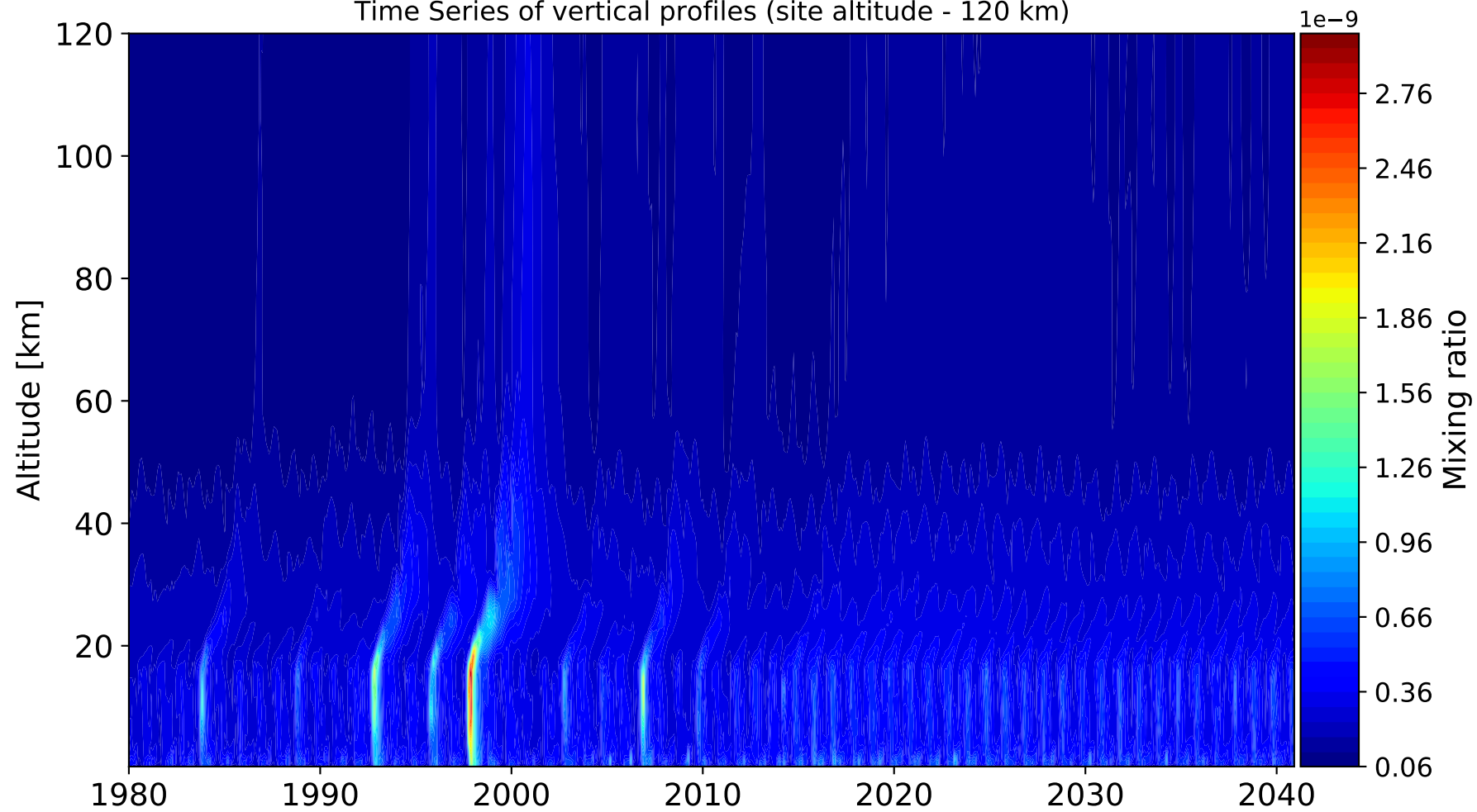
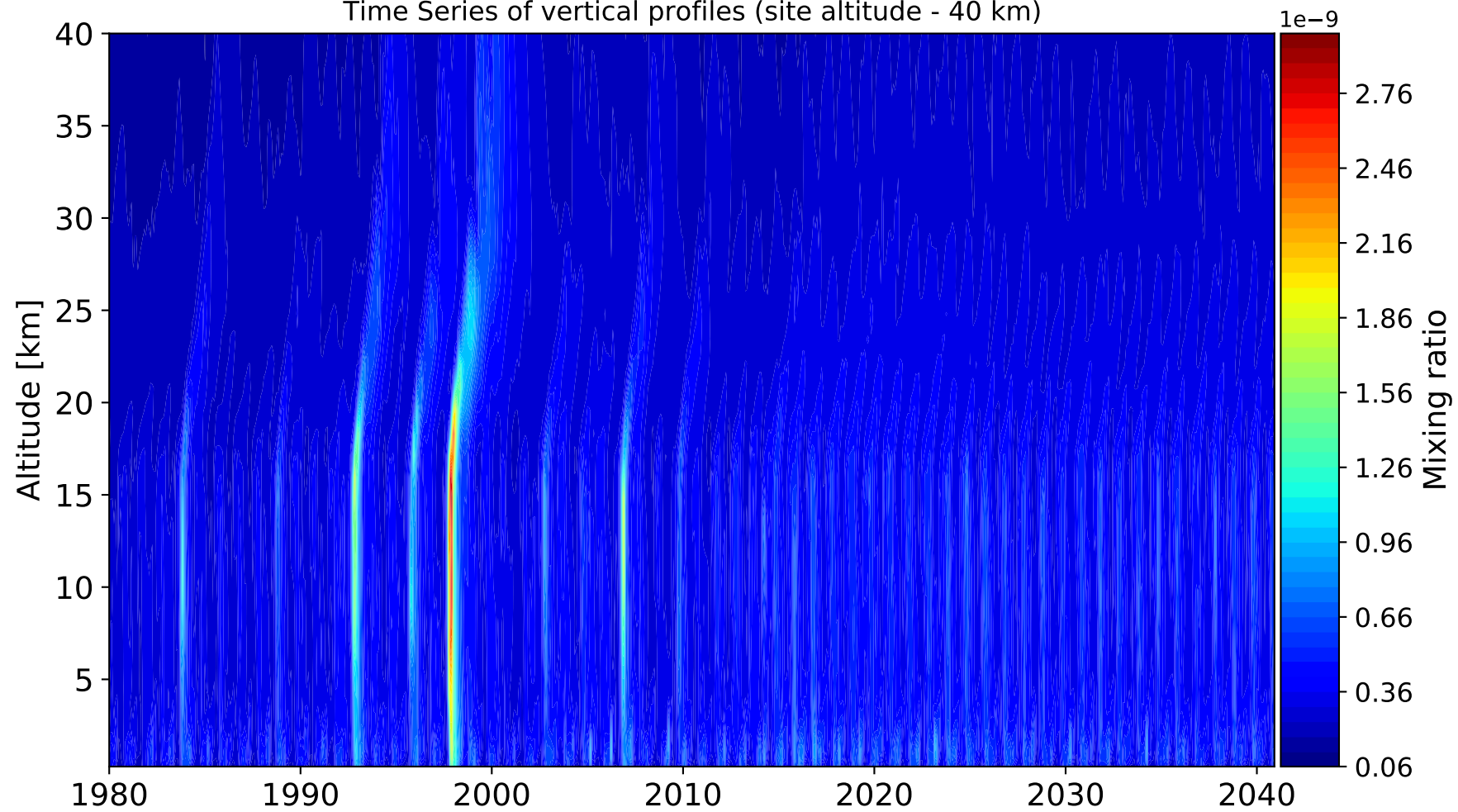


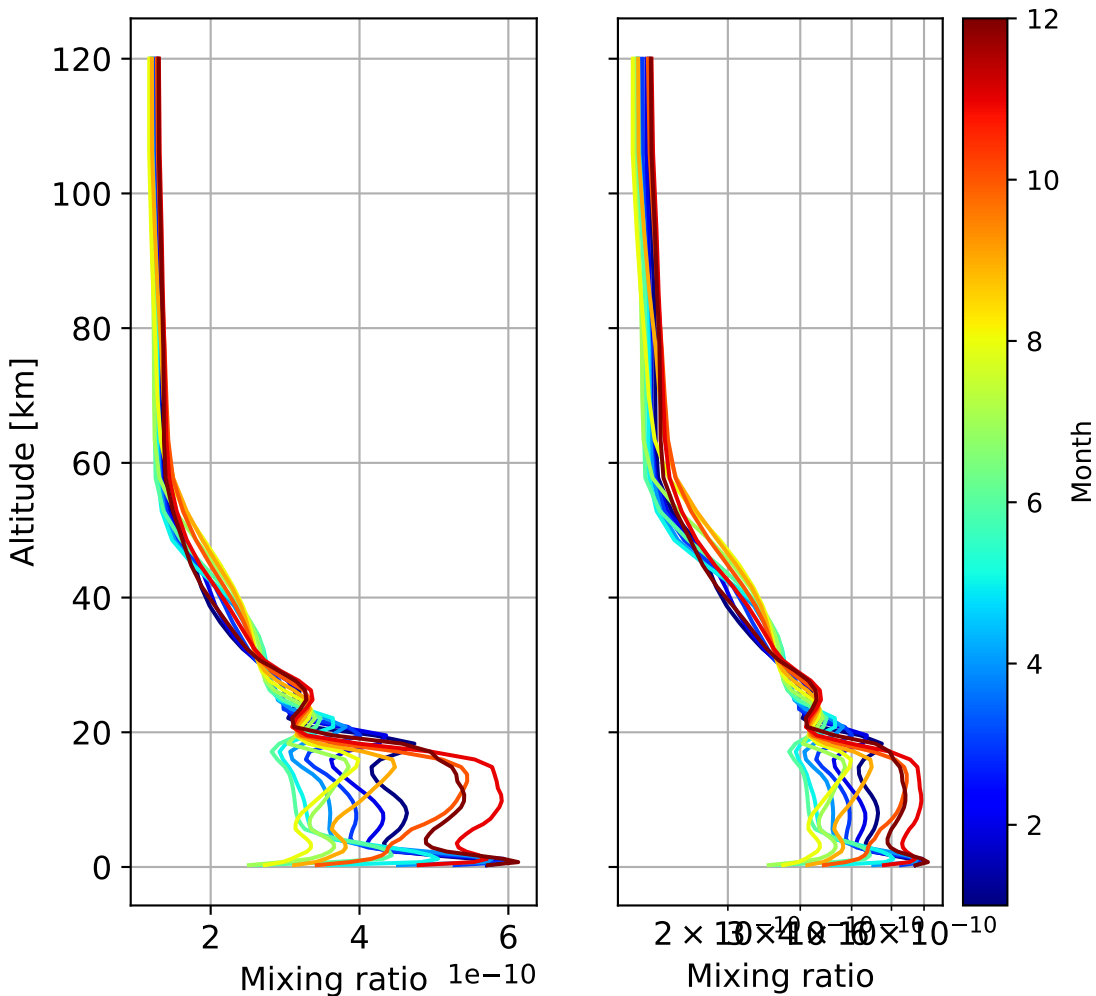
Time Series of vertical profiles (site altitude - 120 km)



