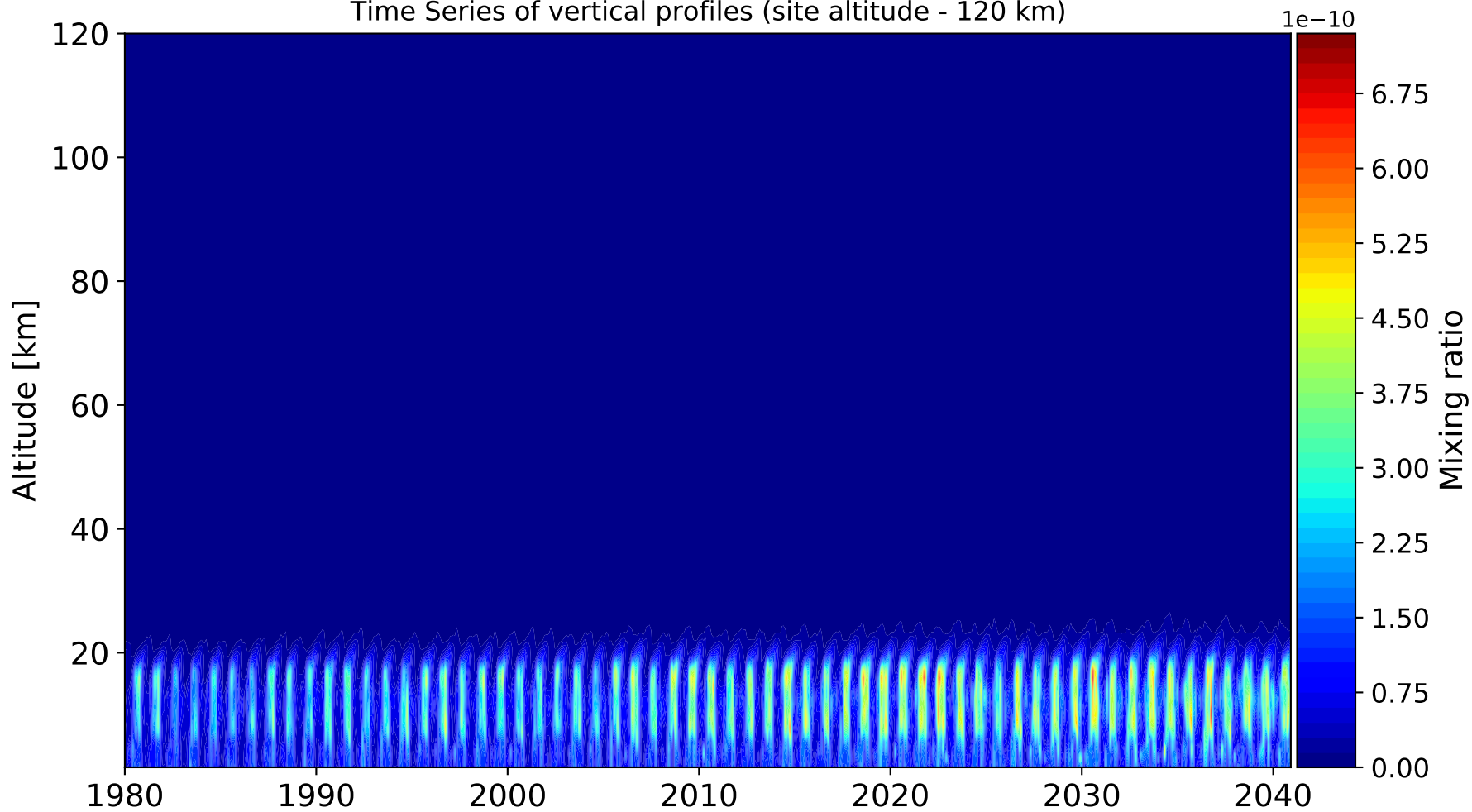
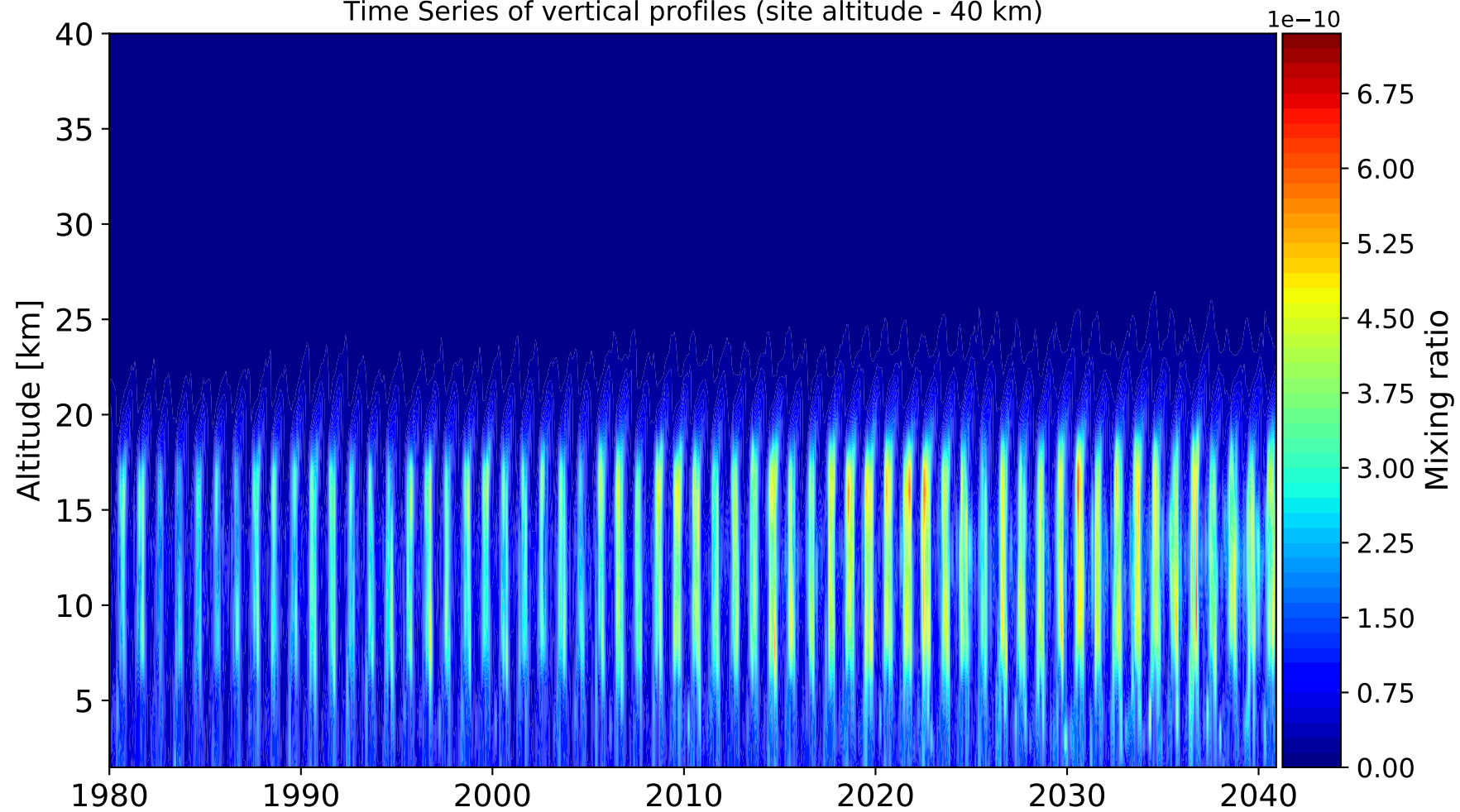


