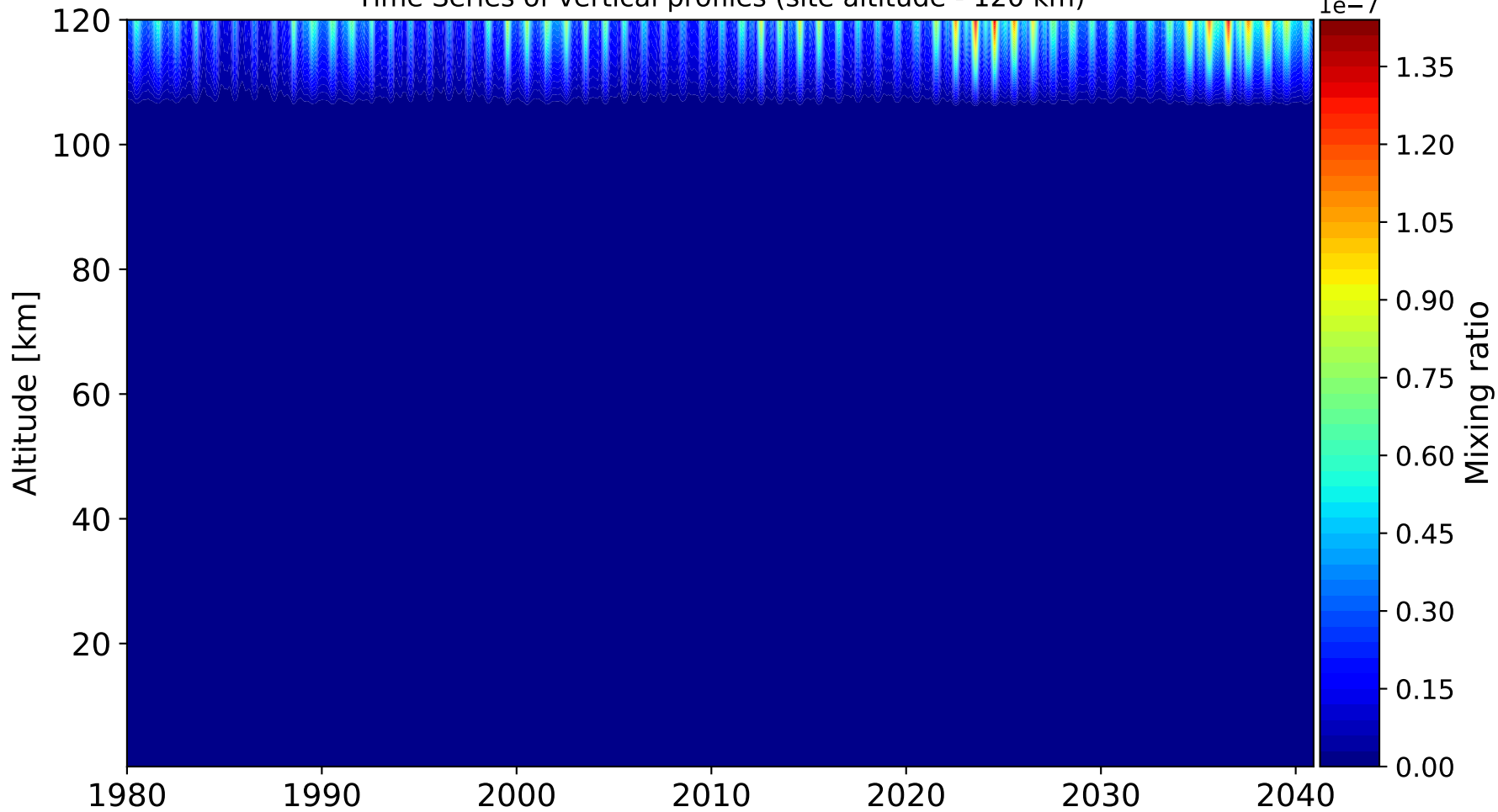
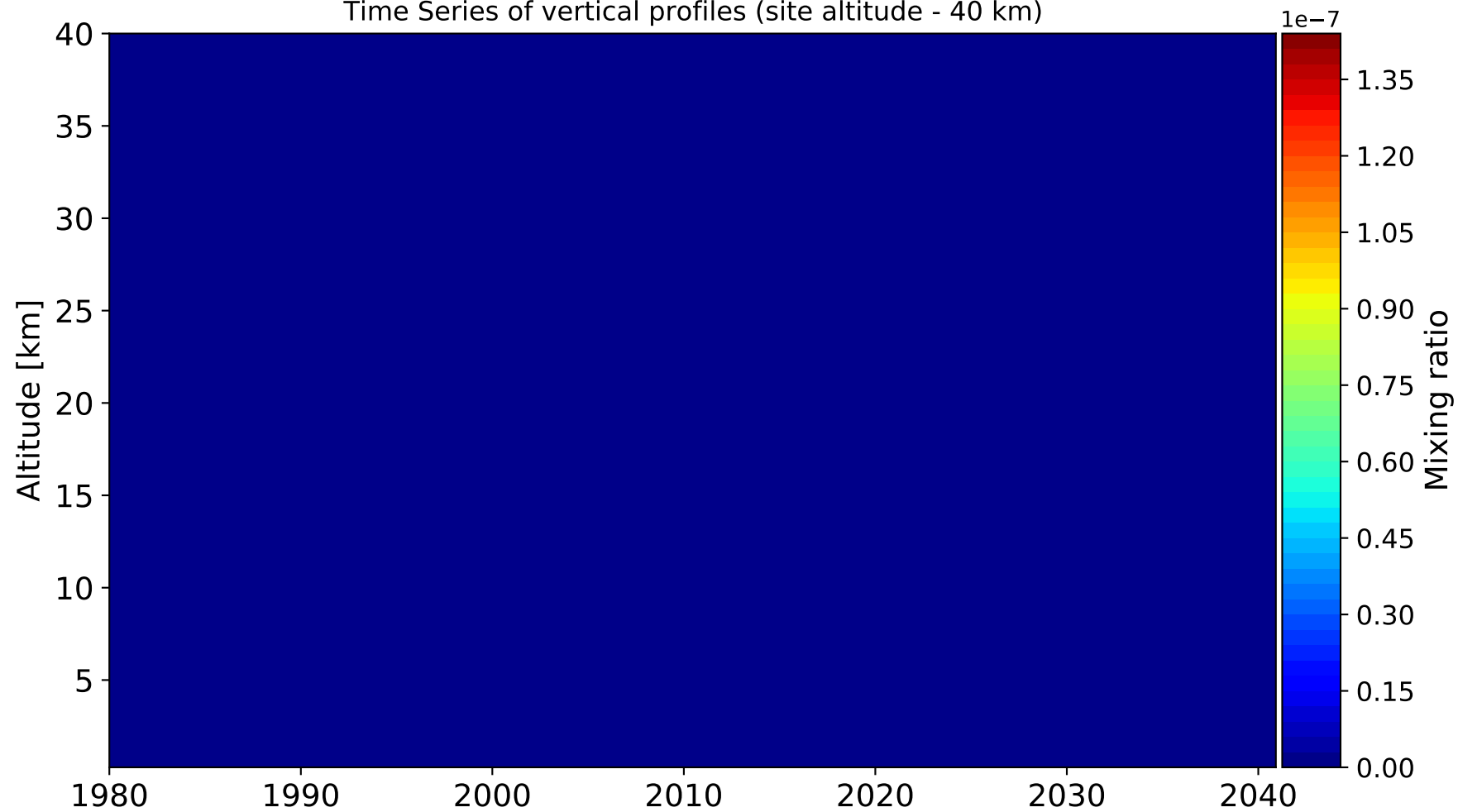


