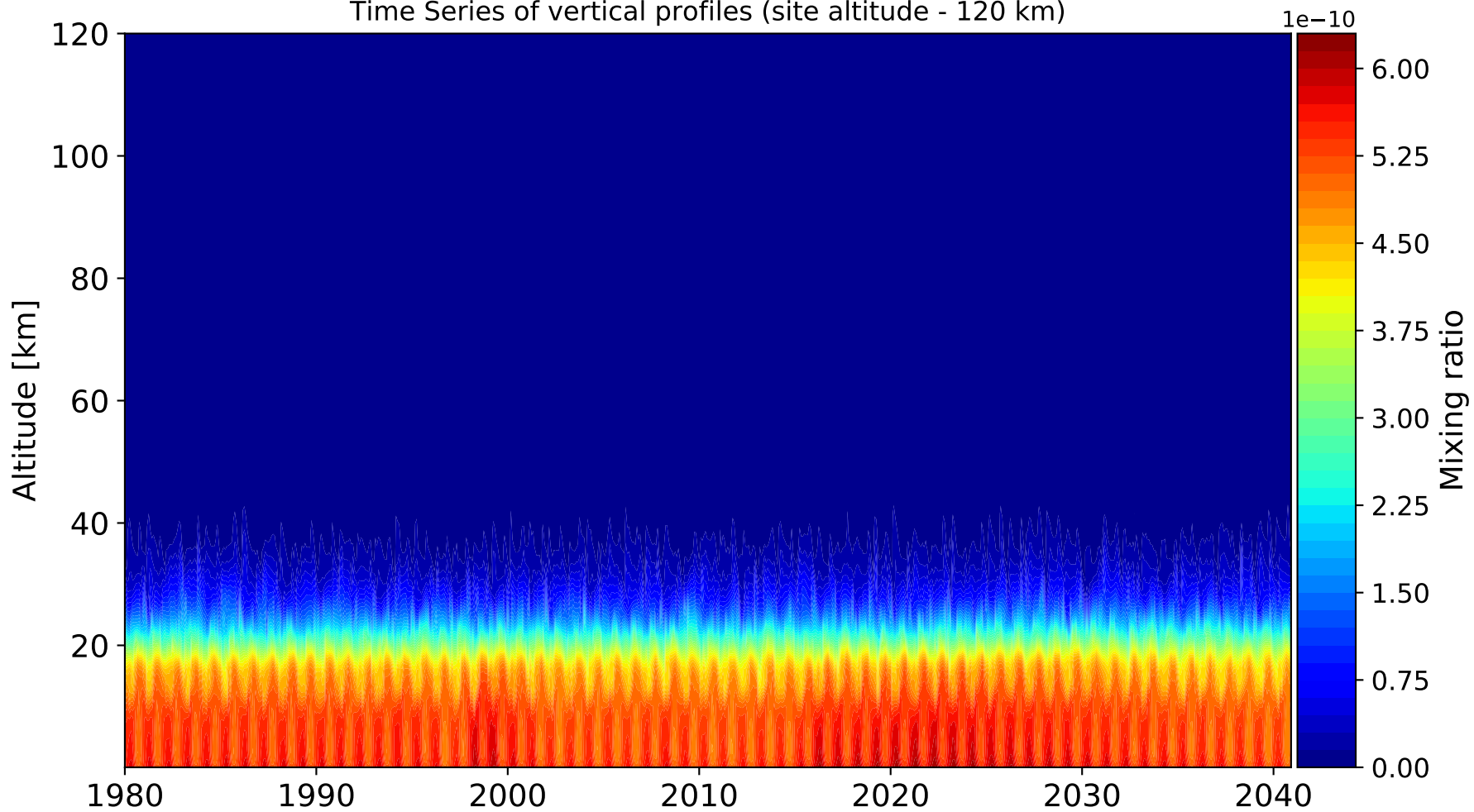
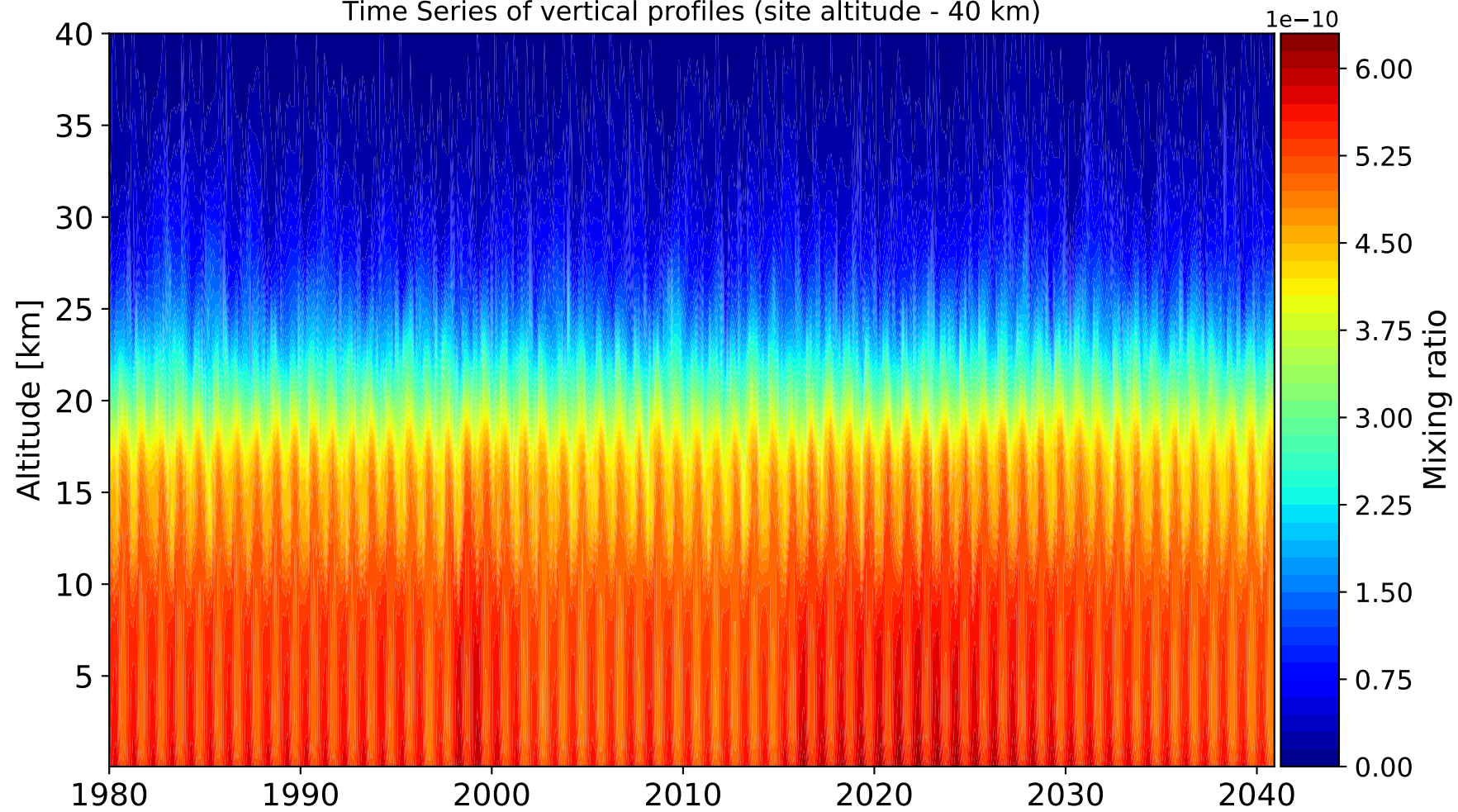


