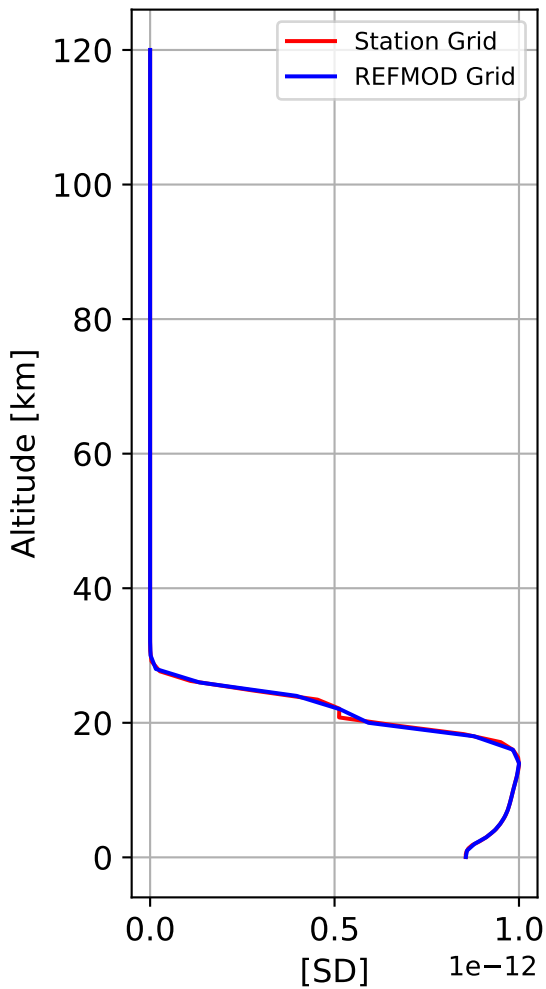
# Monthly mean WACCM profile (interpolated to station grid) Reunion\_St\_Denis, -20.9N, 55.483E, 0.05kmasl



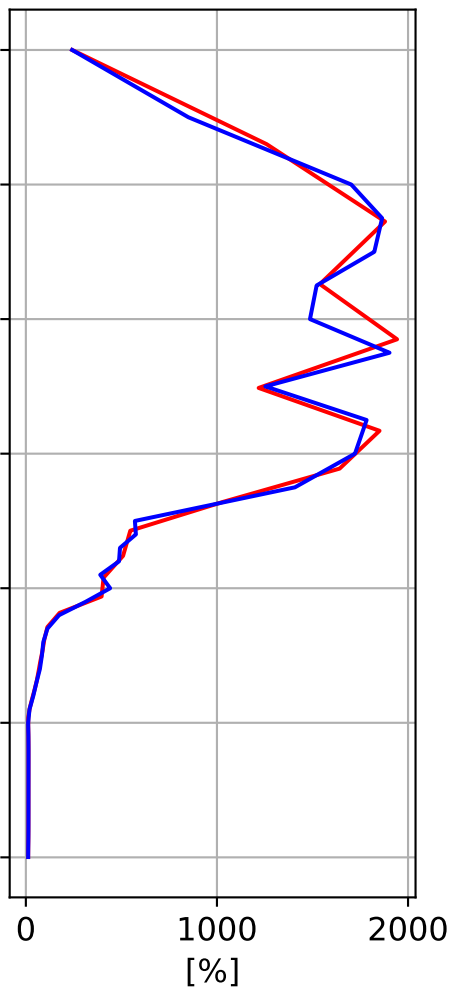
Min, Max, Mean of 732 profiles  
Reunion\_St\_Denis, -20.9N, 55.483E, 0.05kmasl



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]

9.6  
8.4  
7.2  
6.0  
4.8  
3.6  
2.4  
1.2  
0.0Mixing ratio[ $\sim 2$ ]