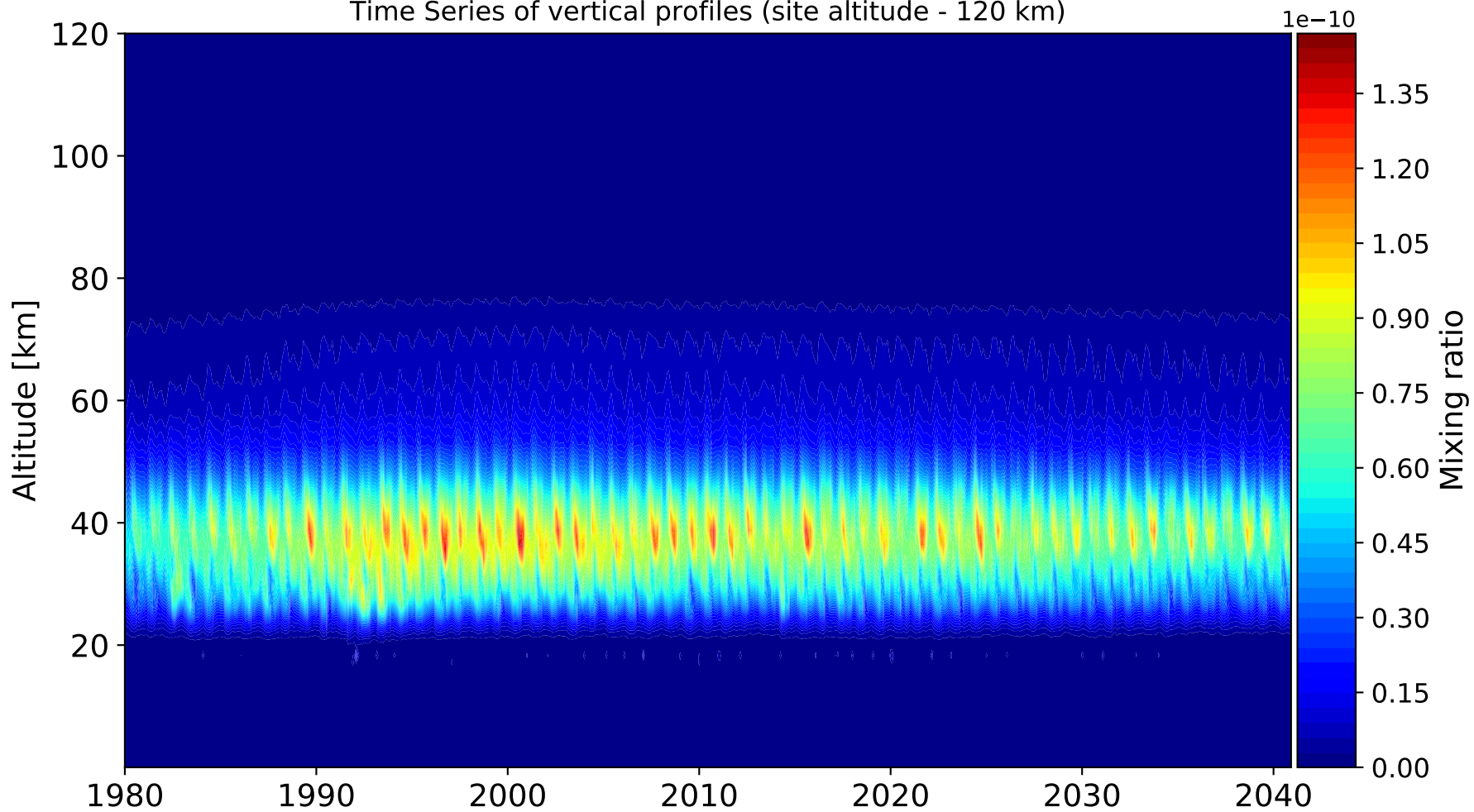
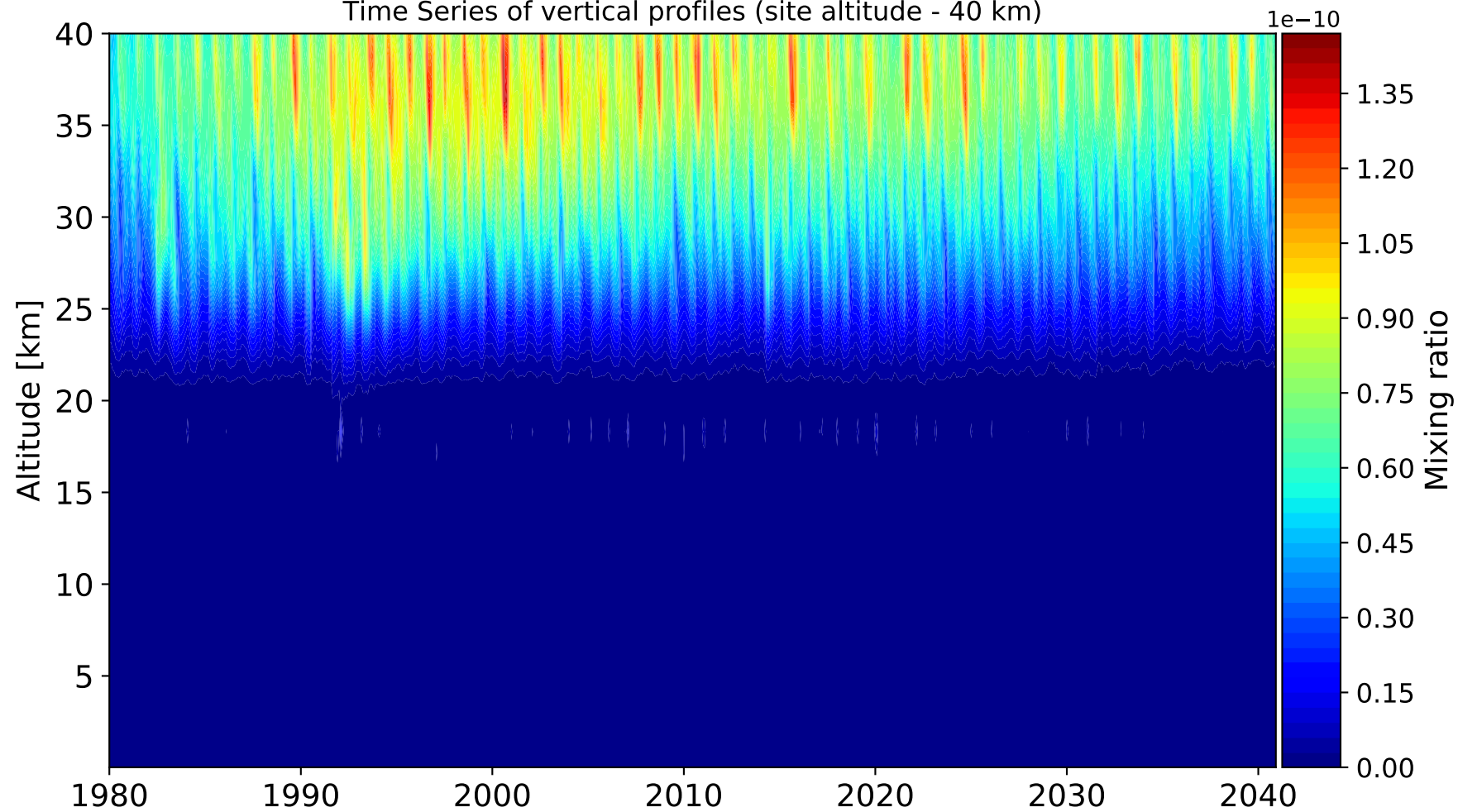


