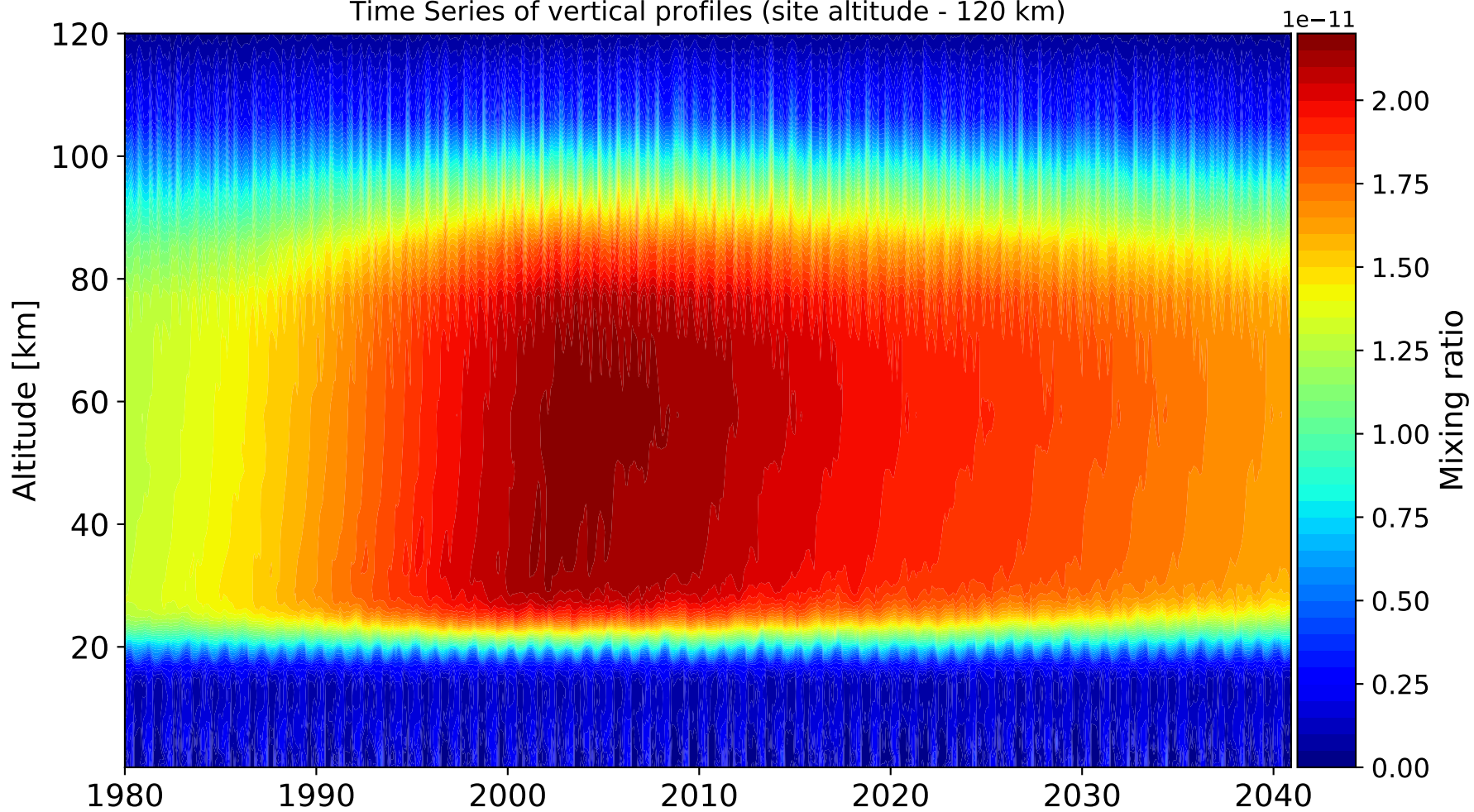
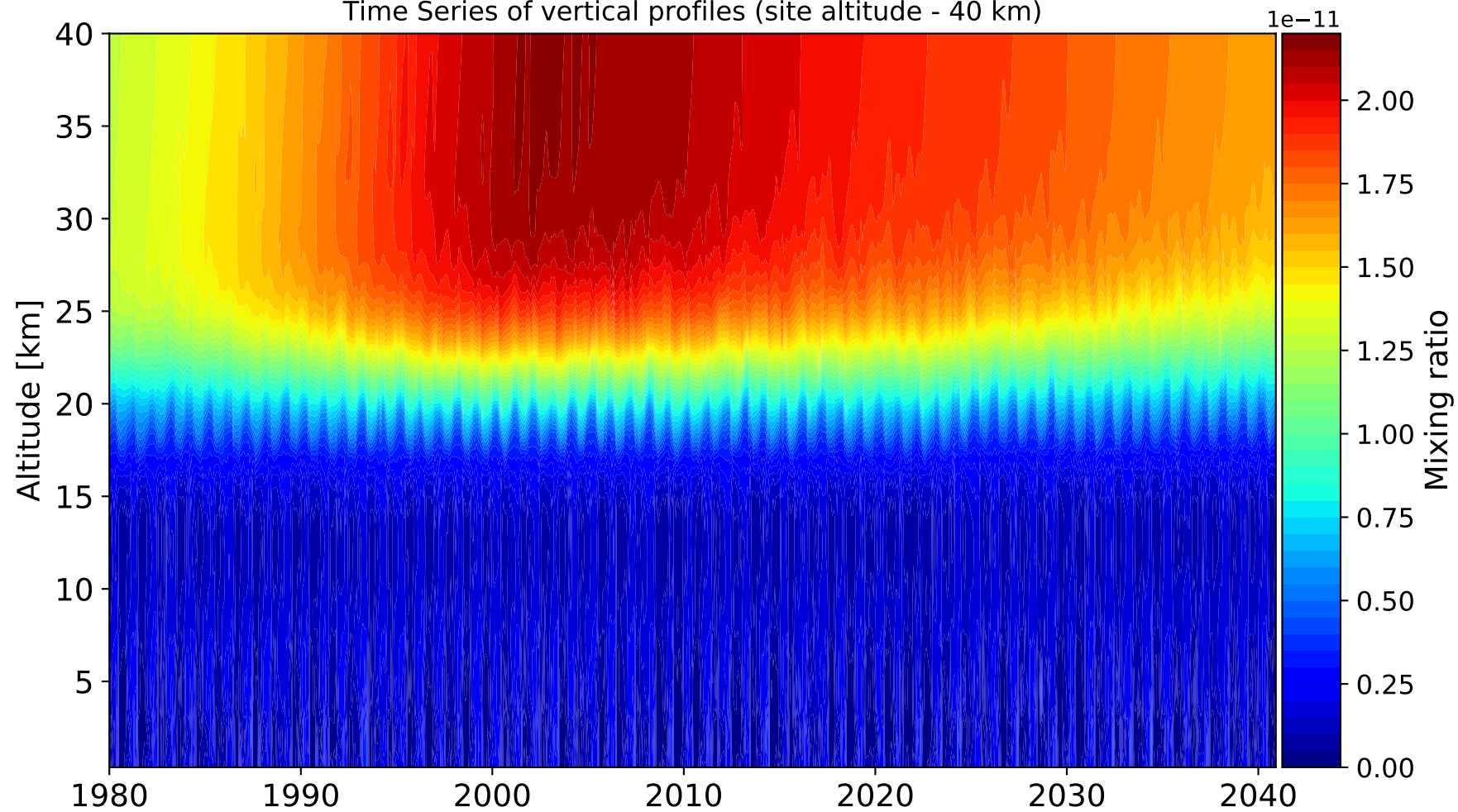


