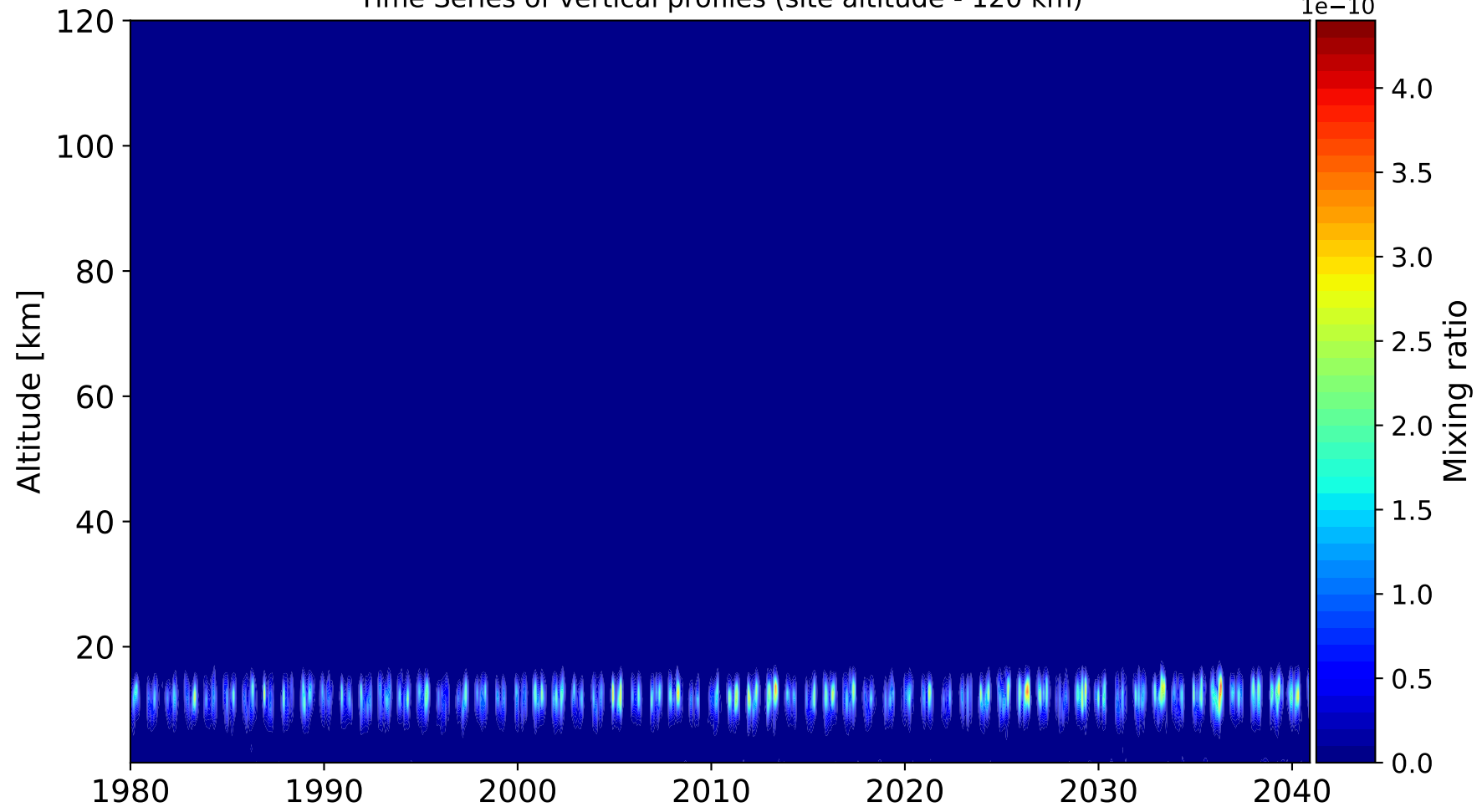
