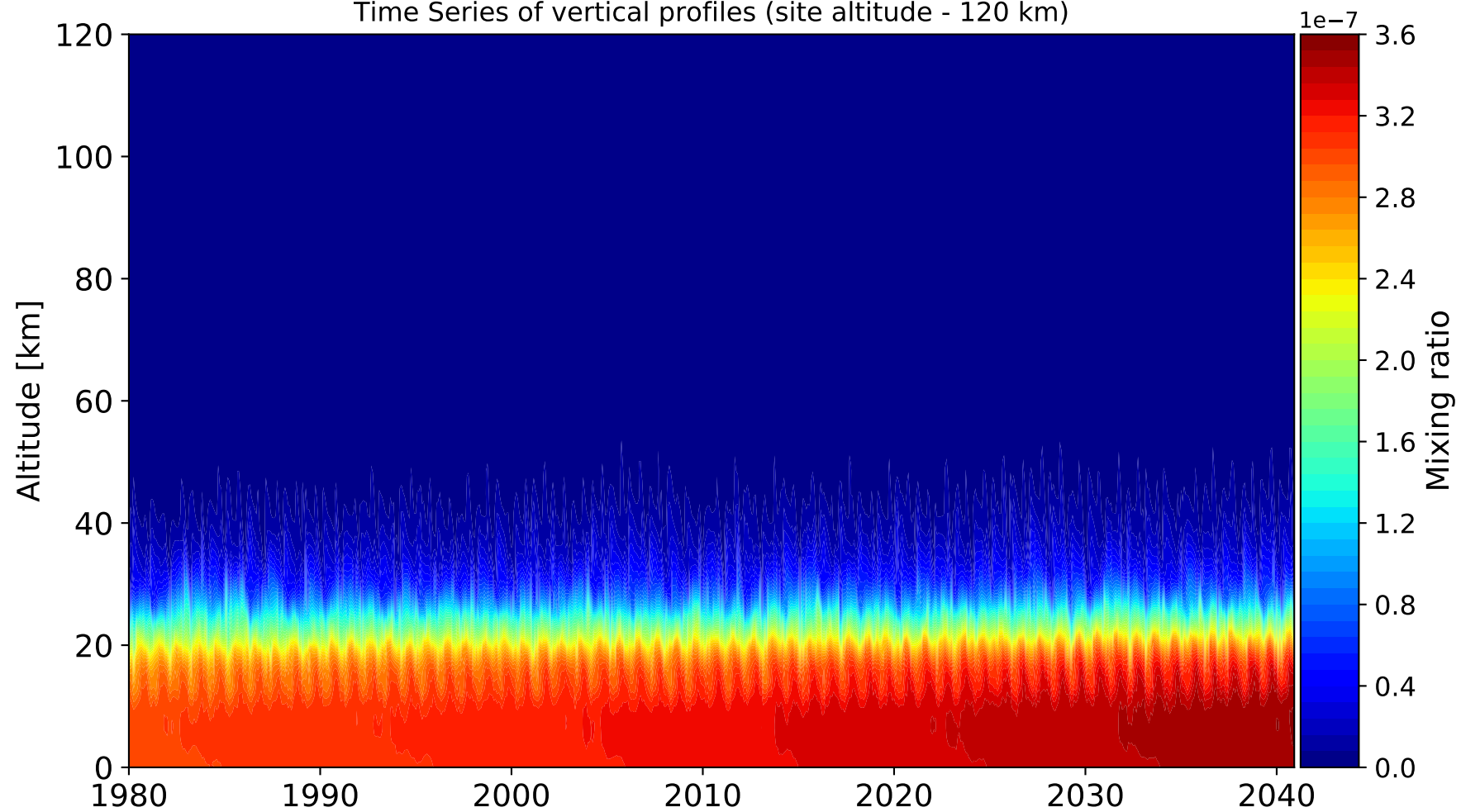
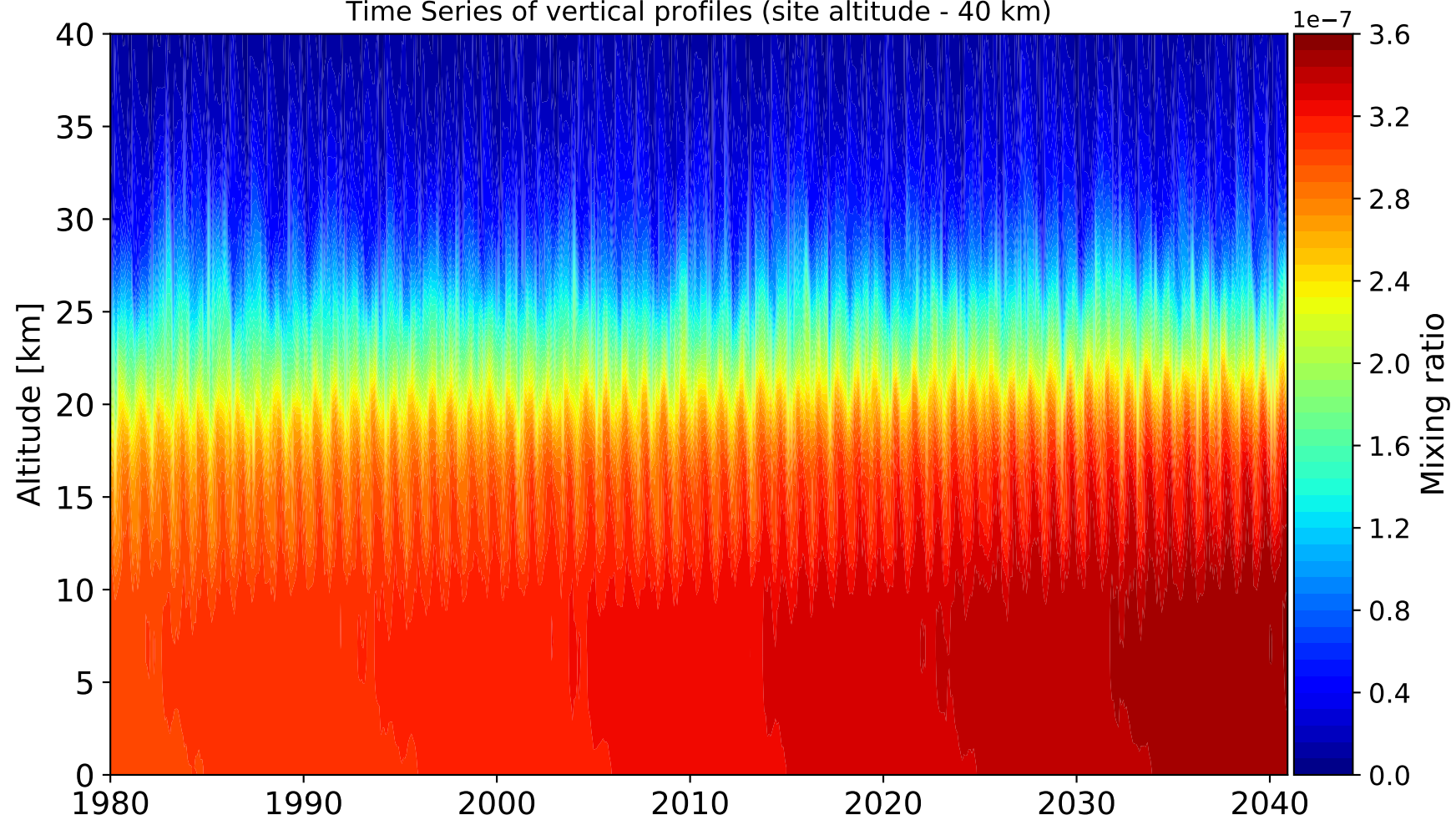


