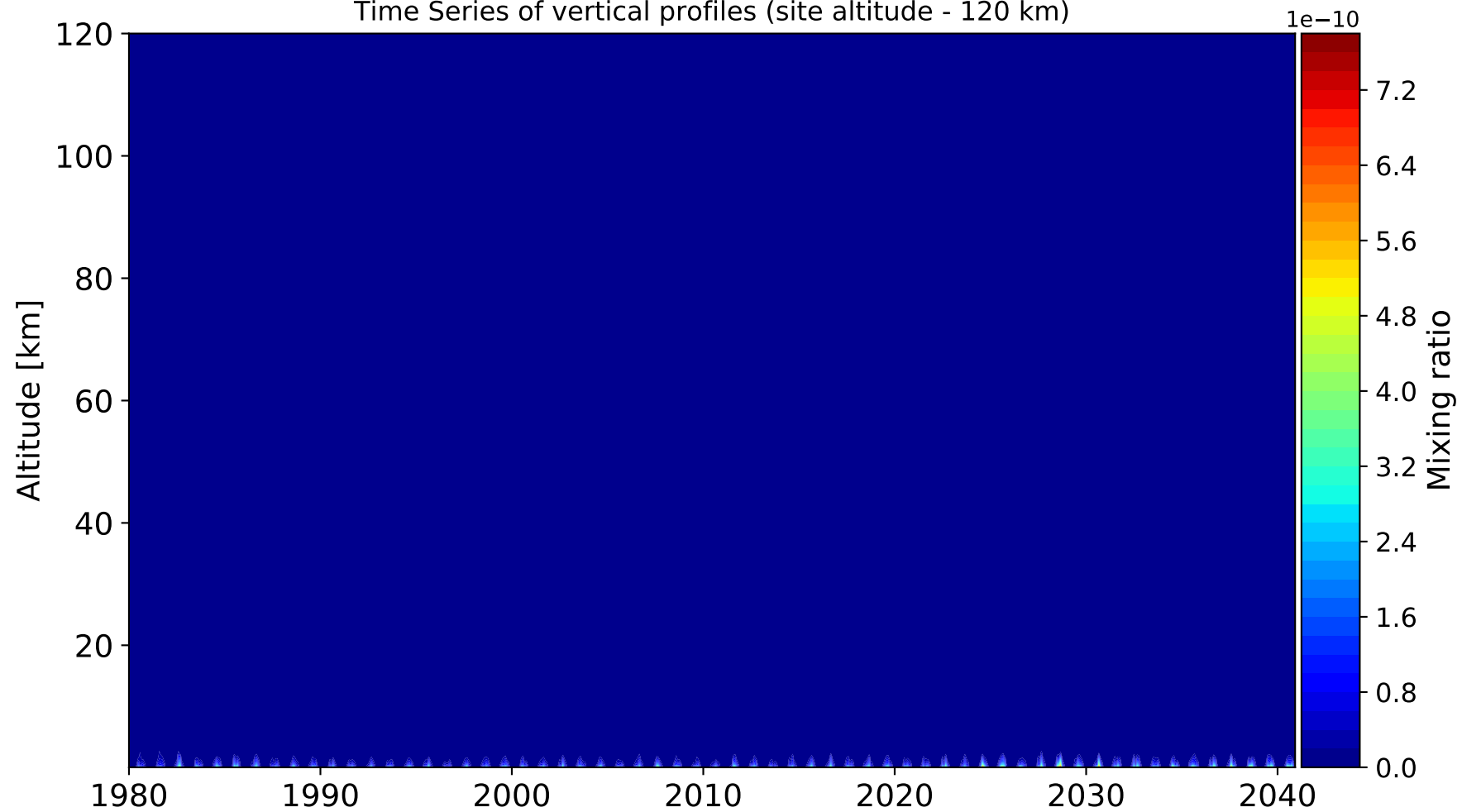


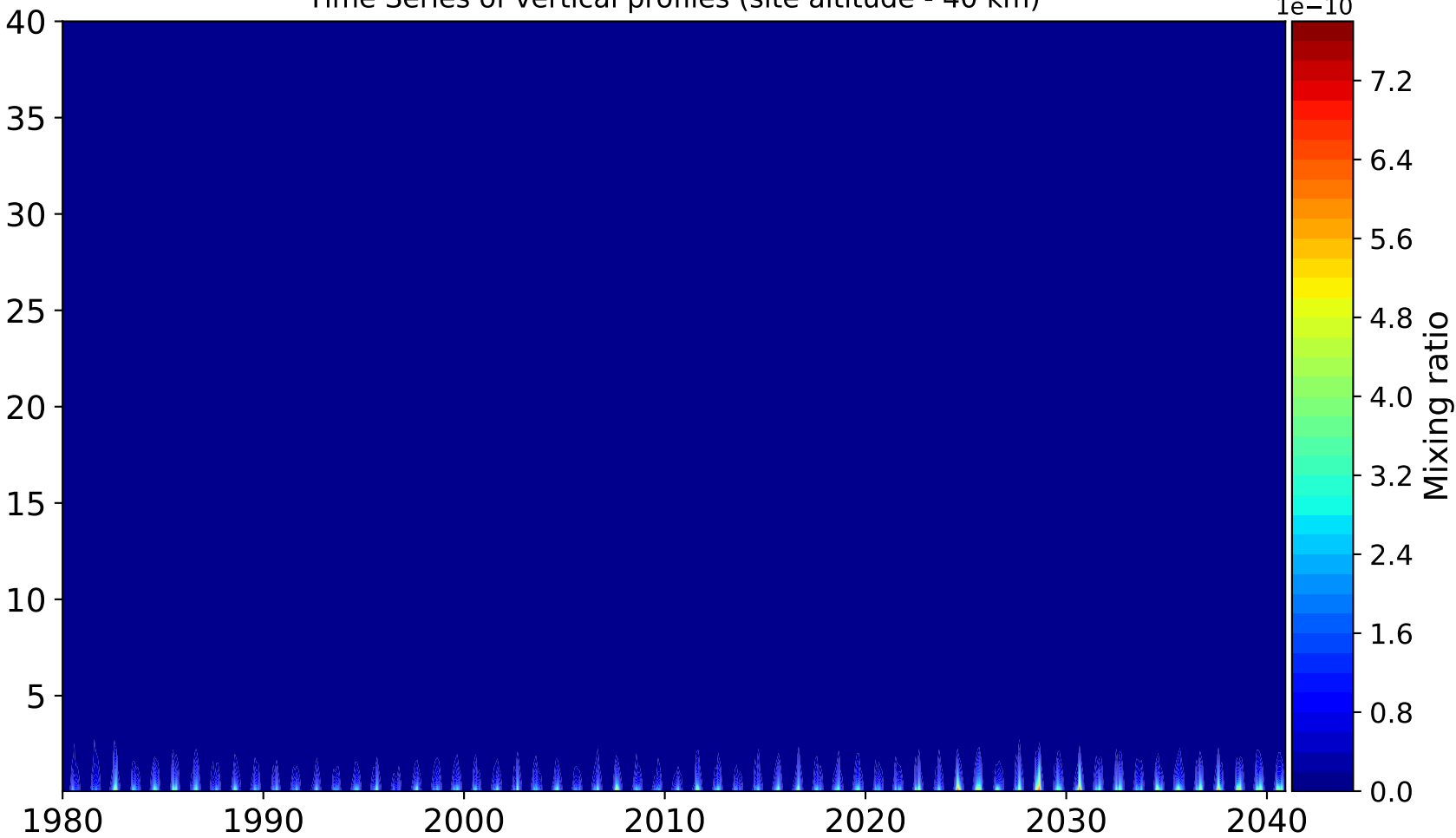
Time Series of vertical profiles (site altitude - 120 km)