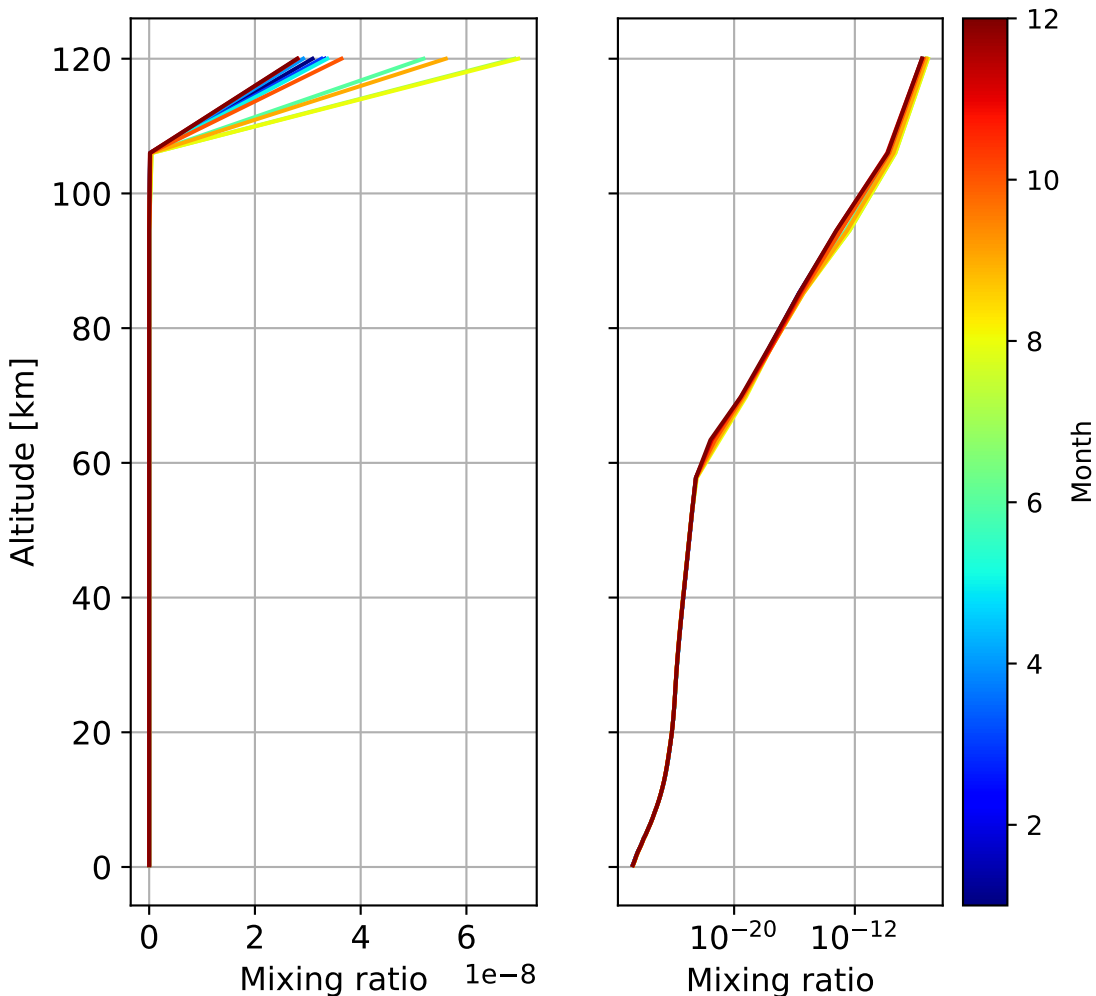
Time Series of vertical profiles (site altitude - 120 km)



