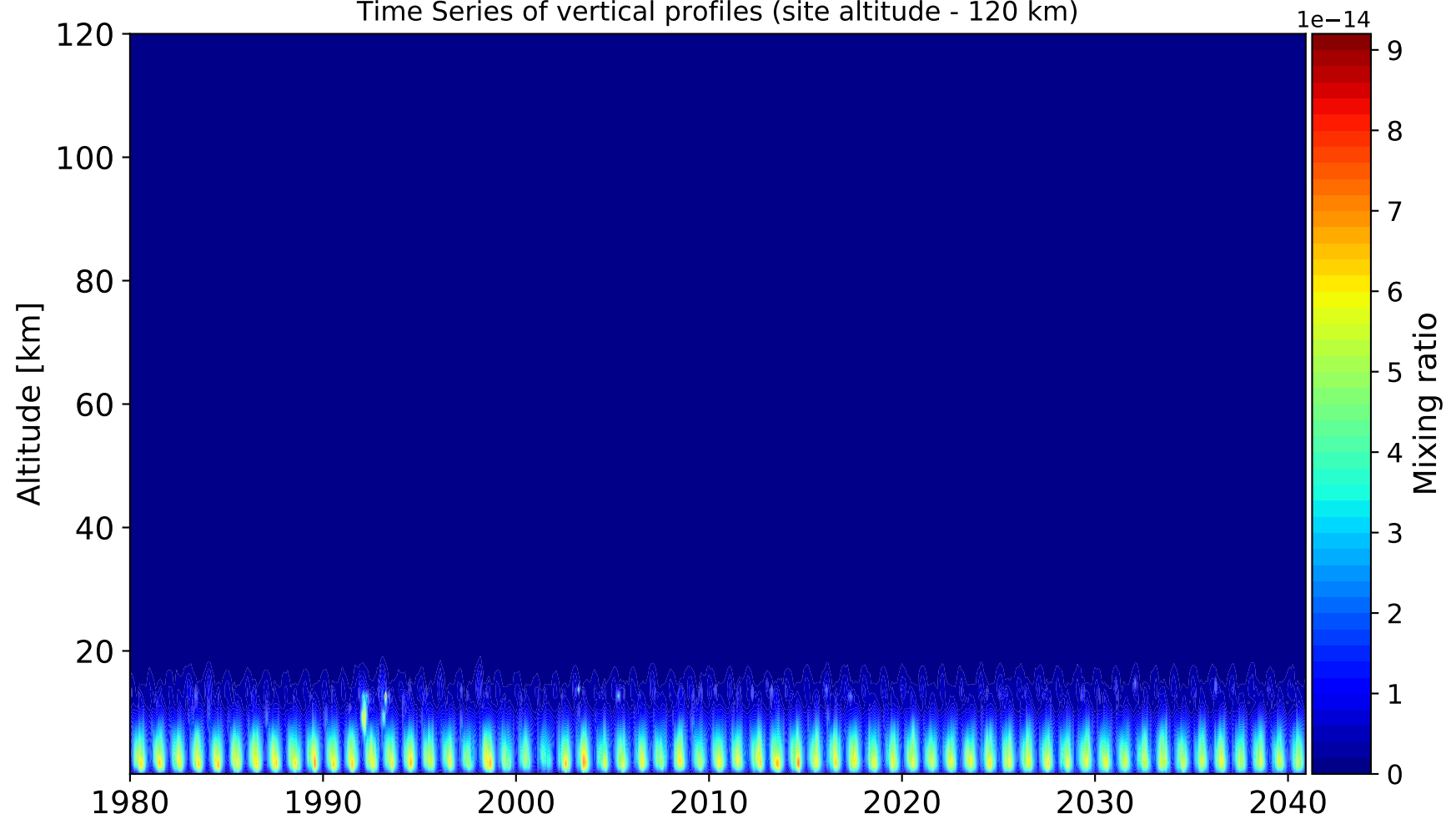
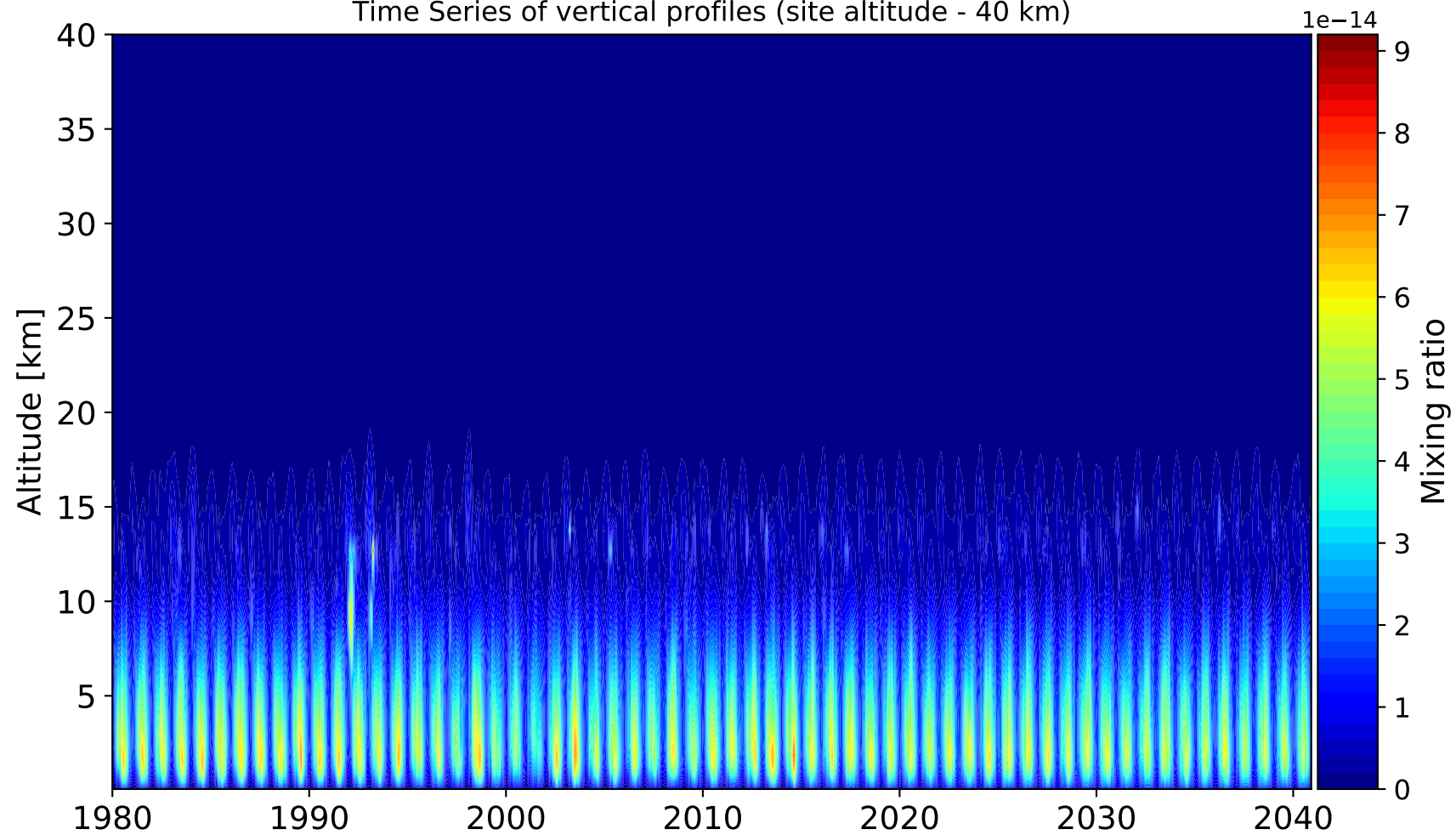


