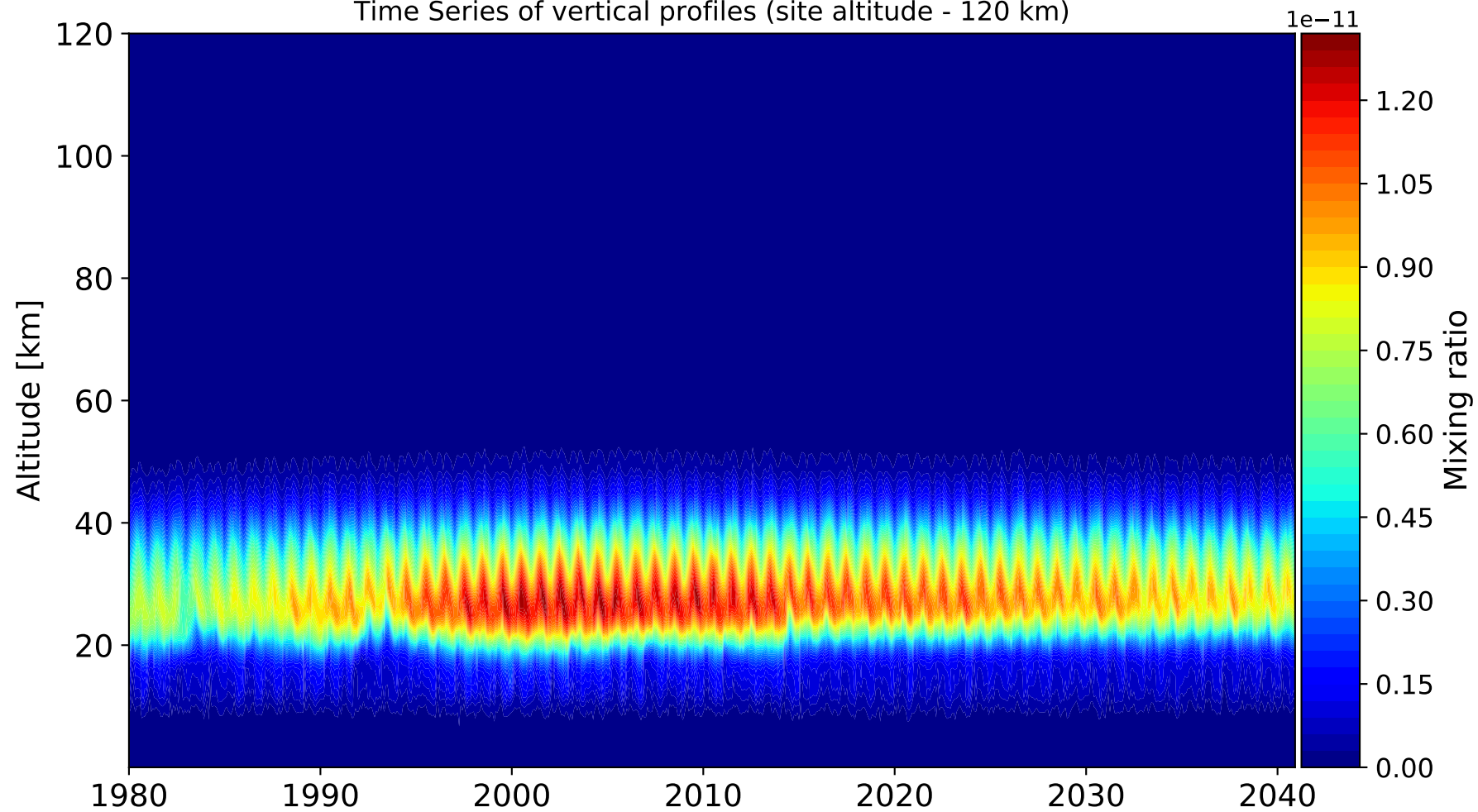
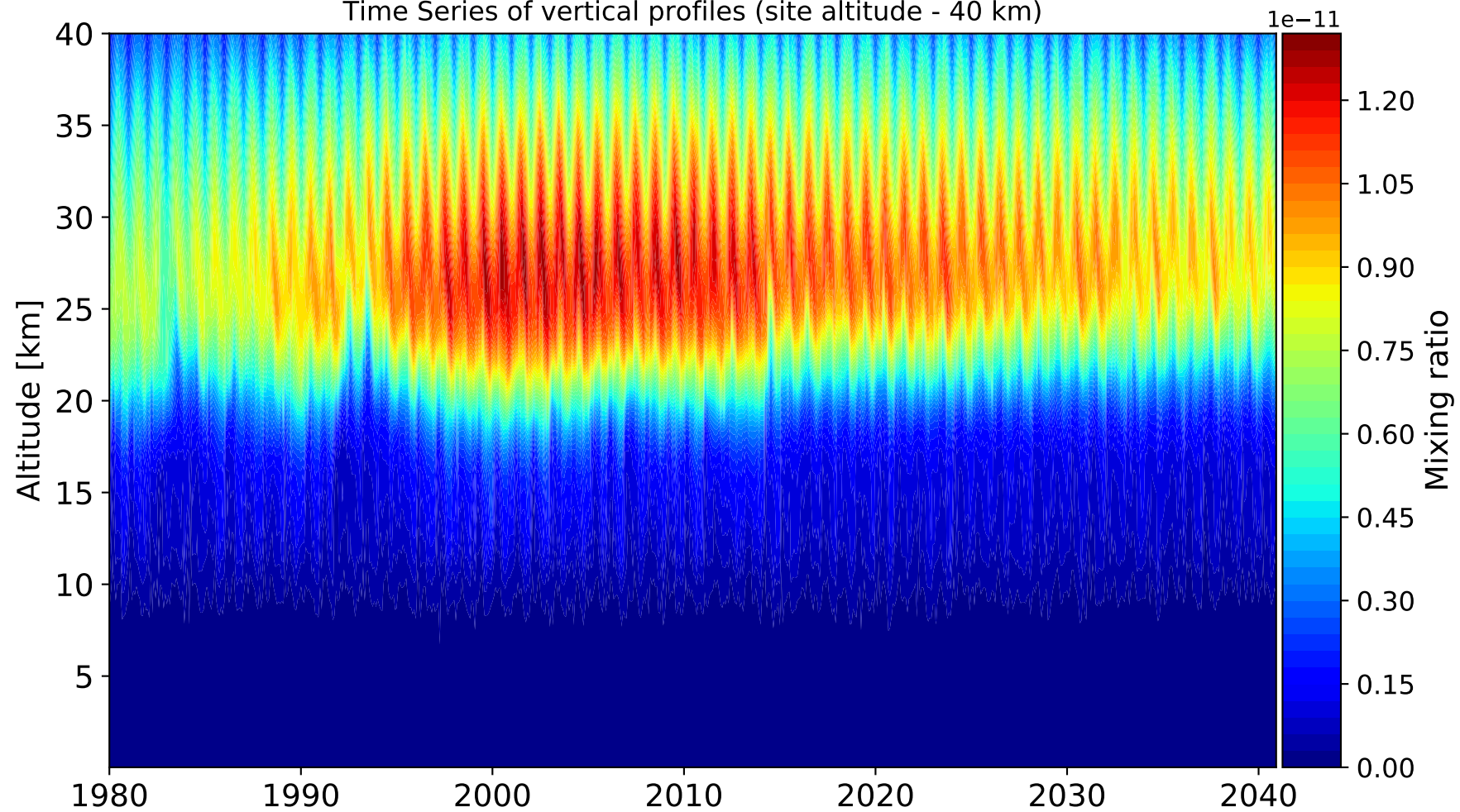