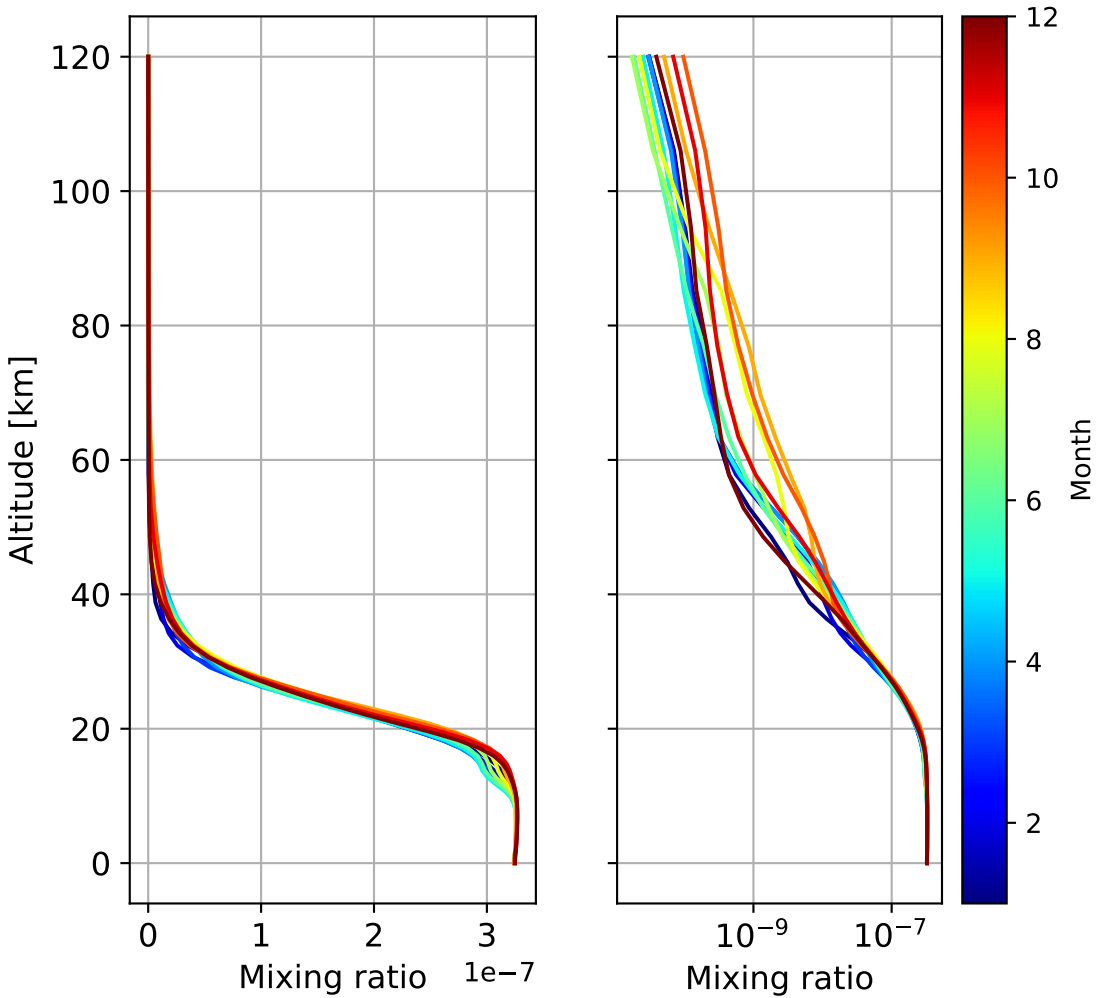
Time Series of vertical profiles (site altitude - 120 km)



