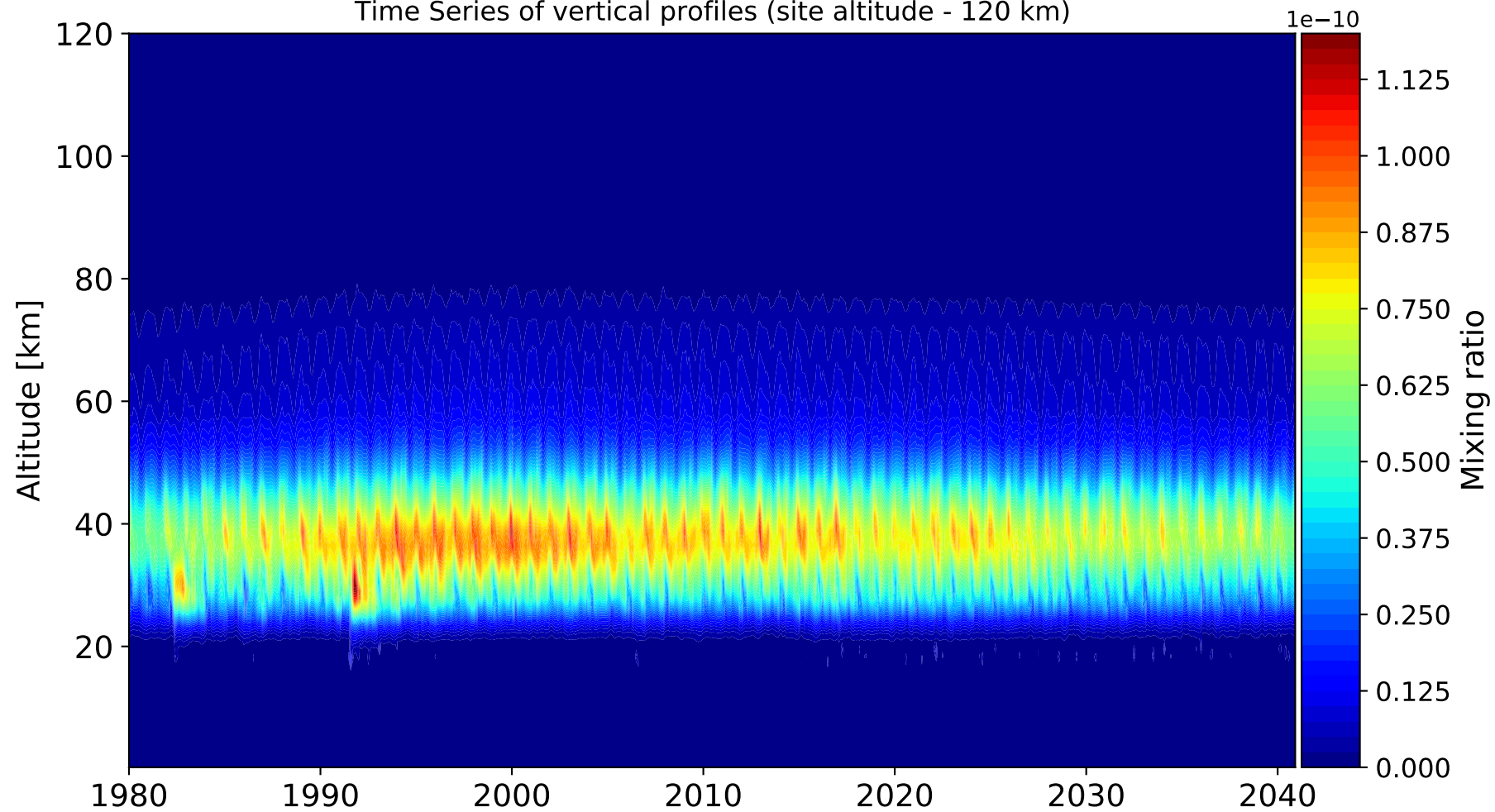
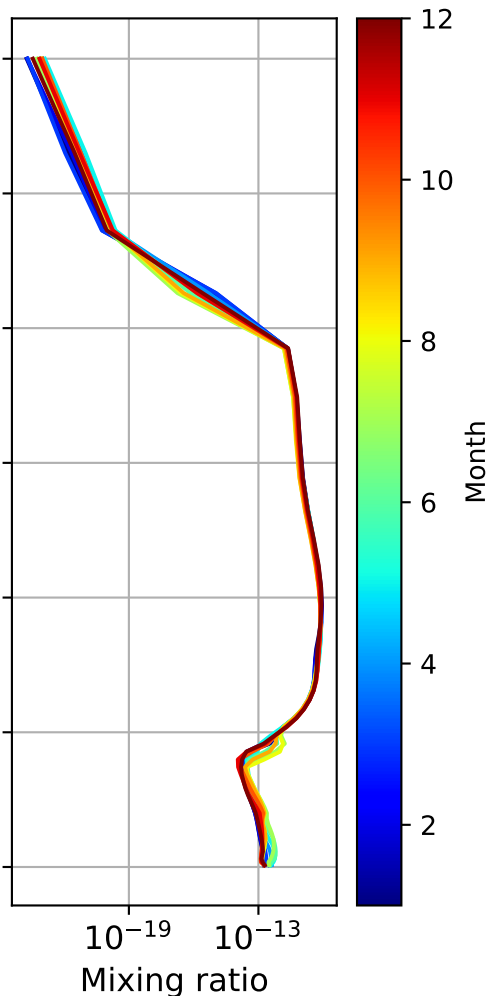
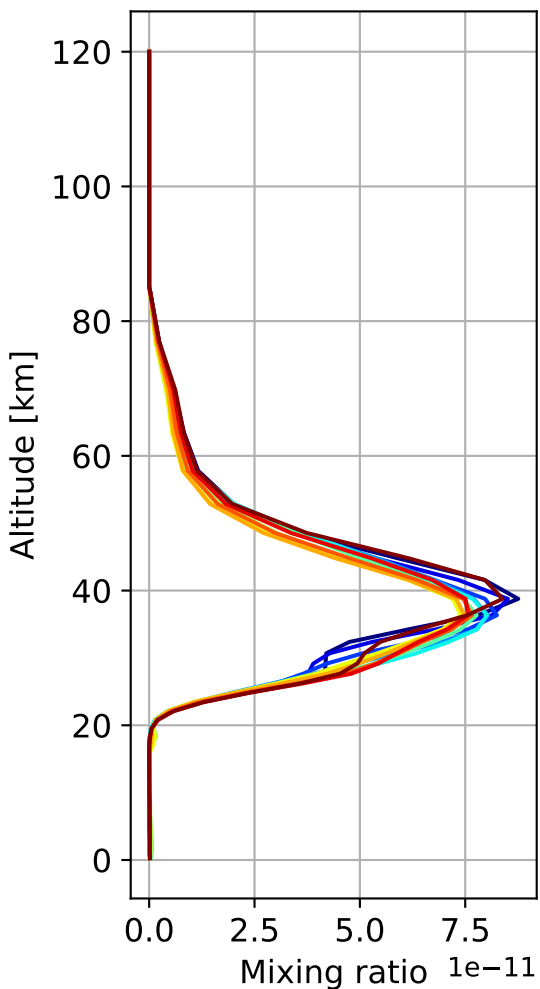