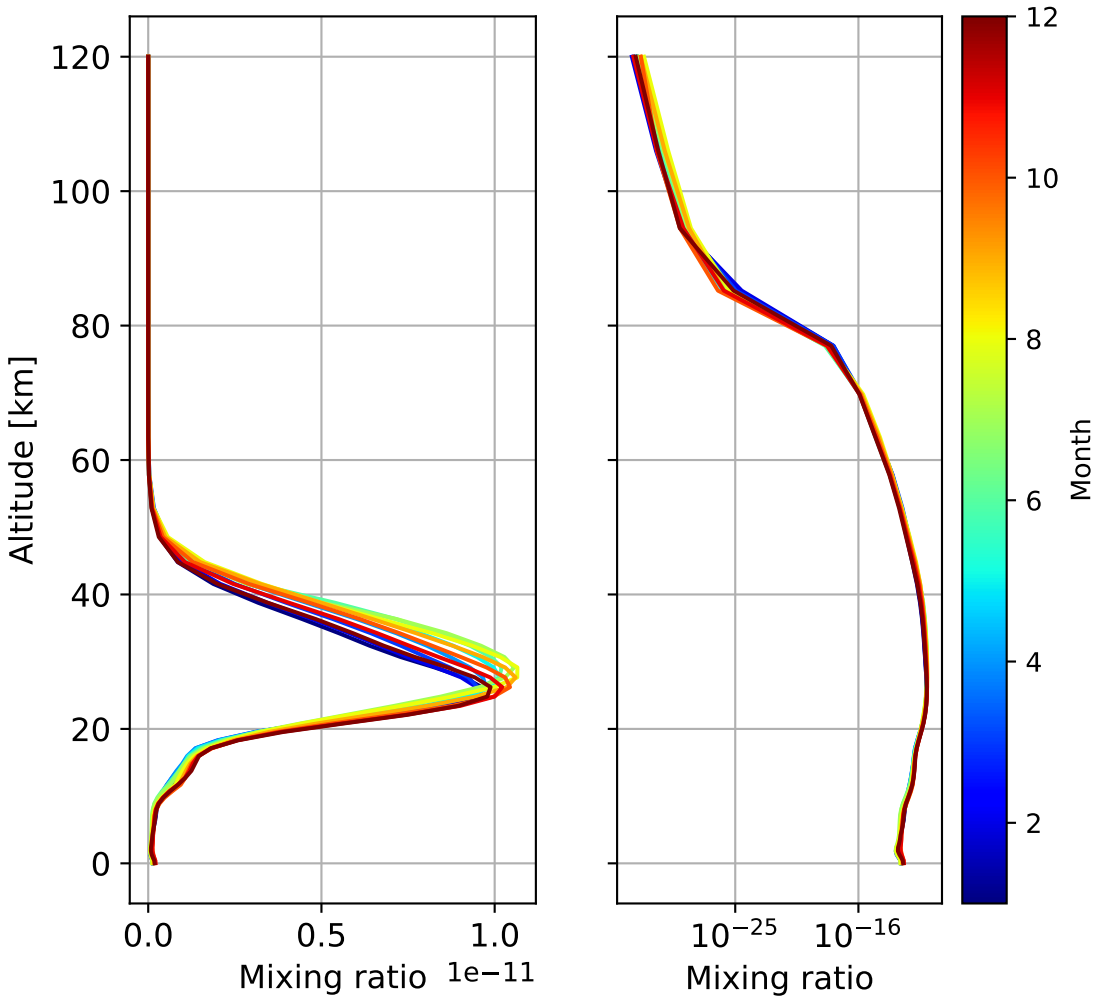
Time Series of vertical profiles (site altitude - 120 km)



