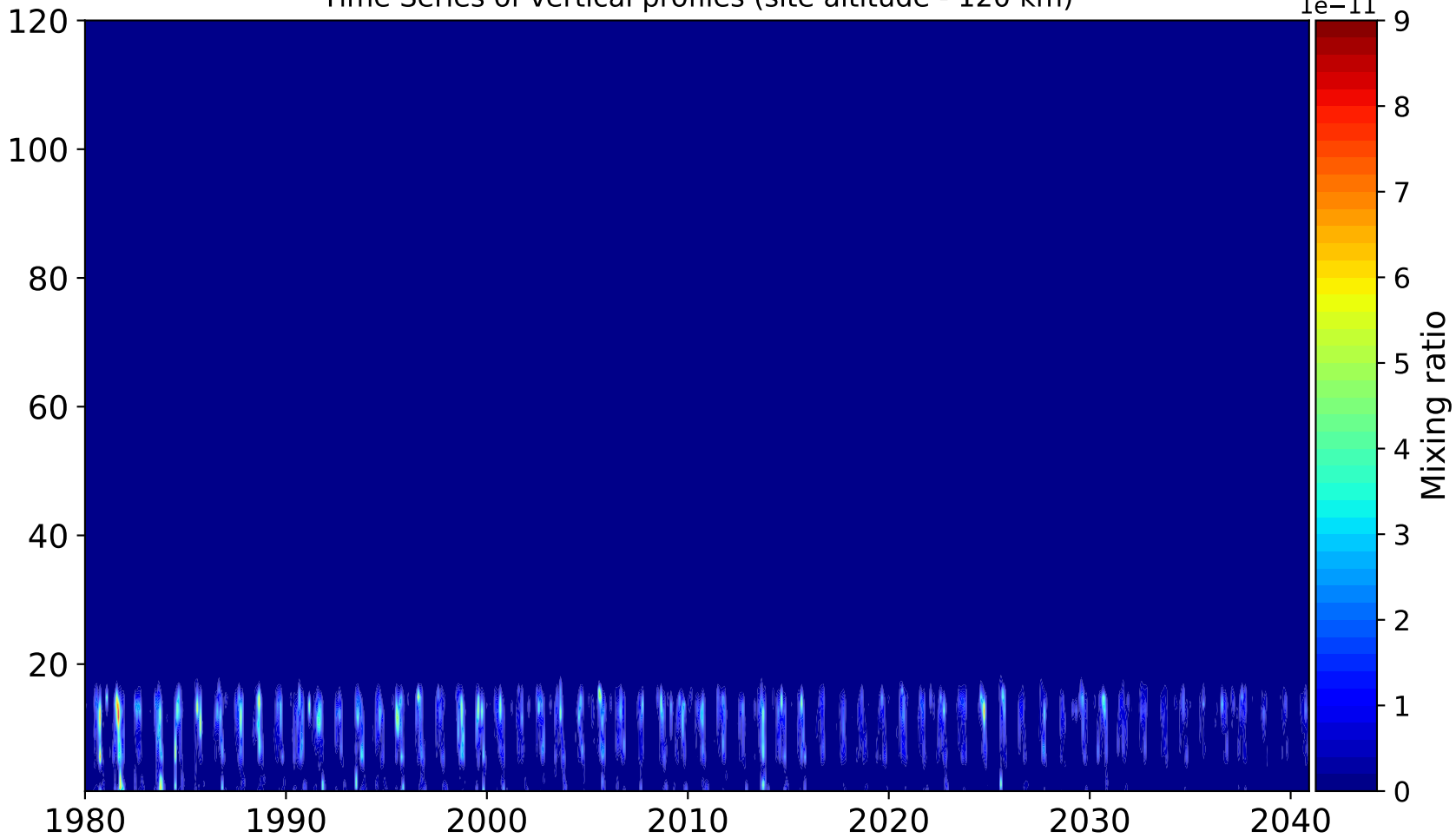
