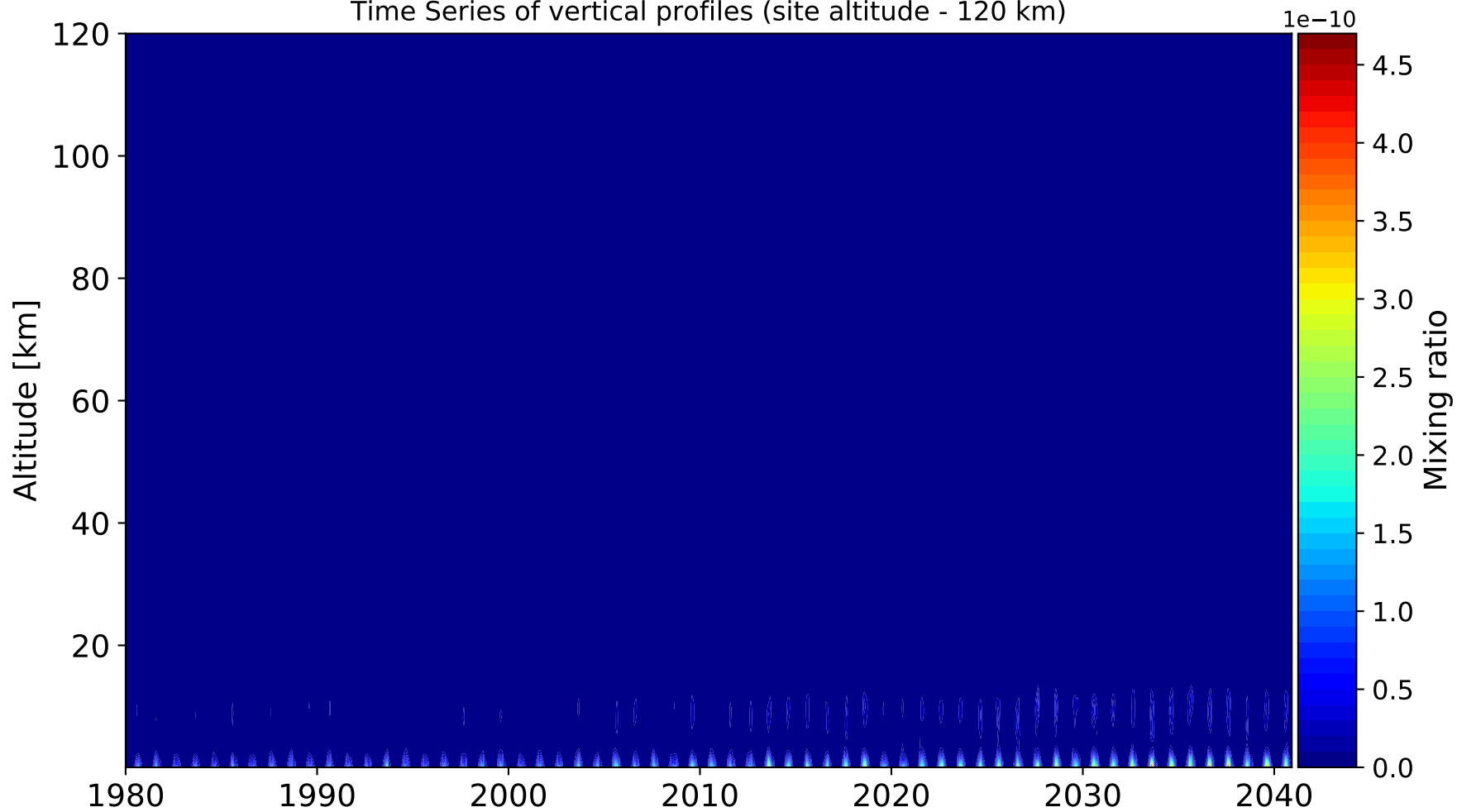


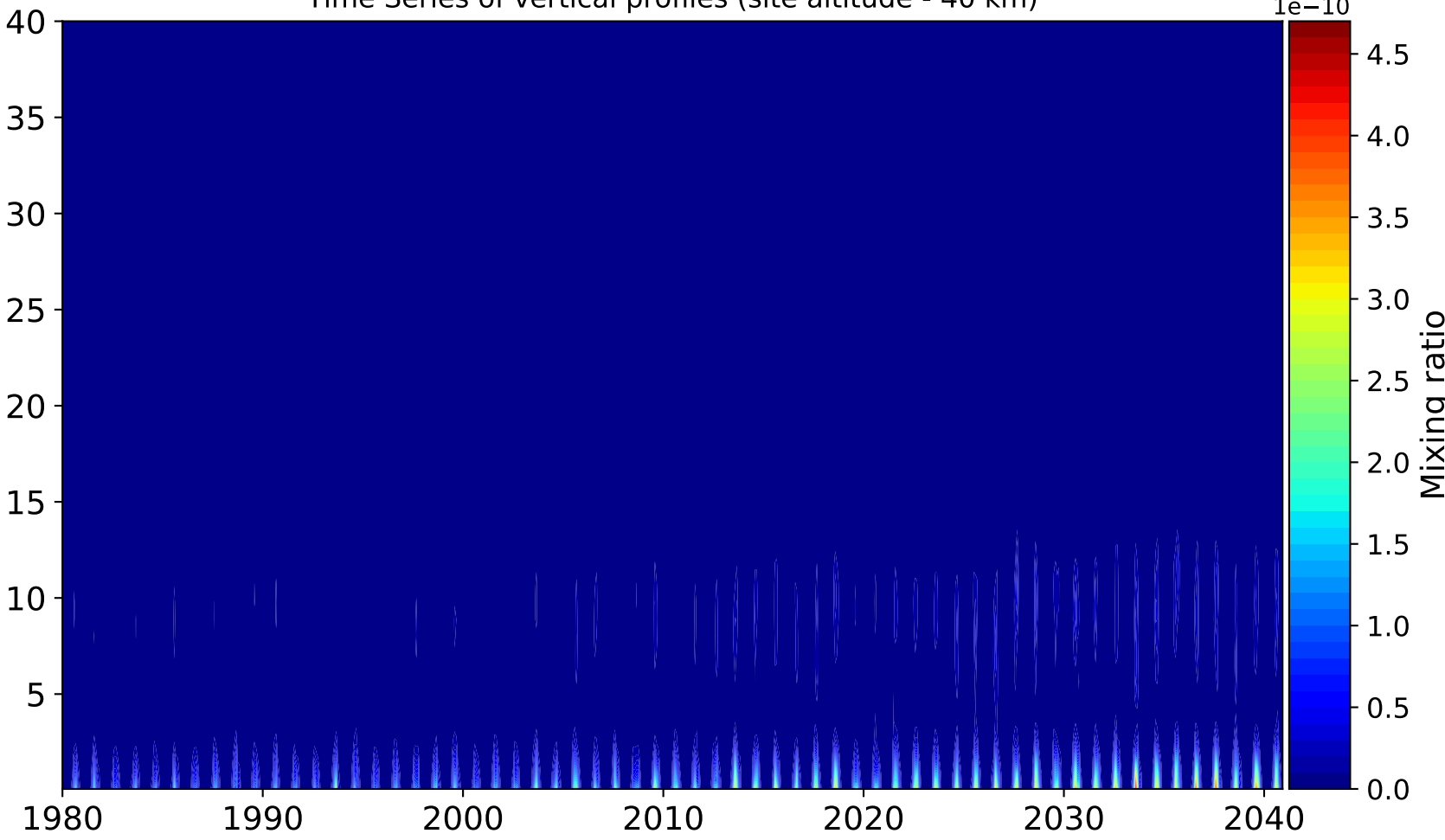
Time Series of vertical profiles (site altitude - 120 km)



