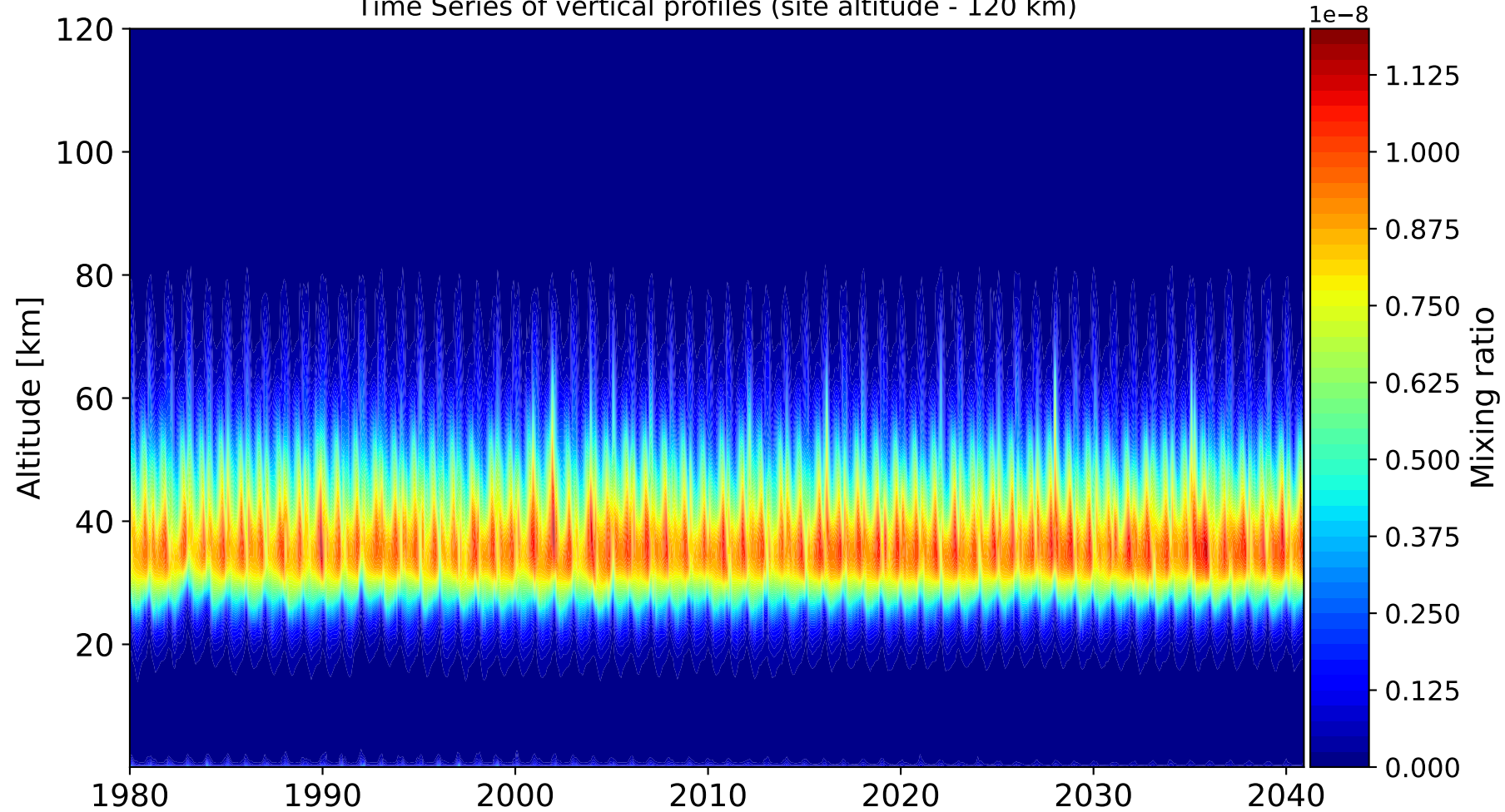
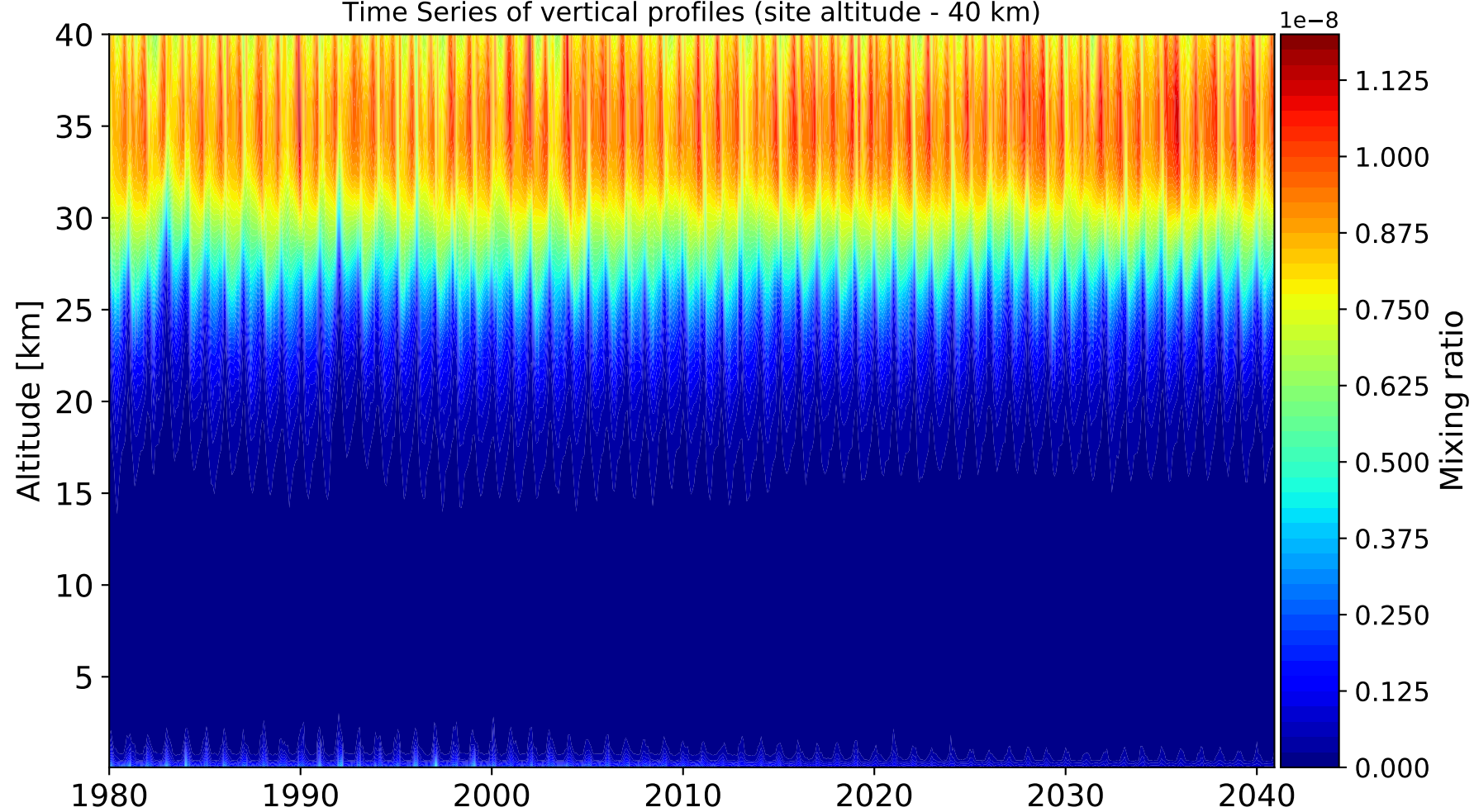


