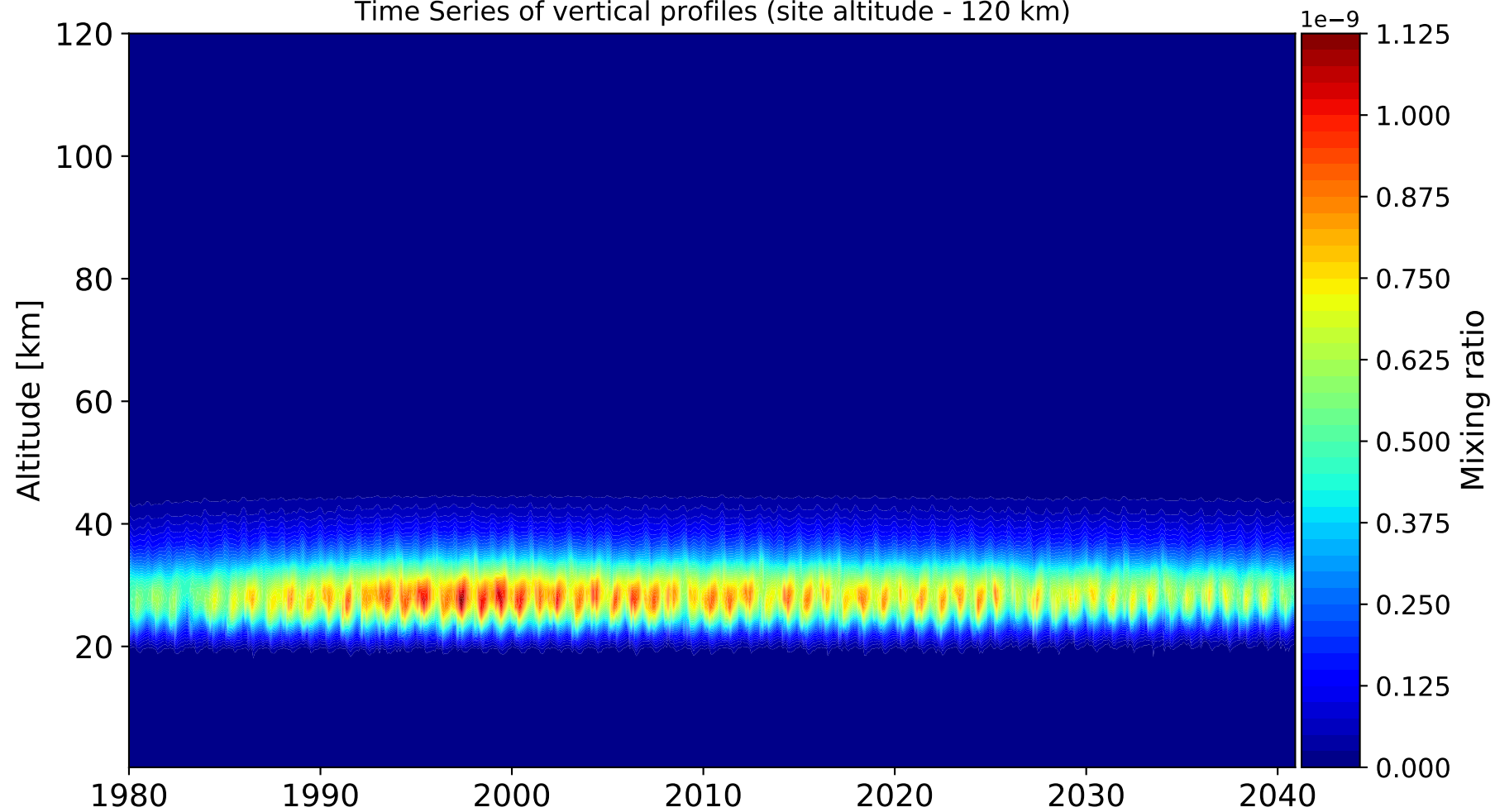
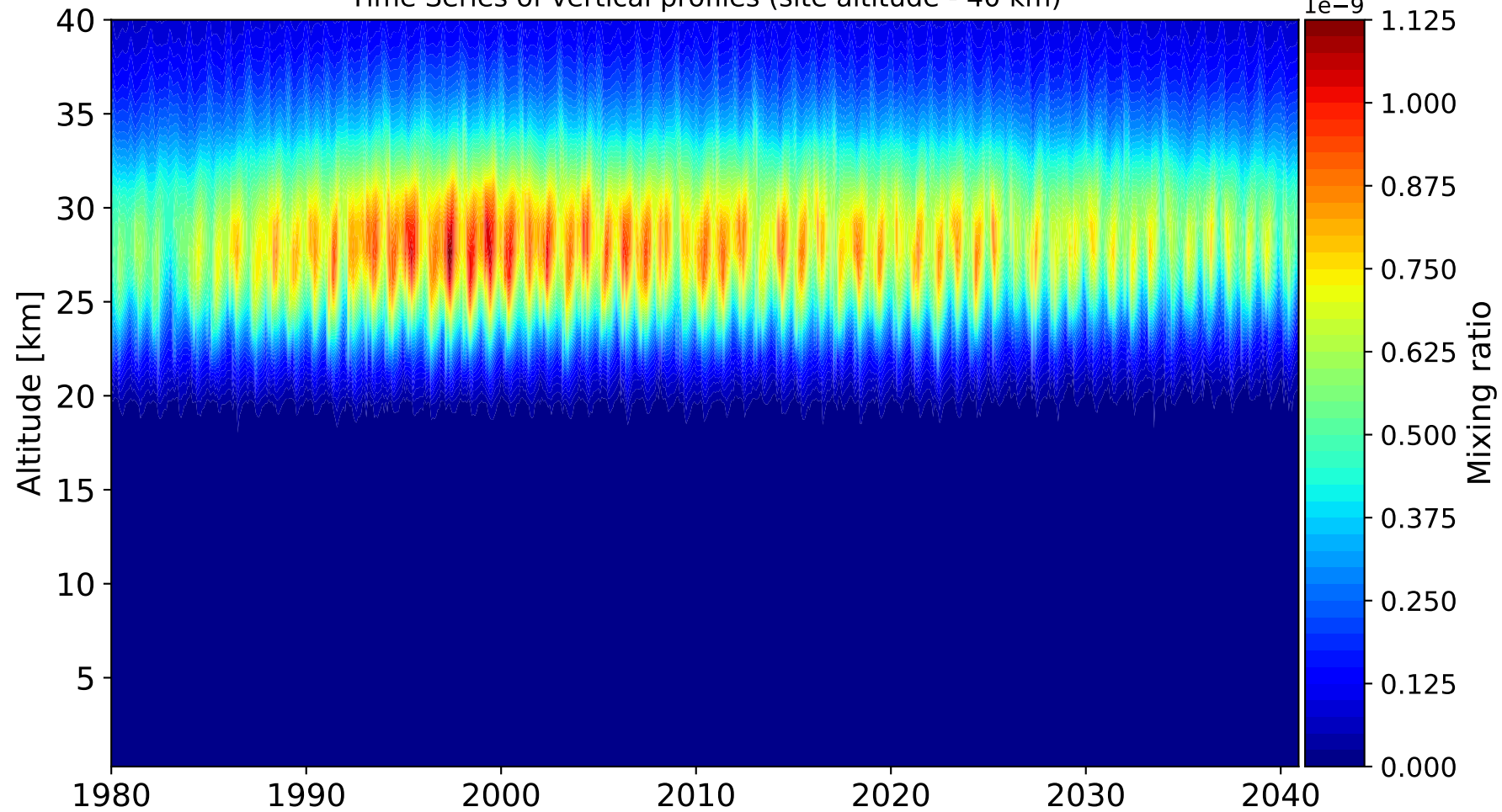