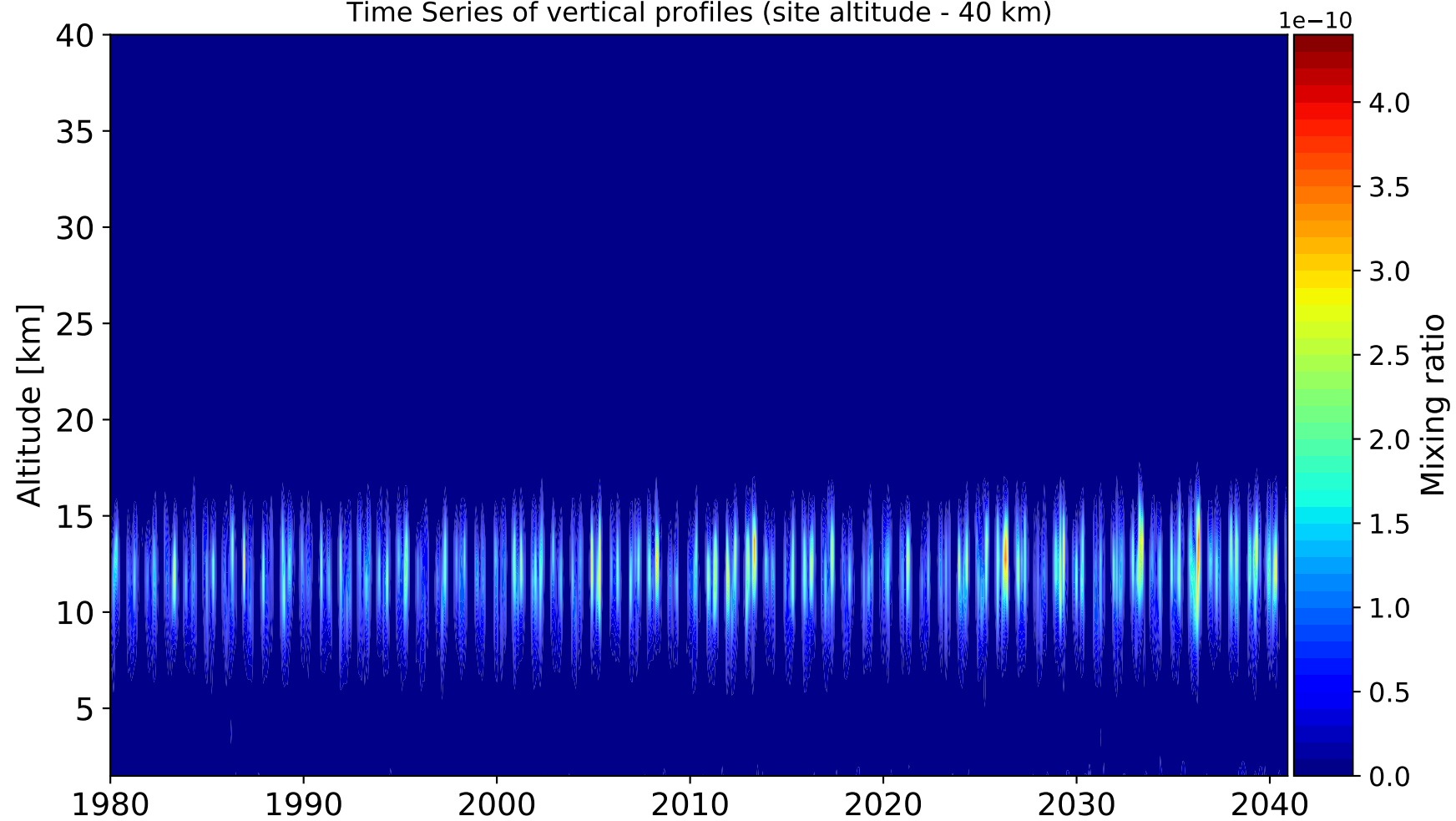