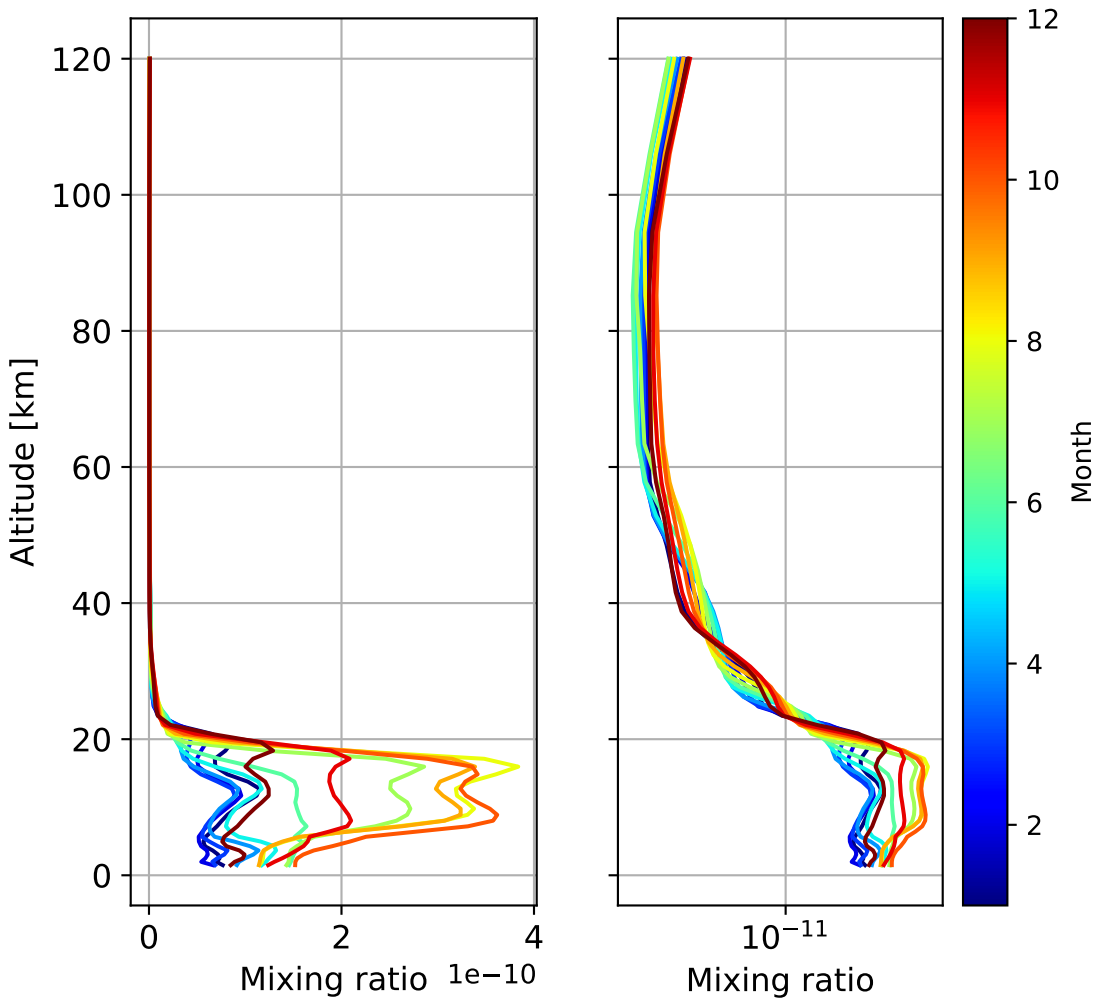
Time Series of vertical profiles (site altitude - 120 km)



