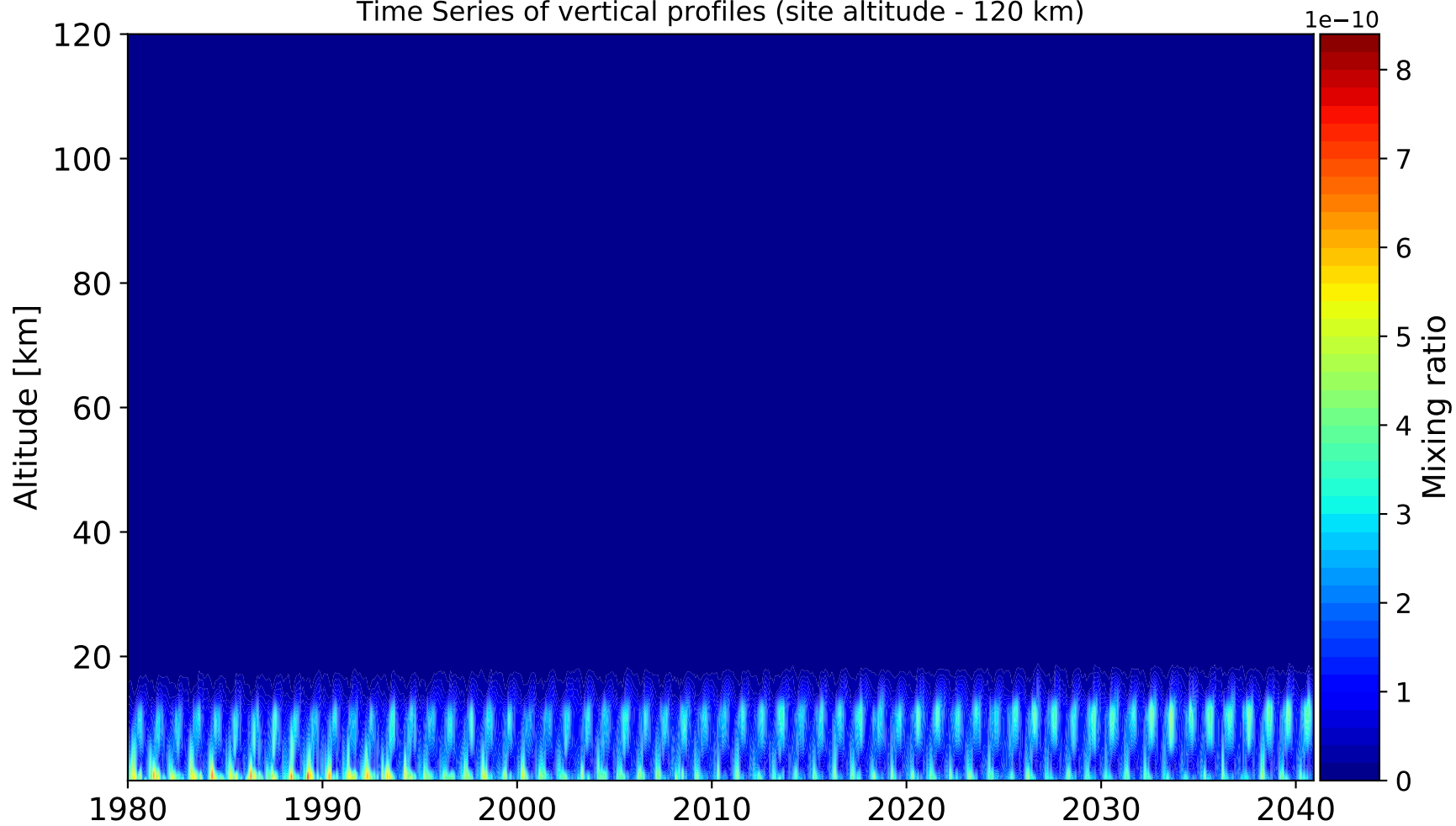
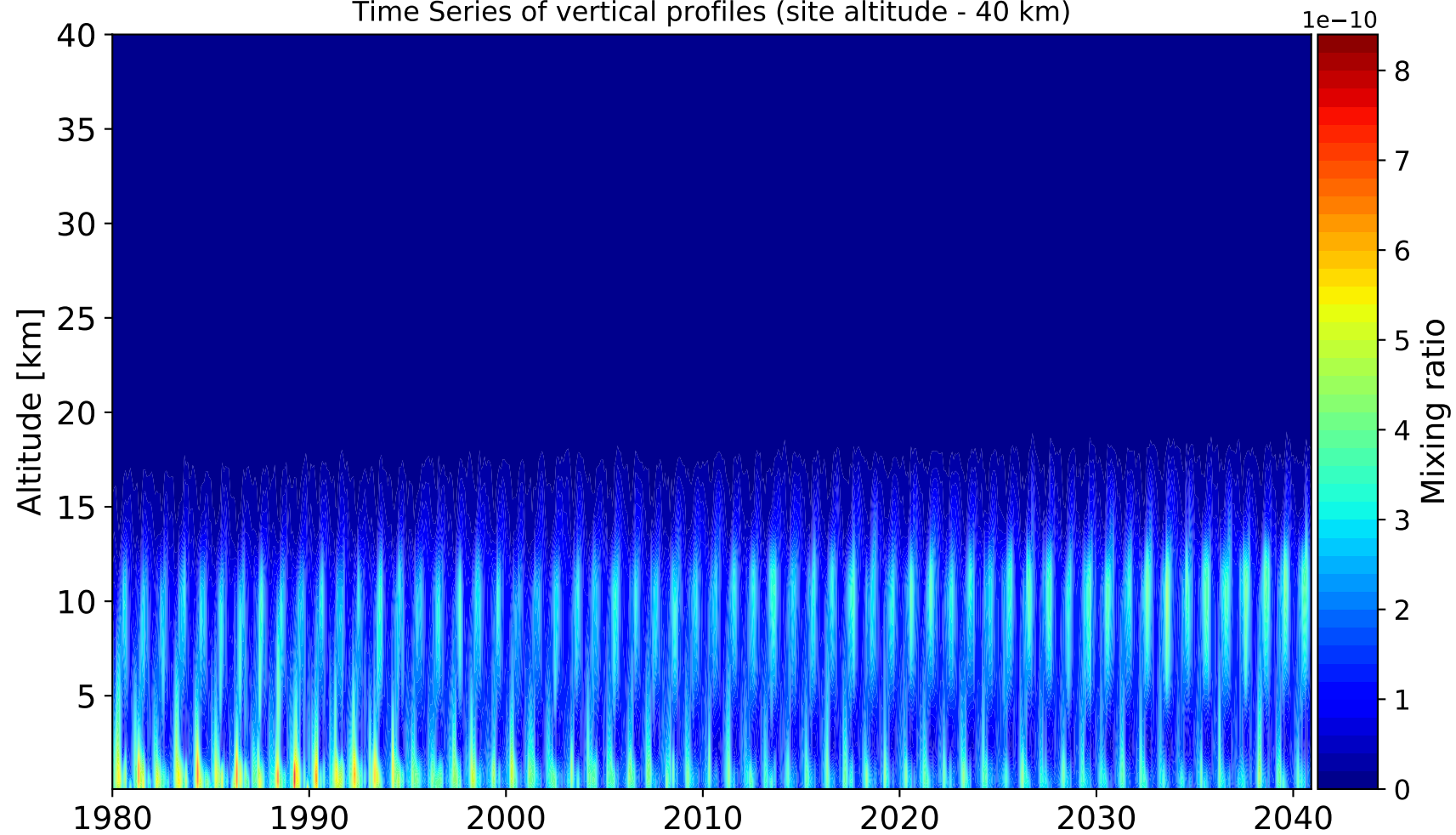