Time Series of vertical profiles (site altitude - 120 km)

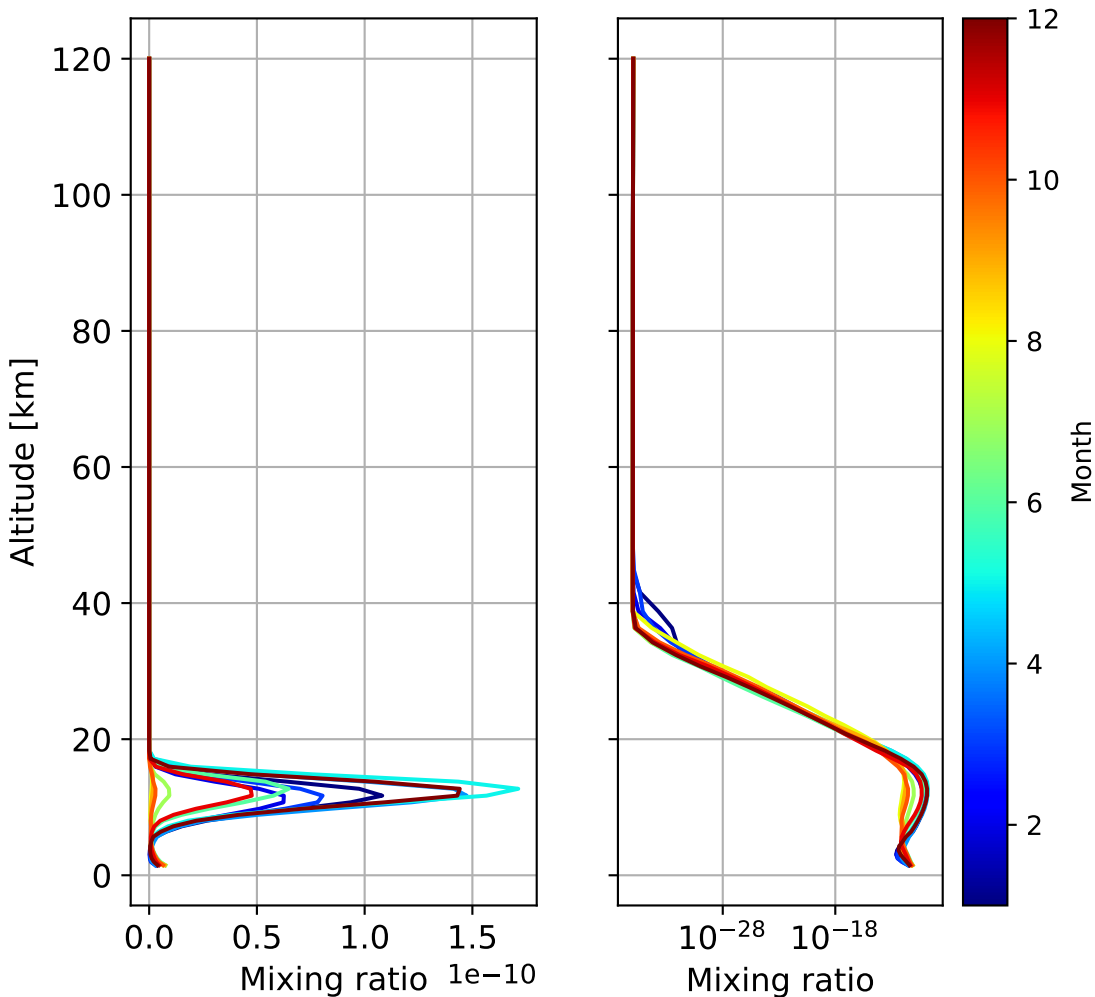
$1e-10$



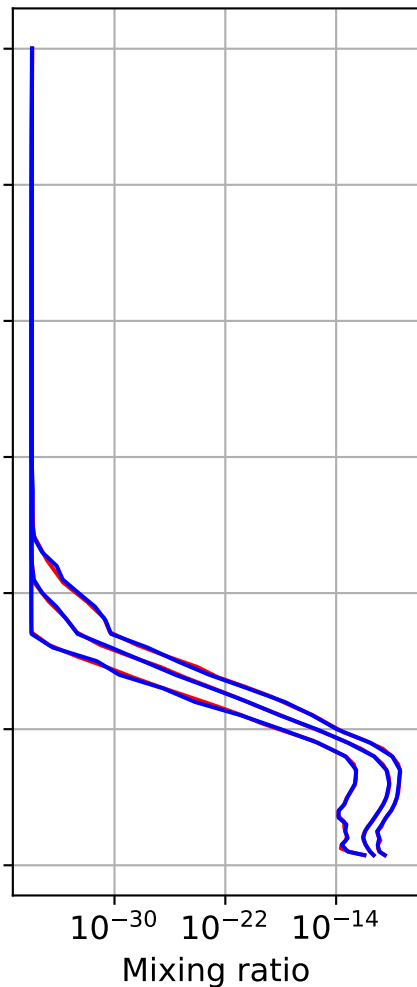
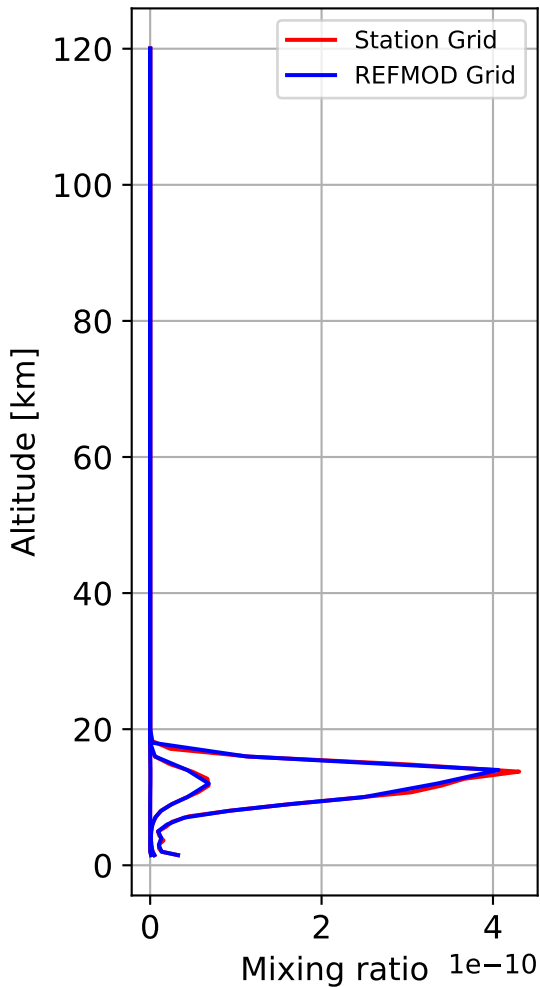