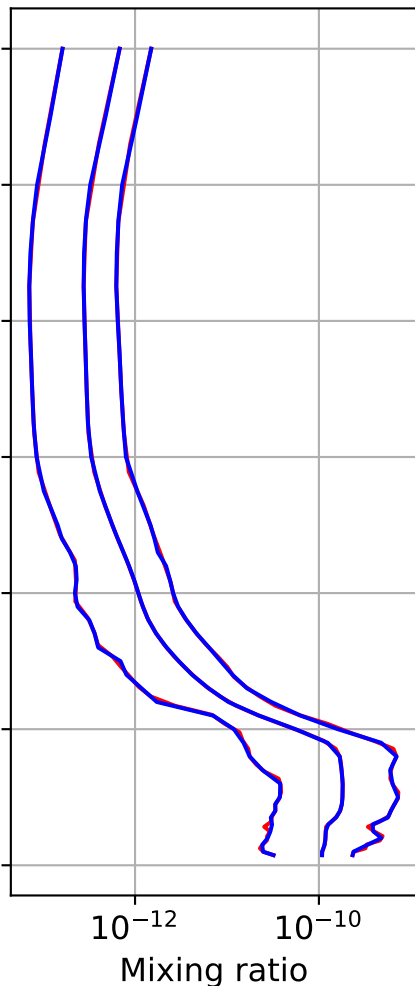
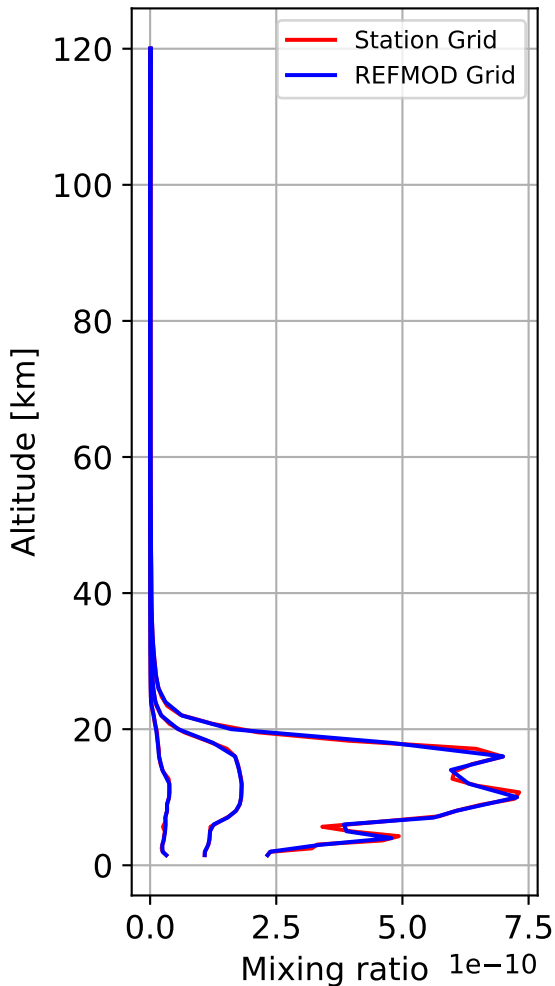
Time Series of vertical profiles (site altitude - 40 km)