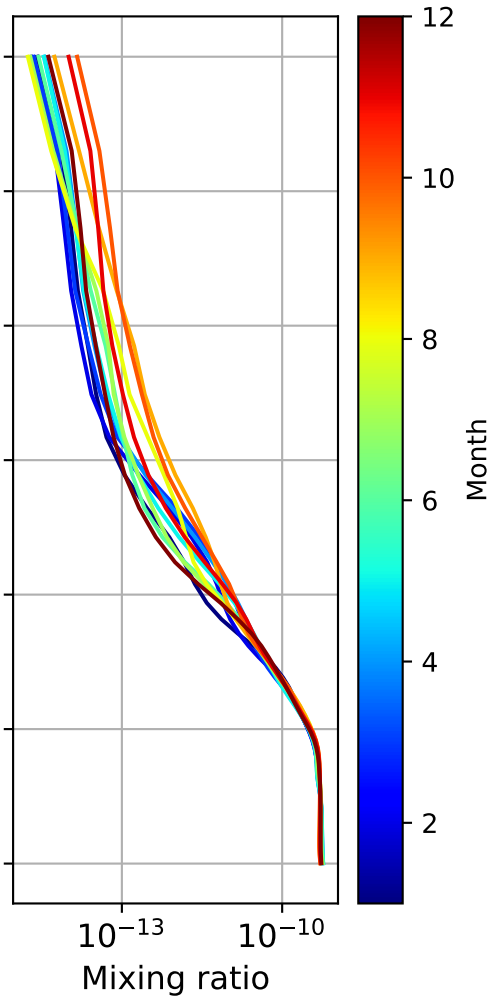
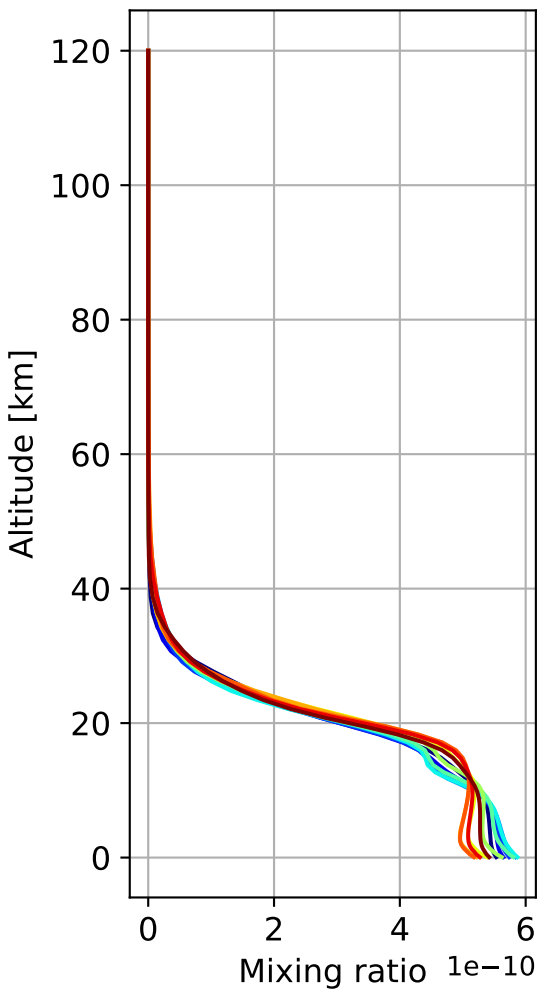
Time Series of vertical profiles (site altitude - 120 km)