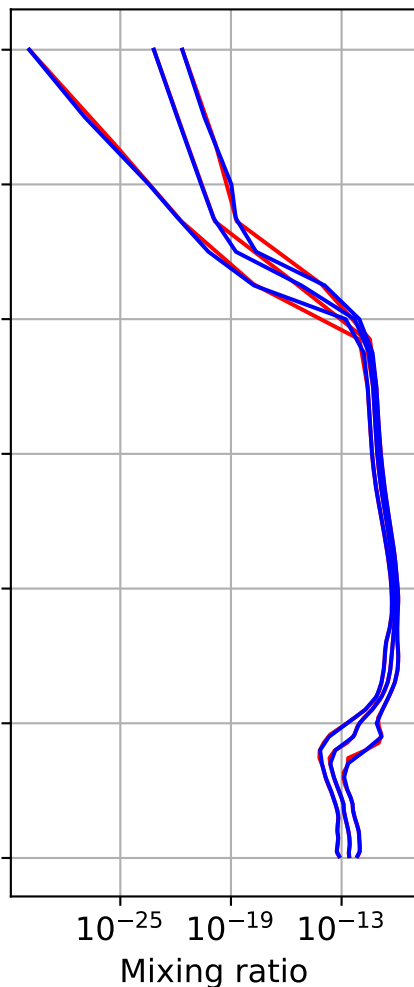
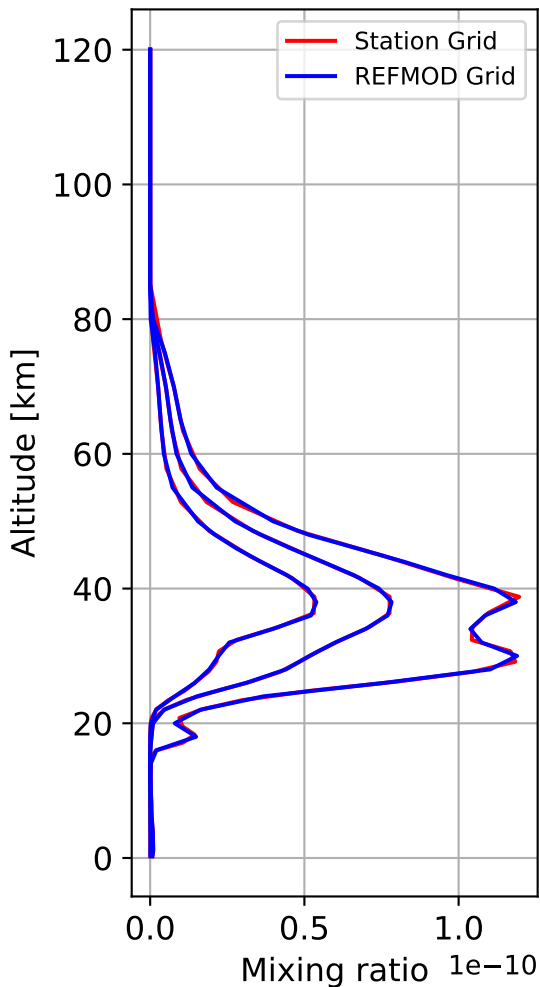
Time Series of vertical profiles (site altitude - 120 km)



