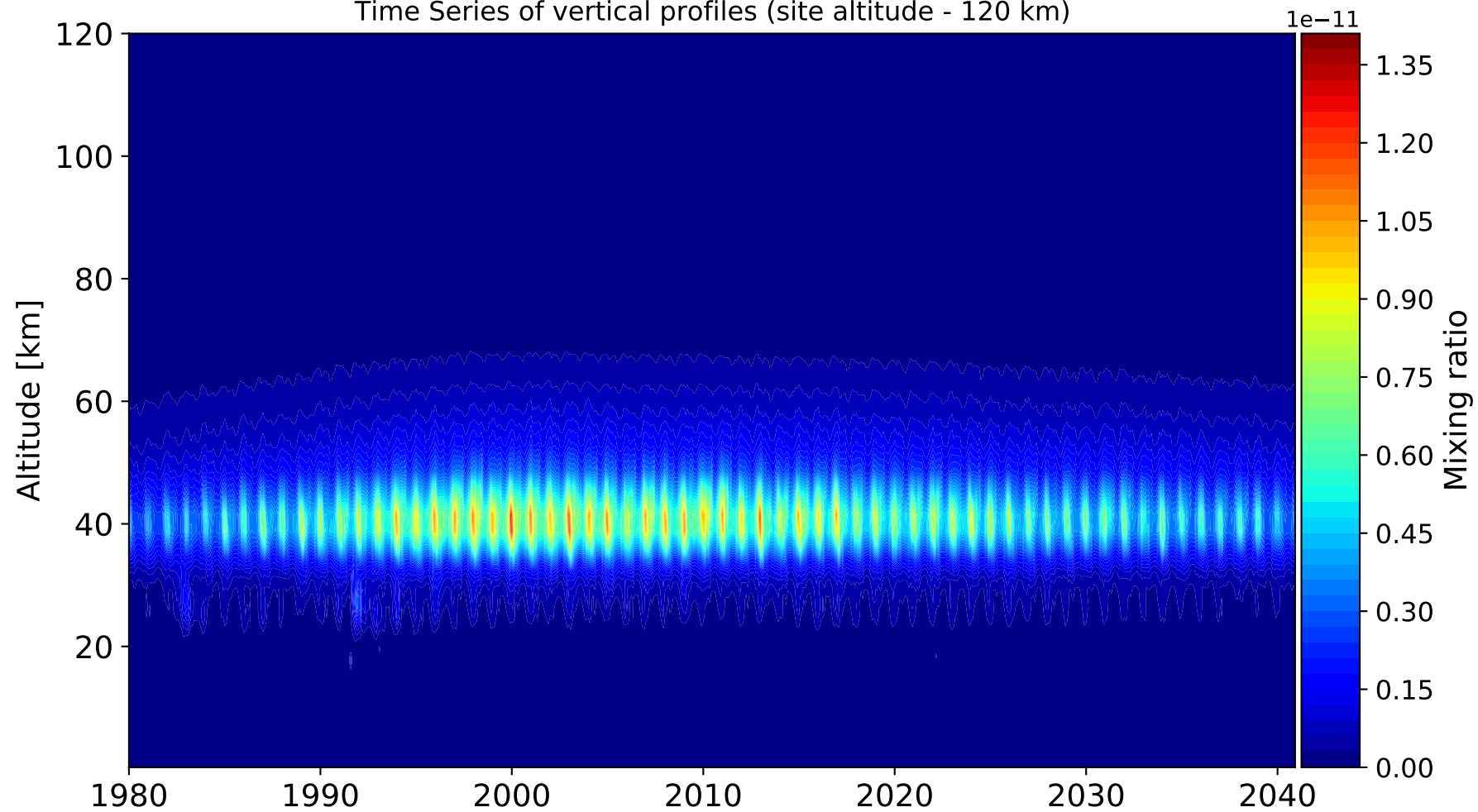
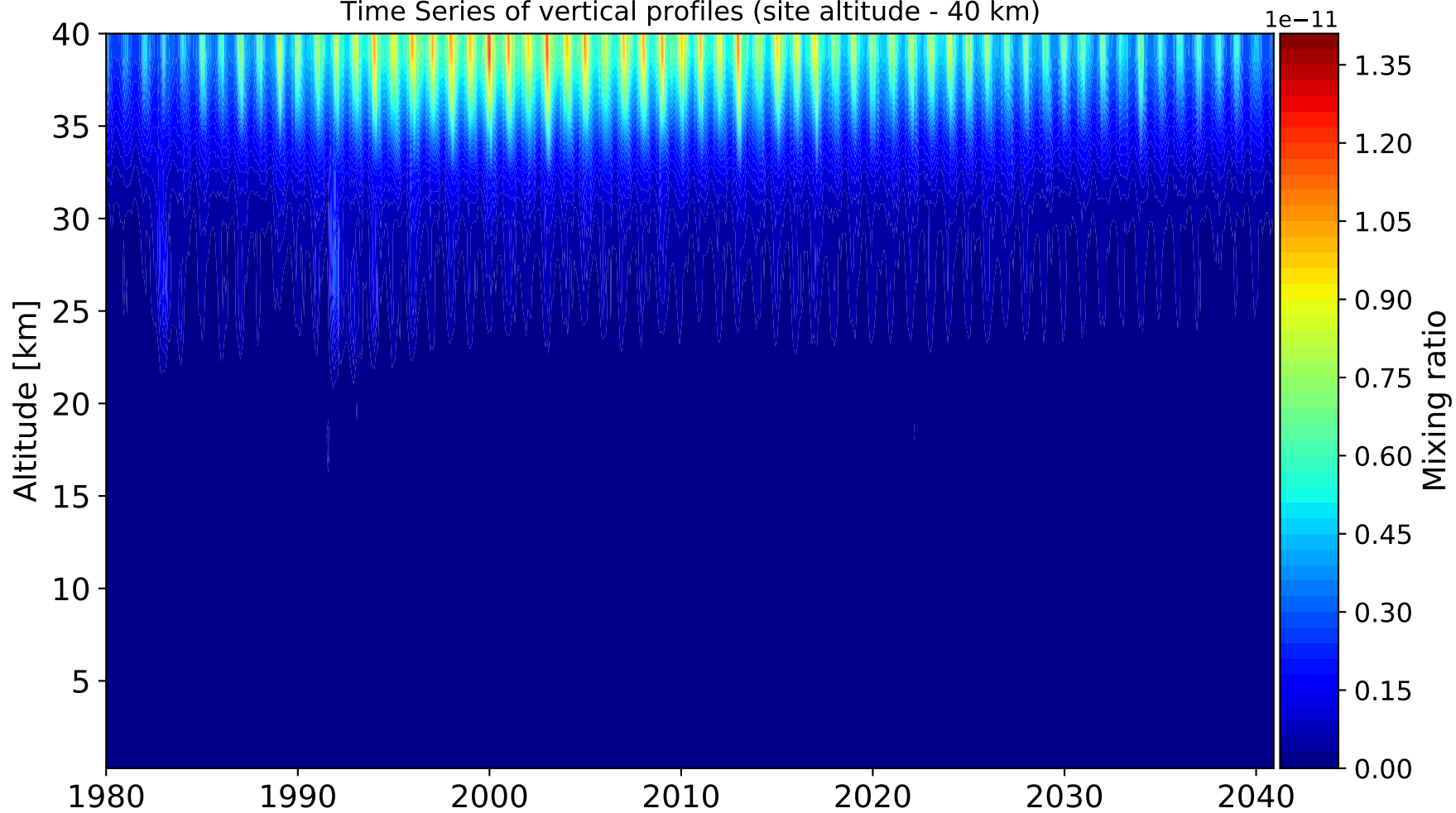