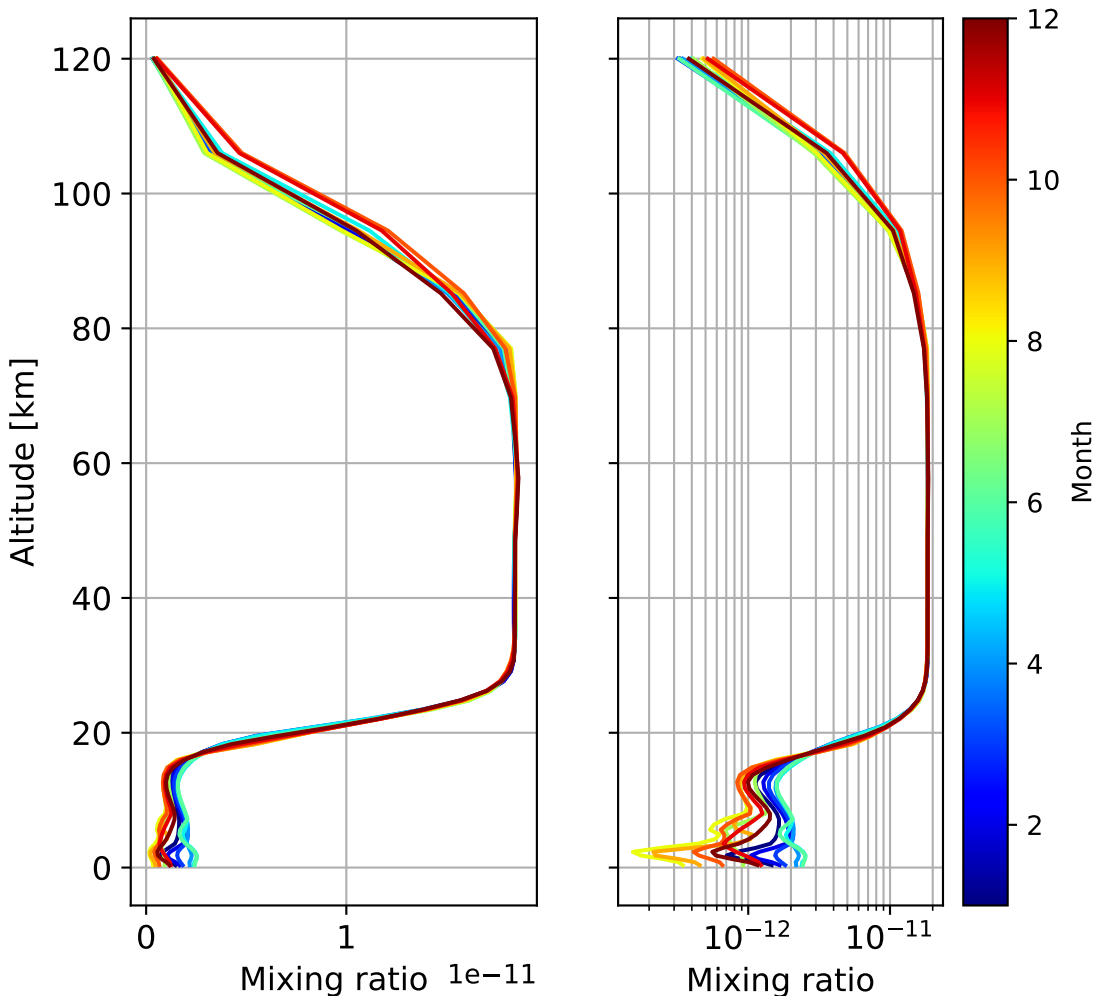
Time Series of vertical profiles (site altitude - 120 km)



