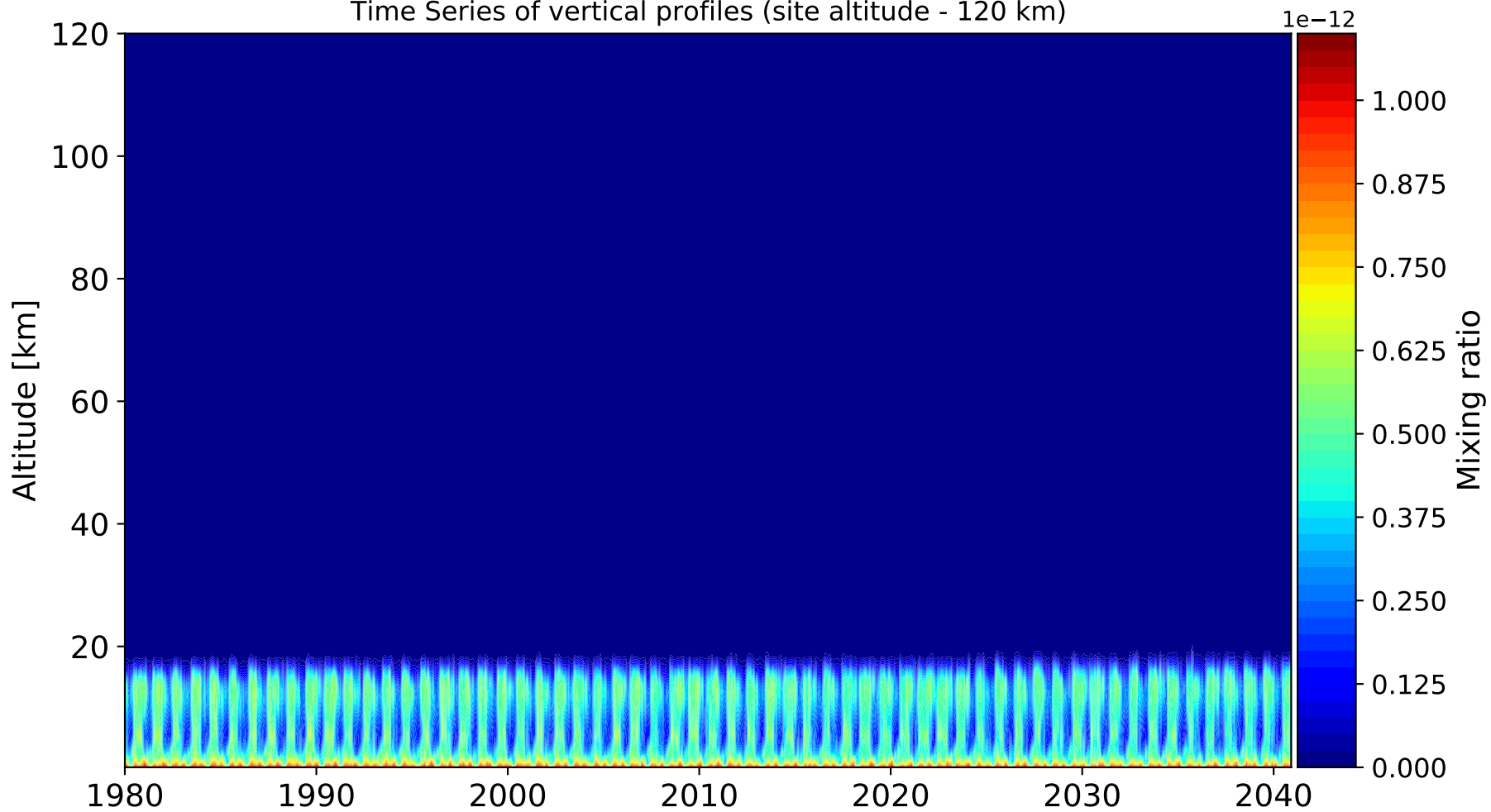
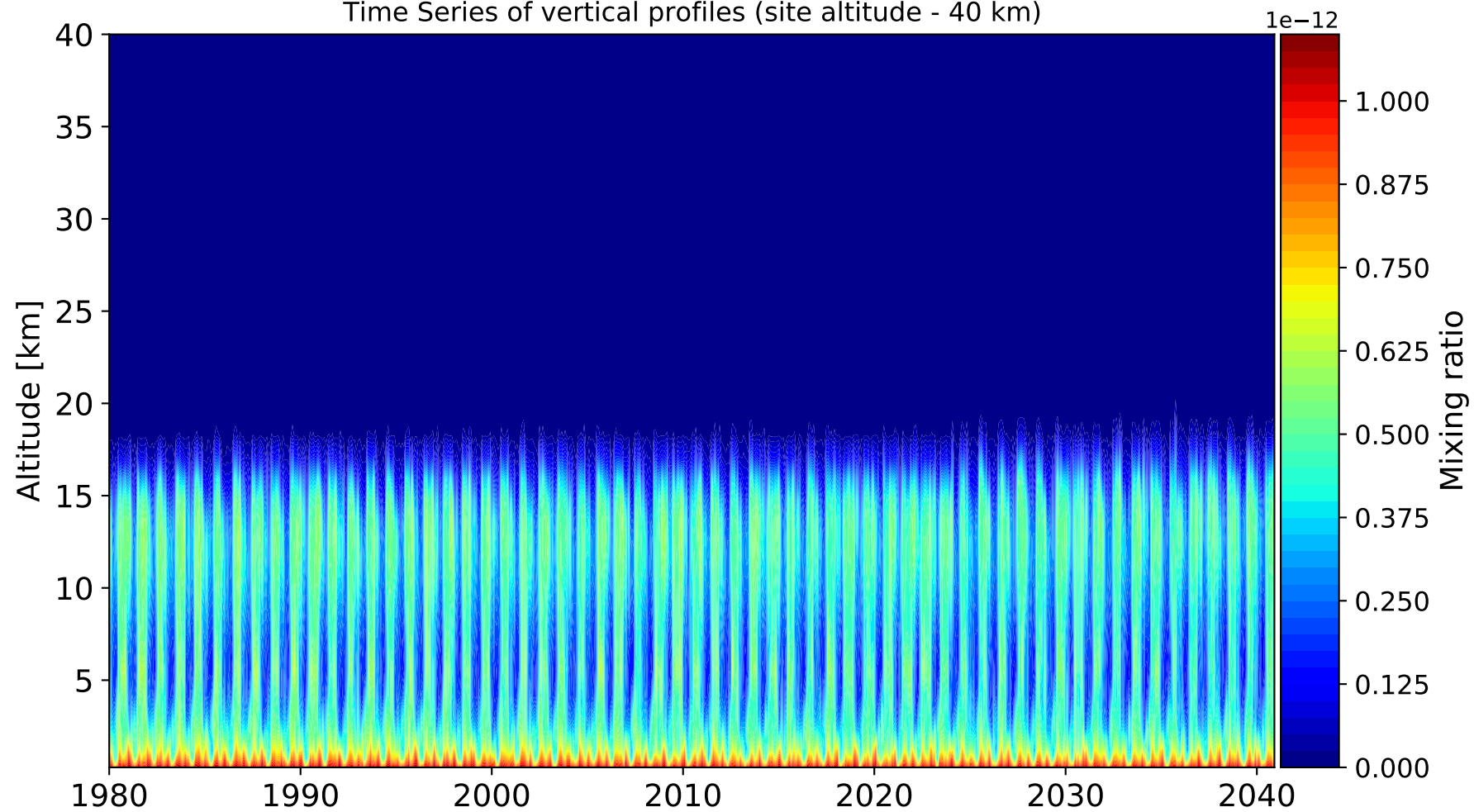