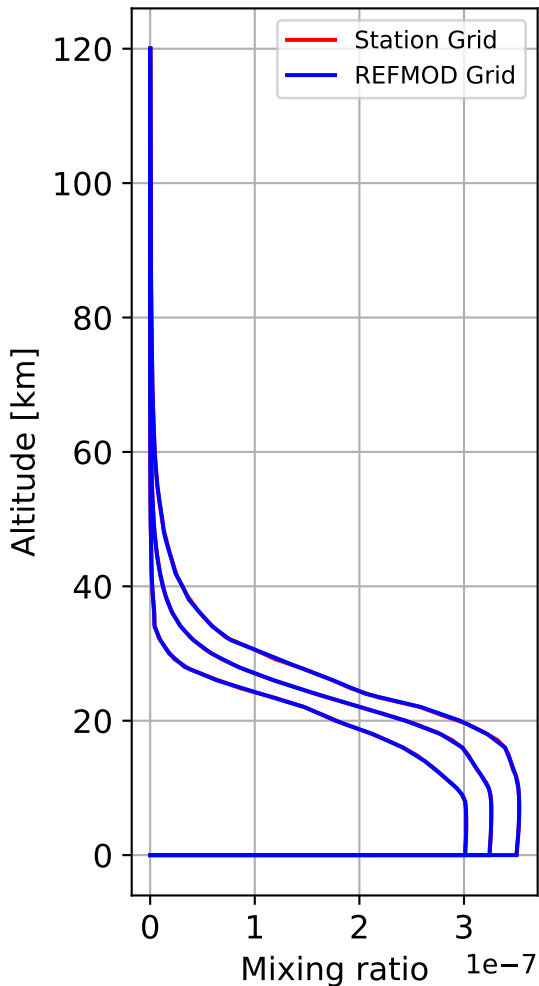
Time Series of vertical profiles (site altitude - 40 km)



