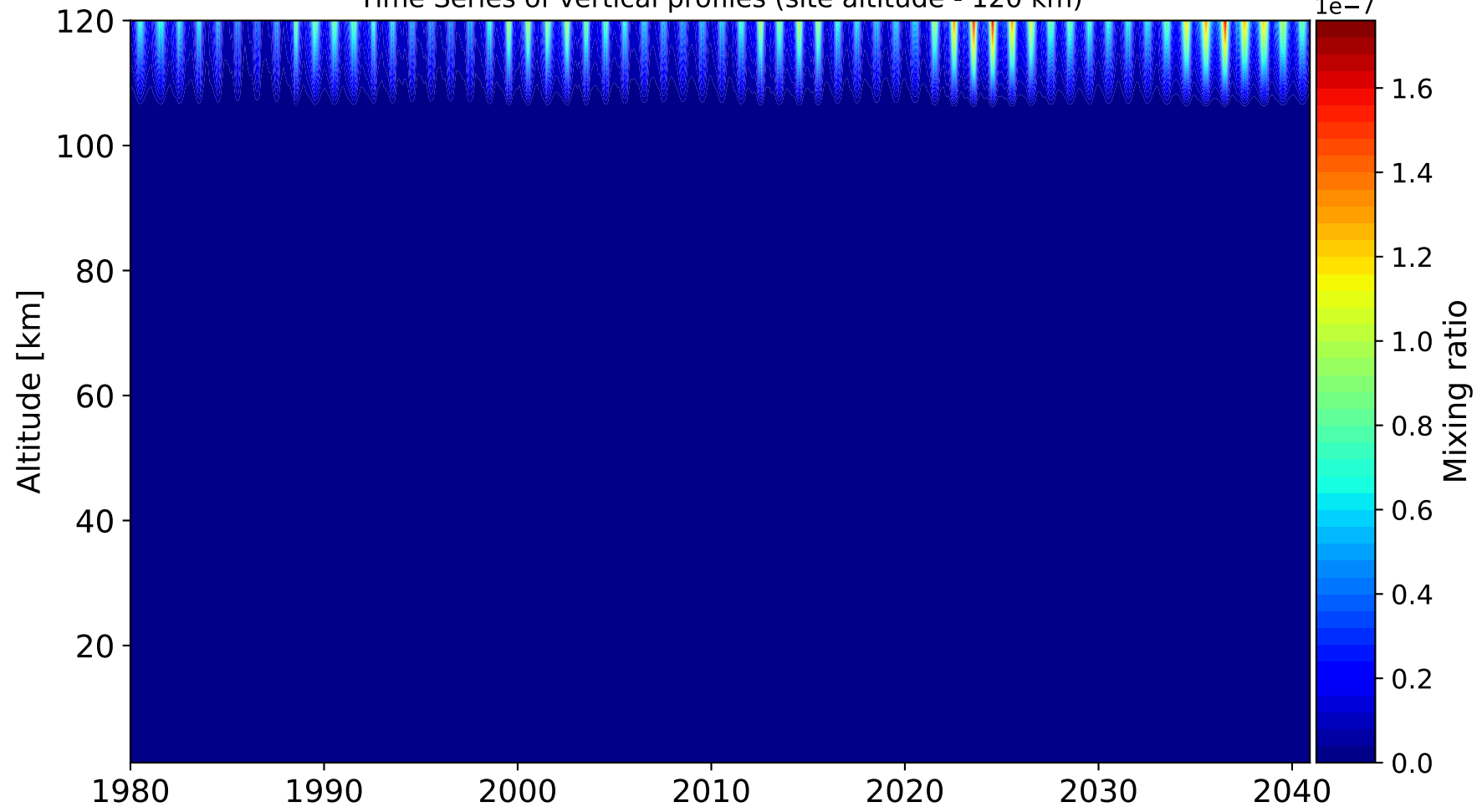
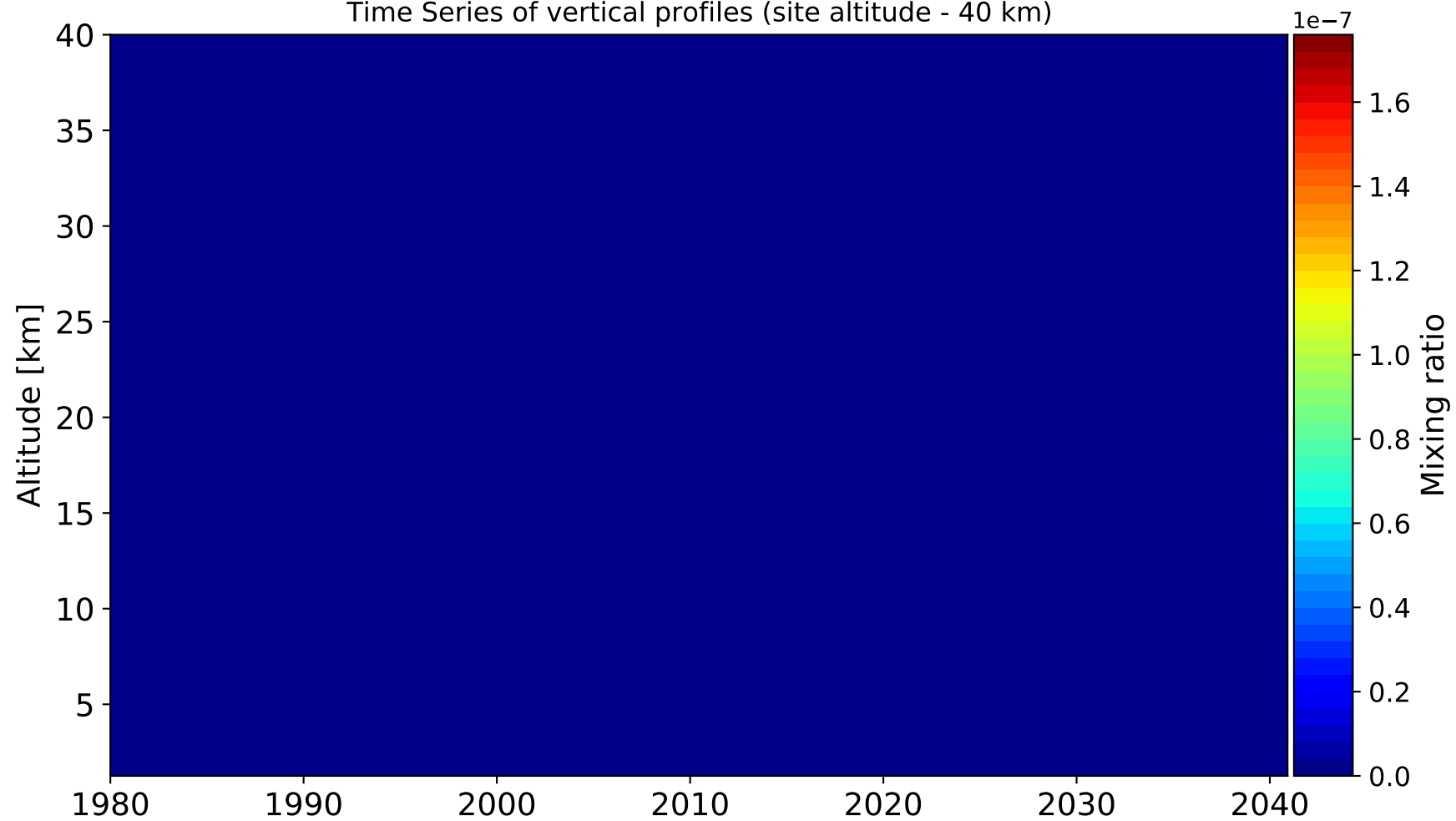


