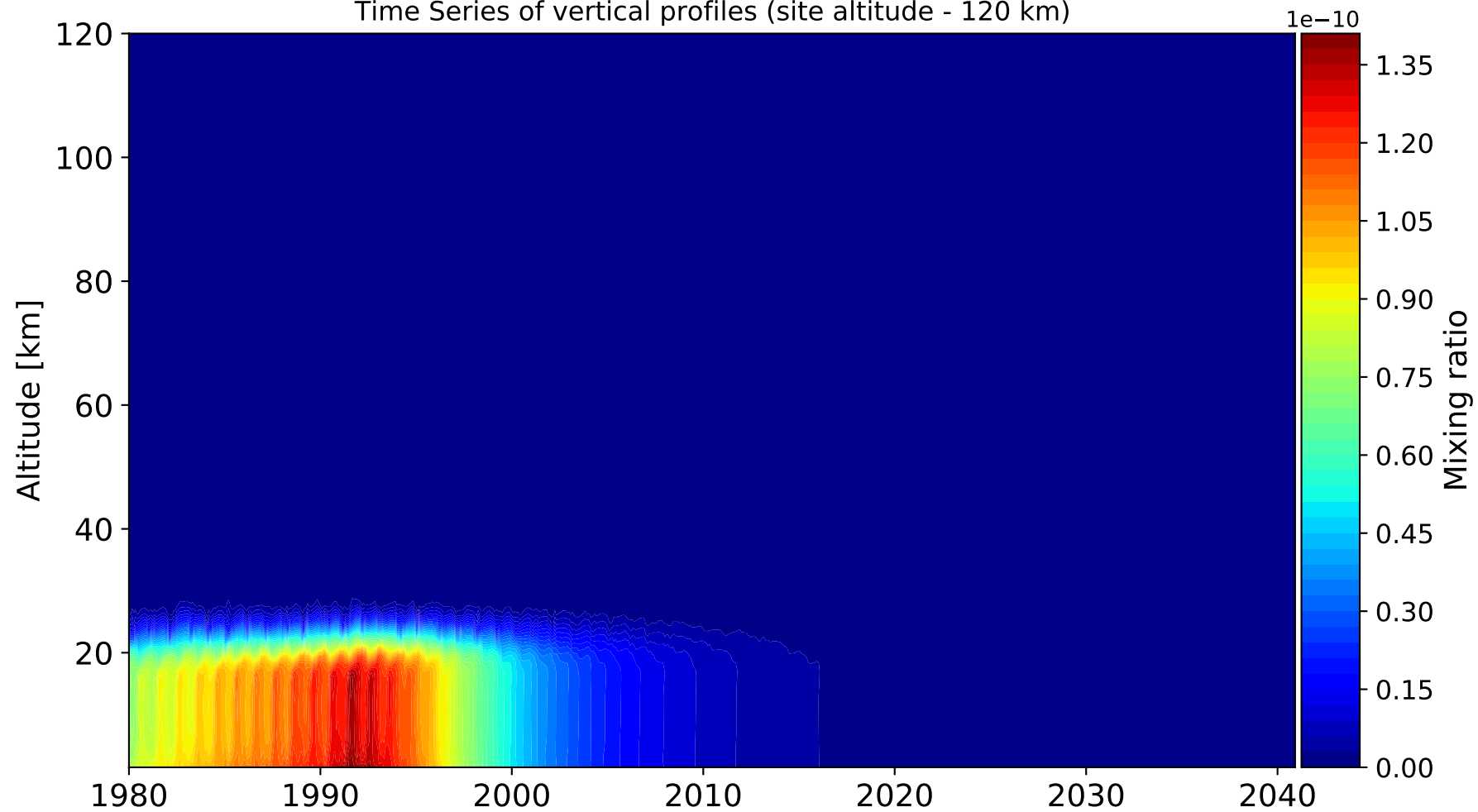
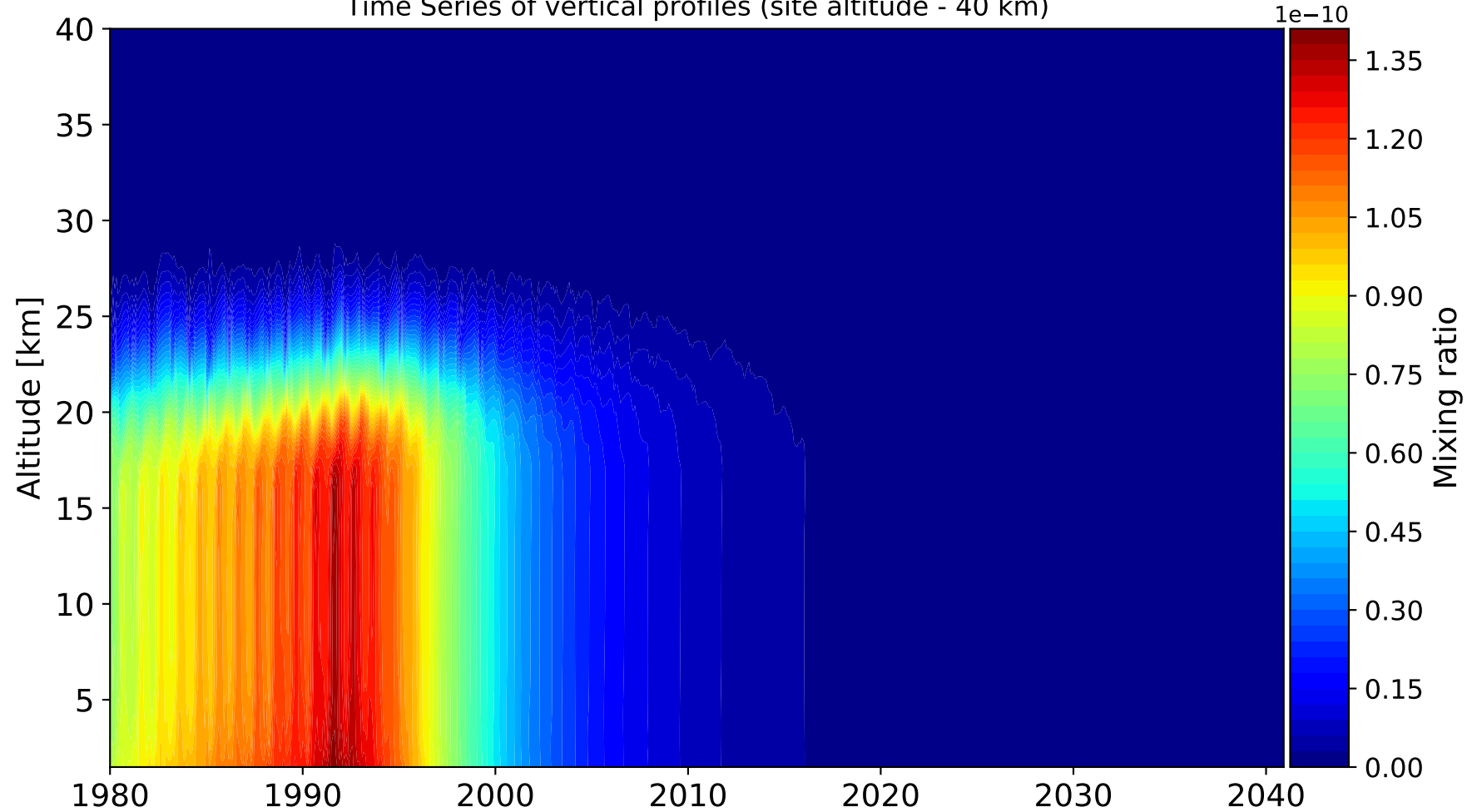