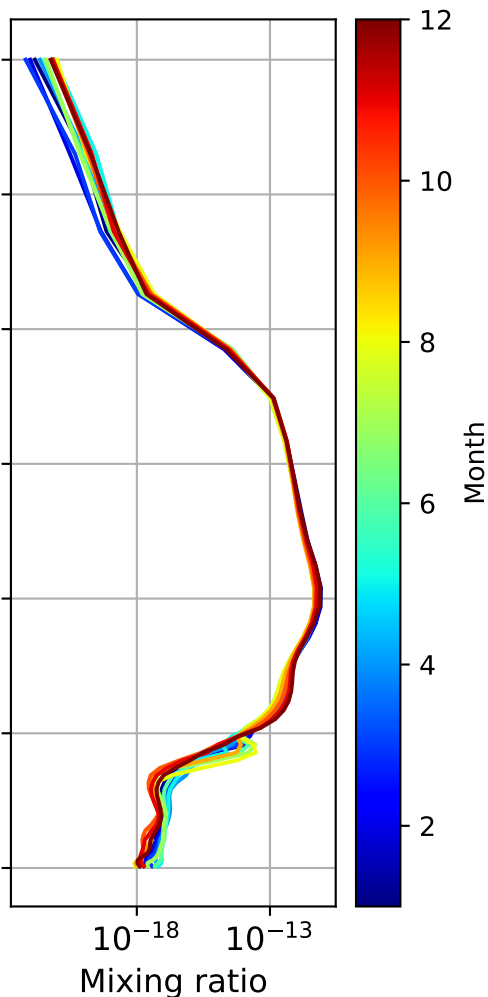
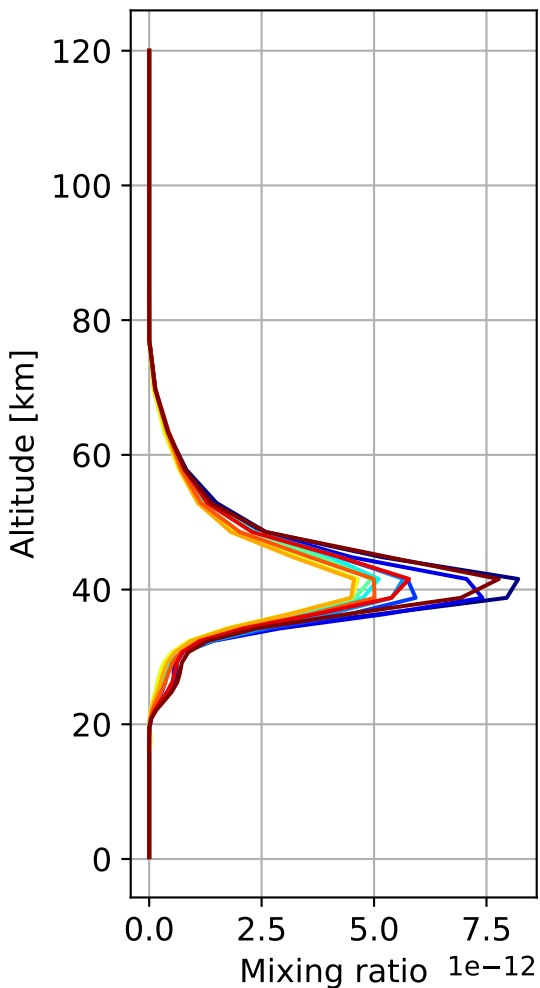
Time Series of vertical profiles (site altitude - 120 km)