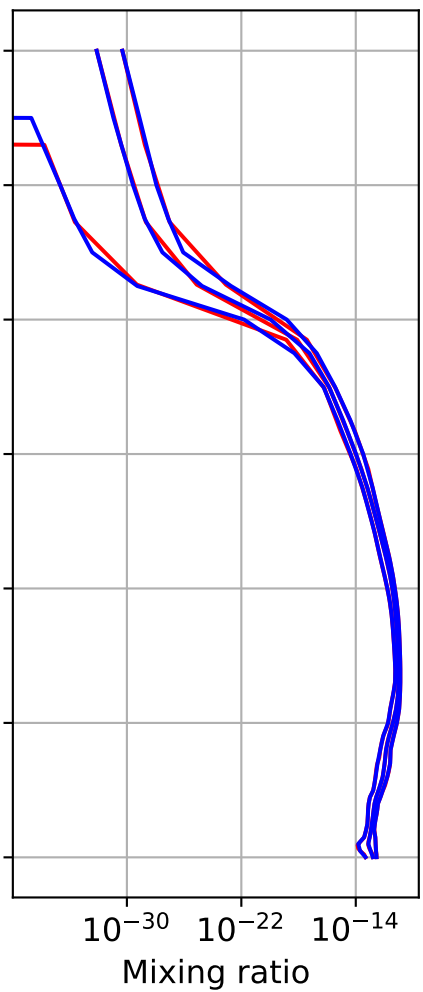
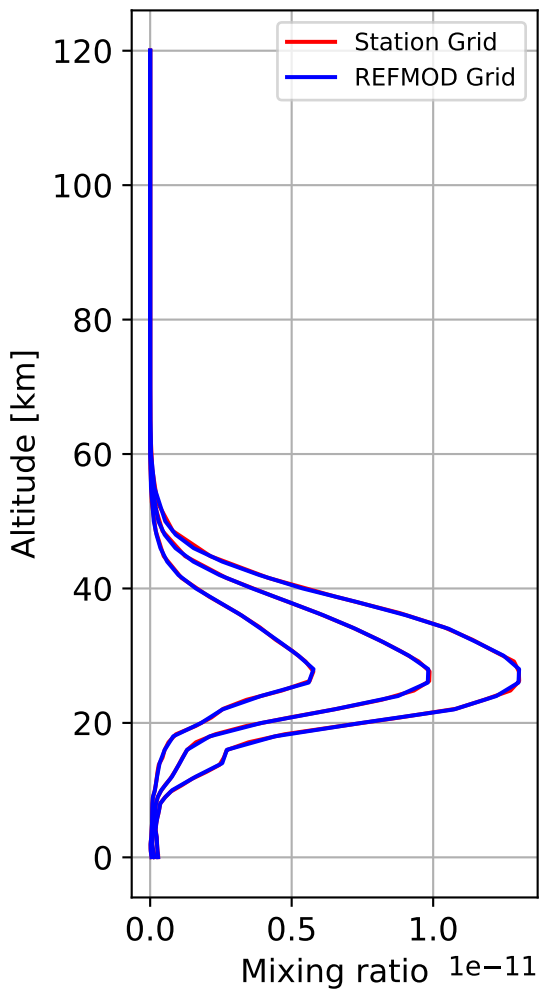
Time Series of vertical profiles (site altitude - 40 km)