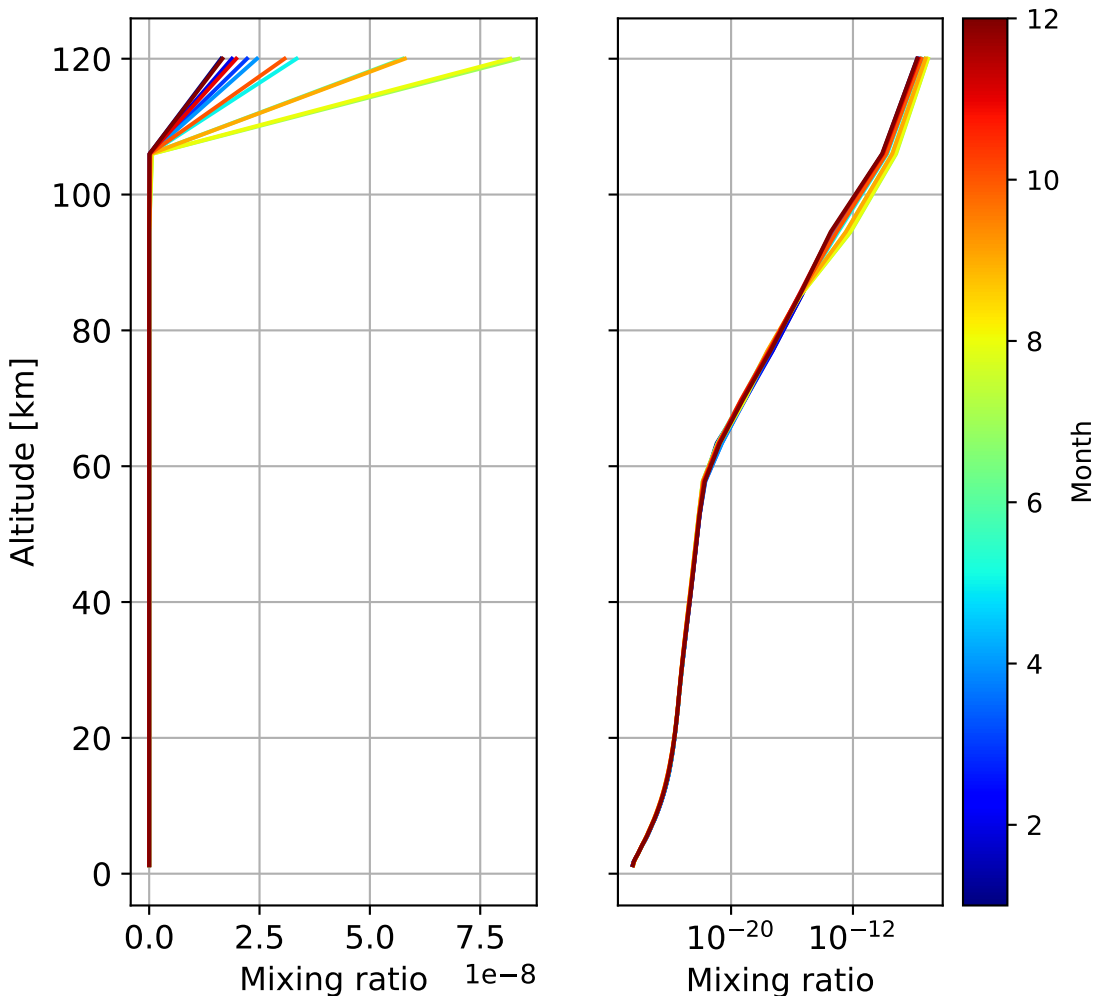
Time Series of vertical profiles (site altitude - 120 km)