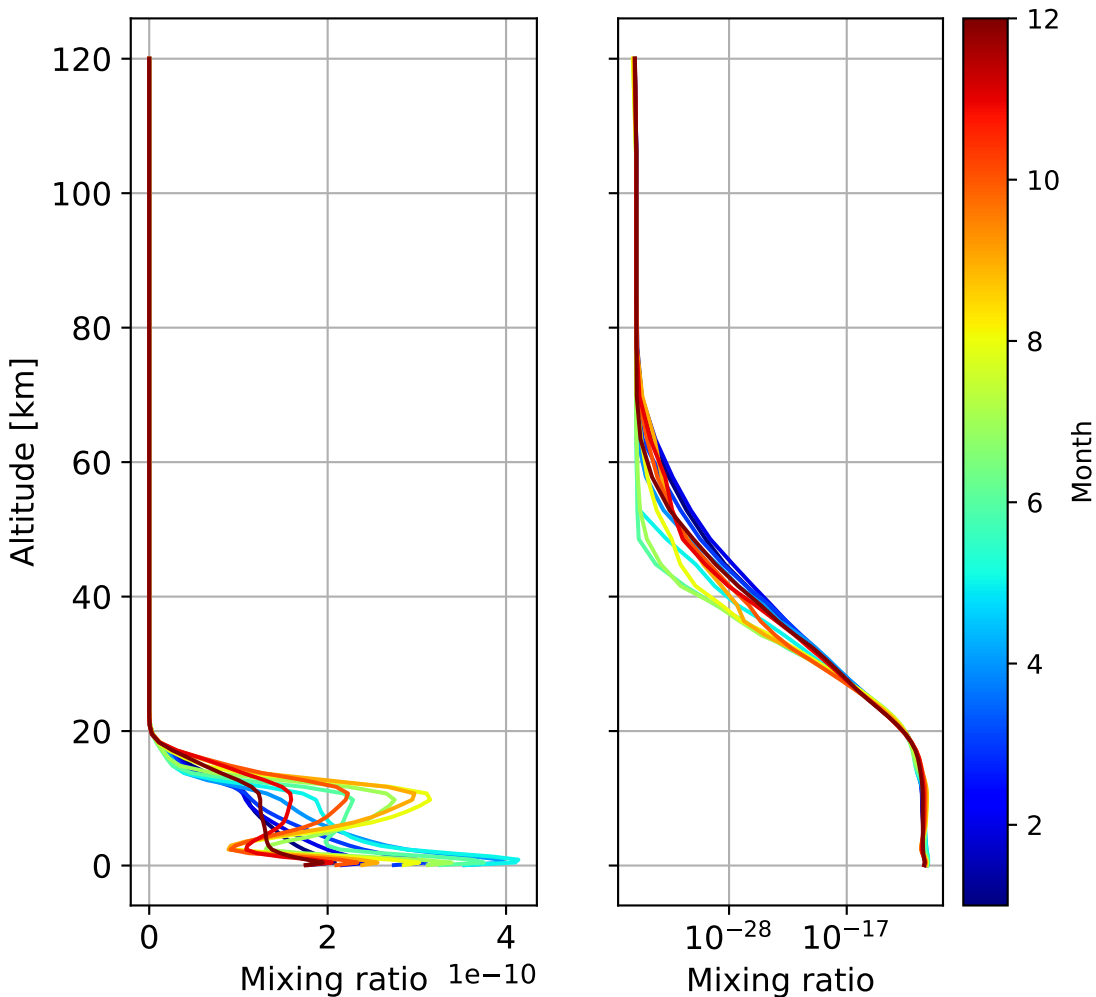
Time Series of vertical profiles (site altitude - 120 km)