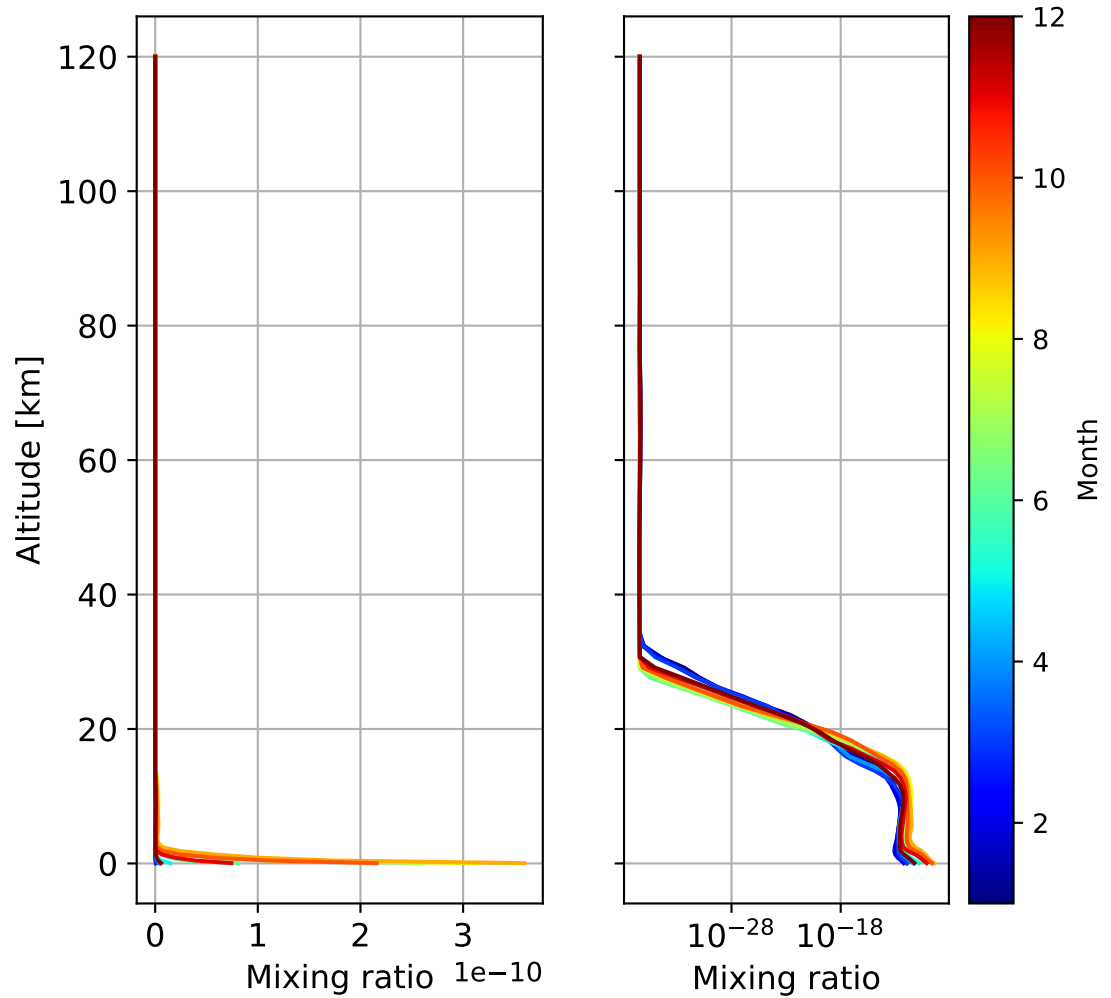
Time Series of vertical profiles (site altitude - 40 km)

1e-10

Altitude [km]

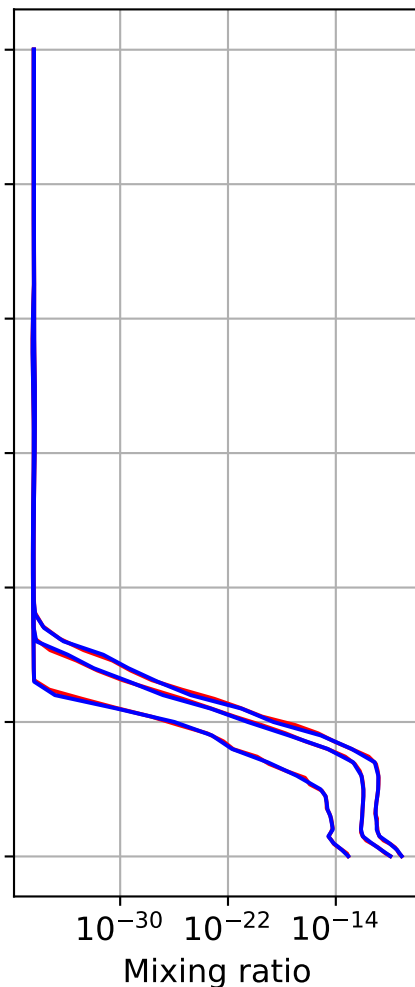
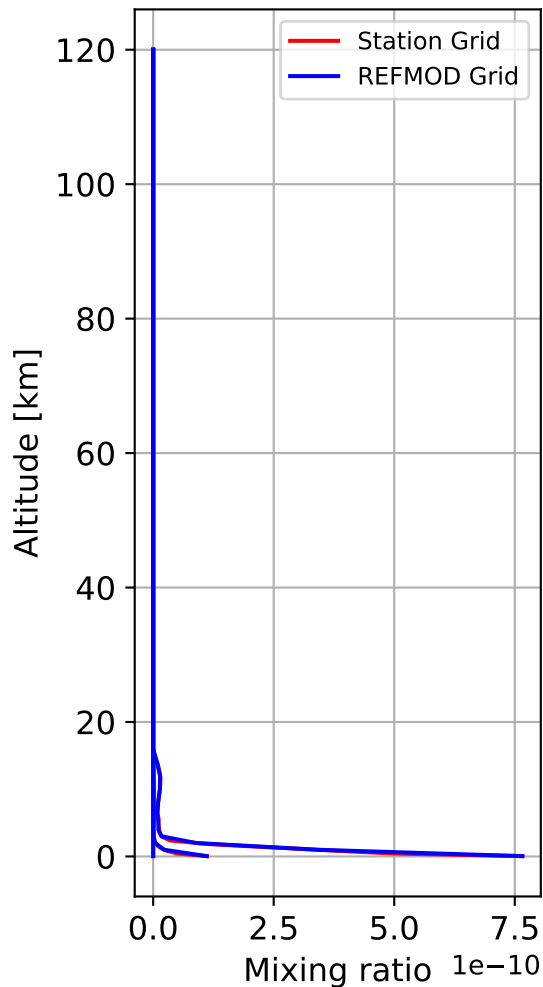


