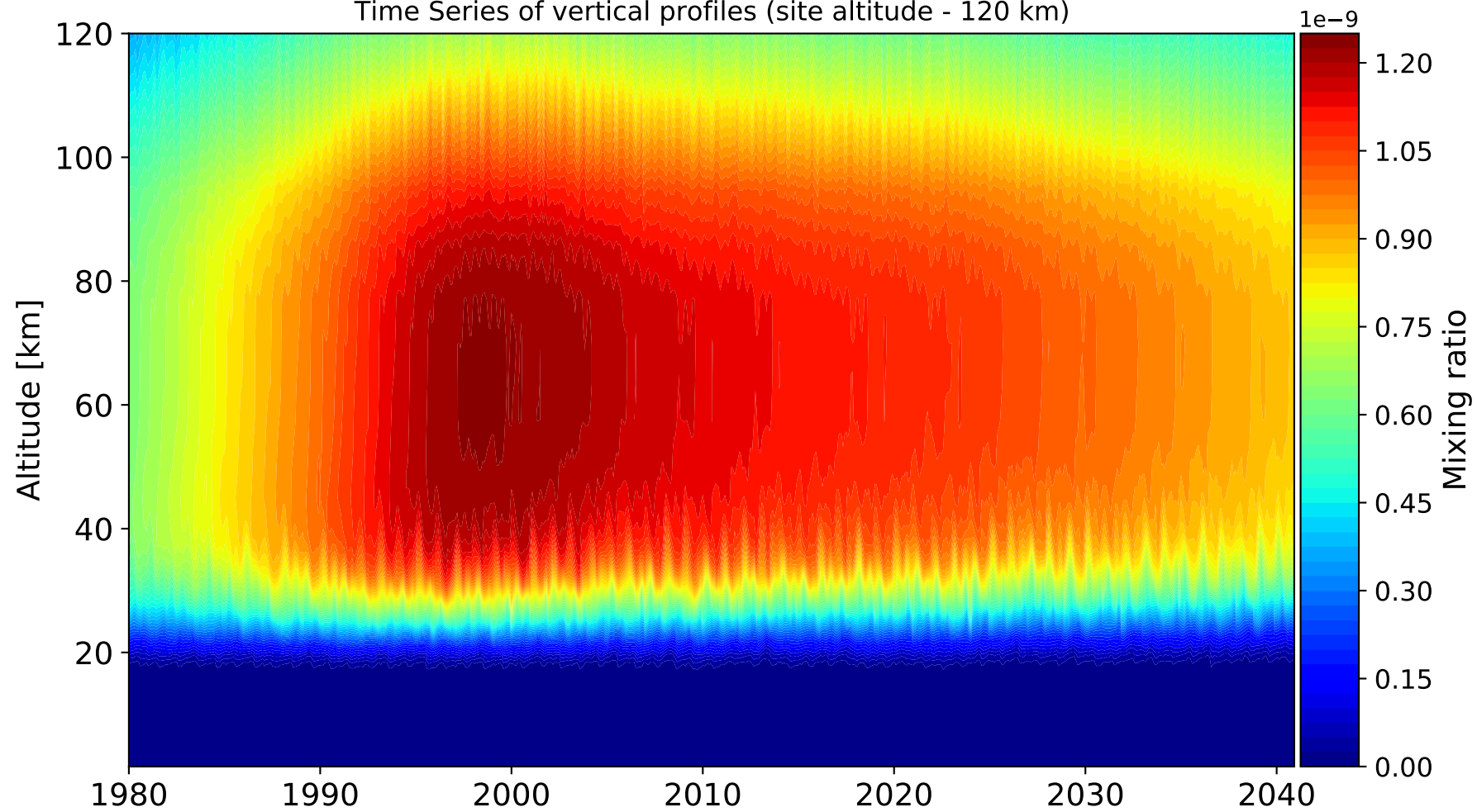
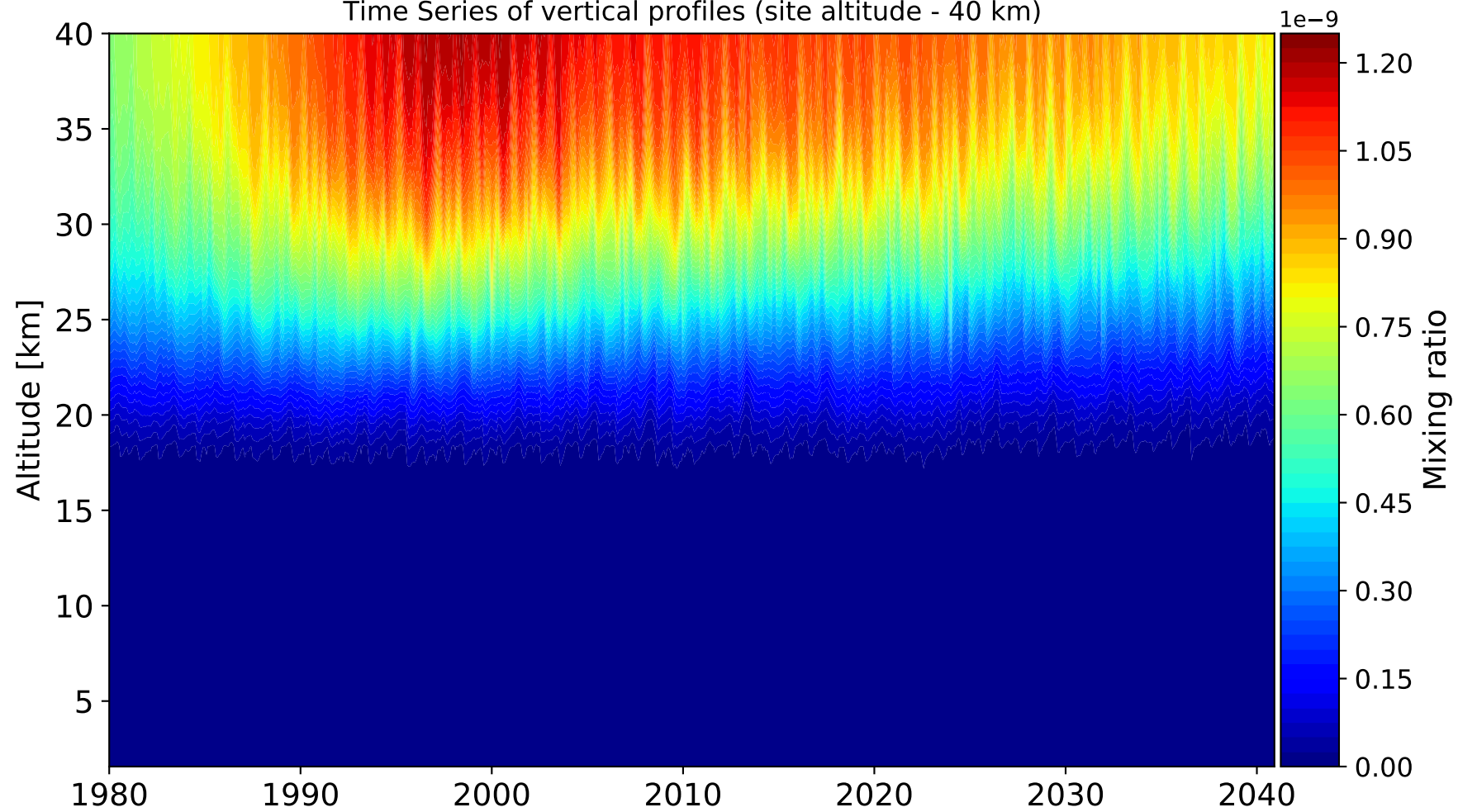