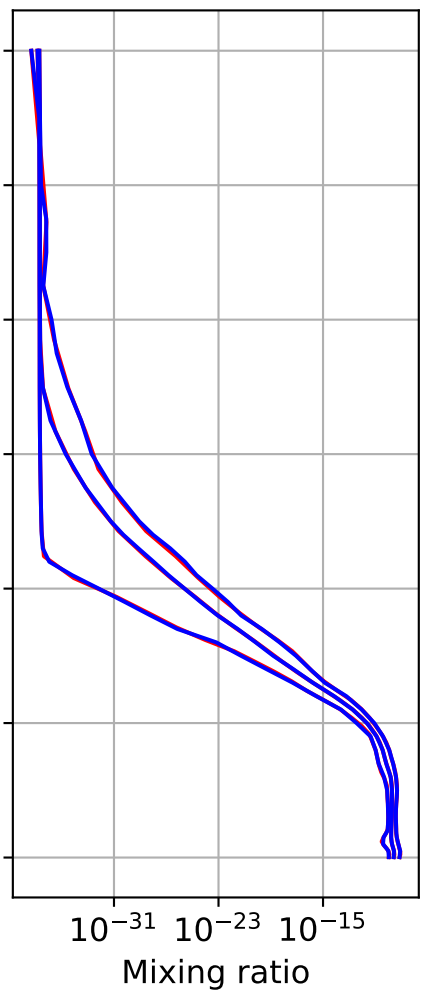
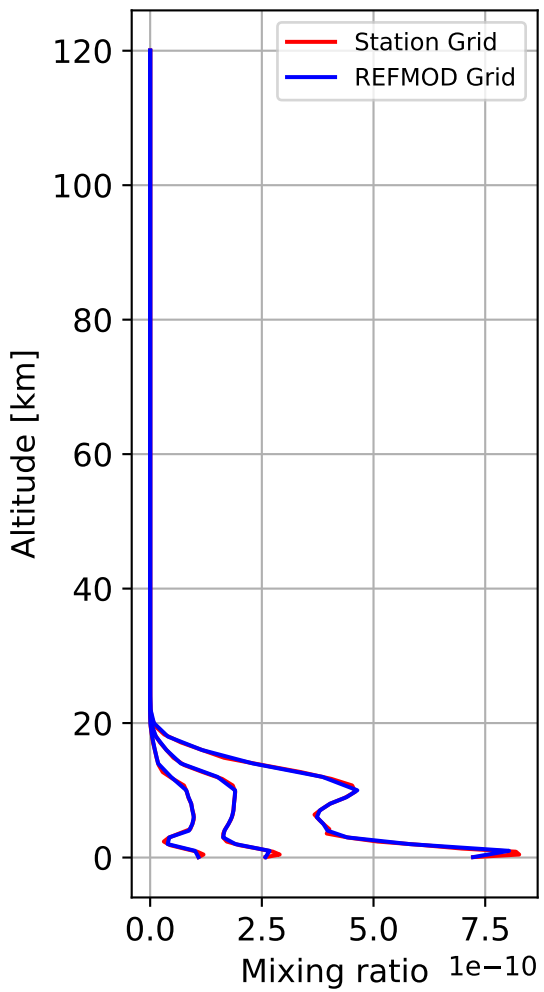
Time Series of vertical profiles (site altitude - 40 km)