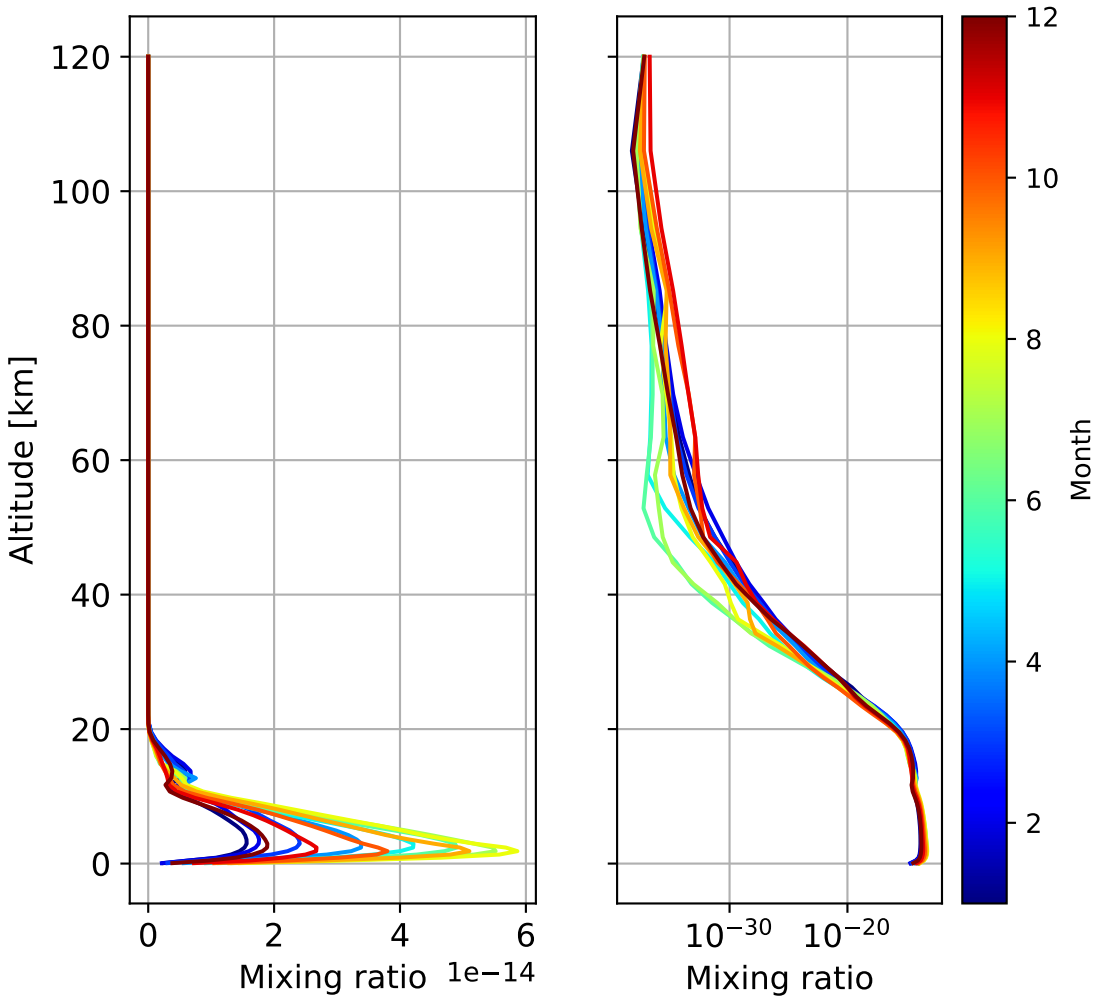
Time Series of vertical profiles (site altitude - 120 km)



