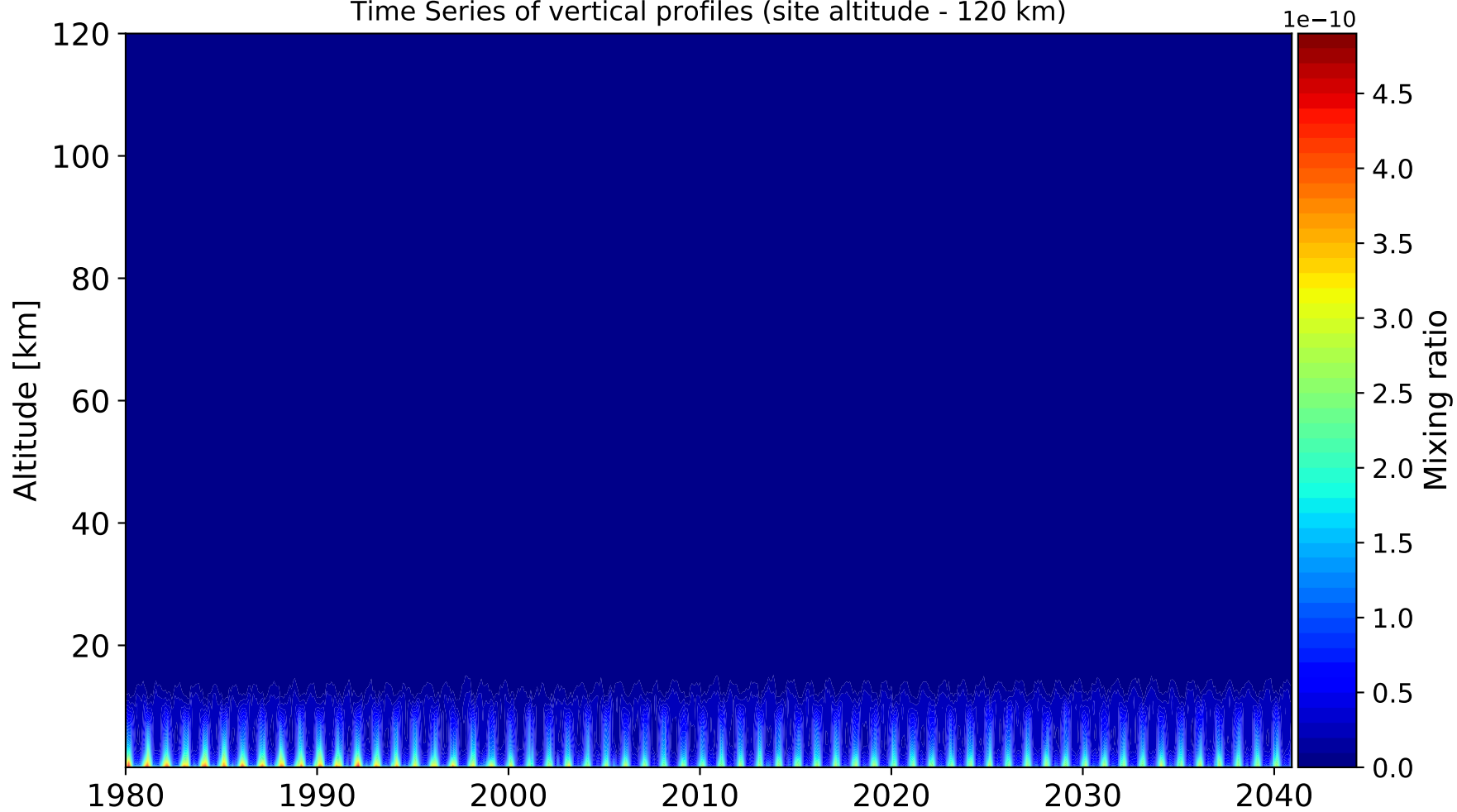


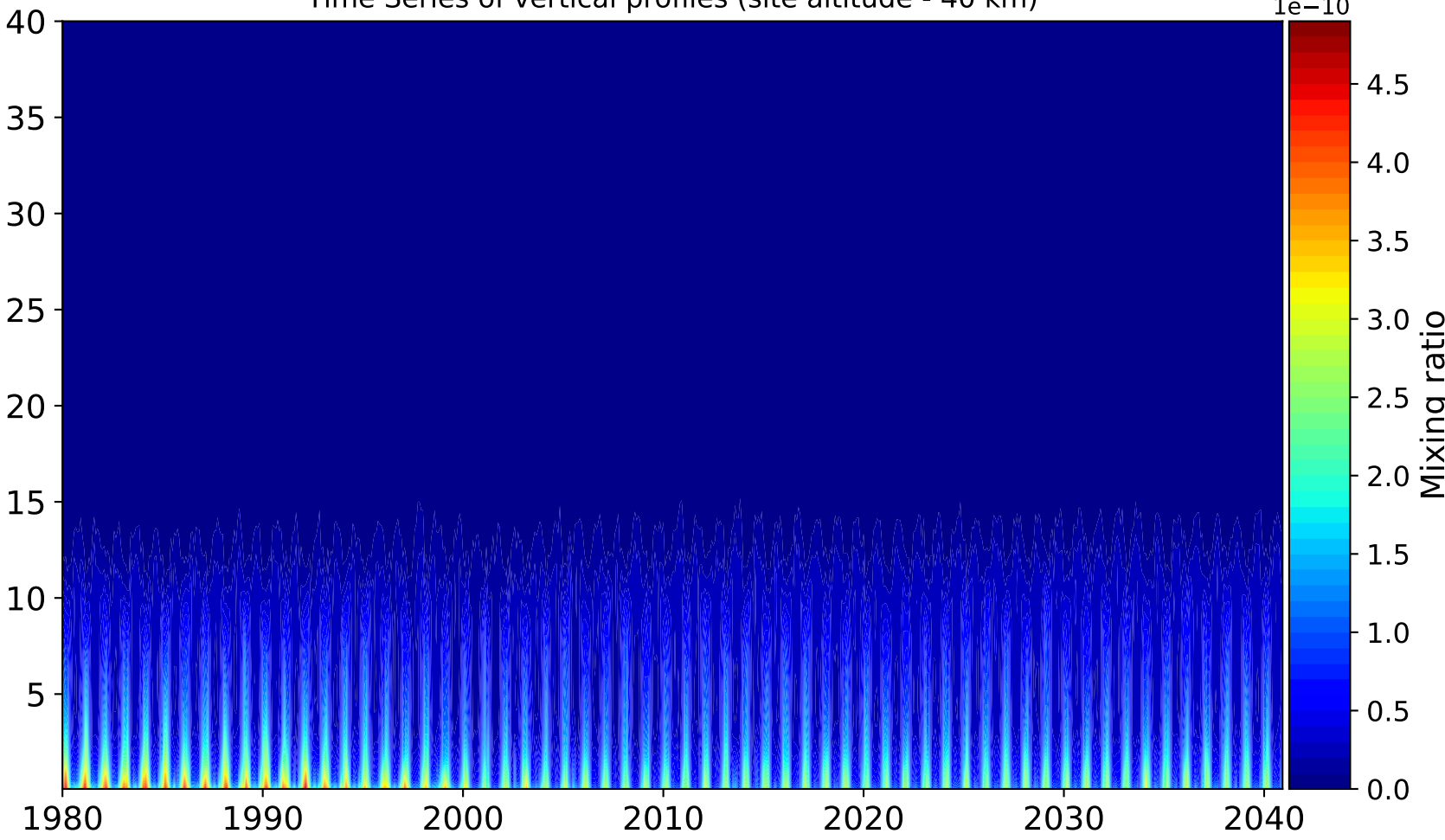
Time Series of vertical profiles (site altitude - 120 km)