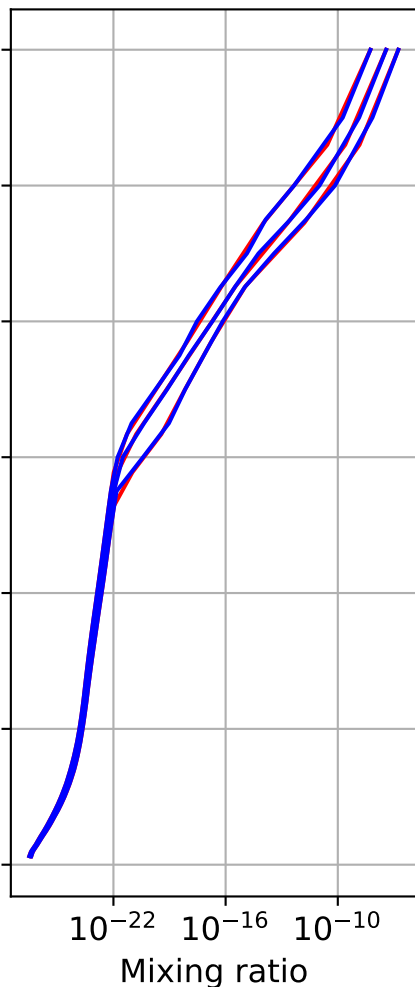
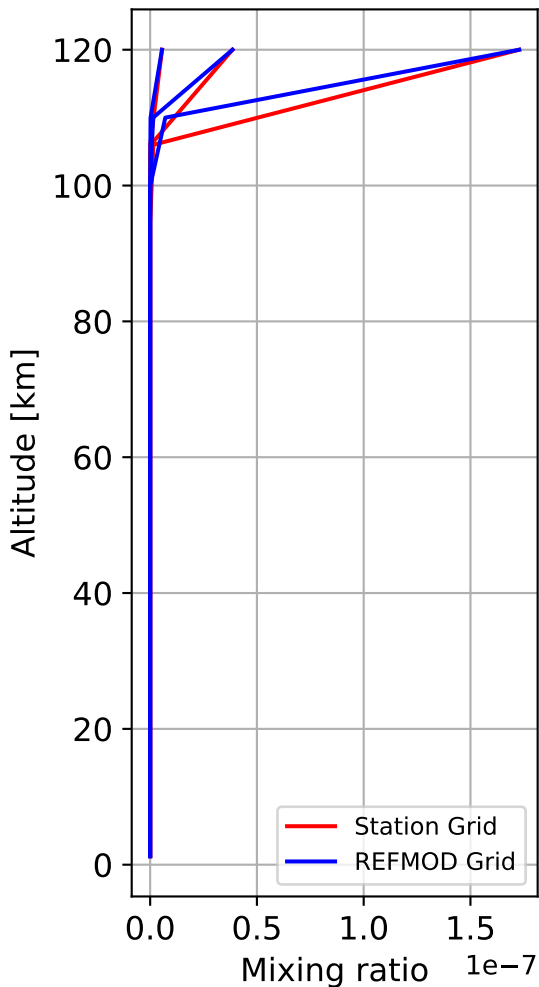
Time Series of vertical profiles (site altitude - 40 km)