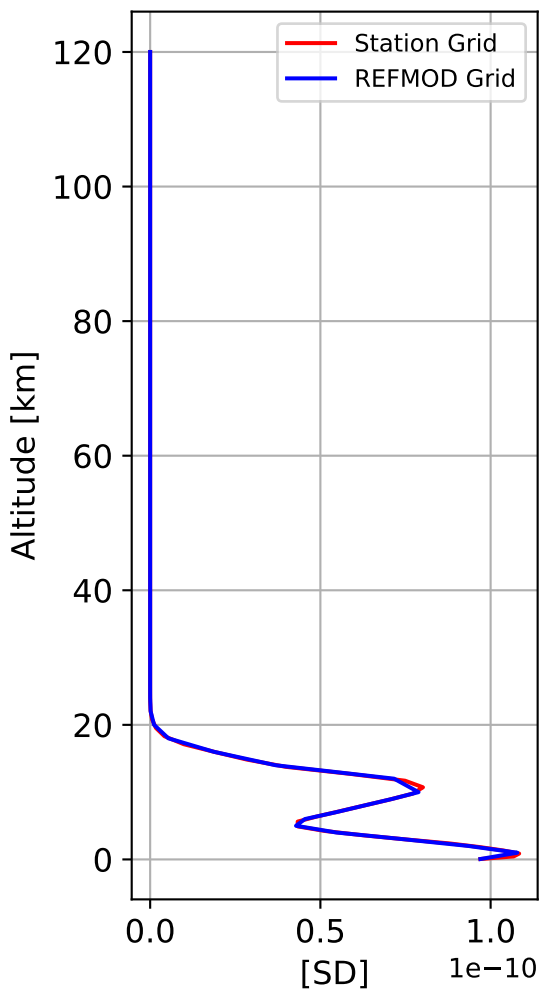
# Monthly mean WACCM profile (interpolated to station grid) Paris, 48.97N, 2.37E, 0.06kmasl