Time Series of vertical profiles (site altitude - 40 km)



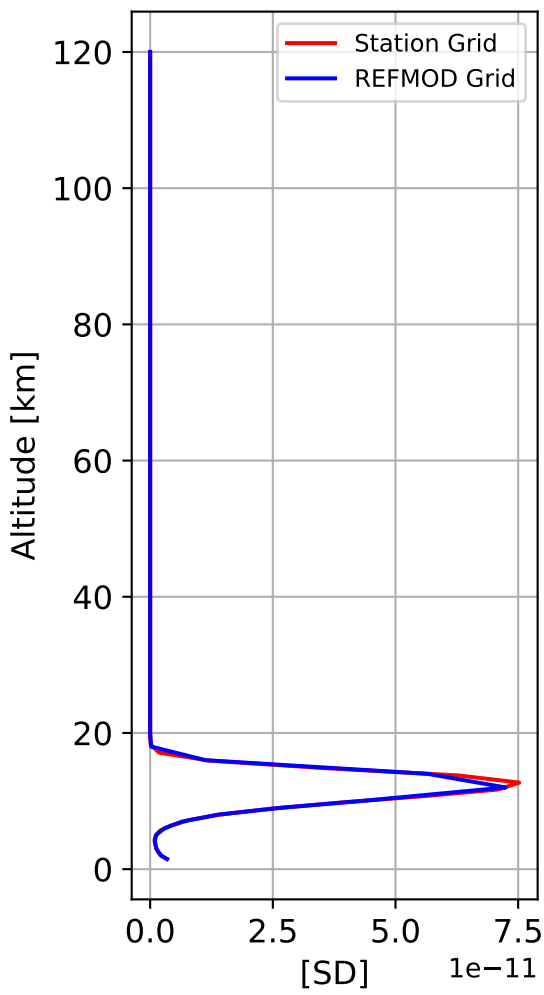
# Monthly mean WACCM profile (interpolated to station grid) Harare, 17.83N, 31.05E, 1.49kmasl