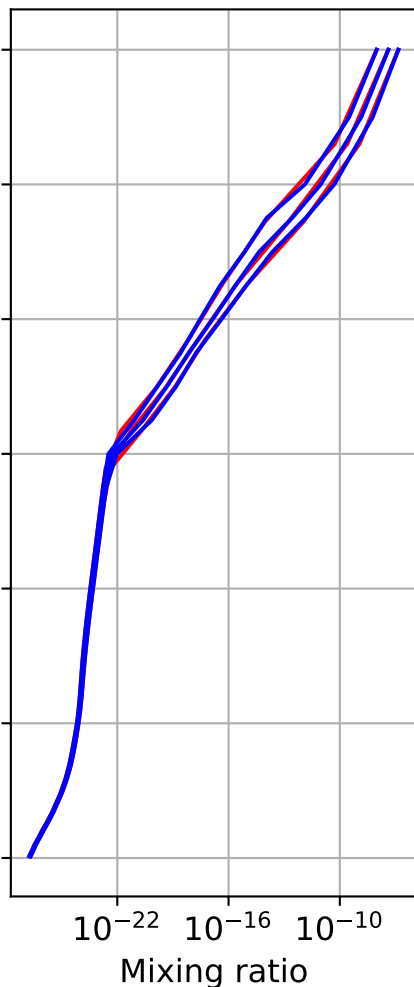
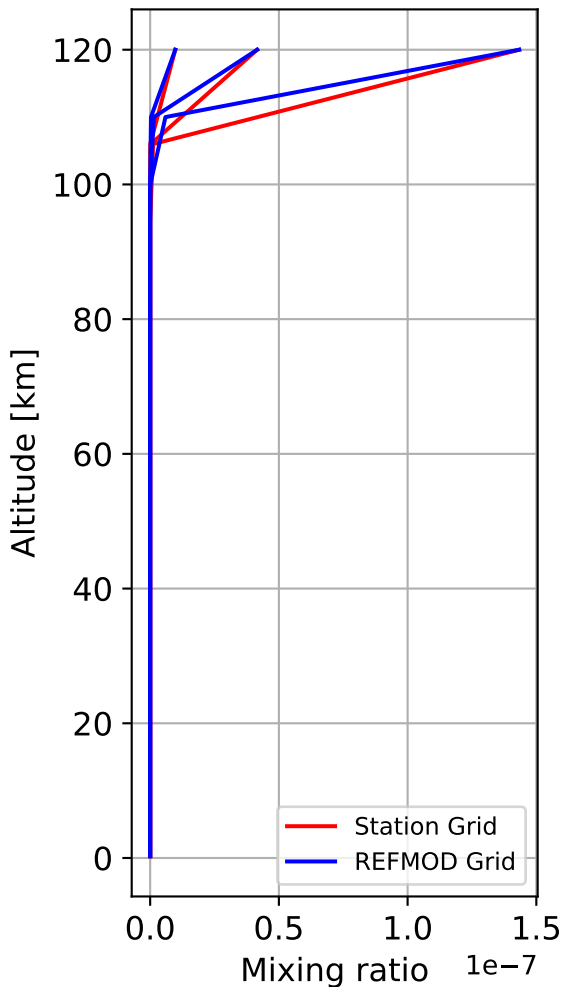
Time Series of vertical profiles (site altitude - 40 km)