Monthly mean WACCM profile (interpolated to station grid)
Anmyeondo, 36.5382N, 126.3311E, 0.045700000000000005kmasl

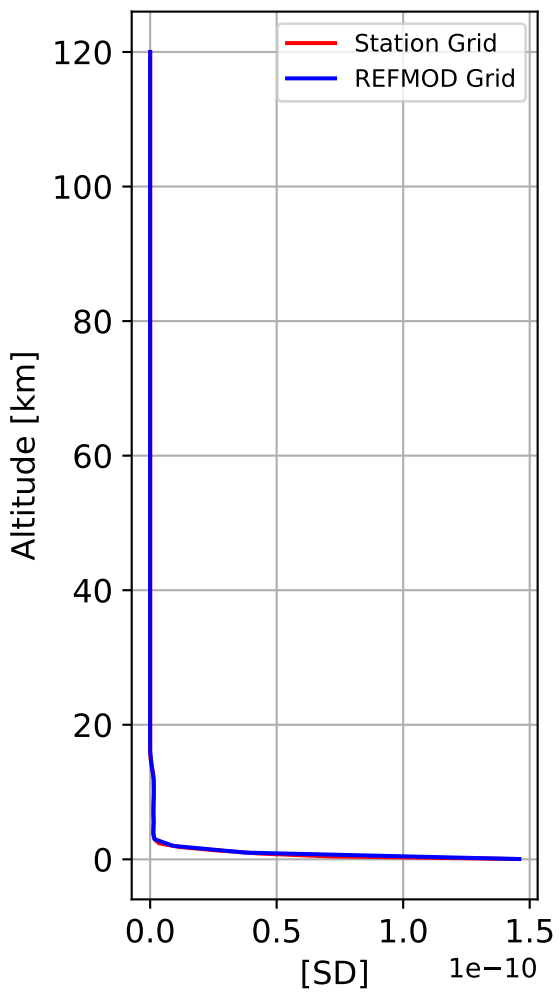


Min, Max, Mean of 732 profiles

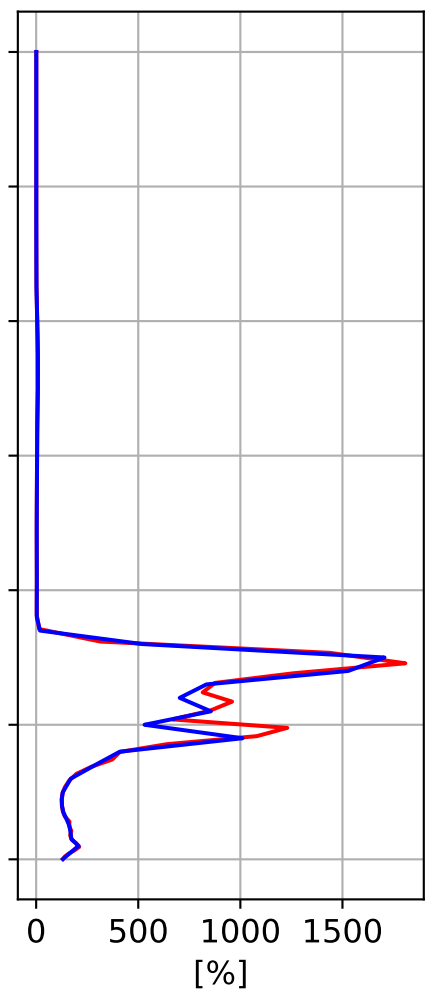
Anmyeondo, 36.5382N, 126.3311E, 0.045700000000000005kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

 $1e-20$

Altitude [km]

120
100
80
60
40
20

20

Altitude [km]

40

60

80

100

120

2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00Mixing ratio[~ 2]