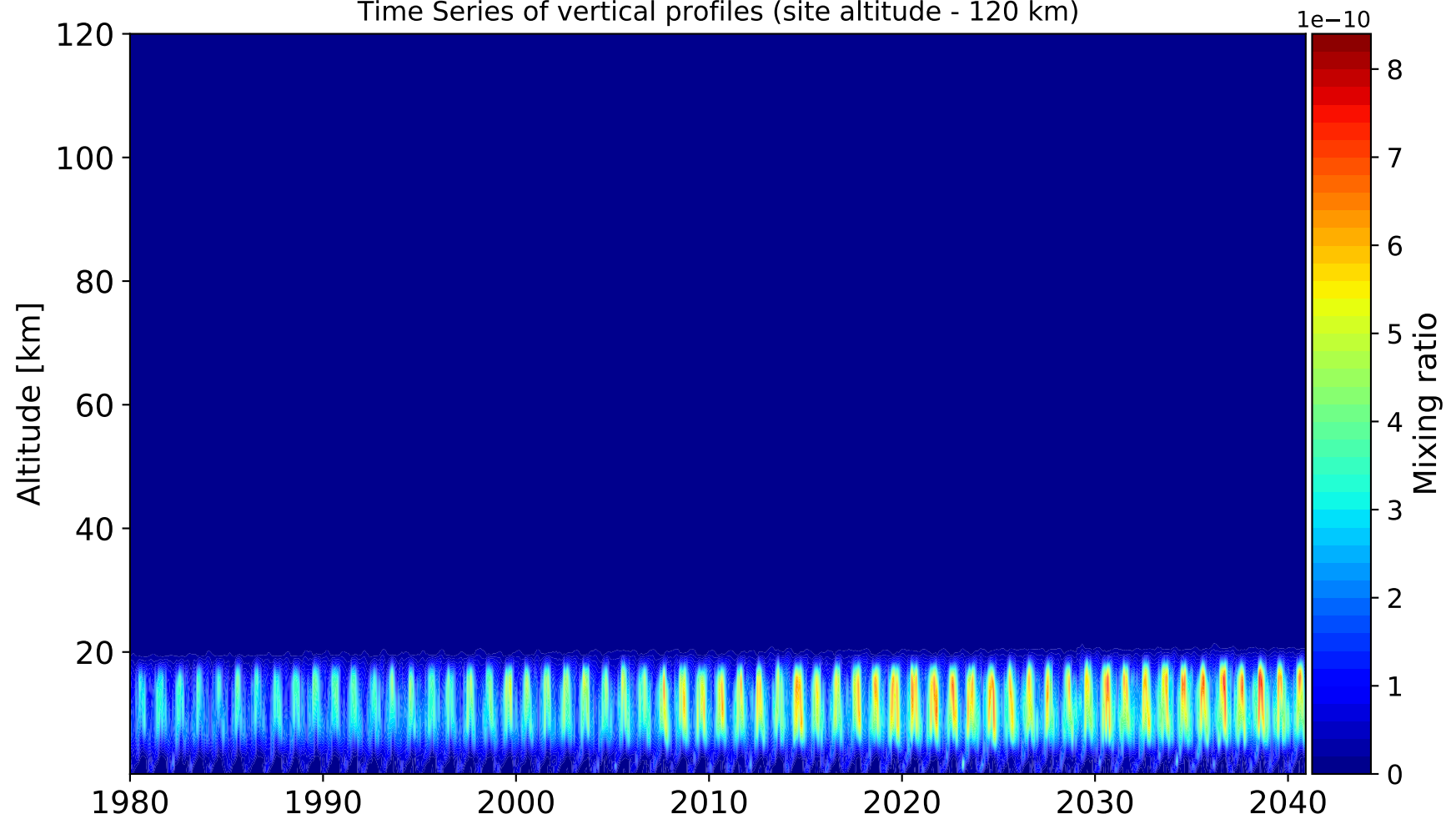
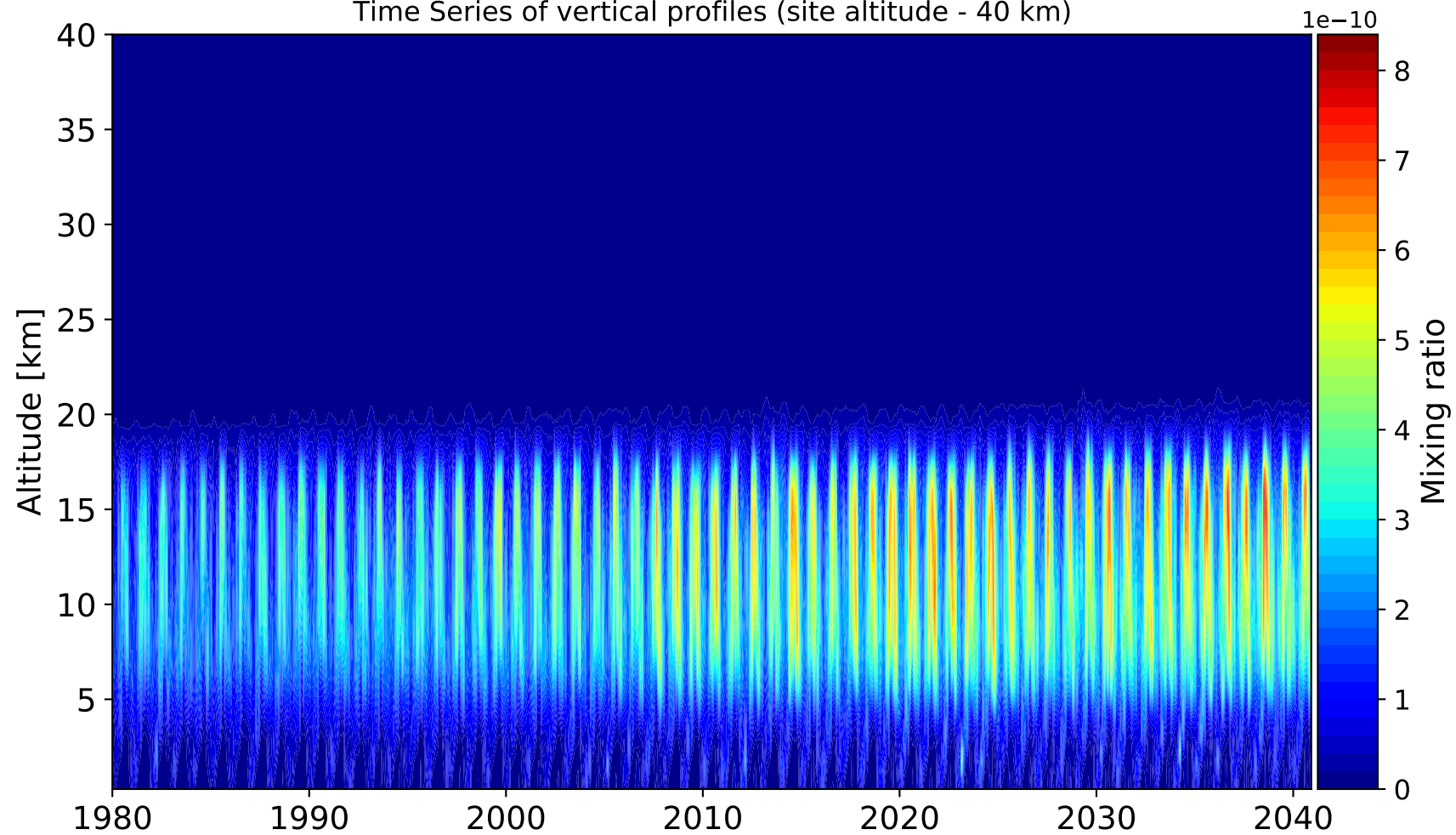