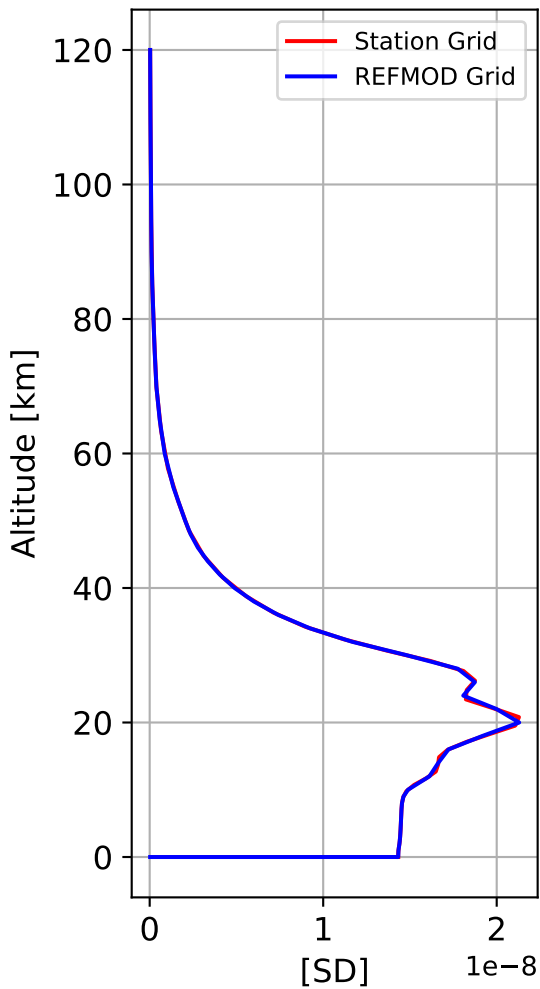
# Monthly mean WACCM profile (interpolated to station grid) Cabauw, 51.97N, 4.93E, -0.0017kmasl



Min, Max, Mean of 732 profiles  
Cabauw, 51.97N, 4.93E, -0.0017kmasl



### Std. Deviation



### Percent Deviation

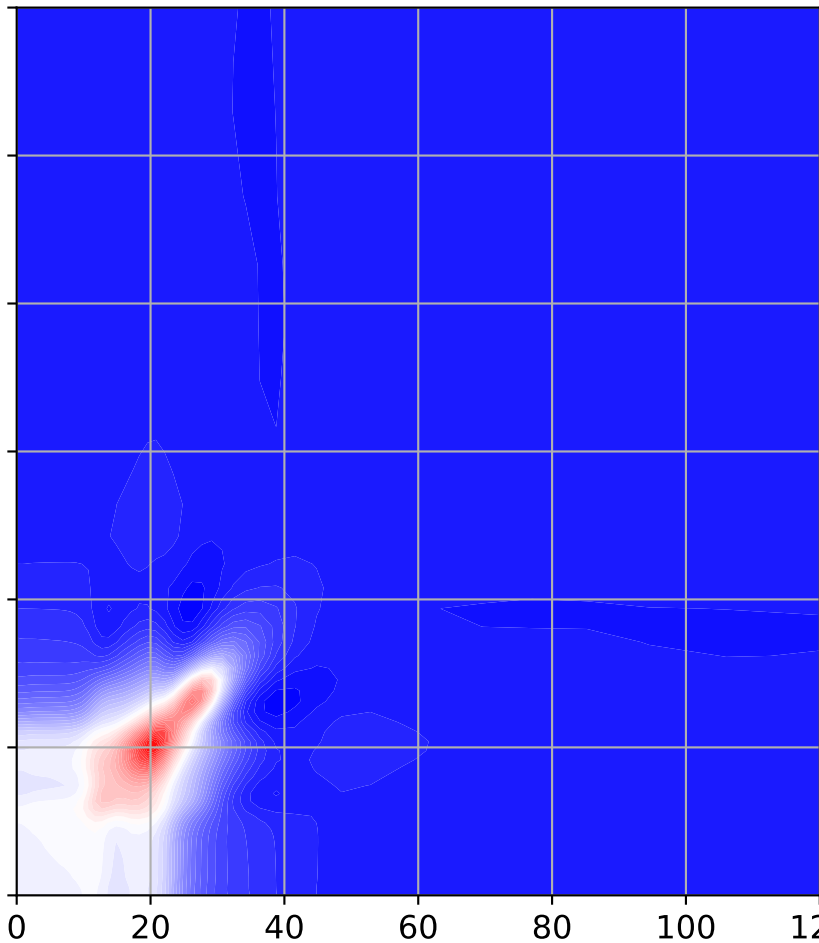


# Level covariance matrix

1e-16

Altitude [km]

120  
100  
80  
60  
40  
20  
0



Altitude [km]

Mixing ratio[<sup>2</sup>]

4.5  
4.0  
3.5  
3.0  
2.5  
2.0  
1.5  
1.0  
0.5  
0.0