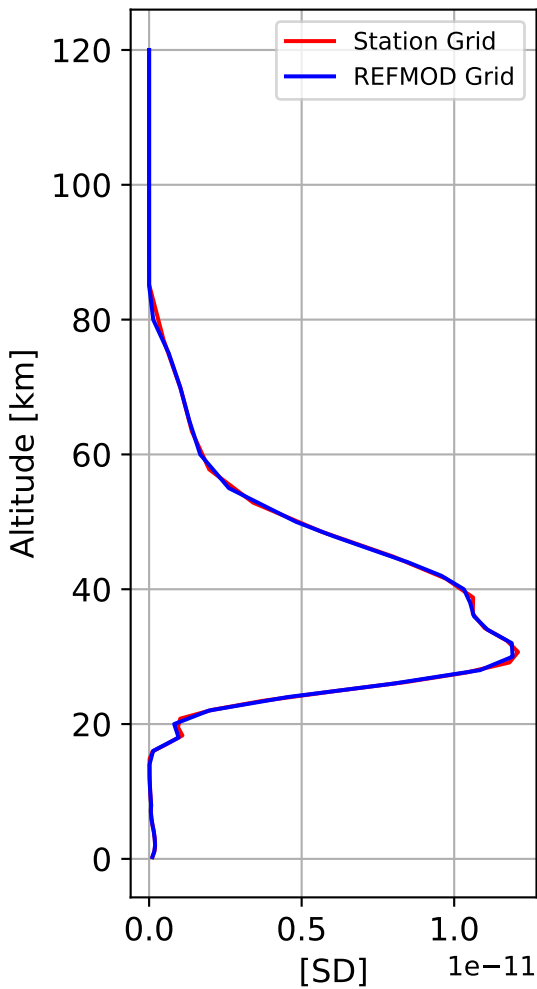
Monthly mean WACCM profile (interpolated to station grid)
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