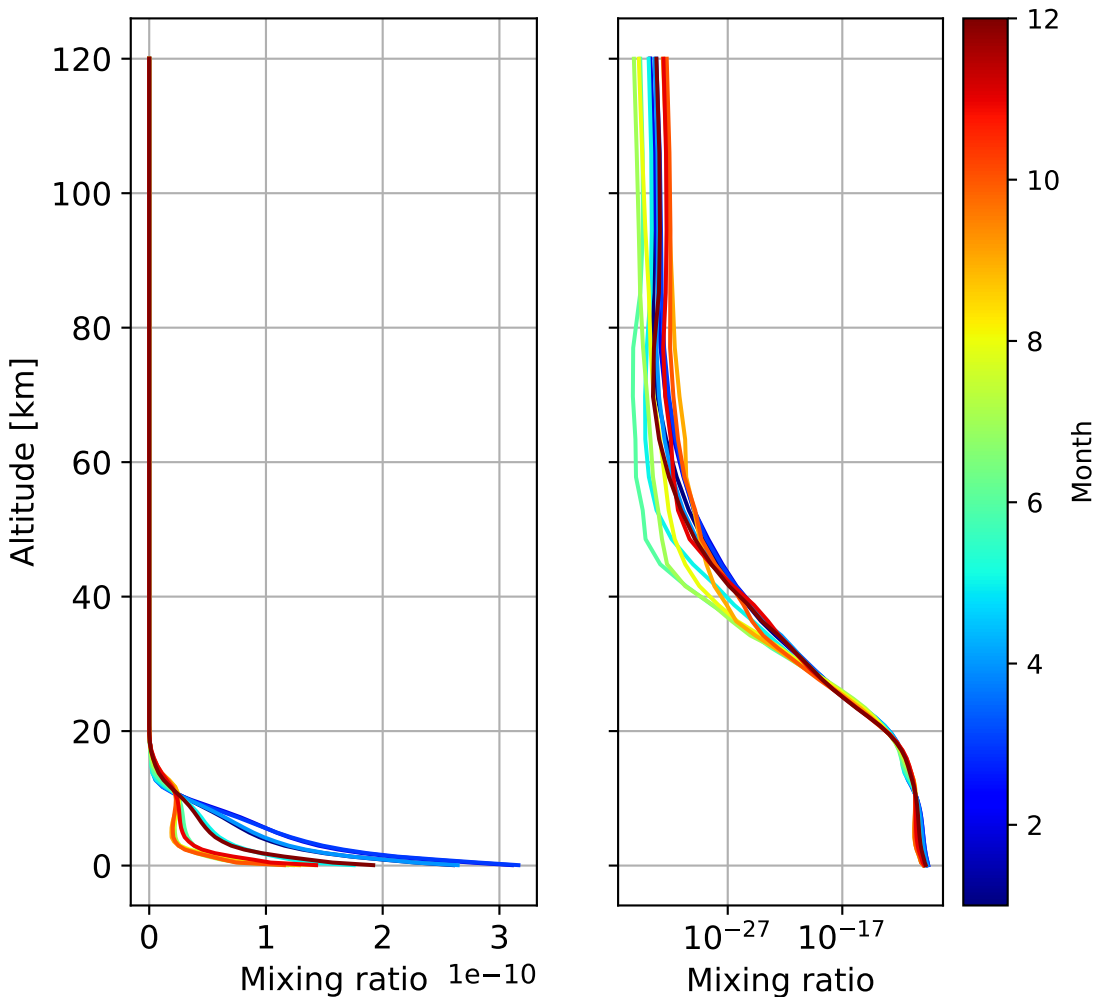
Time Series of vertical profiles (site altitude - 40 km)

1e-10

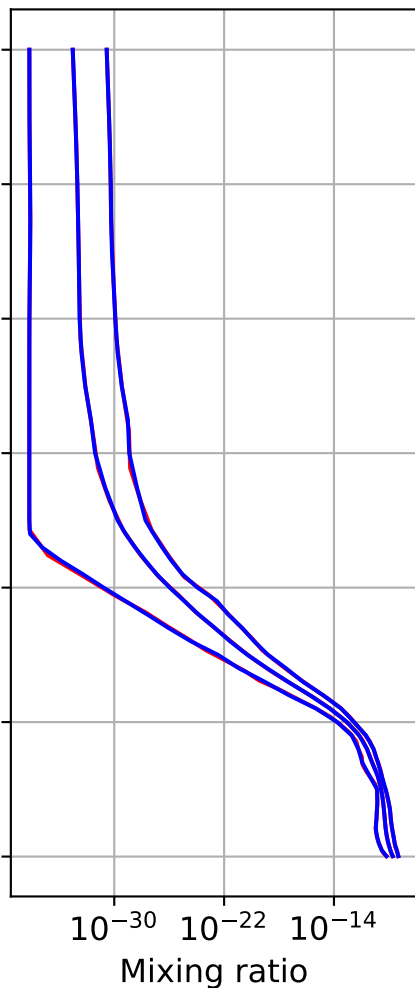
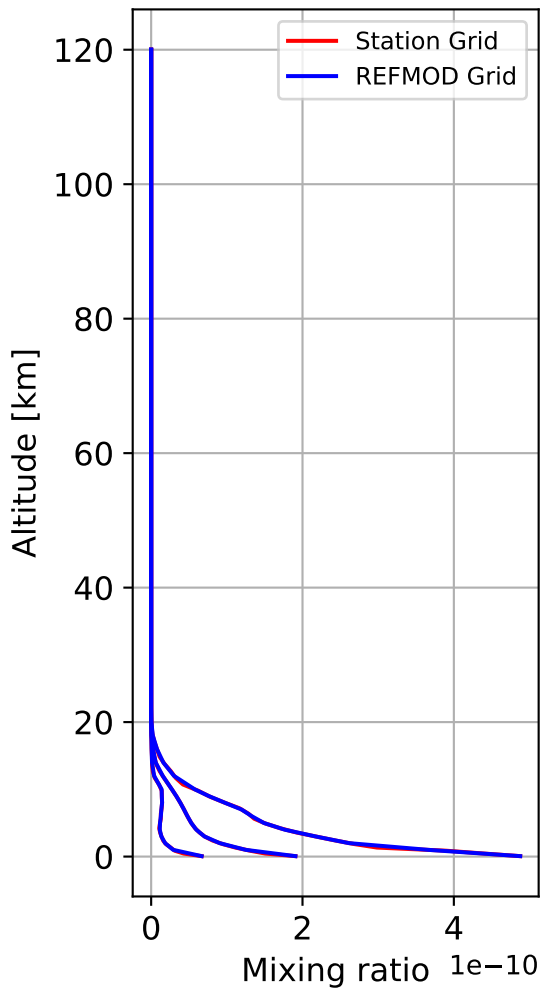
Altitude [km]