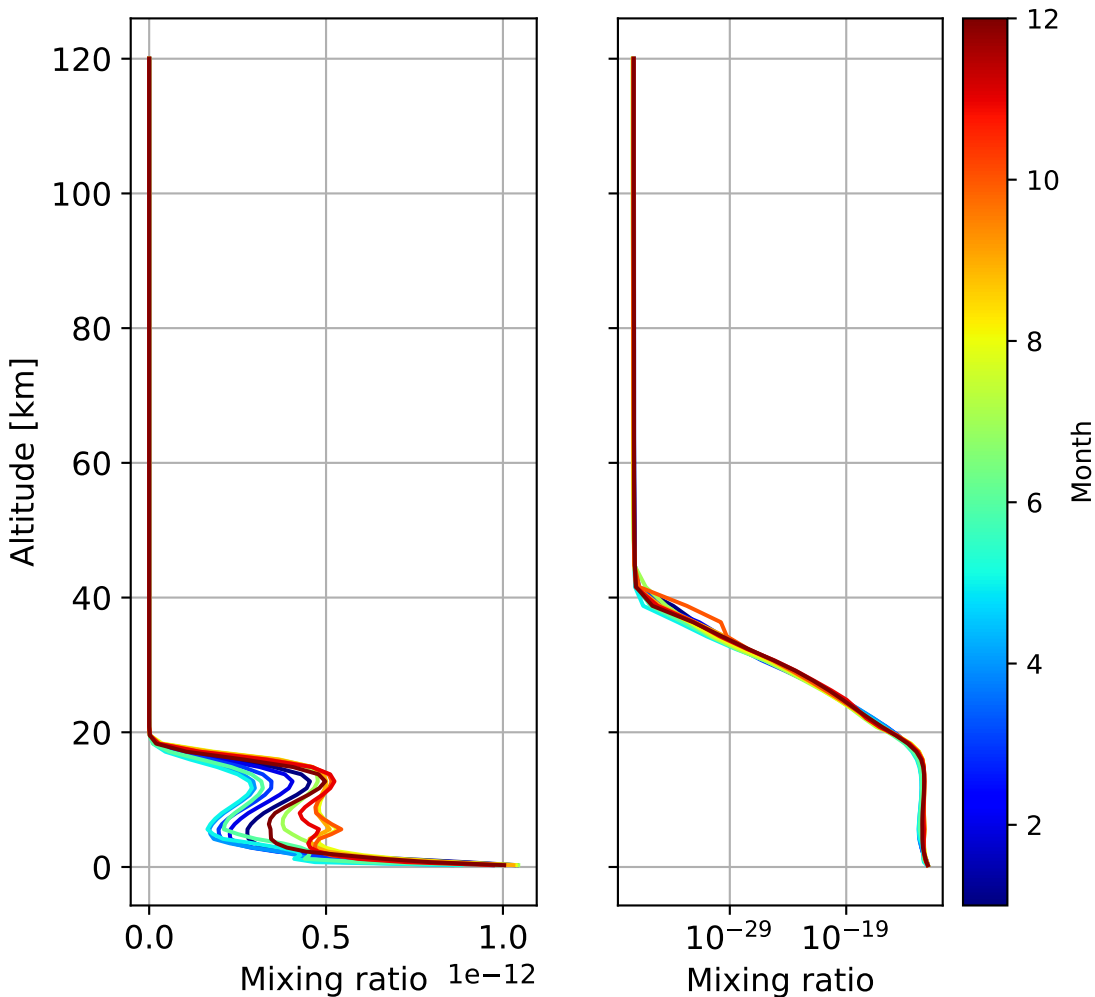
Time Series of vertical profiles (site altitude - 120 km)