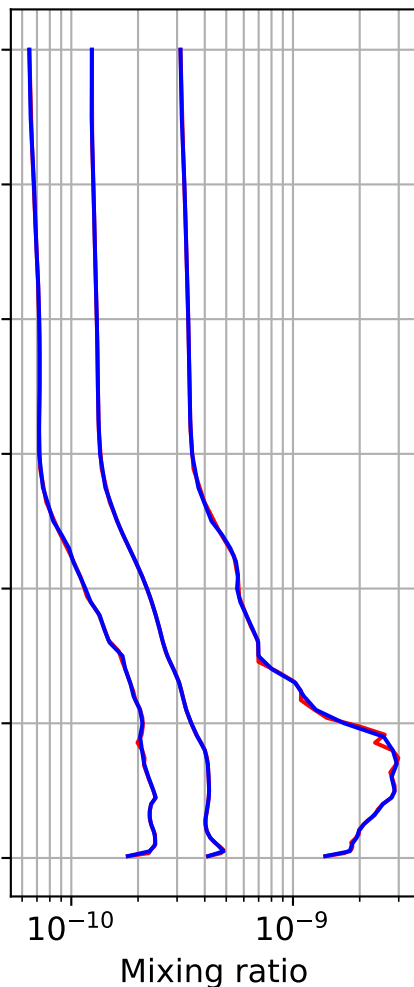
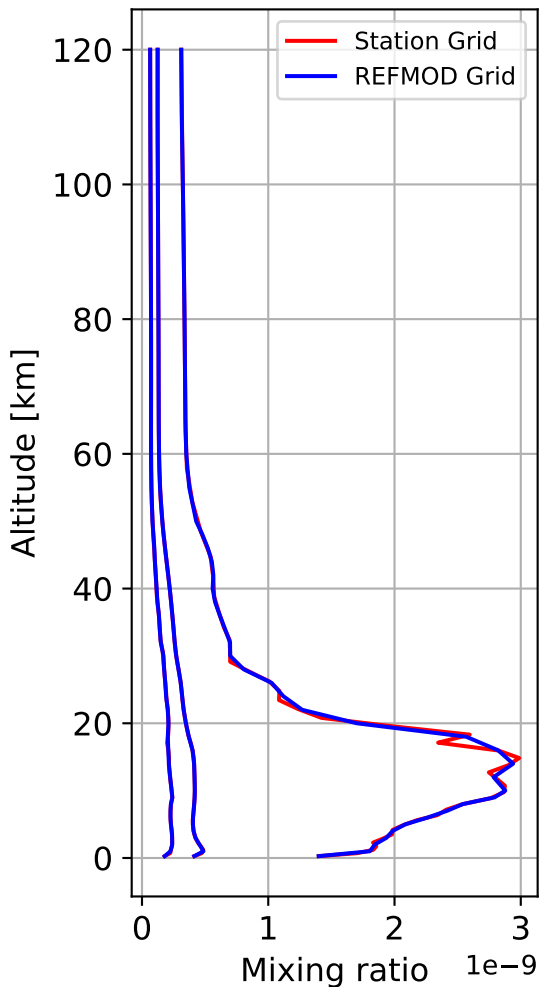
Time Series of vertical profiles (site altitude - 40 km)



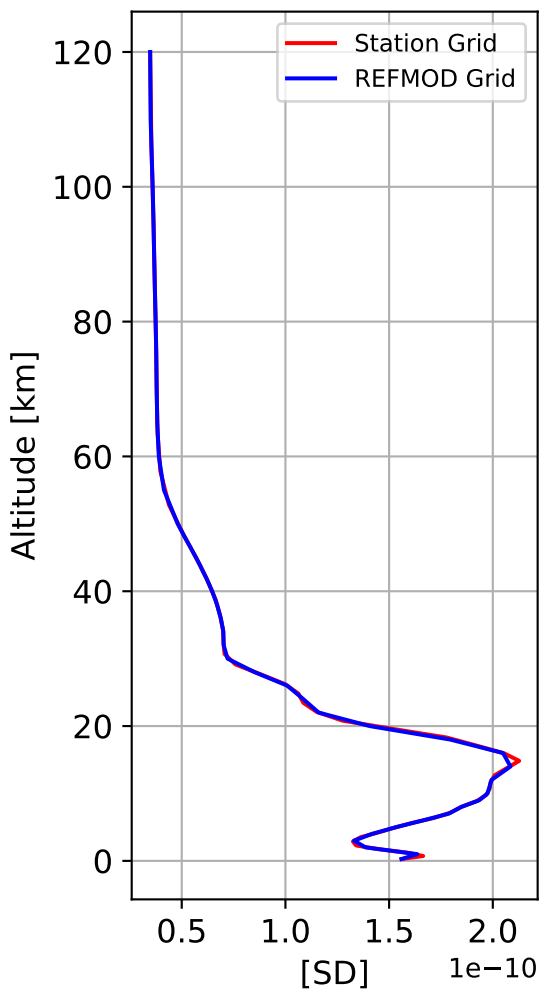