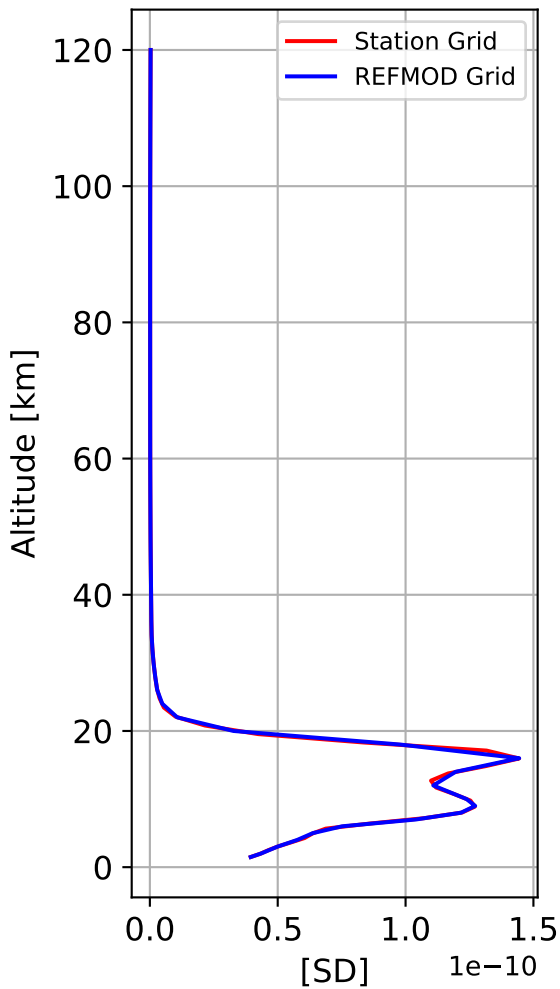
Monthly mean WACCM profile (interpolated to station grid) Harare, 17.83N, 31.05E, 1.49kmasl