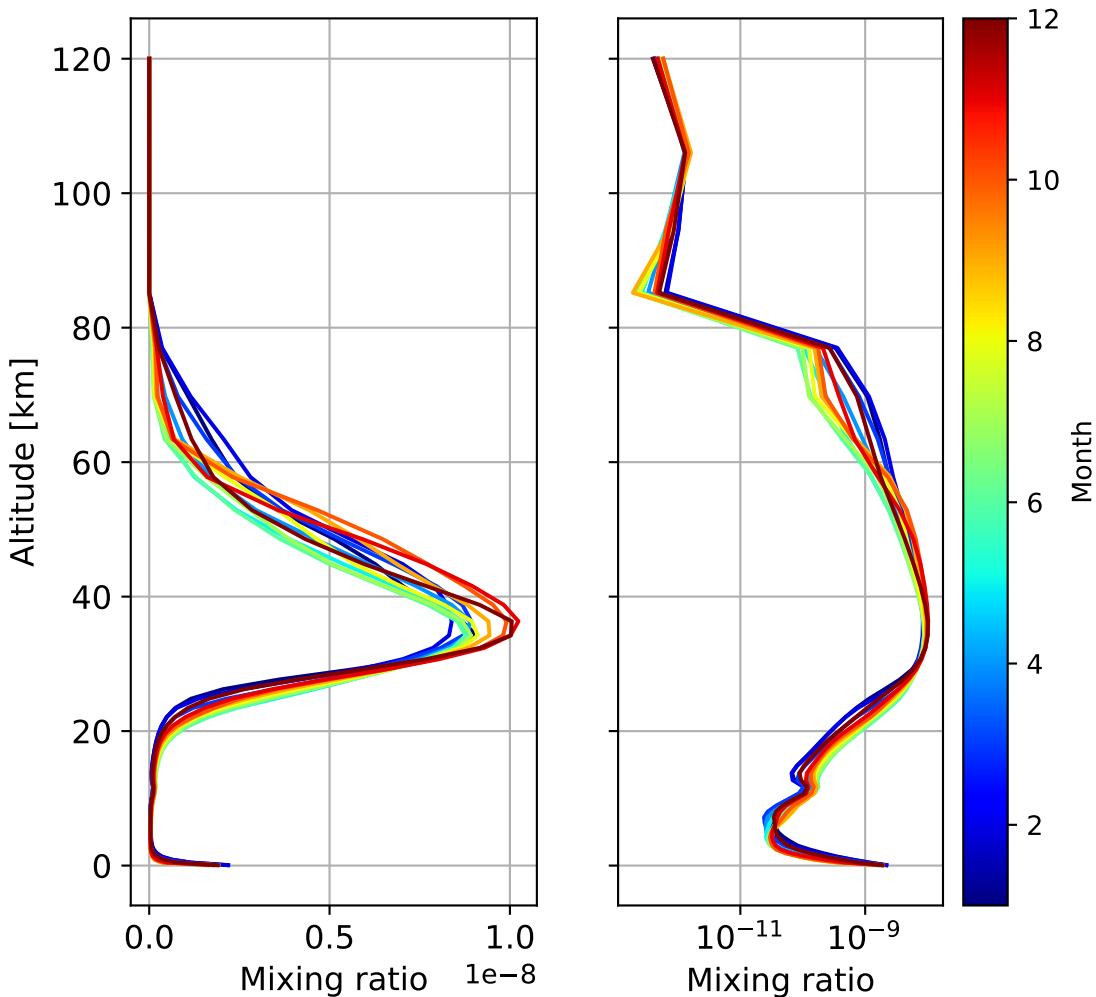
Time Series of vertical profiles (site altitude - 120 km)