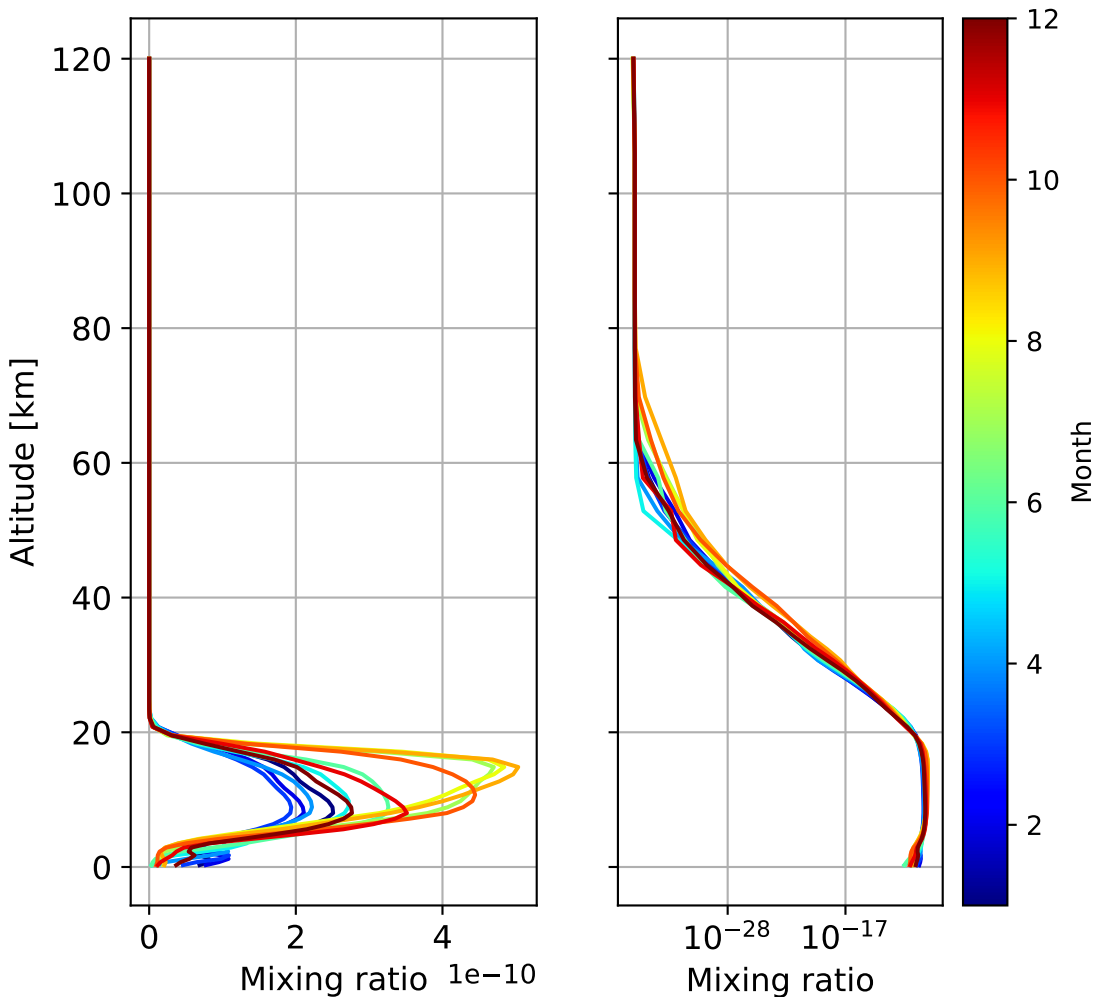
Time Series of vertical profiles (site altitude - 120 km)