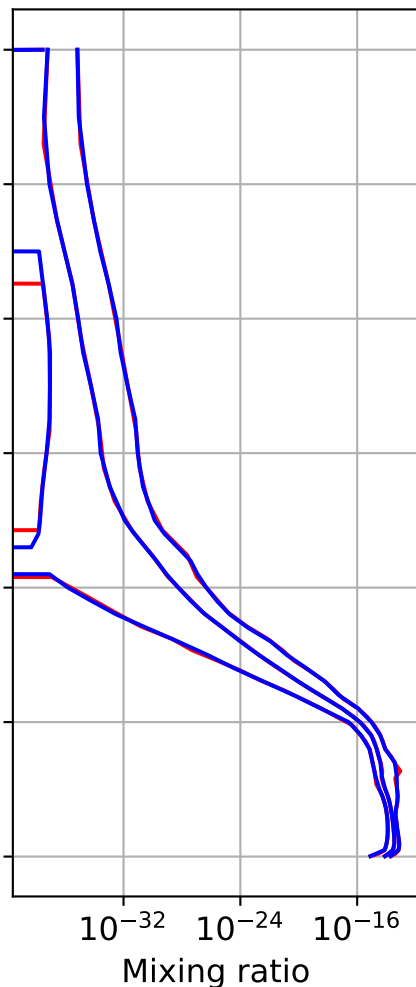
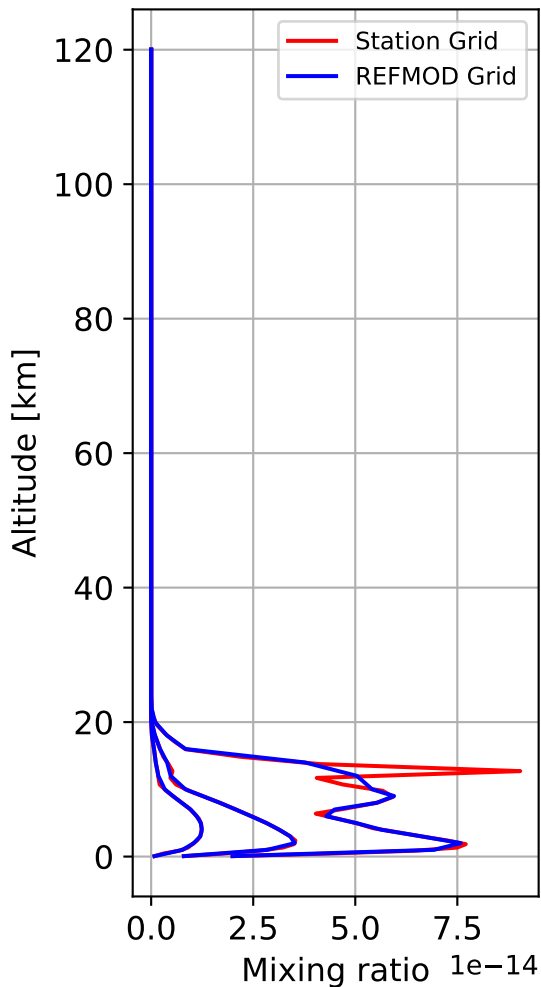
Time Series of vertical profiles (site altitude - 40 km)