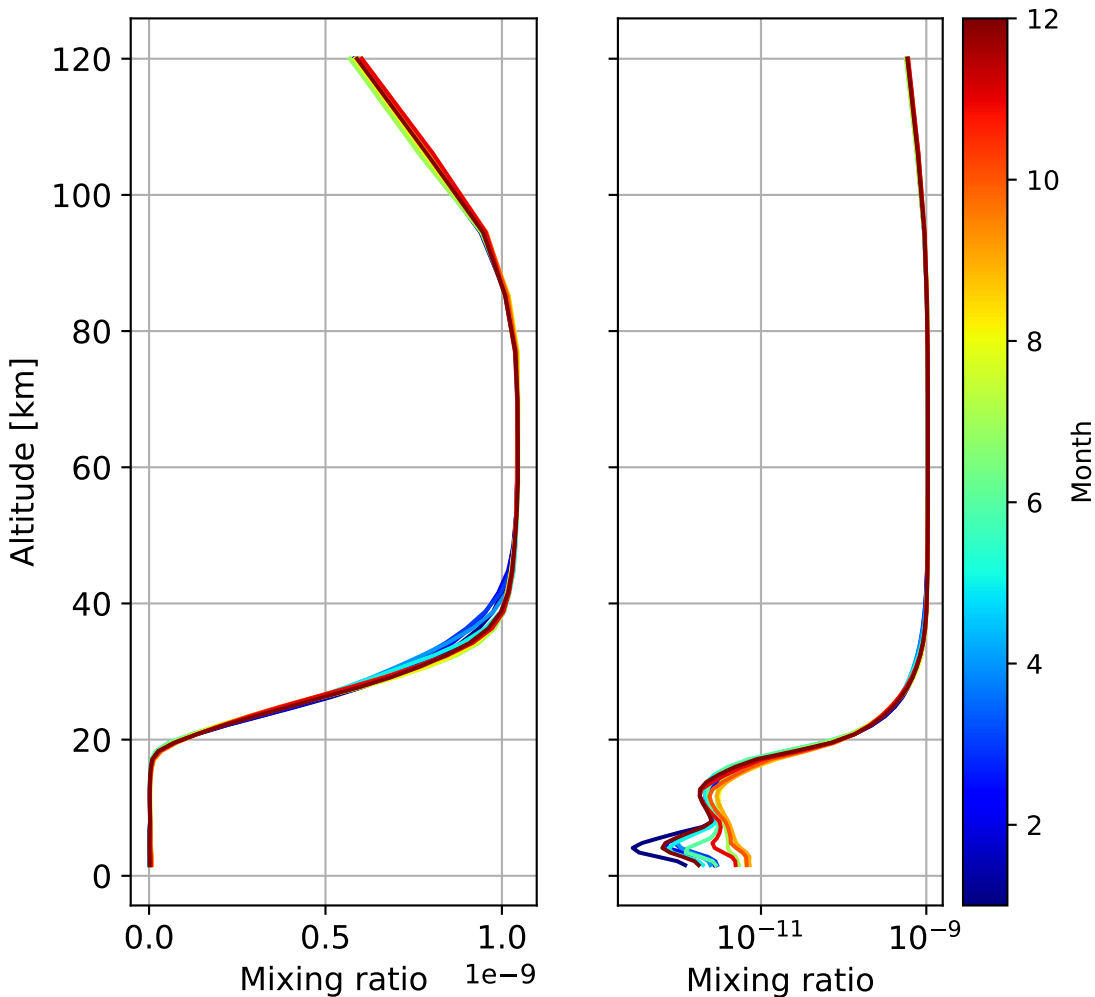
Time Series of vertical profiles (site altitude - 120 km)