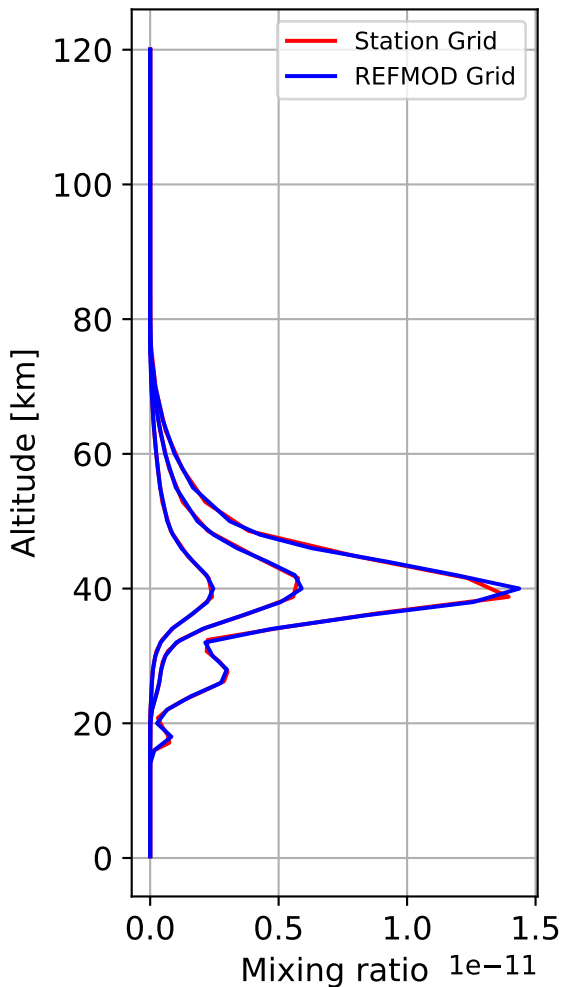
Time Series of vertical profiles (site altitude - 40 km)



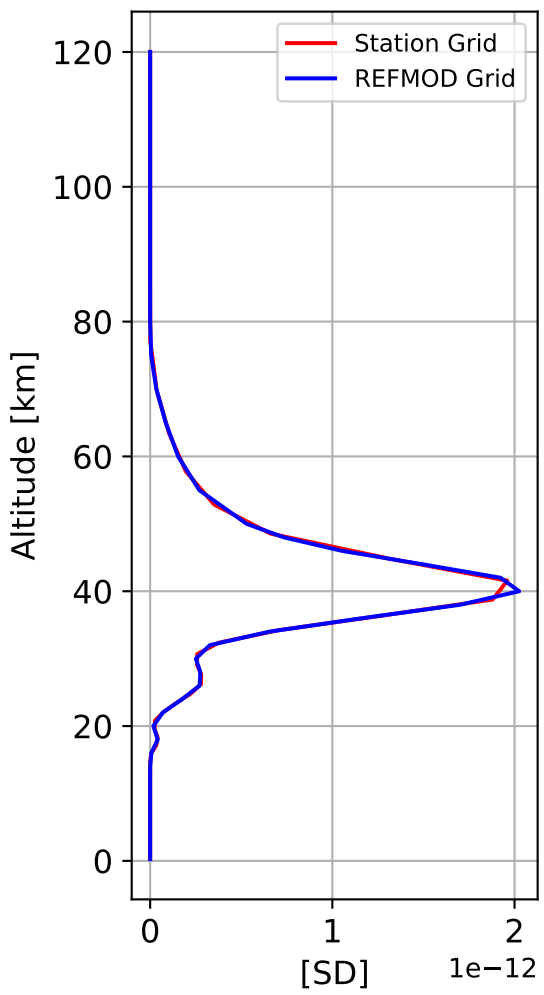
Monthly mean WACCM profile (interpolated to station grid)
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



