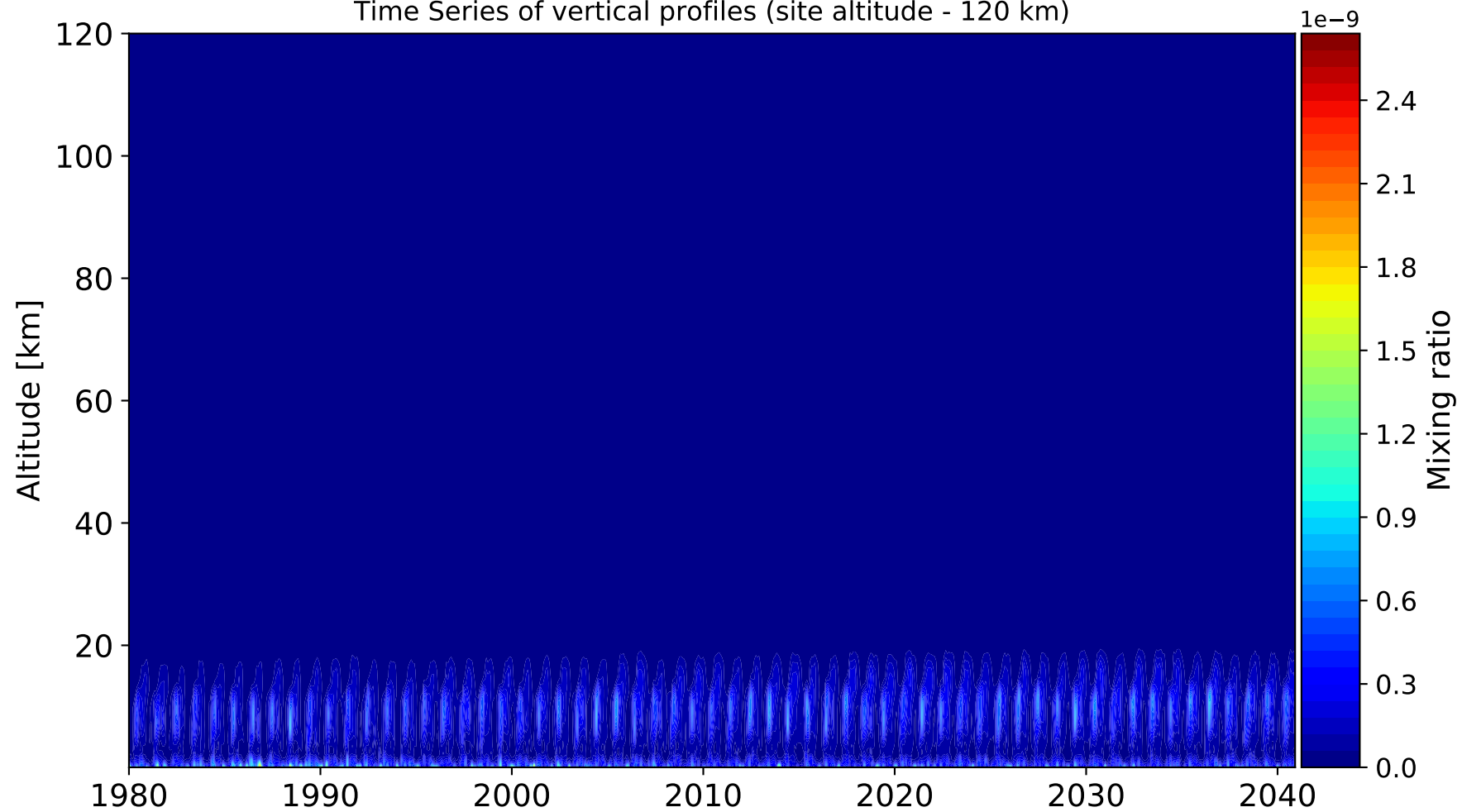
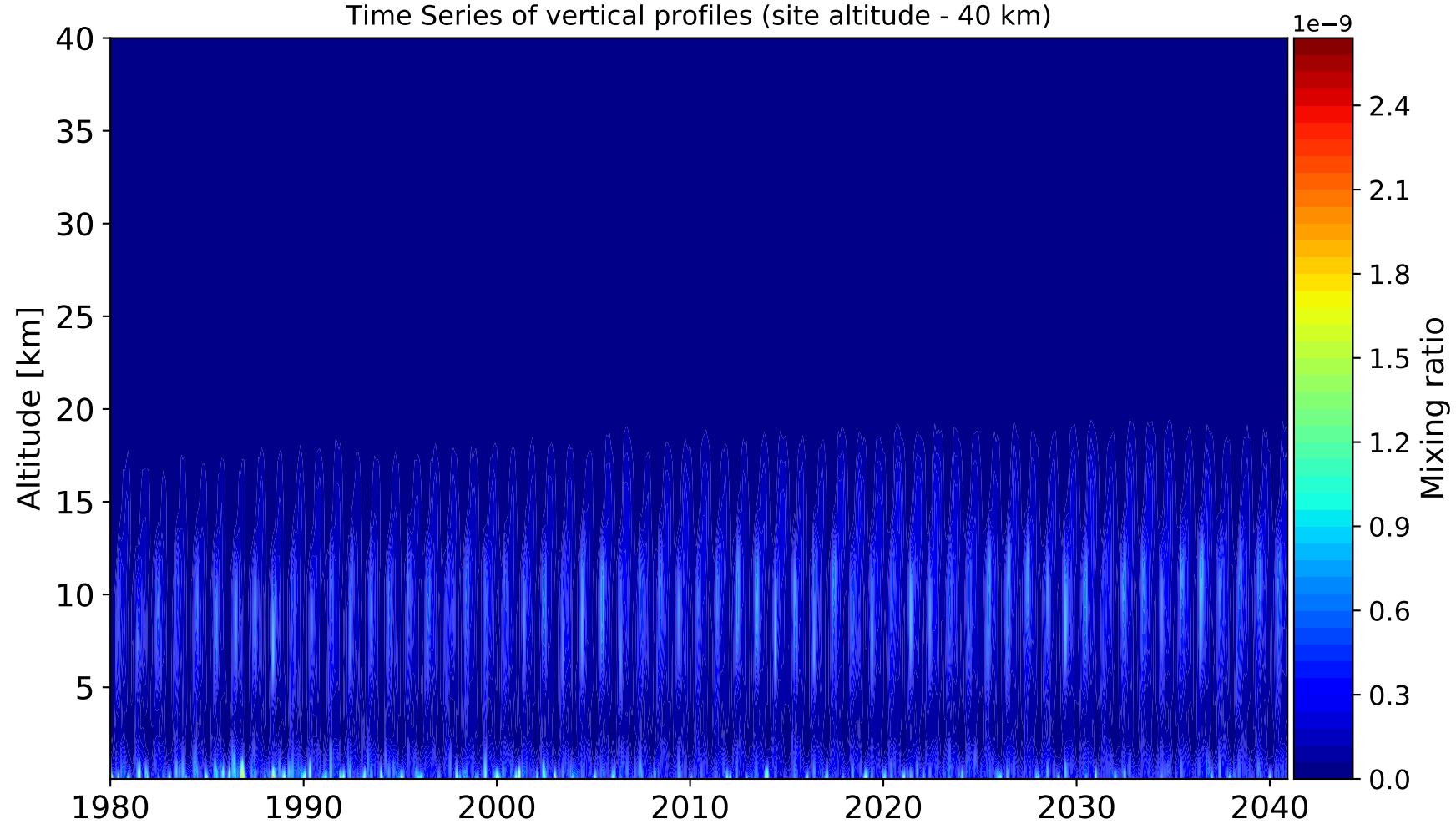