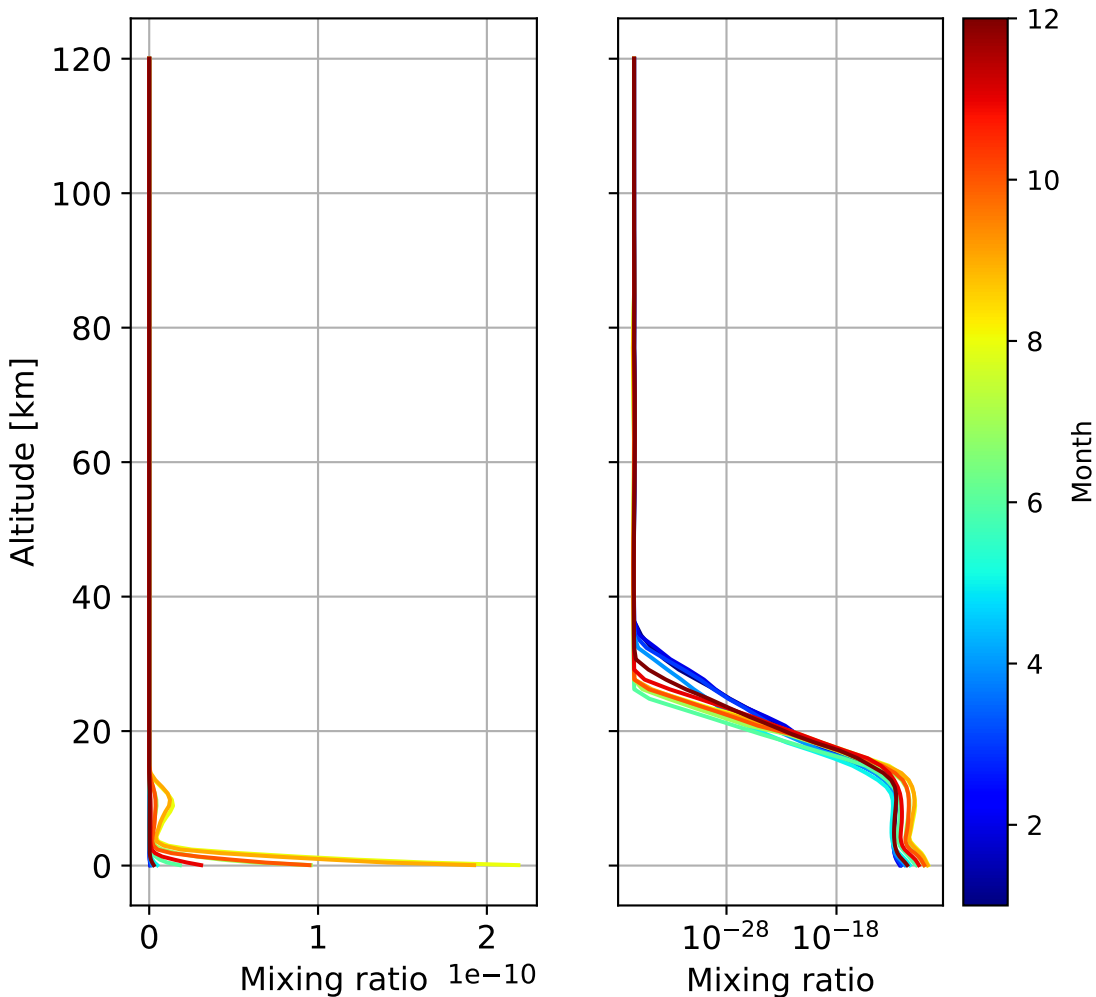
Time Series of vertical profiles (site altitude - 40 km)