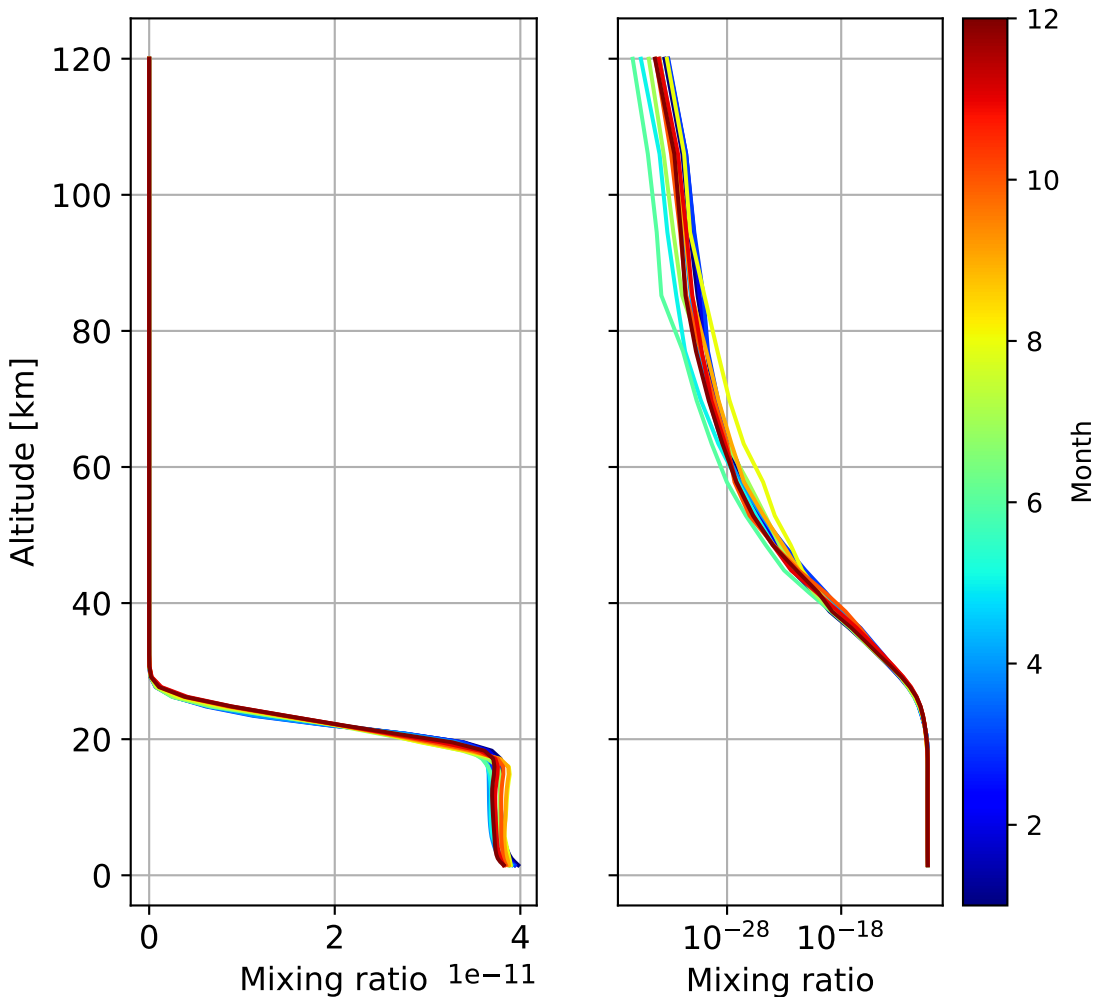
Time Series of vertical profiles (site altitude - 120 km)