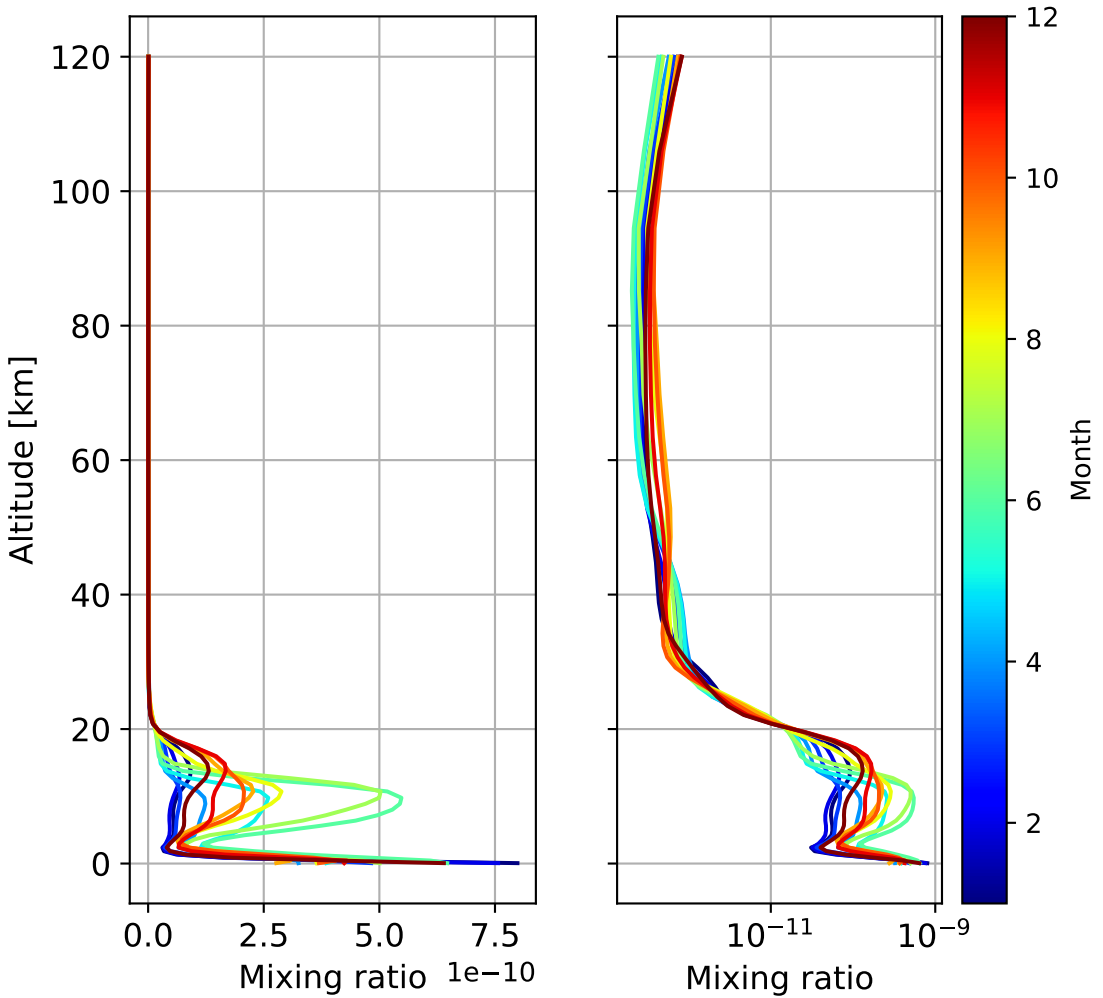
Time Series of vertical profiles (site altitude - 120 km)