1e-10

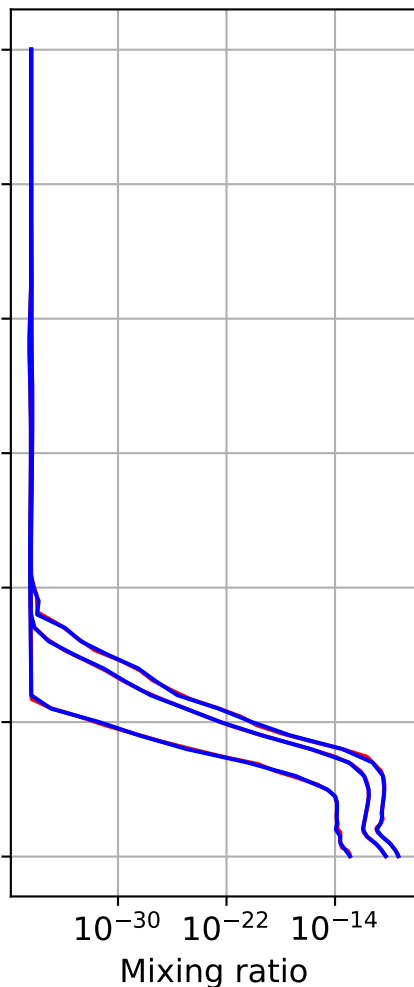
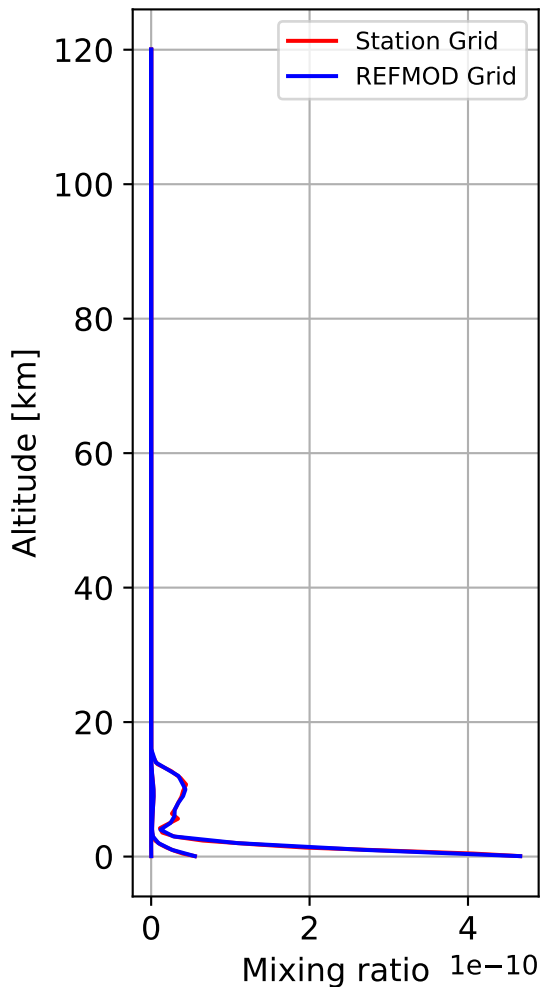
Altitude [km]



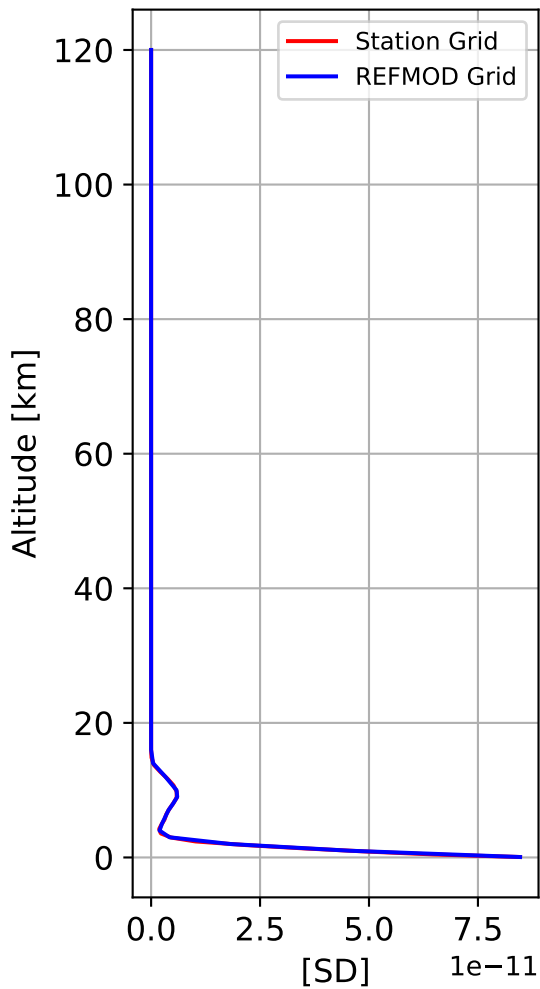
Monthly mean WACCM profile (interpolated to station grid)
Halifax, 44.64N, 296.41E, 0.065kmasl



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



Std. Deviation



Percent Deviation



Level covariance matrix

1e-21

Altitude [km]

120
100
80
60
40
20

Altitude [km]

20 40 60 80 100 120

Mixing ratio[\sim^2]

6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00