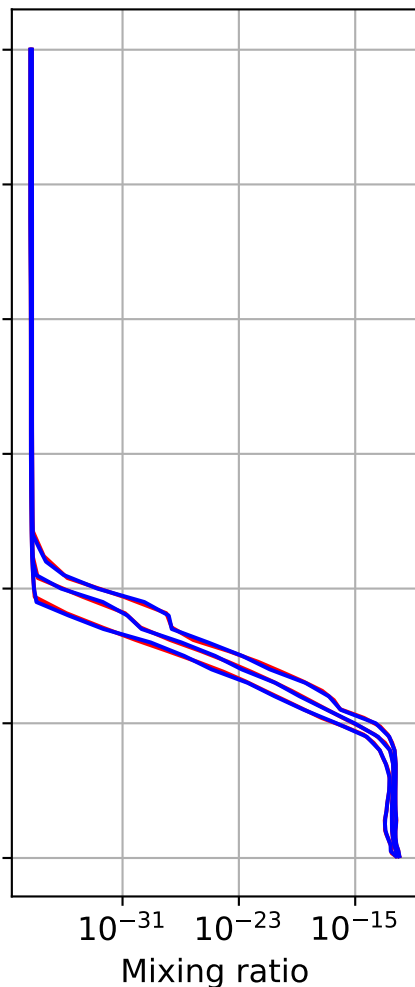
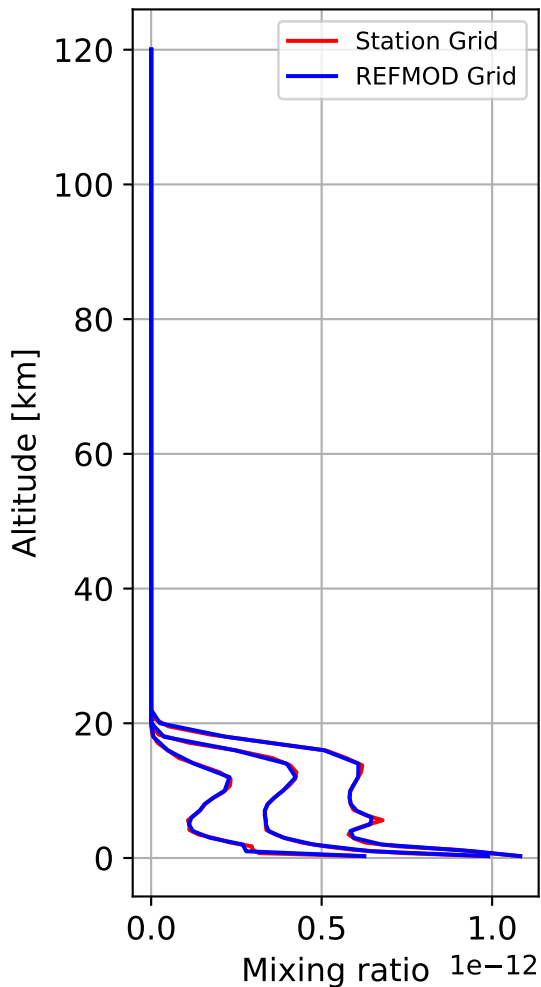
Time Series of vertical profiles (site altitude - 40 km)