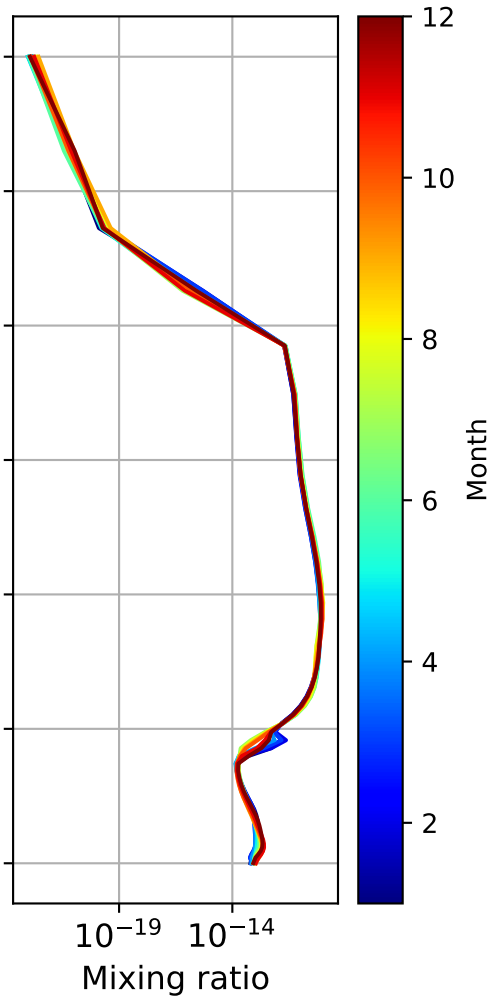
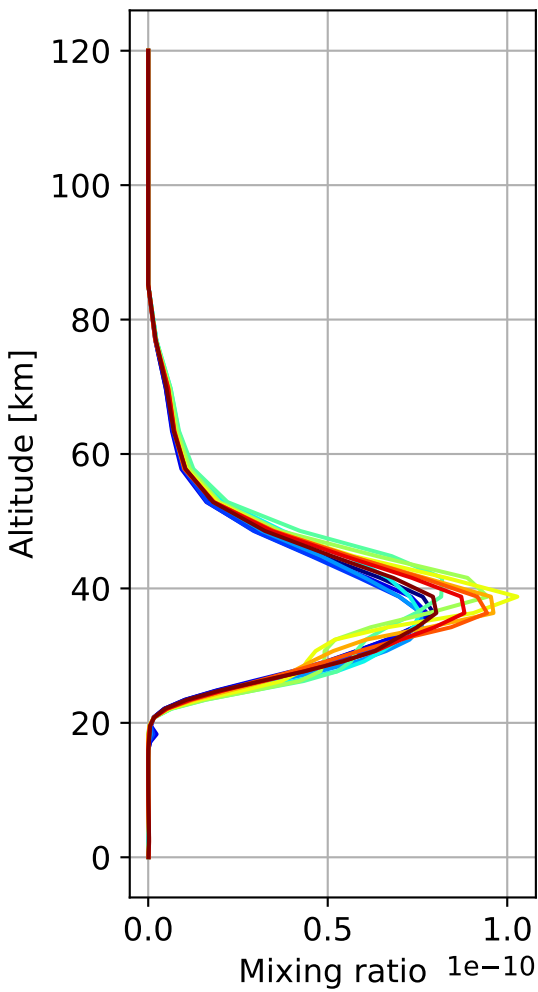