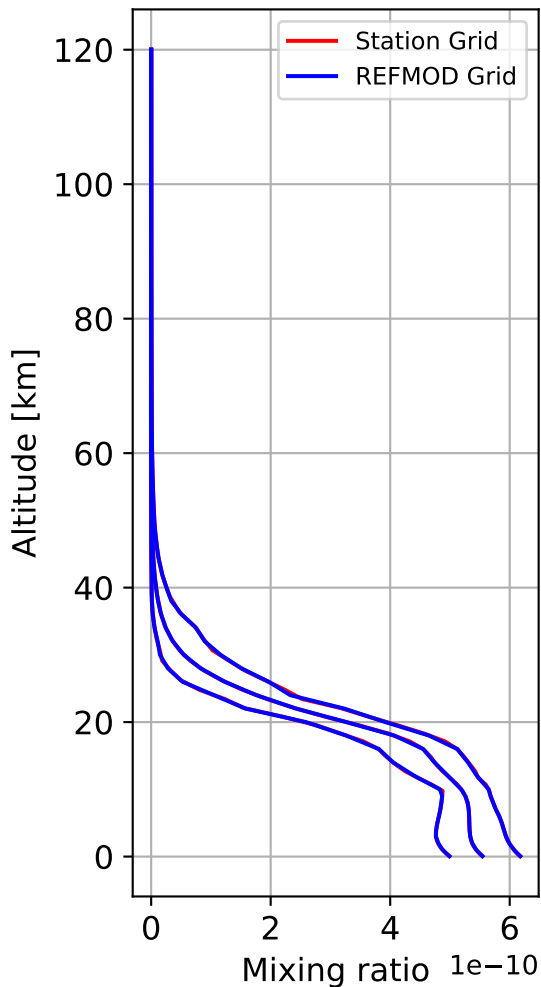
Time Series of vertical profiles (site altitude - 40 km)