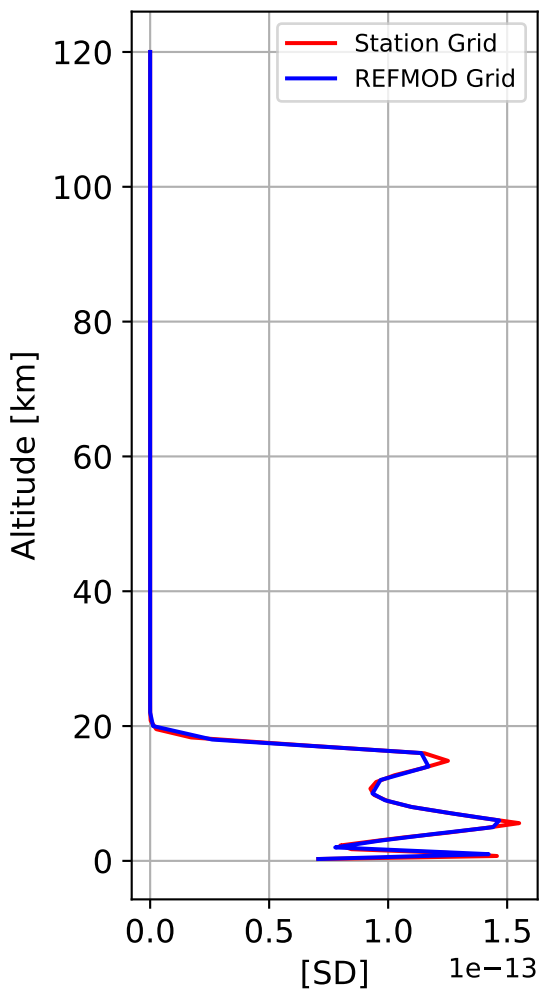
Monthly mean WACCM profile (interpolated to station grid)
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



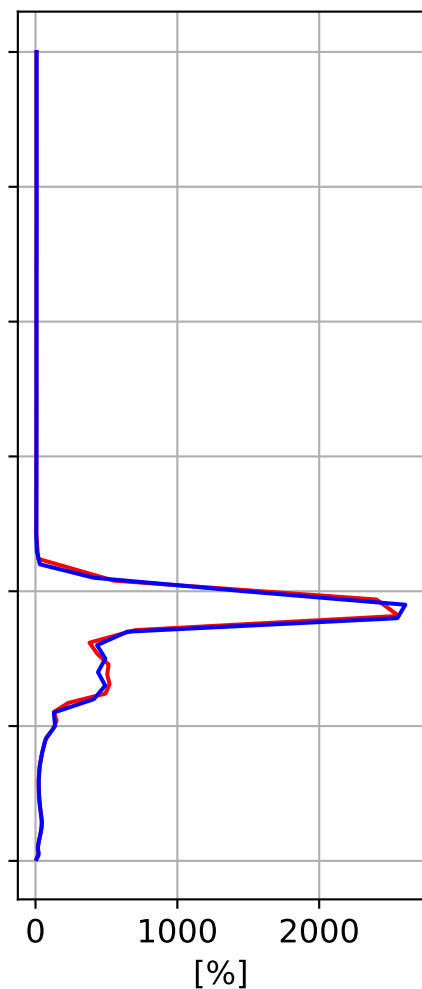
Min, Max, Mean of 732 profiles
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

$1e-26$

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

80

100

120

Mixing ratio[~ 2]

2.4

2.1

1.8

1.5

1.2

0.9

0.6

0.3

0.0