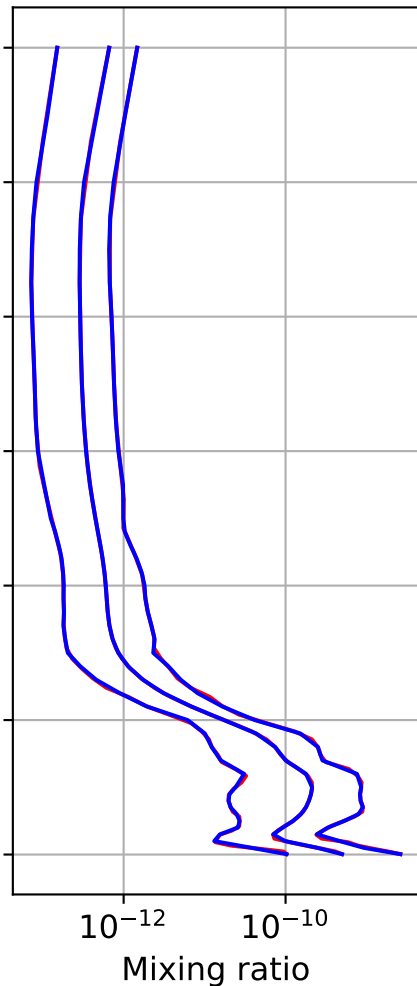
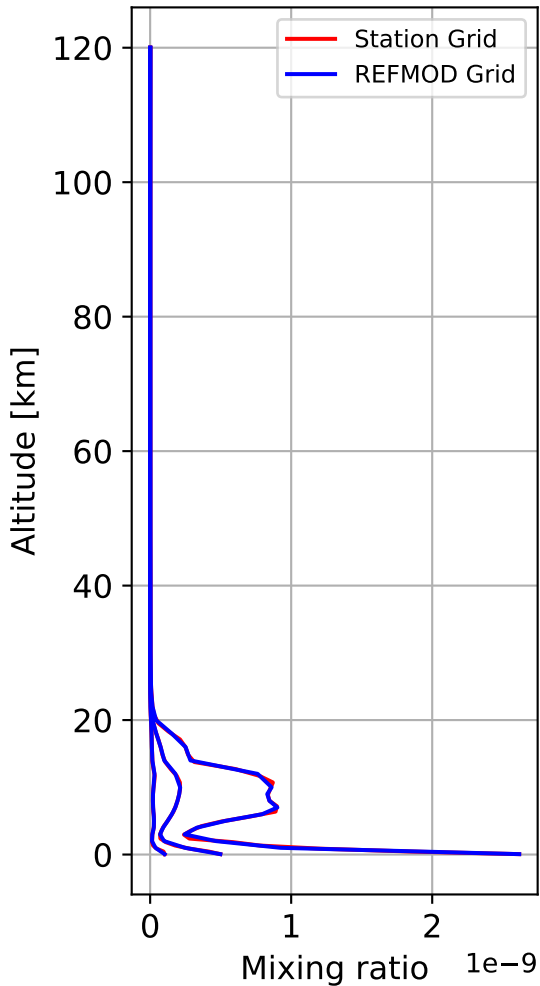
Time Series of vertical profiles (site altitude - 40 km)