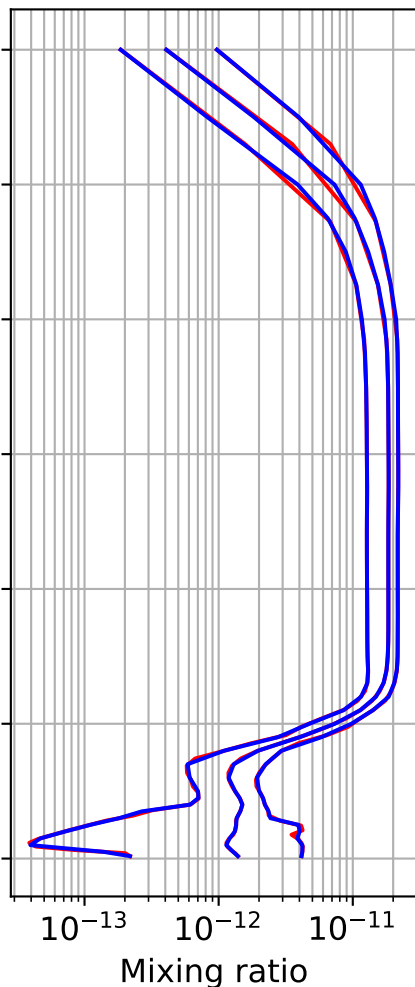
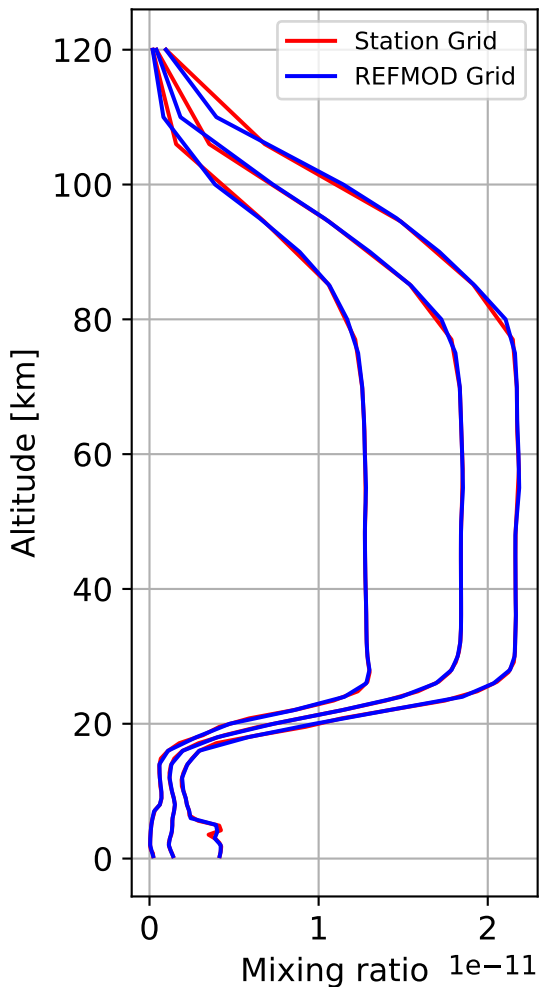
Time Series of vertical profiles (site altitude - 40 km)