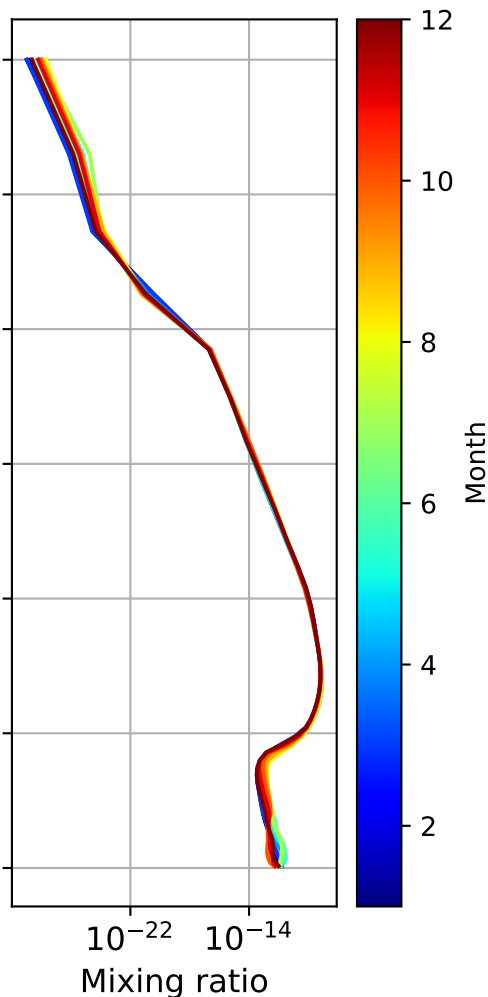
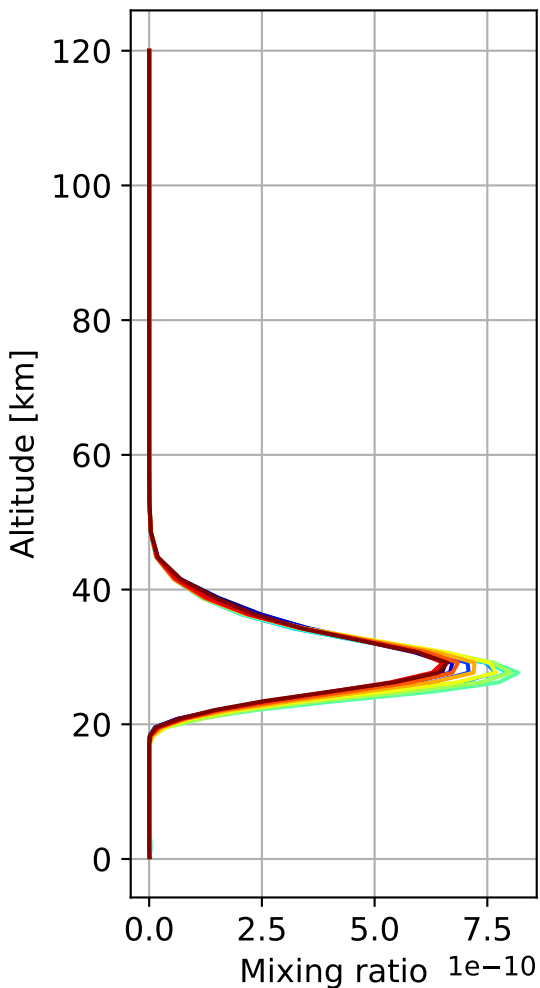
Time Series of vertical profiles (site altitude - 120 km)



