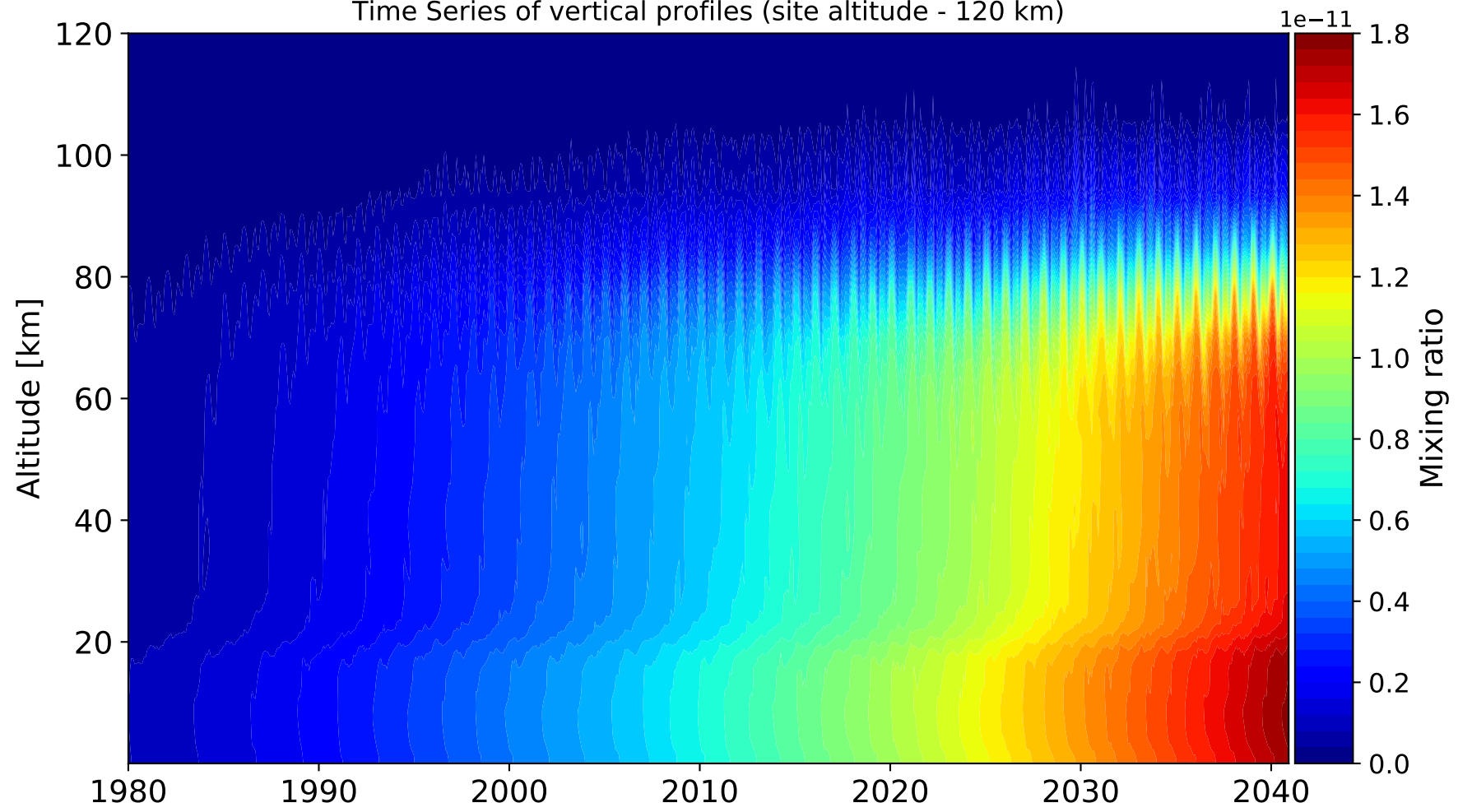


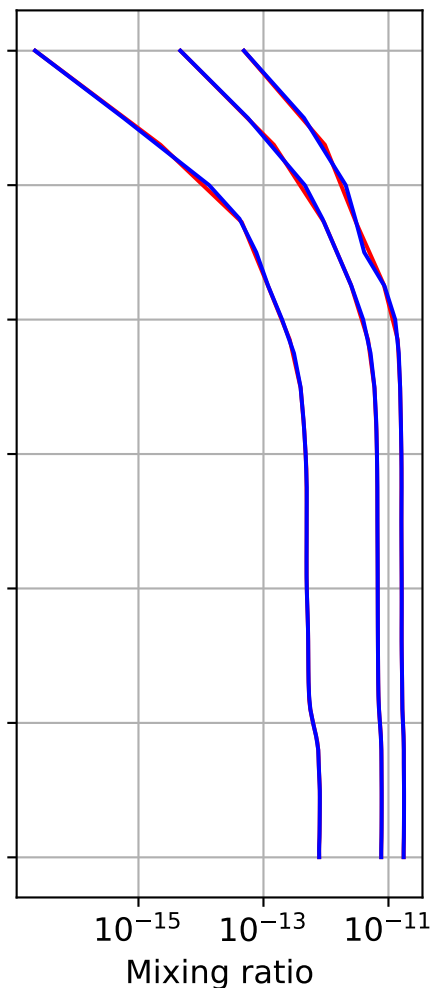
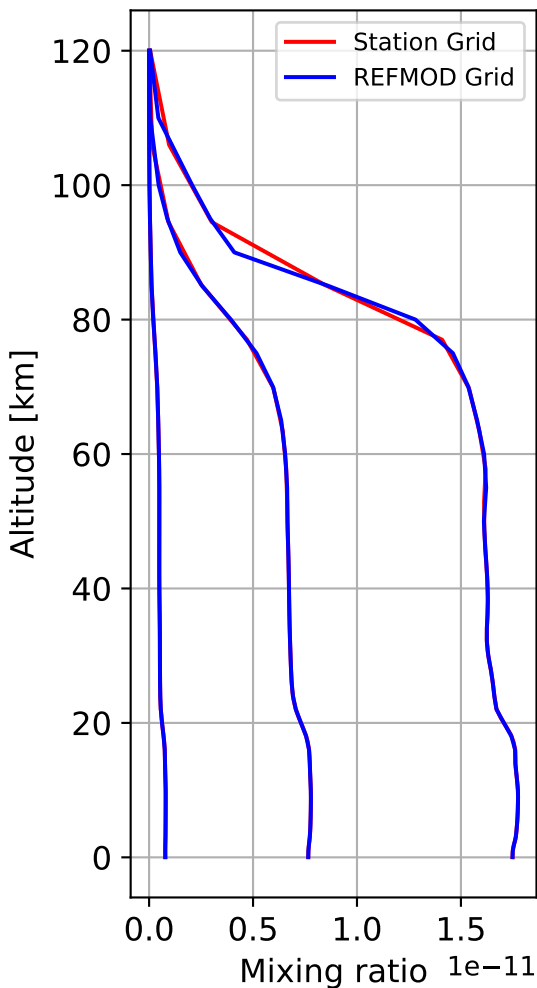
Time Series of vertical profiles (site altitude - 120 km)



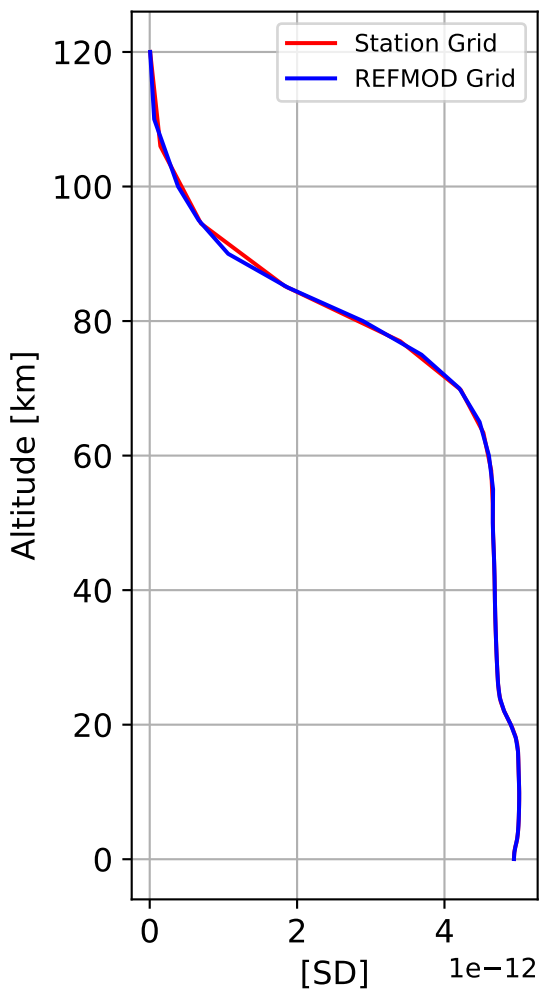




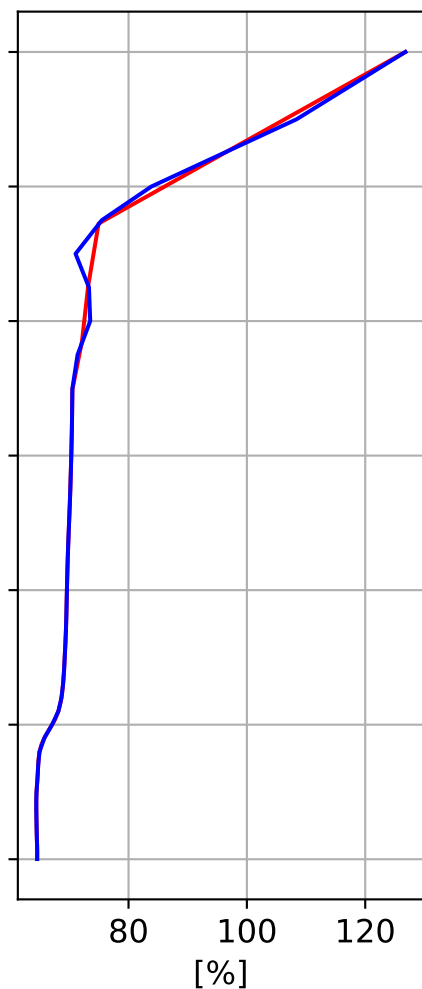
Min, Max, Mean of 732 profiles  
Wollongong, -34.4061N, 150.8793E, 0.03kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

 $1e-23$ 

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

20

40

60

80

100

120

Mixing ratio[ $\sim 2$ ]2.4  
2.1  
1.8  
1.5  
1.2  
0.9  
0.6  
0.3  
0.0