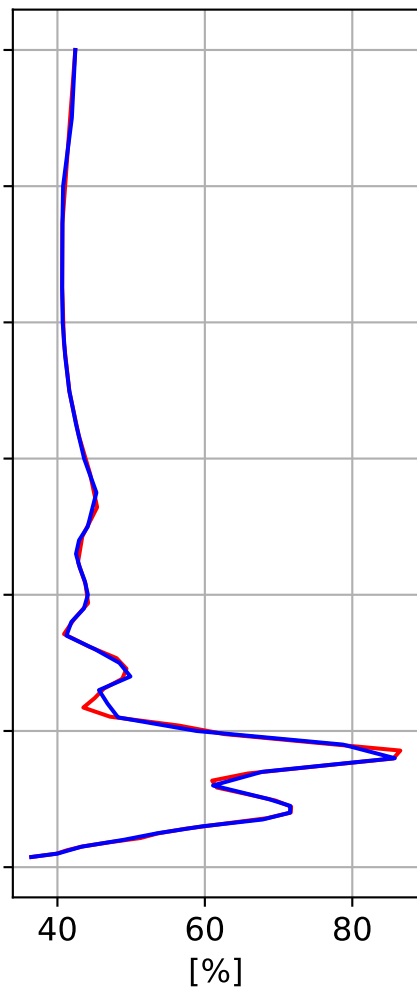
Min, Max, Mean of 732 profiles
Harare, 17.83N, 31.05E, 1.49kmasl



Std. Deviation



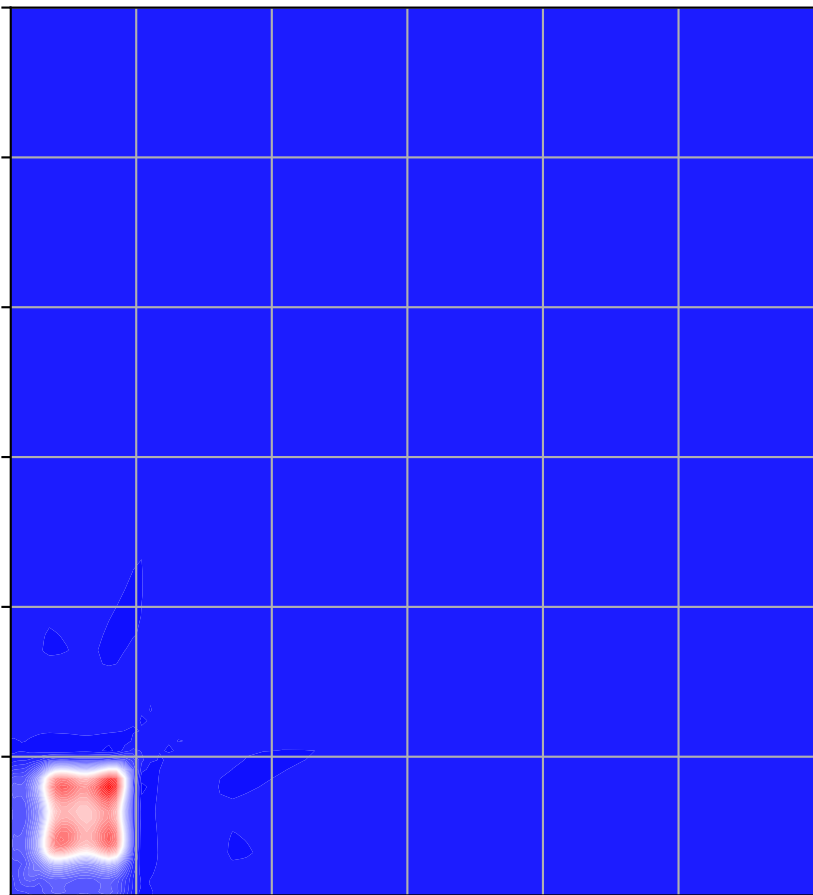
Percent Deviation



Level covariance matrix

 $1e-20$

Altitude [km]

120
100
80
60
40
20

Altitude [km]

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