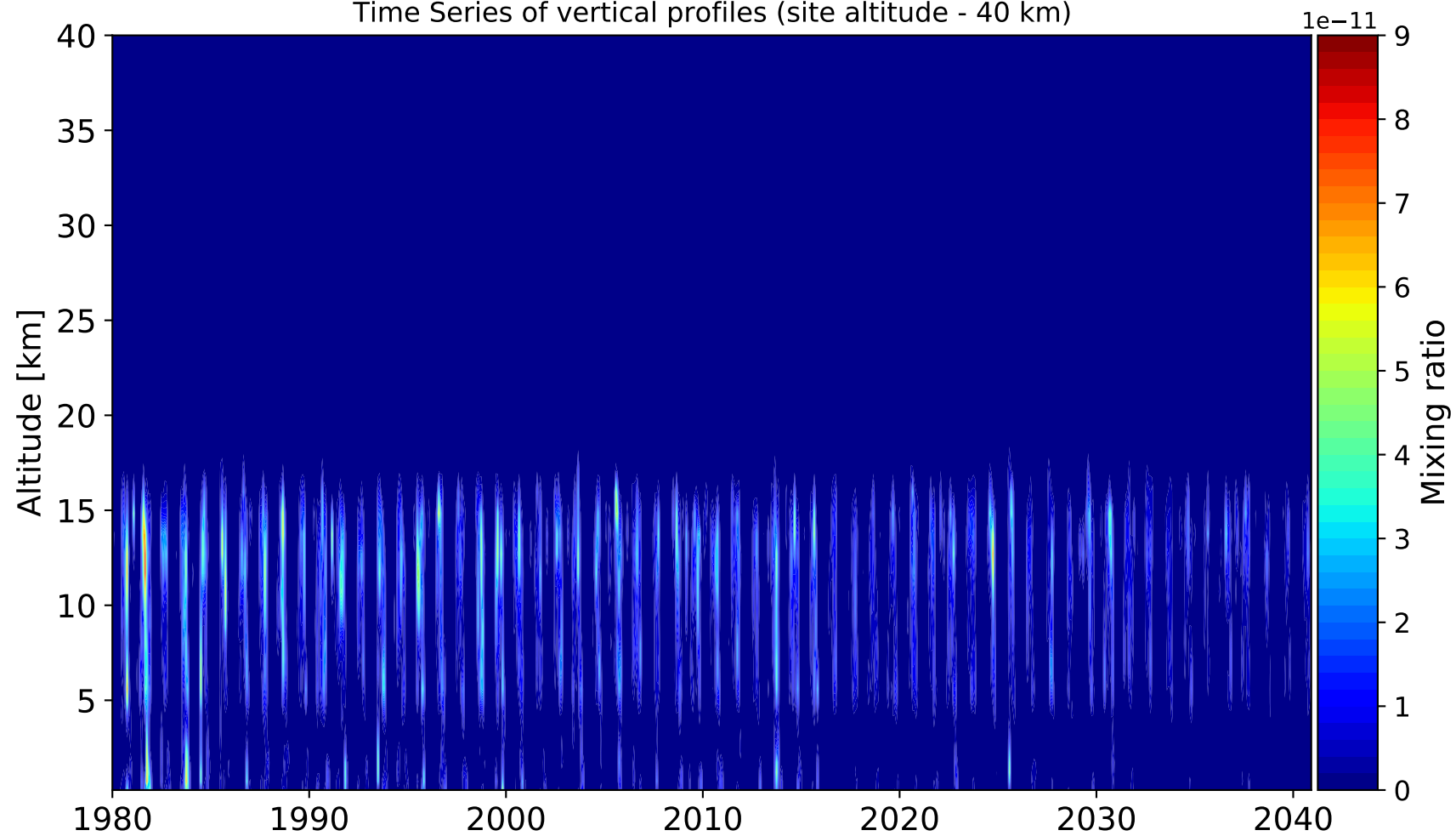