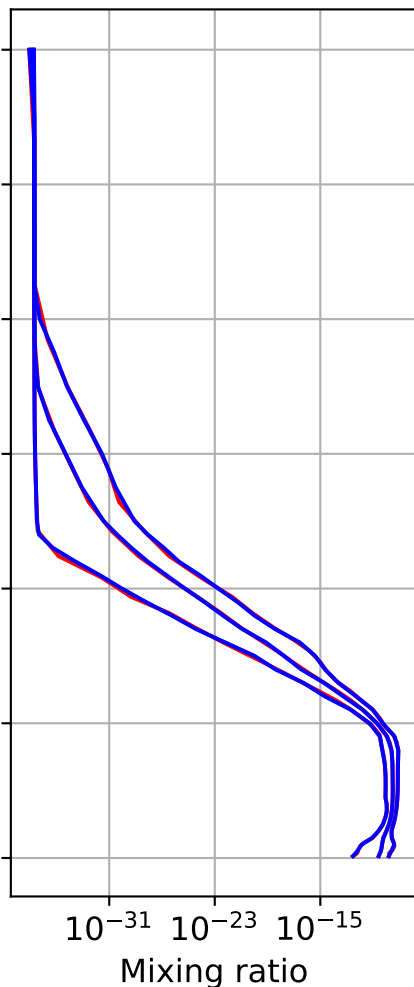
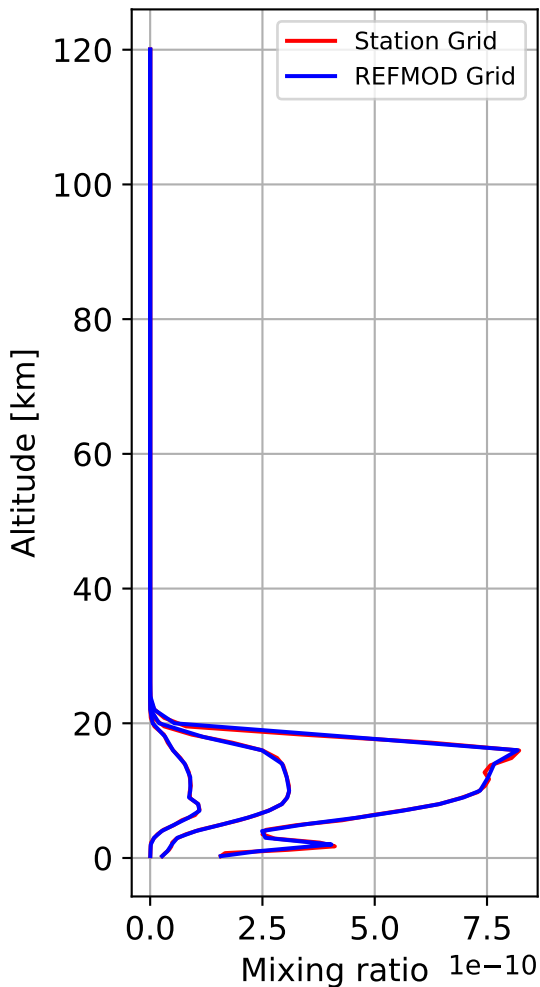
Time Series of vertical profiles (site altitude - 40 km)