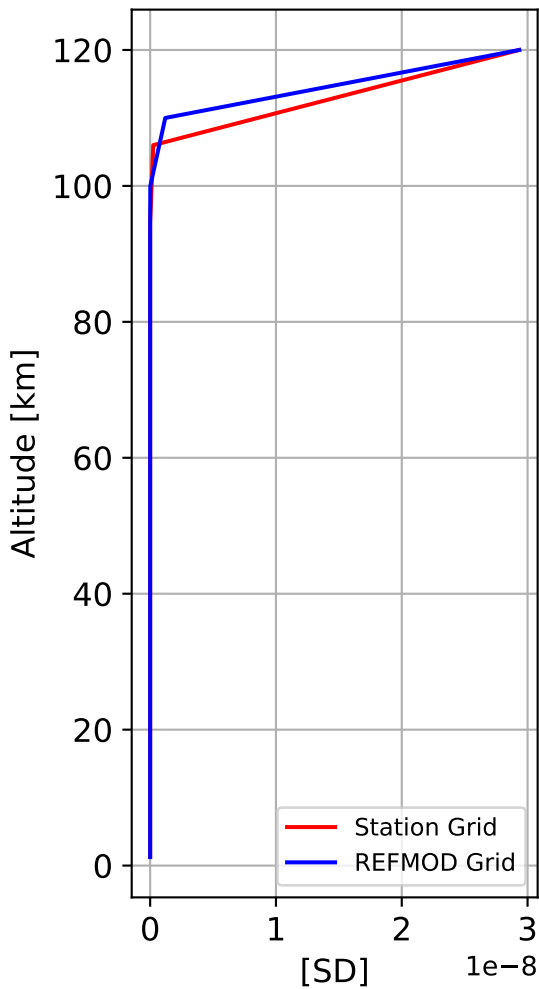
Monthly mean WACCM profile (interpolated to station grid) FtSumner, 34.48N, 255.78E, 1.26kmasl



Min, Max, Mean of 732 profiles
FtSumner, 34.48N, 255.78E, 1.26kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-16

Altitude [km]

120
100
80
60
40
20

20

40

Altitude [km]

80

100

120

8
7
6
5
4
3
2
1
0Mixing ratio[~ 2]