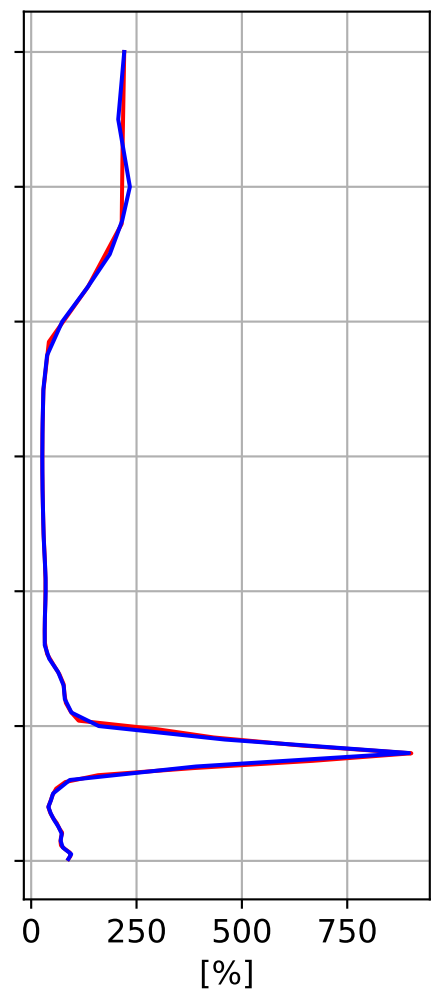
Min, Max, Mean of 732 profiles
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



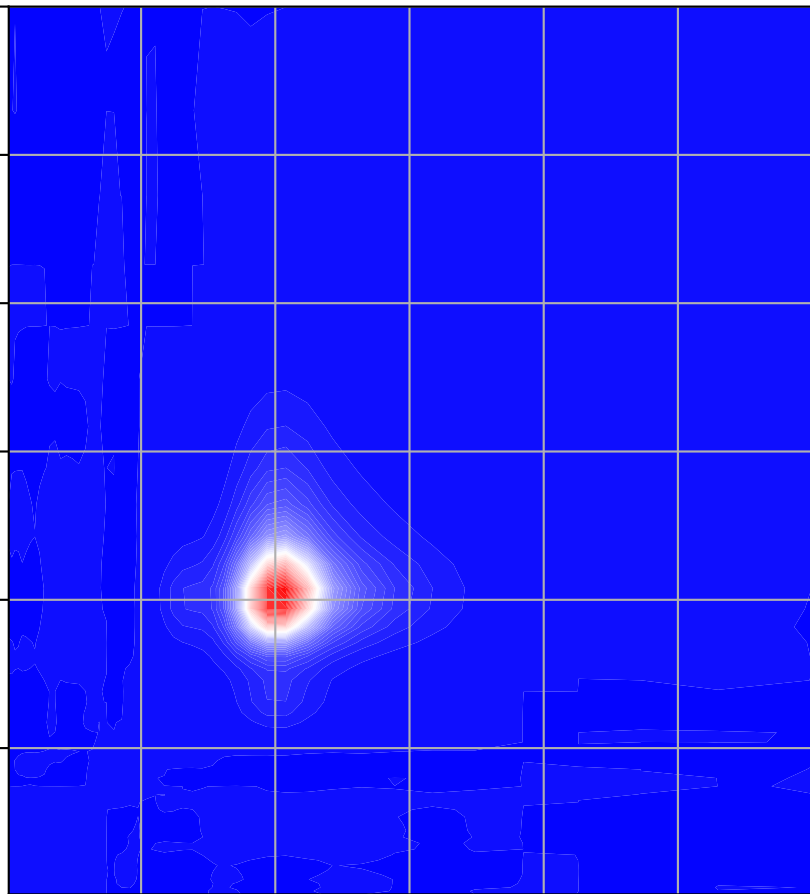
Percent Deviation



Level covariance matrix

 $1e-24$

Altitude [km]

120
100
80
60
40
20

Altitude [km]

3.84
3.36
2.88
2.40
1.92
1.44
0.96
0.48
0.00Mixing ratio[~ 2]