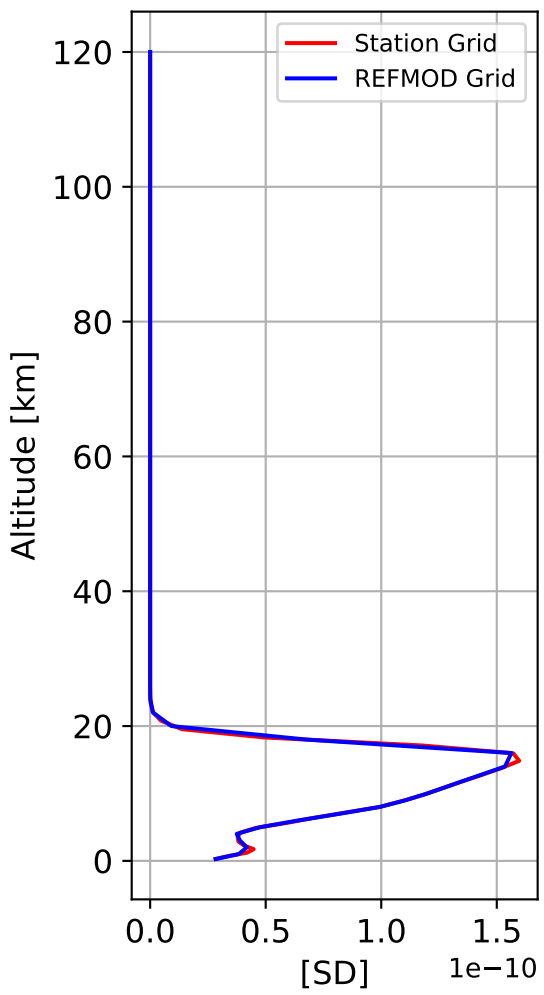
Monthly mean WACCM profile (interpolated to station grid)
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