Monthly mean WACCM profile (interpolated to station grid)  
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



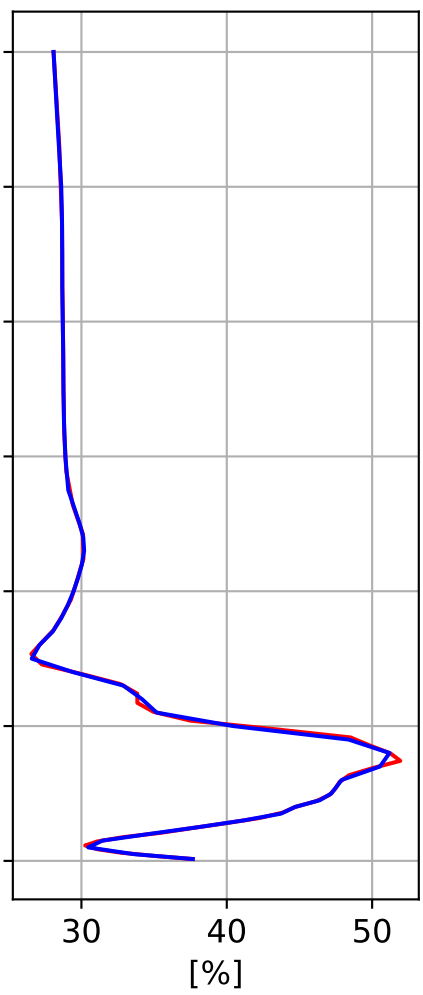
Min, Max, Mean of 732 profiles  
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120  
100  
80  
60  
40  
20Mixing ratio[ $\wedge^2$ ]4.5  
4.0  
3.5  
3.0  
2.5  
2.0  
1.5  
1.0  
0.5  
0.0

20 40 60 80 100 120

Altitude [km]