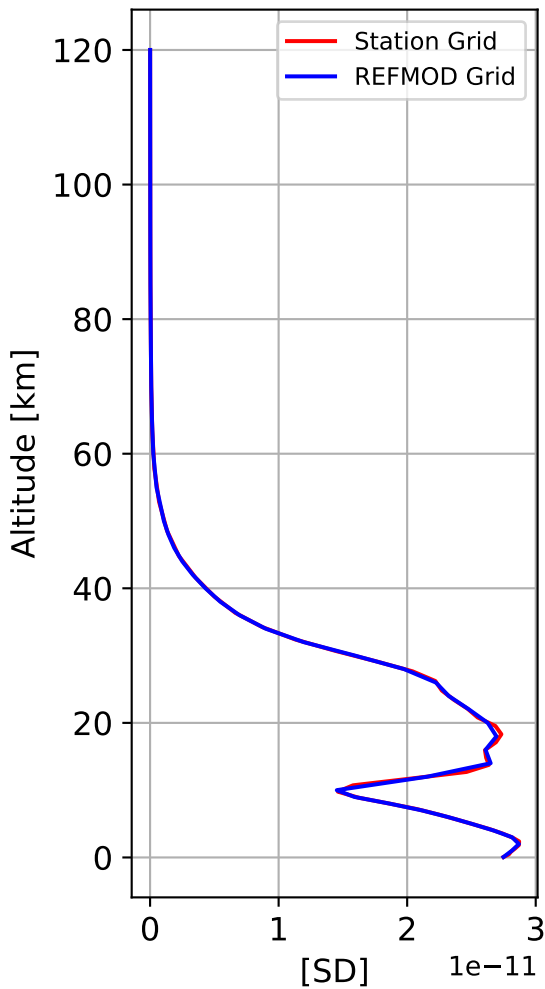
# Monthly mean WACCM profile (interpolated to station grid) Halifax, 44.64N, 296.41E, 0.065kmasl