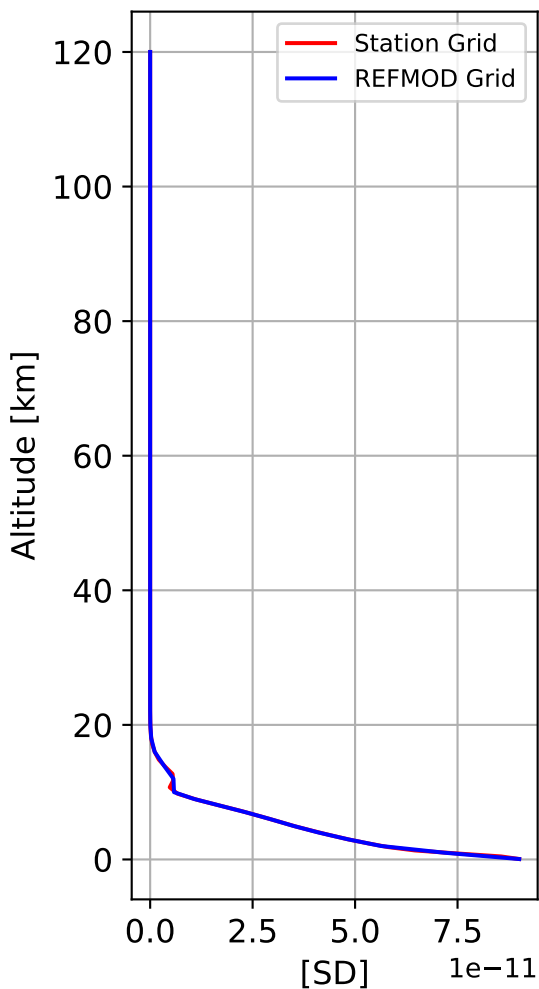
Monthly mean WACCM profile (interpolated to station grid) Halifax, 44.64N, 296.41E, 0.065kmasl



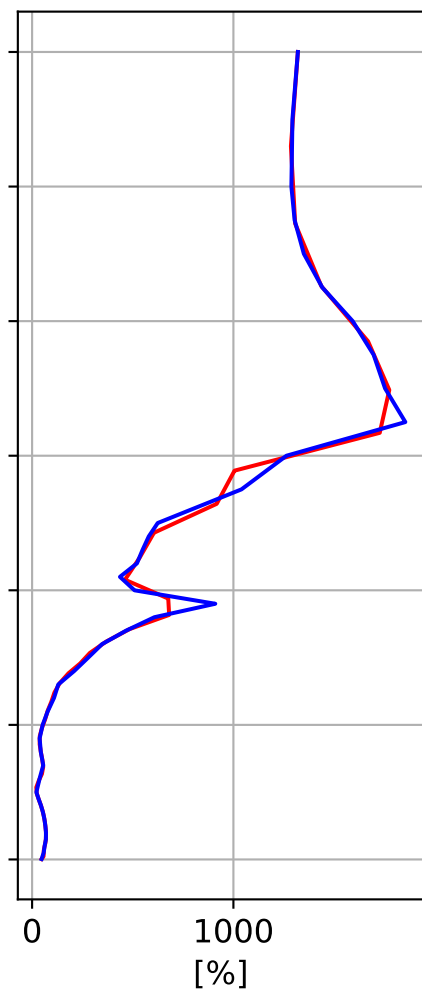
Min, Max, Mean of 732 profiles
Halifax, 44.64N, 296.41E, 0.065kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

$1e-21$

Altitude [km]

120

100

80

60

40

20

20

40

60

80

100

120

Altitude [km]

8

7

6

5

4

3

2

1

0

Mixing ratio[~ 2]