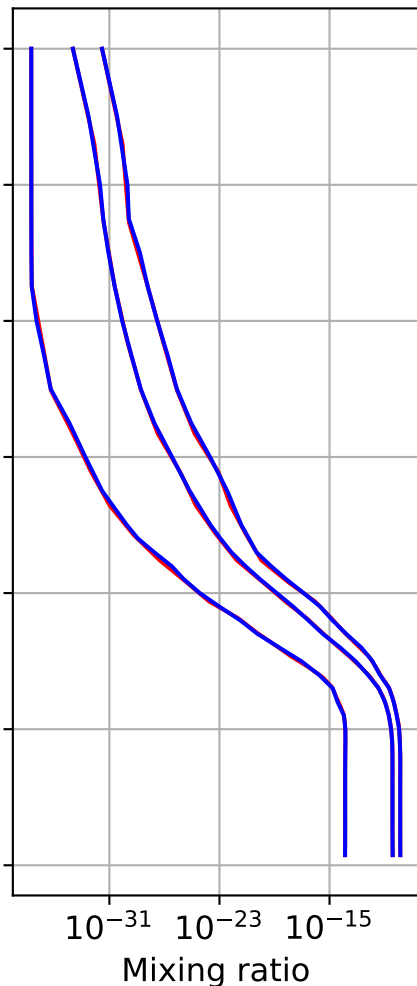
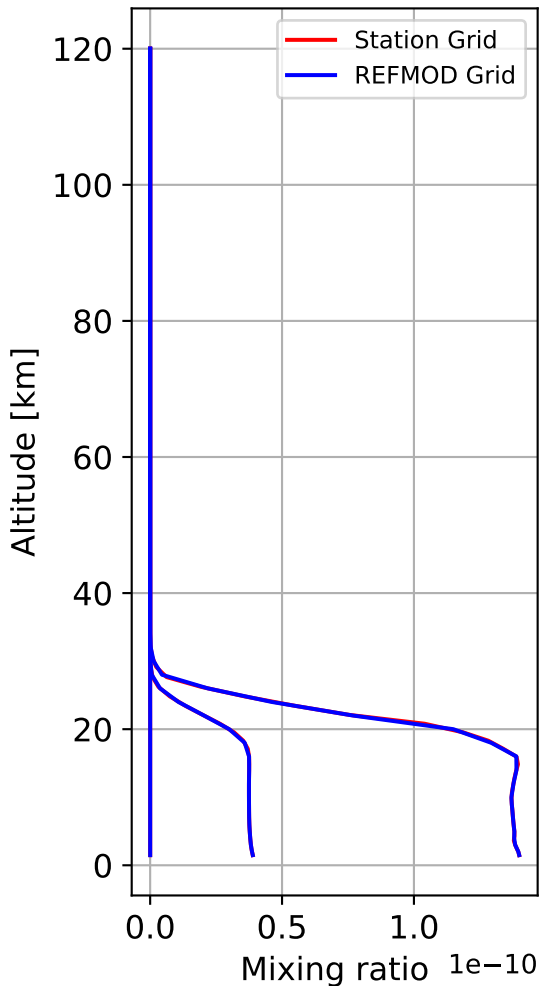
Time Series of vertical profiles (site altitude - 40 km)