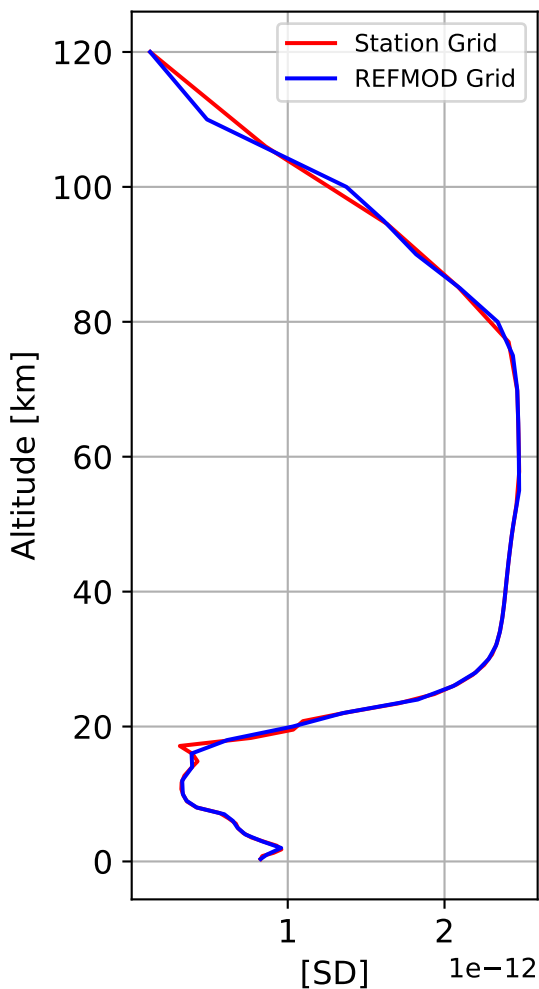
# Monthly mean WACCM profile (interpolated to station grid) Gadanki, 13.45N, 79.18E, 0.36kmasl