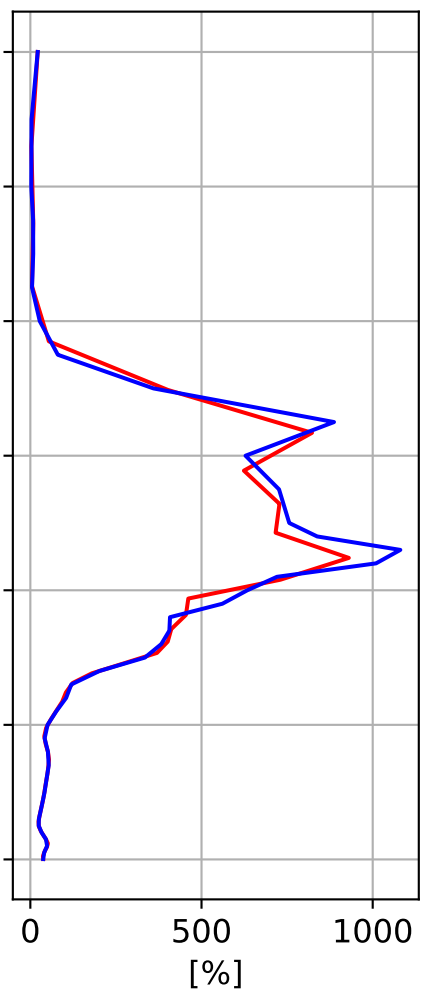
# Min, Max, Mean of 732 profiles Paris, 48.97N, 2.37E, 0.06kmasl



### Std. Deviation



### Percent Deviation

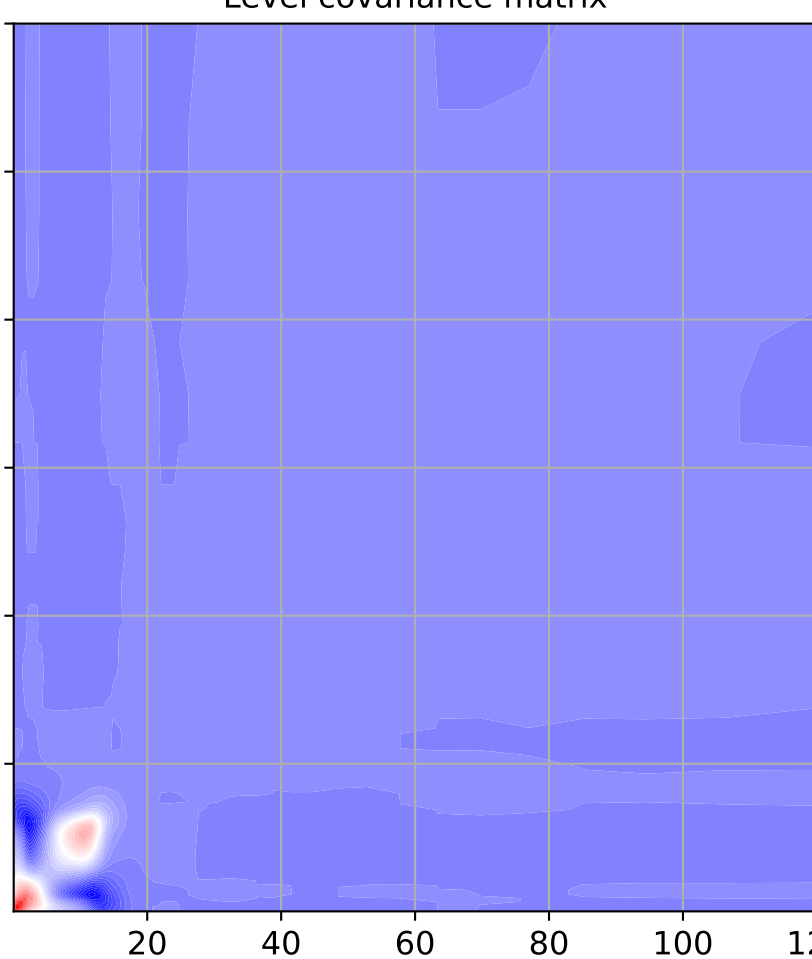


# Level covariance matrix

1e-20

Altitude [km]

120  
100  
80  
60  
40  
20



1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0  
-0.2  
-0.4

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

Altitude [km]