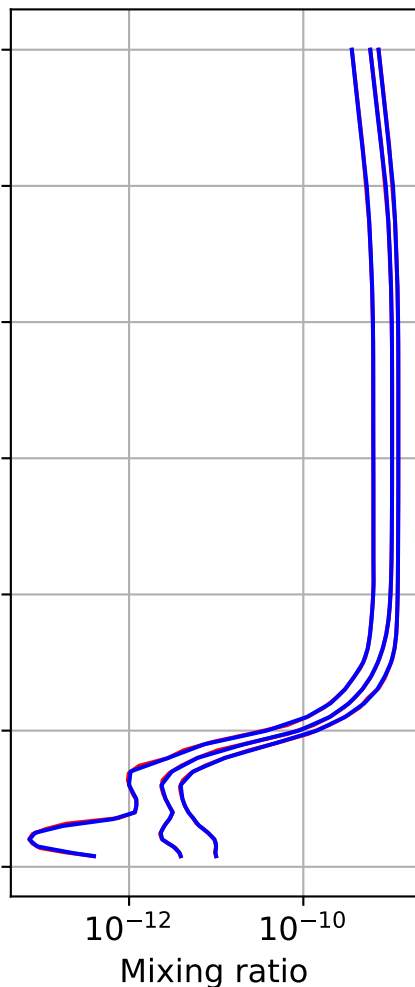
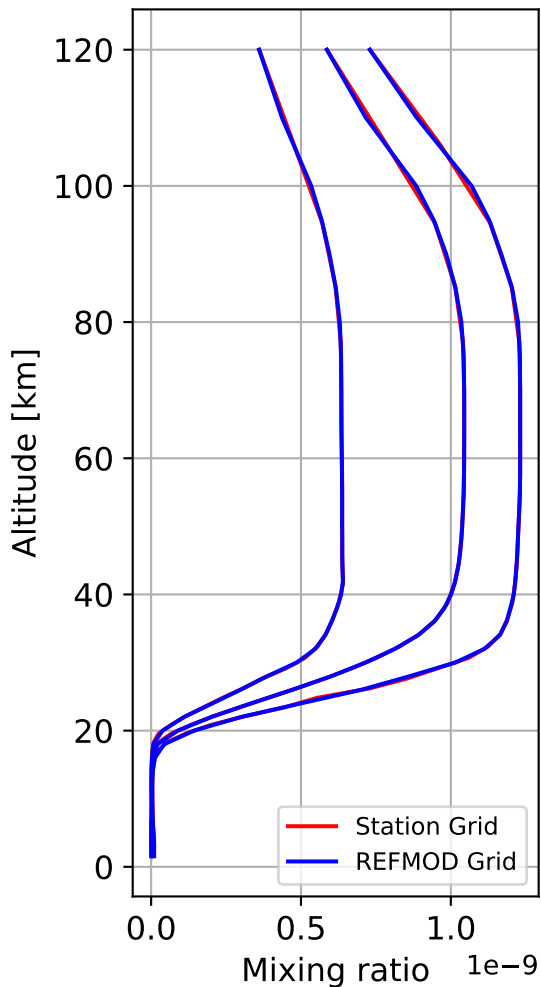
Time Series of vertical profiles (site altitude - 40 km)