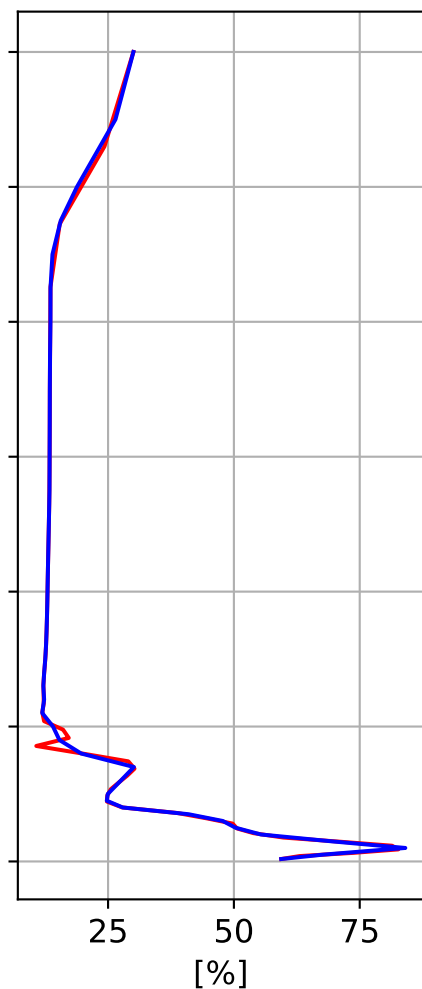
Min, Max, Mean of 732 profiles  
Gadanki, 13.45N, 79.18E, 0.36kmasl



### Std. Deviation



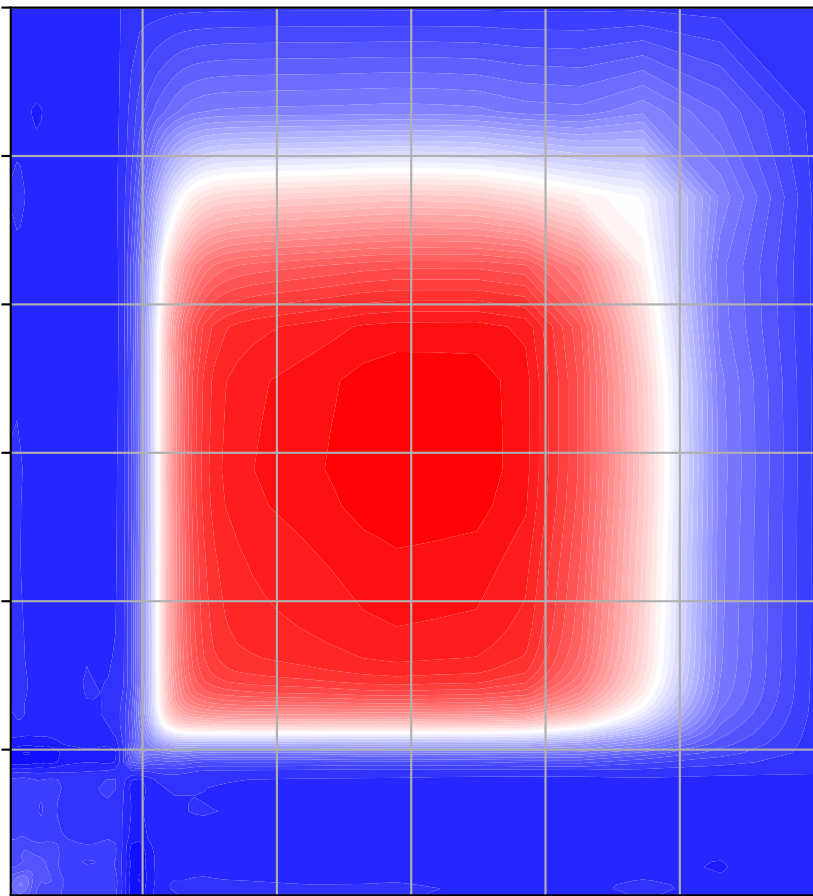
### Percent Deviation



Level covariance matrix

 $1e-24$ 

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

Mixing ratio[ $\sim^2$ ]  
6.00  
5.25  
4.50  
3.75  
3.00  
2.25  
1.50  
0.75  
0.00