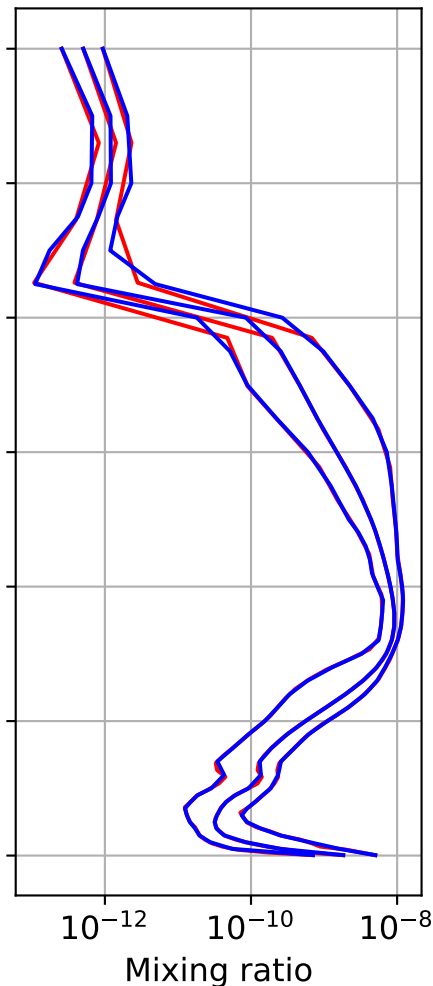
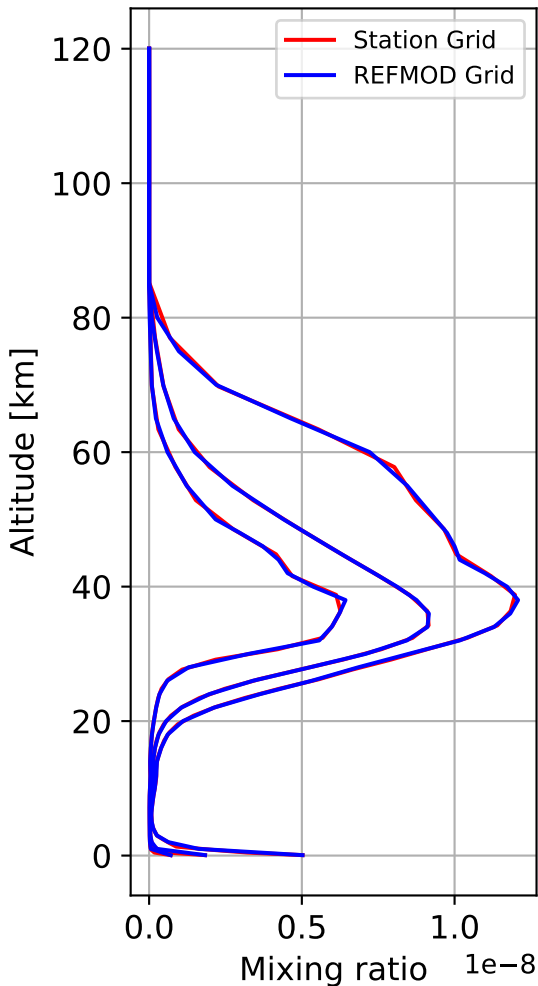
Time Series of vertical profiles (site altitude - 40 km)