Time Series of vertical profiles (site altitude - 120 km)

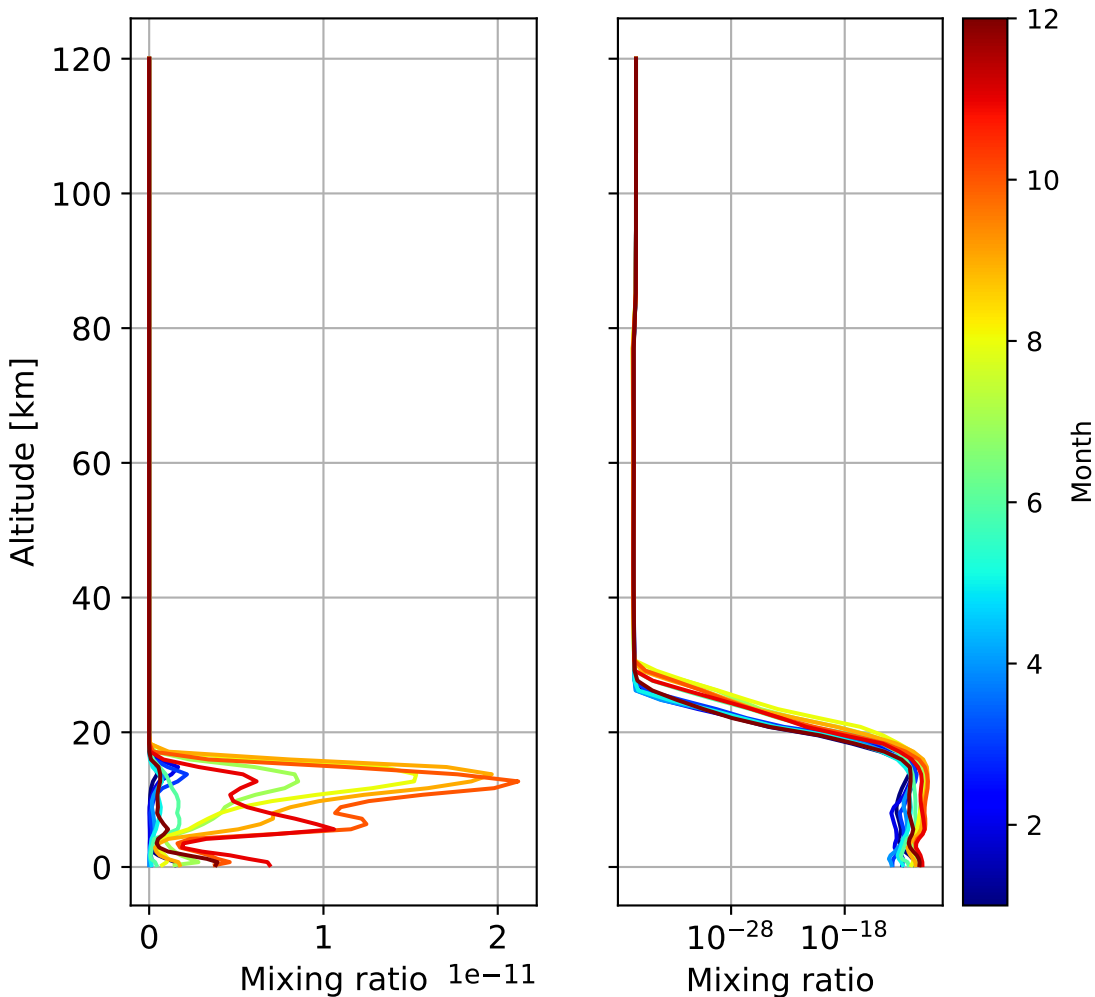
Altitude [km]