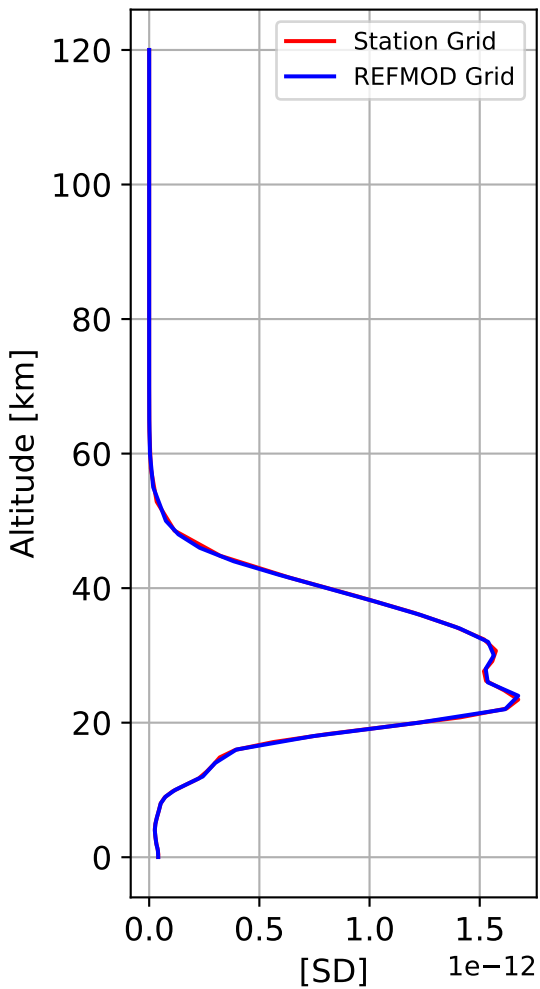
Monthly mean WACCM profile (interpolated to station grid) Wollongong, -34.4061N, 150.8793E, 0.03kmasl