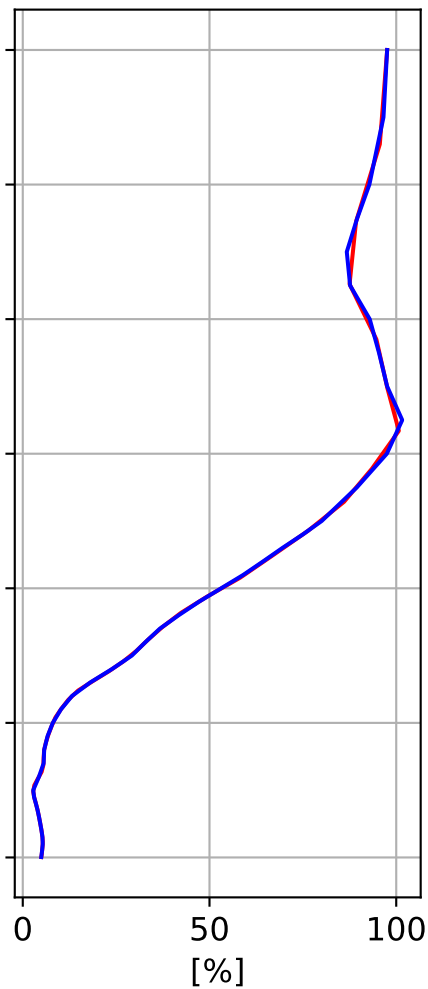
Min, Max, Mean of 732 profiles  
Halifax, 44.64N, 296.41E, 0.065kmasl



Std. Deviation



Percent Deviation

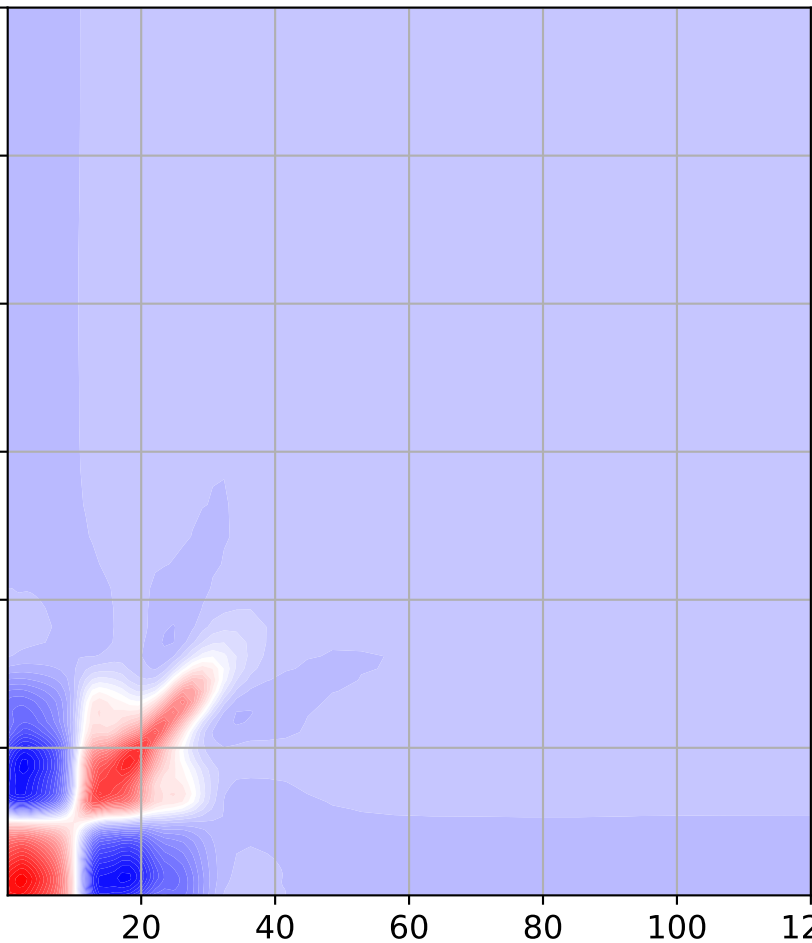


# Level covariance matrix

1e-22

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

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

7.5  
6.0  
4.5  
3.0  
1.5  
0.0  
-1.5  
-3.0  
-4.5