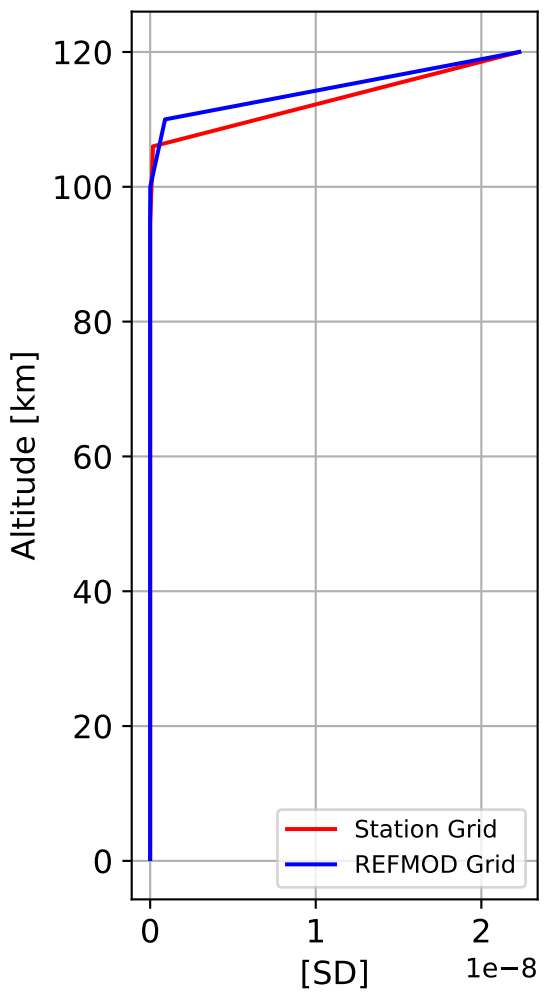
Monthly mean WACCM profile (interpolated to station grid) Calakmul, 18.5955N, 89.4141E, 0.275kmasl



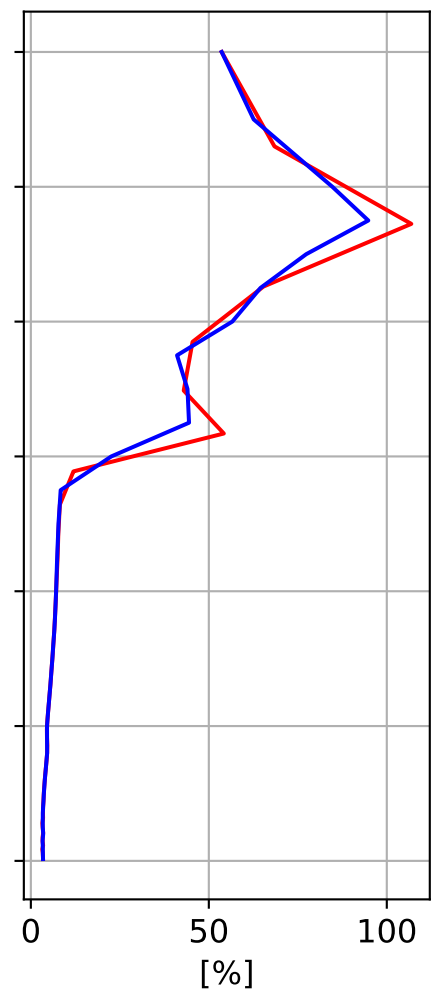
Min, Max, Mean of 732 profiles
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-16

Altitude [km]

120
100
80
60
40
20

20

Altitude [km]

40

60

80

100

120

4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6
0.0Mixing ratio²