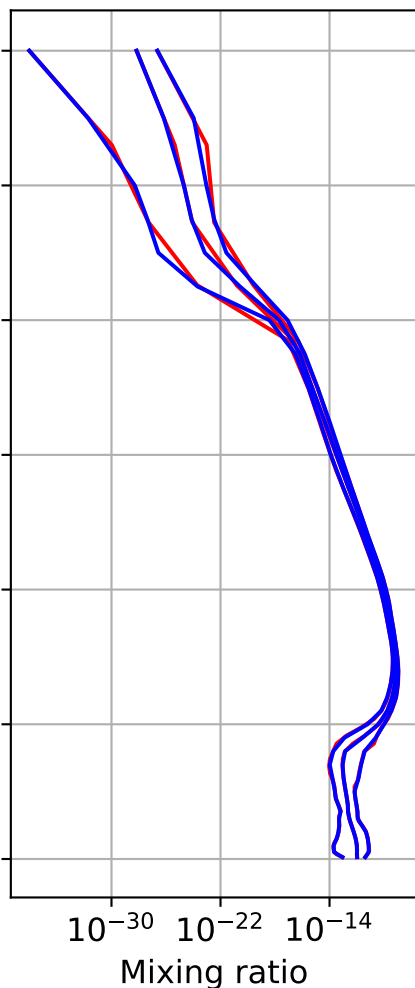
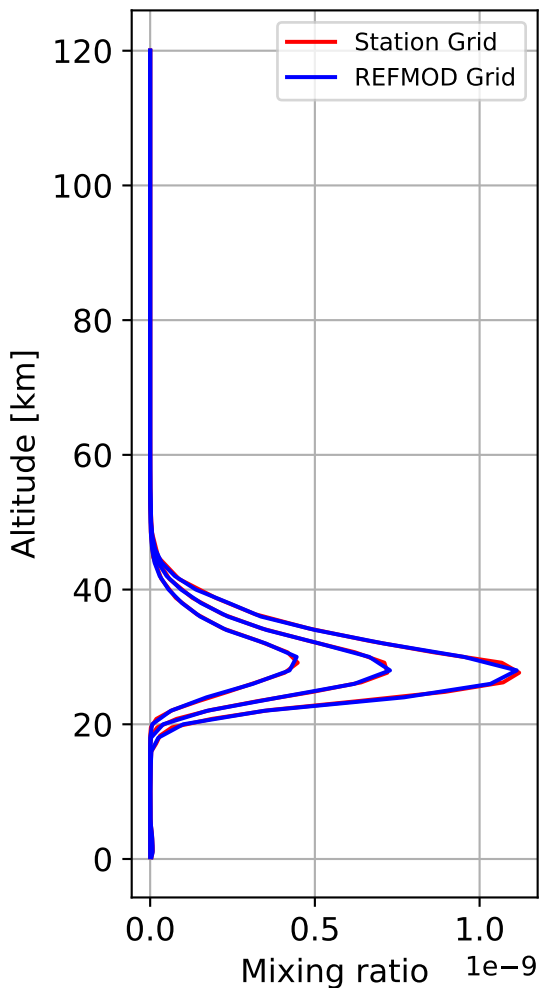
Time Series of vertical profiles (site altitude - 40 km)