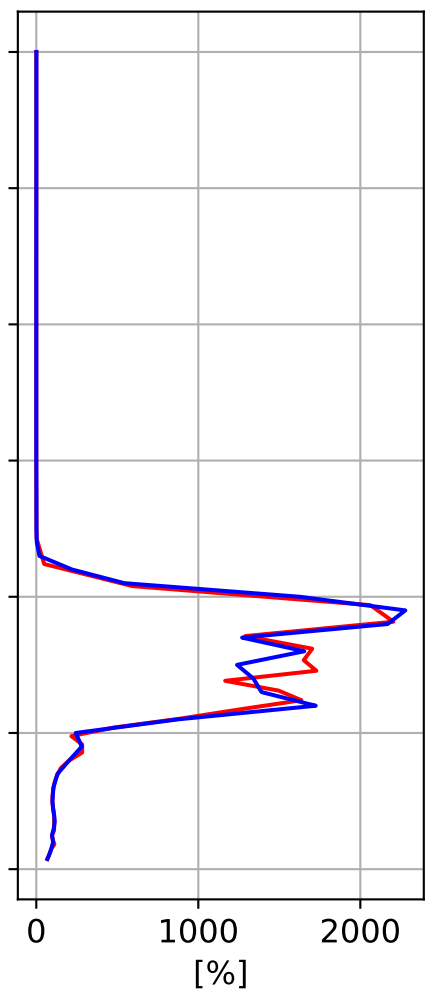
Min, Max, Mean of 732 profiles  
Harare, 17.83N, 31.05E, 1.49kmasl



### Std. Deviation



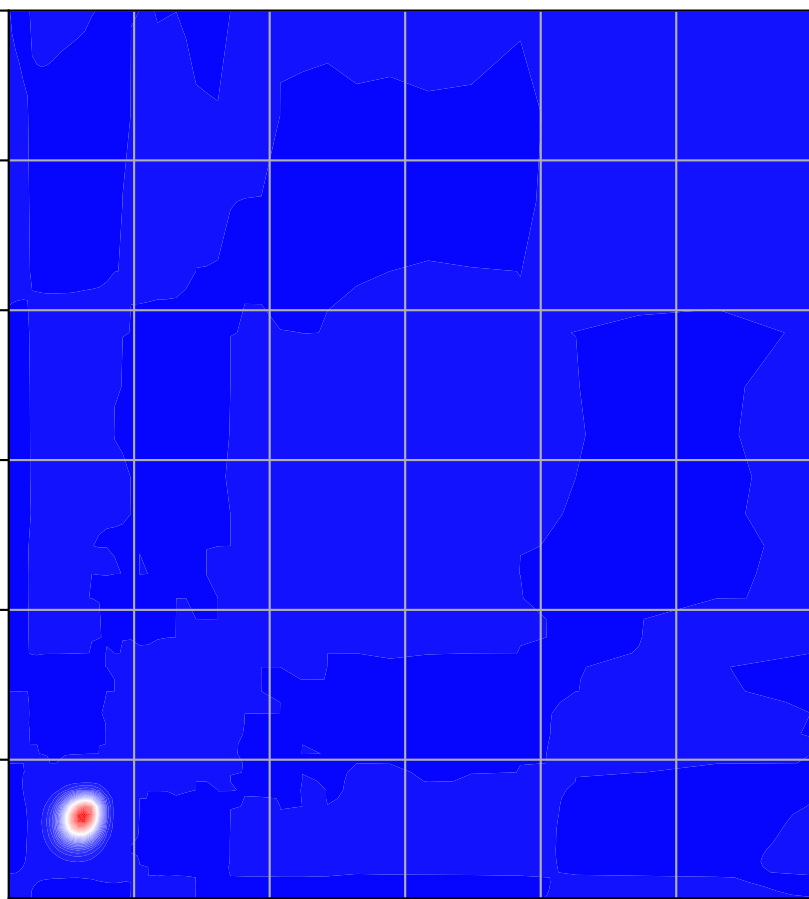
### Percent Deviation



Level covariance matrix

1e-21

Altitude [km]

120  
100  
80  
60  
40  
20Mixing ratio[<sup>2</sup>]5.4  
4.8  
4.2  
3.6  
3.0  
2.4  
1.8  
1.2  
0.6  
0.0

Altitude [km]