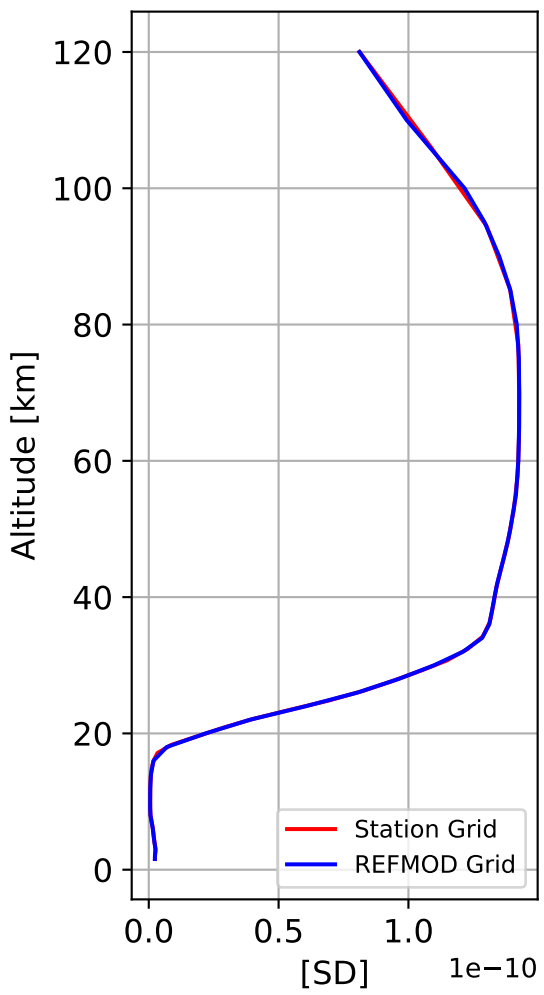
Monthly mean WACCM profile (interpolated to station grid)
Kigali, -1.94N, 30.06E, 1.567kmasl



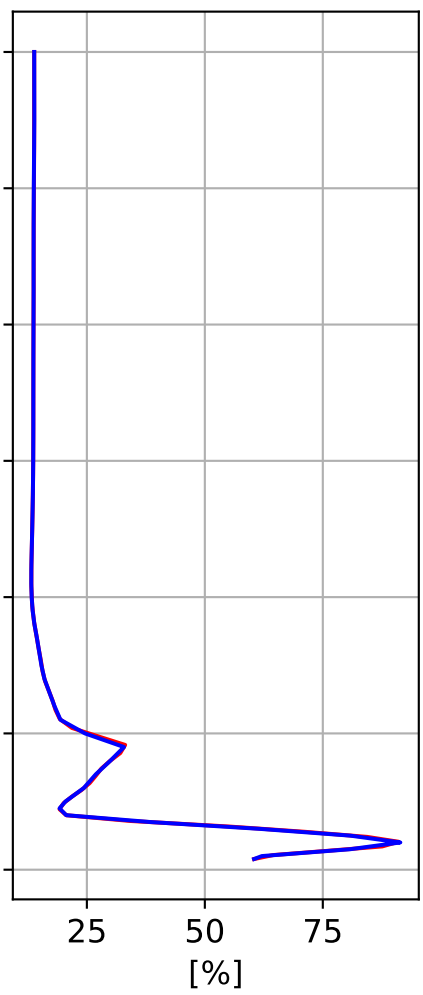
Min, Max, Mean of 732 profiles
Kigali, -1.94N, 30.06E, 1.567kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120
100
80
60
40
20

20 40 60 80 100 120

Altitude [km]

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