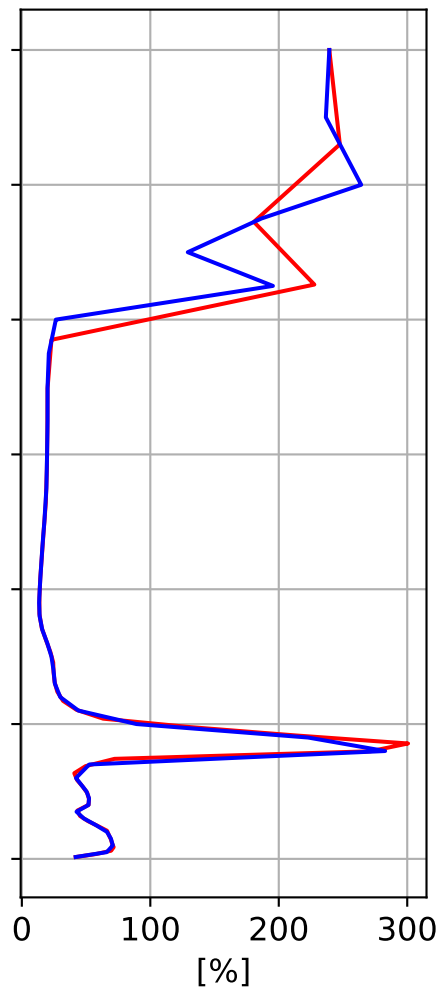
Min, Max, Mean of 732 profiles
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



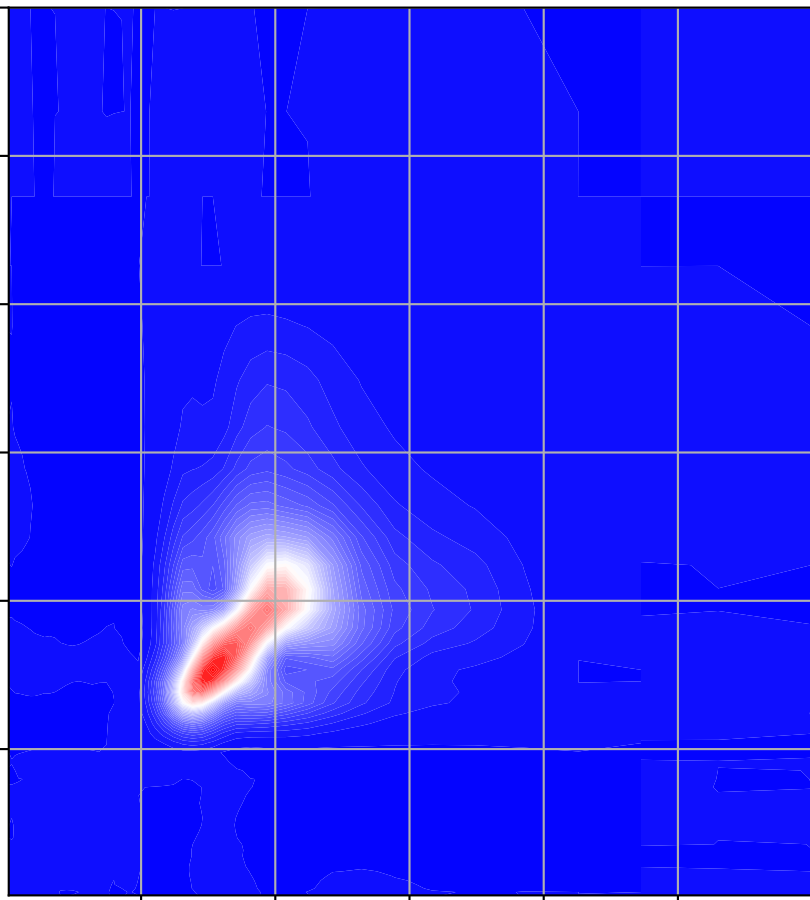
Percent Deviation



Level covariance matrix

 $1e-22$

Altitude [km]

120
100
80
60
40
20Mixing ratio[~ 2]1.44
1.26
1.08
0.90
0.72
0.54
0.36
0.18
0.00

20

Altitude [km]

80

100

120