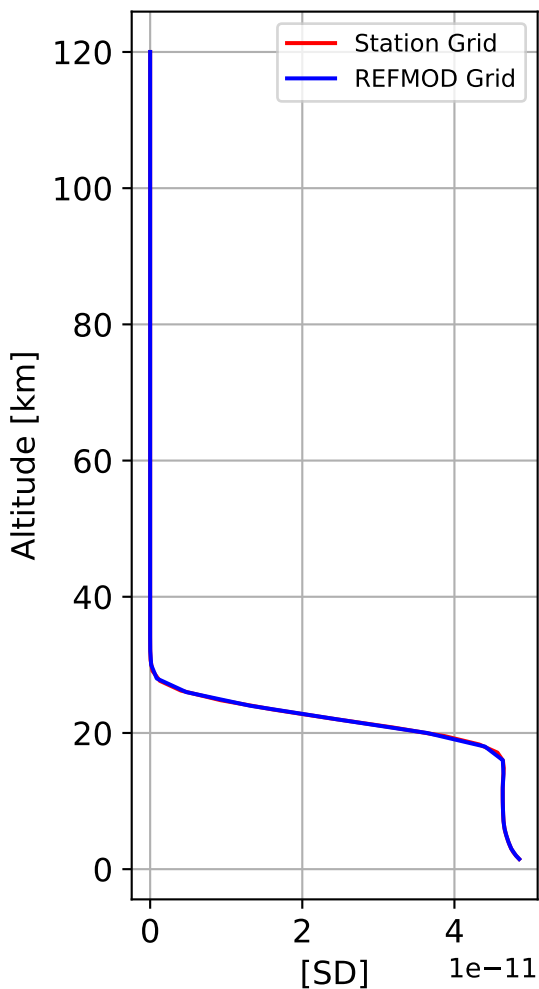
# Monthly mean WACCM profile (interpolated to station grid) Harare, 17.83N, 31.05E, 1.49kmasl



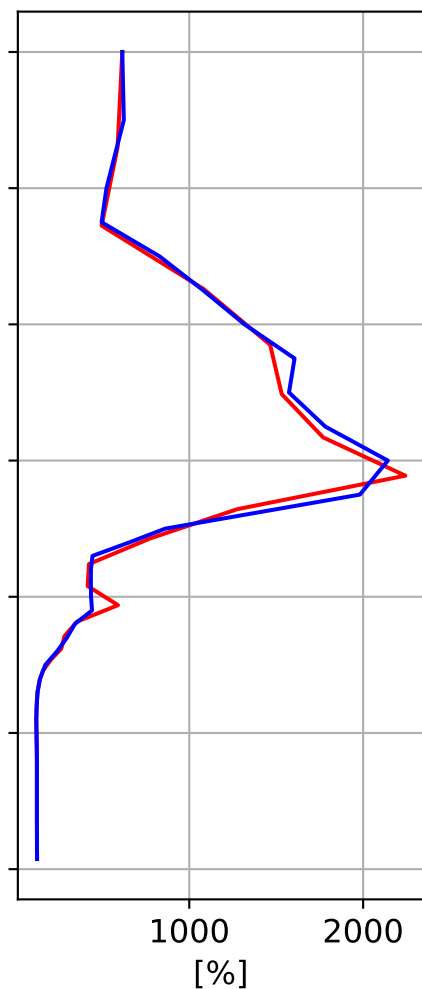
Min, Max, Mean of 732 profiles  
Harare, 17.83N, 31.05E, 1.49kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

$1e-21$

Altitude [km]

120  
100  
80  
60  
40  
20

20 40 60 80 100 120

Altitude [km]

2.25  
2.00  
1.75  
1.50  
1.25  
1.00  
0.75  
0.50  
0.25  
0.00

Mixing ratio[ $\sim 2$ ]