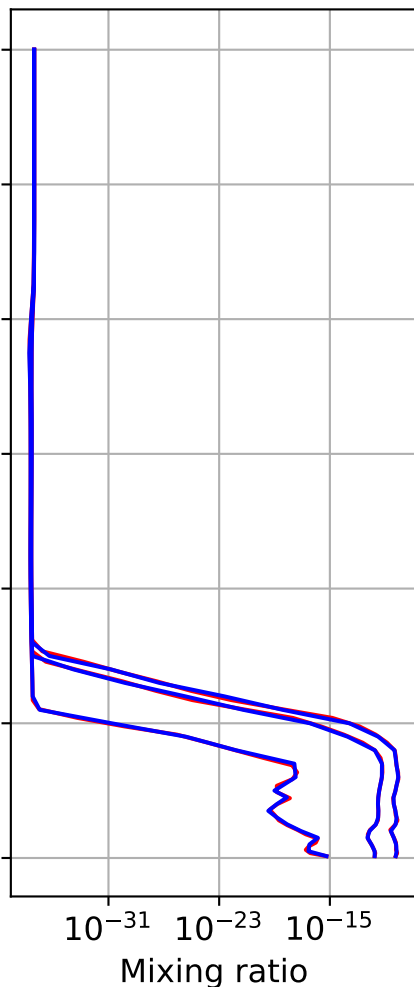
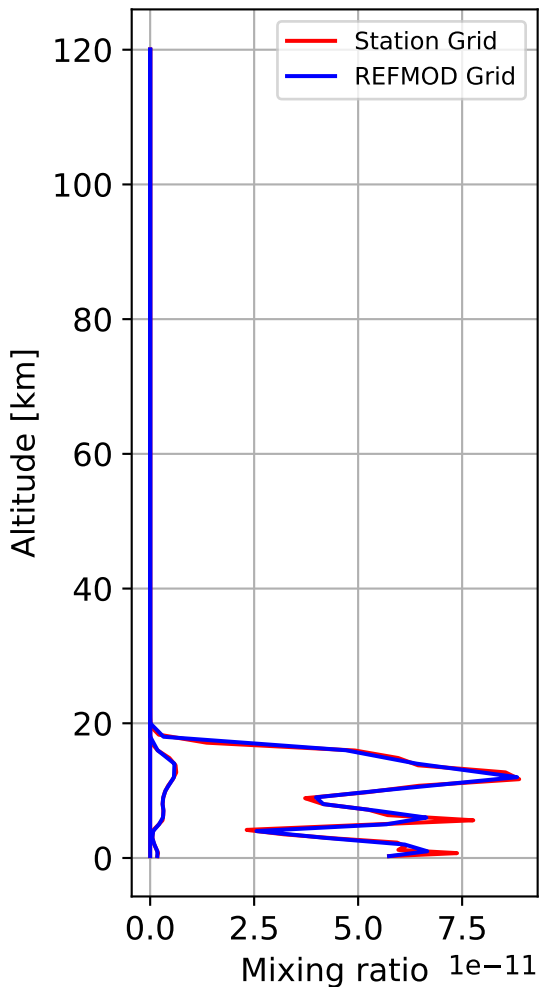
Time Series of vertical profiles (site altitude - 40 km)



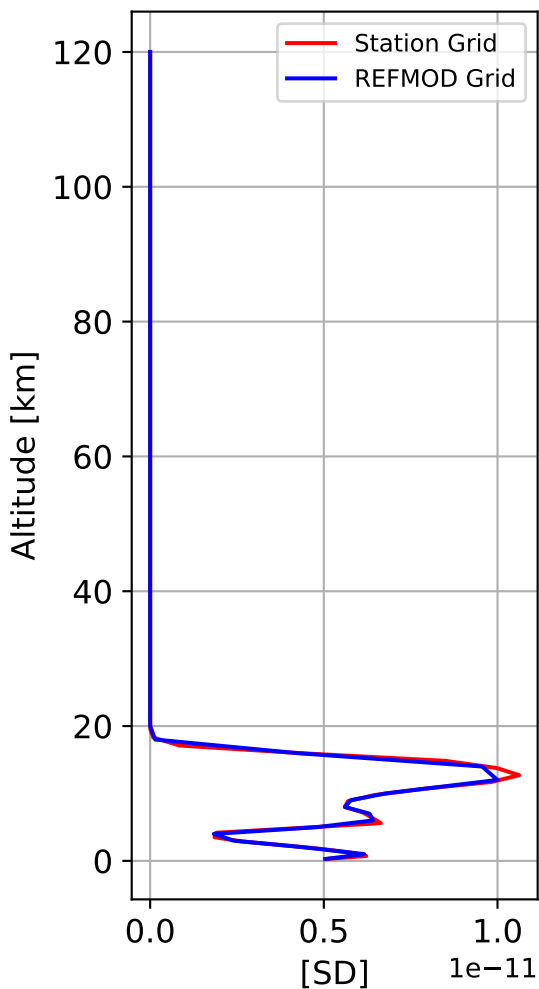
Monthly mean WACCM profile (interpolated to station grid)  
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