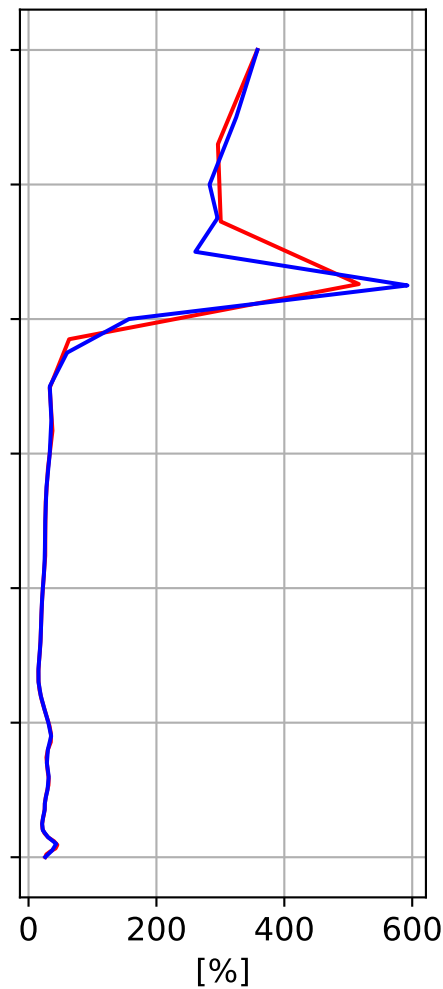
Min, Max, Mean of 732 profiles Wollongong, -34.4061N, 150.8793E, 0.03kmasl



Std. Deviation



Percent Deviation

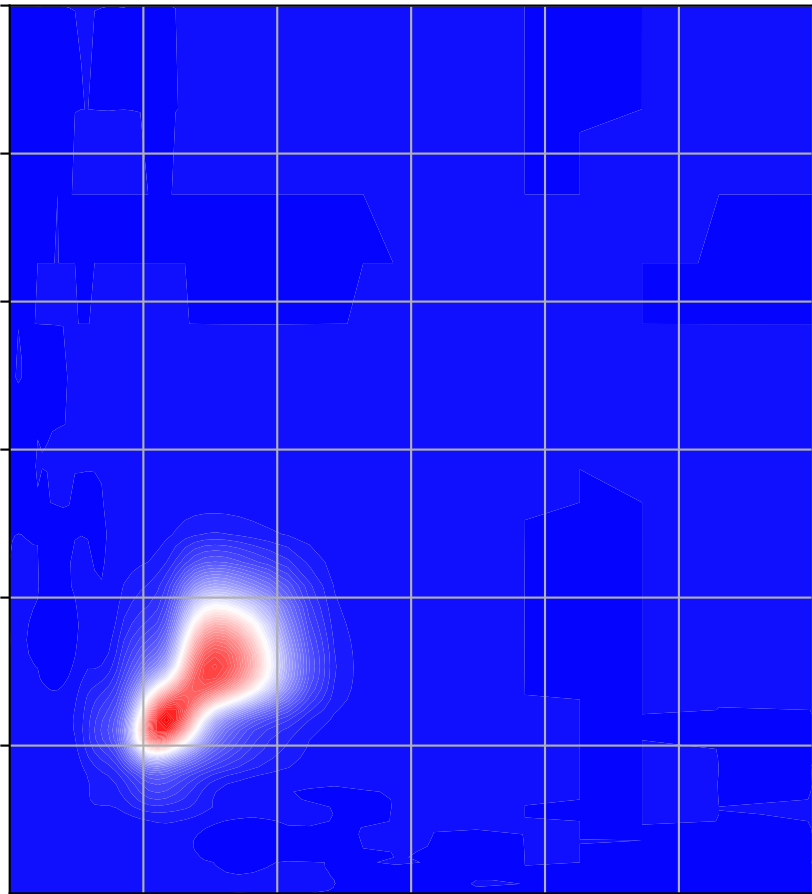


Level covariance matrix

$1e-24$

Altitude [km]

120
100
80
60
40
20



20 40 60 80 100 120

Altitude [km]

Mixing ratio[~ 2]

2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0