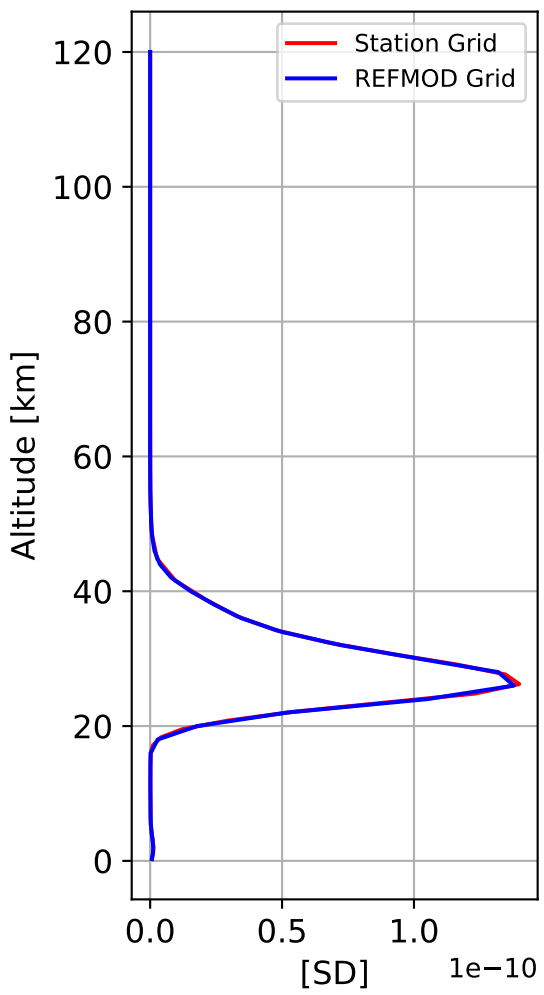
Monthly mean WACCM profile (interpolated to station grid)
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



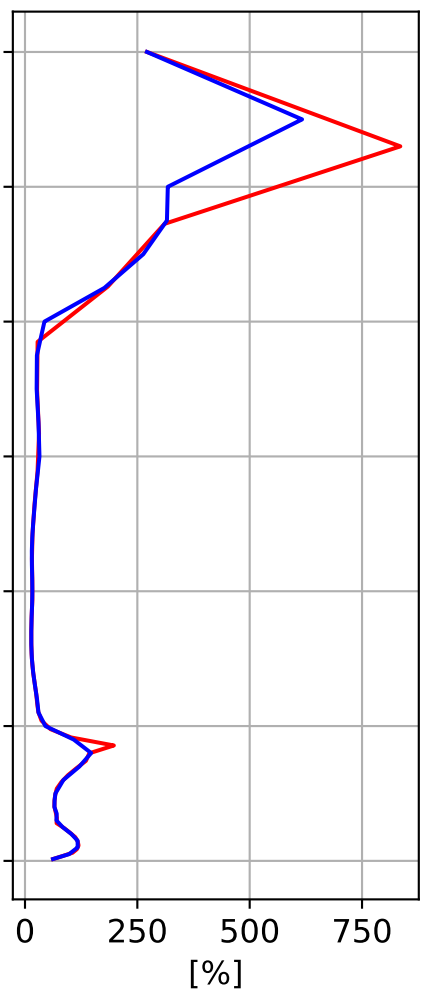
Min, Max, Mean of 732 profiles
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

1.92

1.68

1.44

1.20

0.96

0.72

0.48

0.24

0.00

Mixing ratio[~ 2]