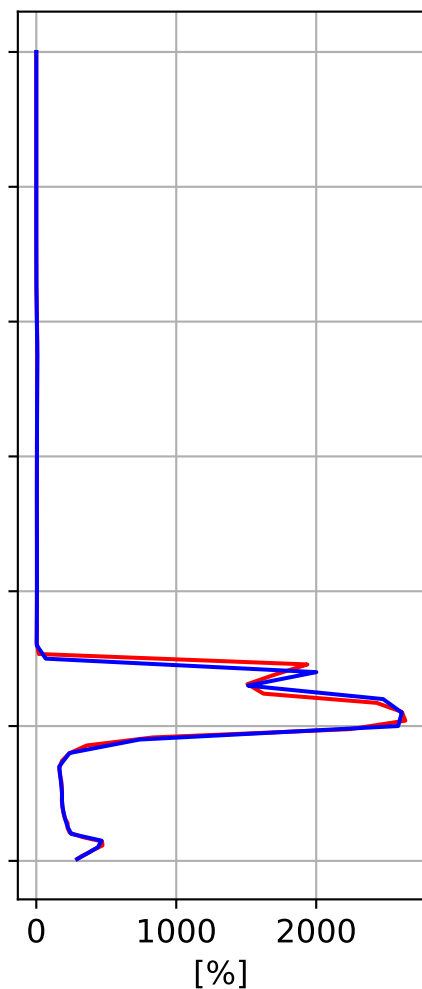
Min, Max, Mean of 732 profiles  
Calakmul, 18.5955N, 89.4141E, 0.275kmasl



### Std. Deviation



### Percent Deviation

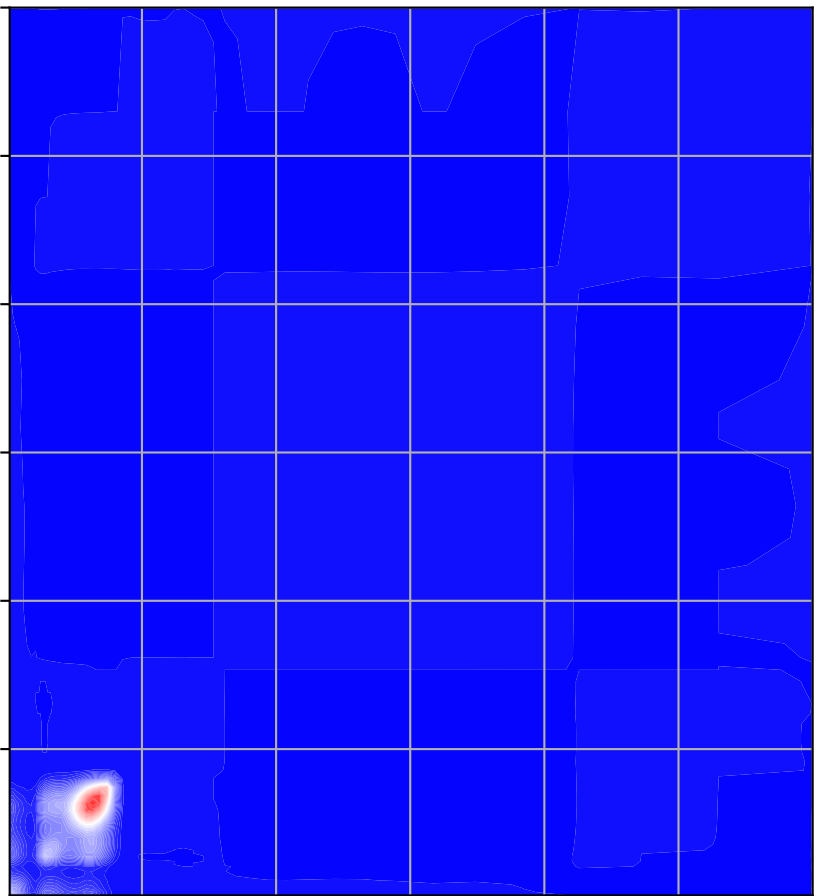


# Level covariance matrix

$1e-22$

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

Mixing ratio<sup>2</sup>

1.125  
1.000  
0.875  
0.750  
0.625  
0.500  
0.375  
0.250  
0.125  
0.000