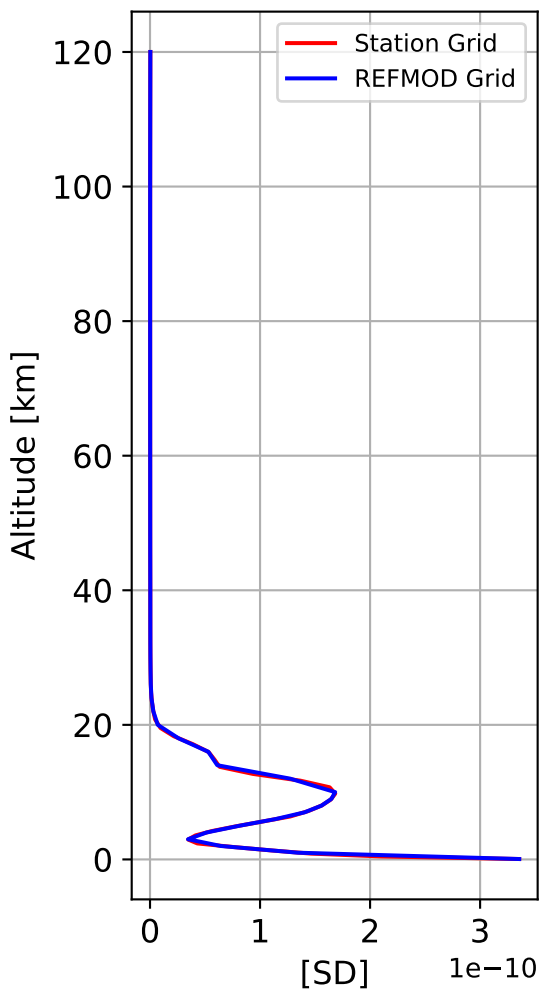
# Monthly mean WACCM profile (interpolated to station grid) Paris, 48.97N, 2.37E, 0.06kmasl



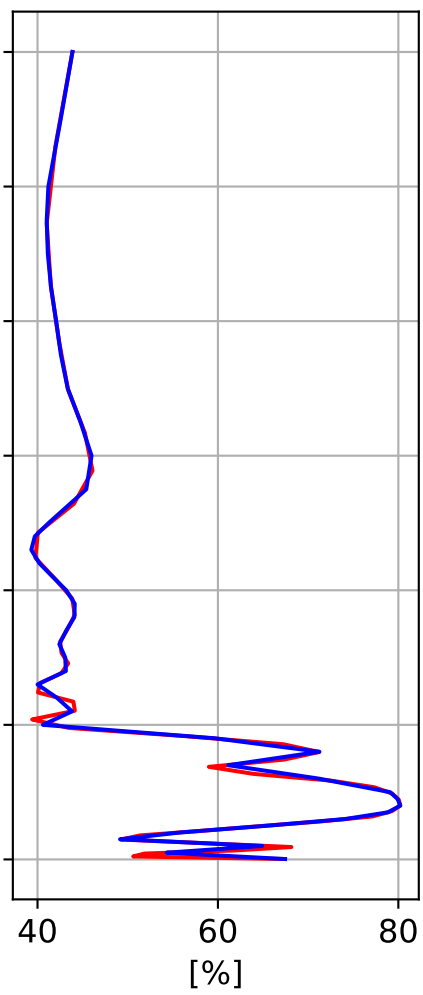
Min, Max, Mean of 732 profiles  
Paris, 48.97N, 2.37E, 0.06kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-19$

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

20

40

60

80

100

120

Mixing ratio<sup>2</sup>

1.125  
1.000  
0.875  
0.750  
0.625  
0.500  
0.375  
0.250  
0.125  
0.000