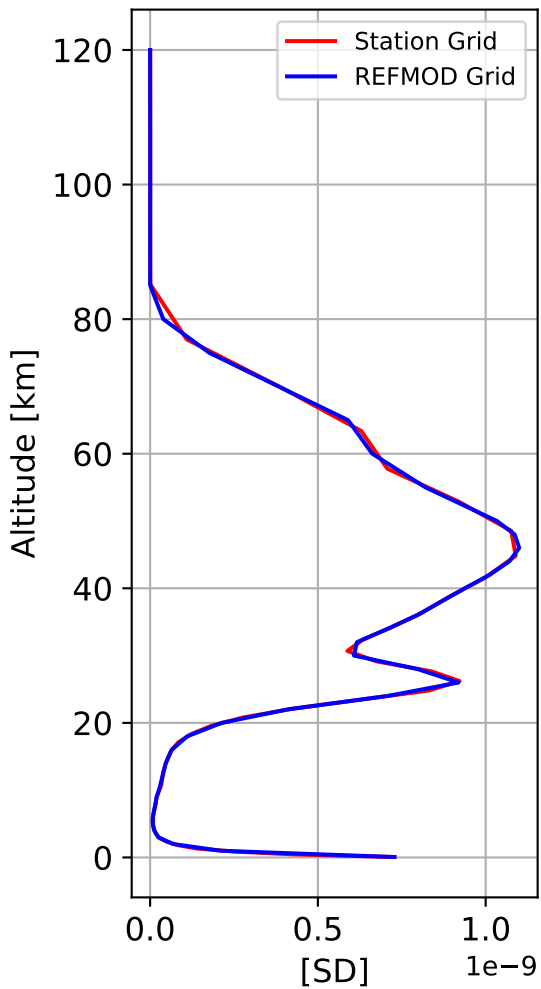
Monthly mean WACCM profile (interpolated to station grid) Halifax, 44.64N, 296.41E, 0.065kmasl



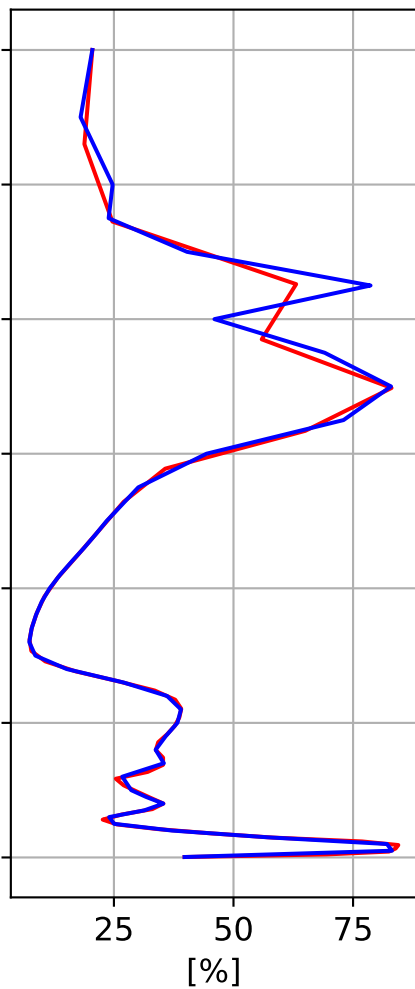
Min, Max, Mean of 732 profiles
Halifax, 44.64N, 296.41E, 0.065kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-18

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

Mixing ratio[~ 2]

1.2

1.0

0.8

0.6

0.4

0.2

0.0

-0.2

-0.4