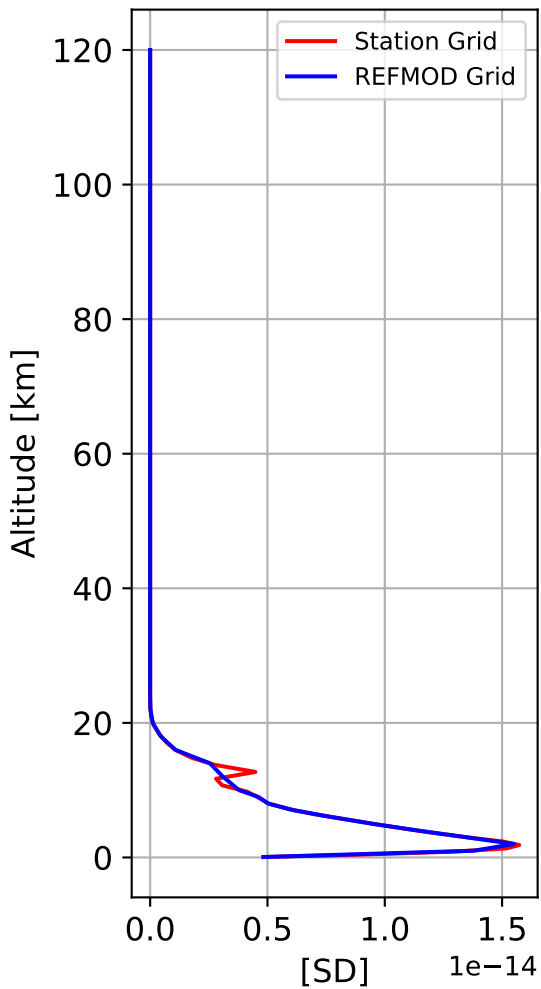
# Monthly mean WACCM profile (interpolated to station grid) Halifax, 44.64N, 296.41E, 0.065kmasl



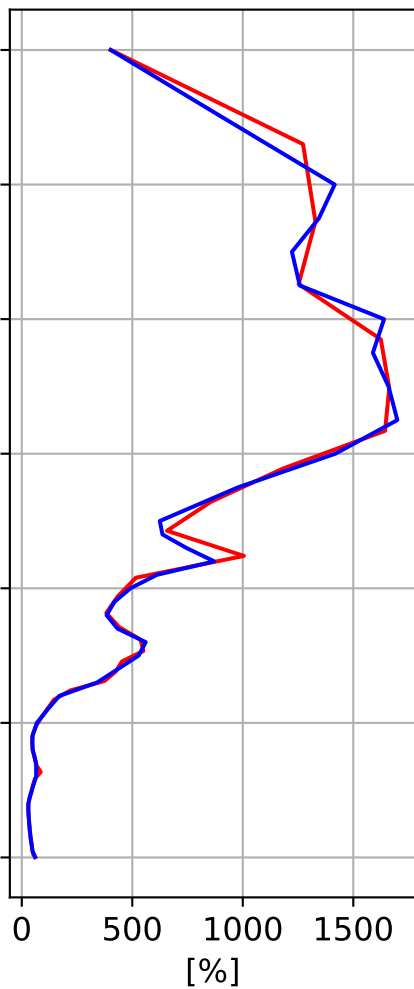
Min, Max, Mean of 732 profiles  
Halifax, 44.64N, 296.41E, 0.065kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

1e-28

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

Mixing ratio[ $\sim 2$ ]

2.4  
2.1  
1.8  
1.5  
1.2  
0.9  
0.6  
0.3  
0.0