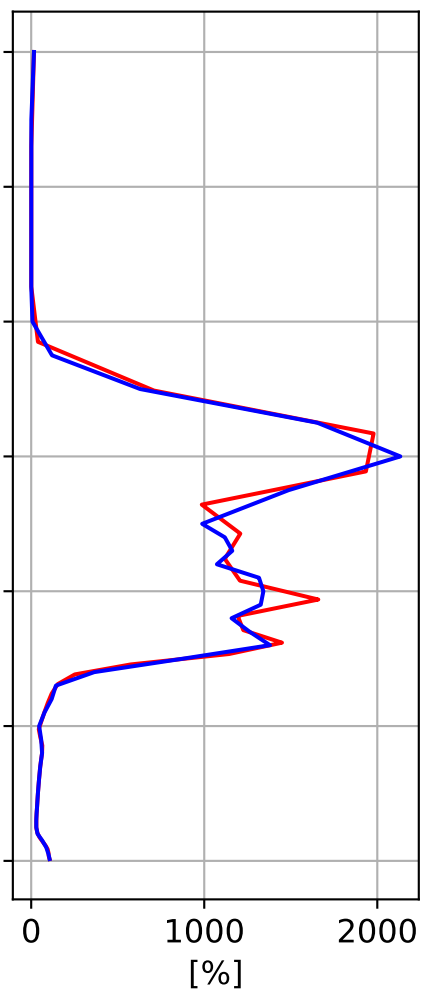
Min, Max, Mean of 732 profiles Calakmul, 18.5955N, 89.4141E, 0.275kmasl



Std. Deviation



Percent Deviation



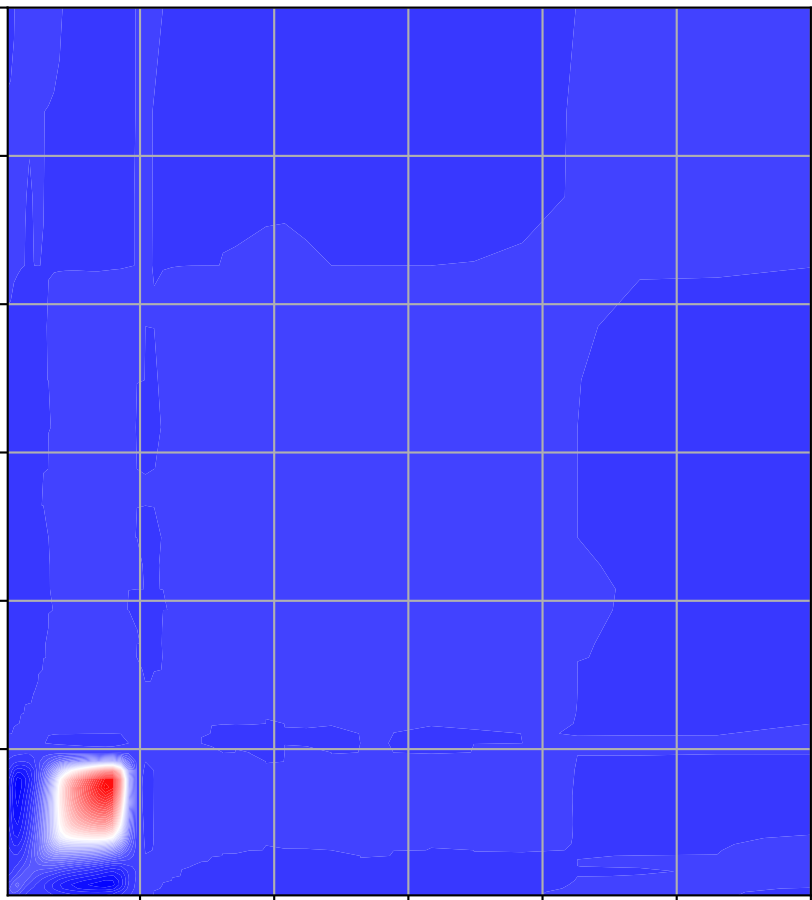
Level covariance matrix

1e-20

Altitude [km]

Mixing ratio[²]

120
100
80
60
40
20



Altitude [km]

2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0
-0.3