Time Series of vertical profiles (site altitude - 120 km)



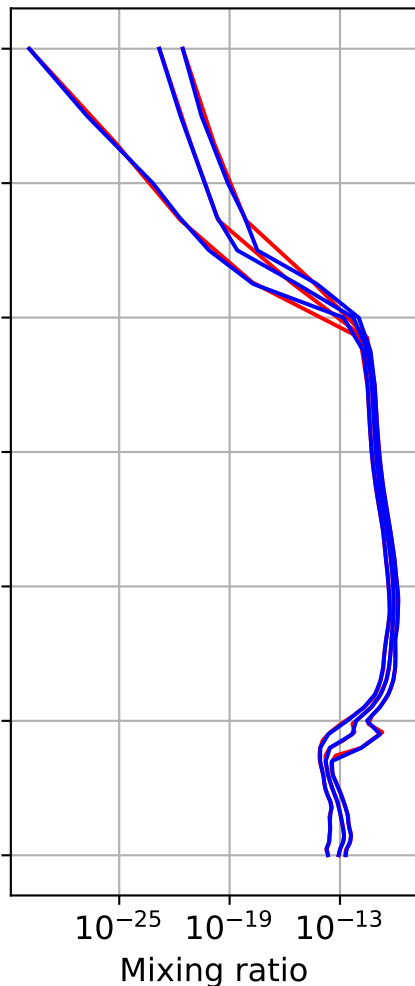
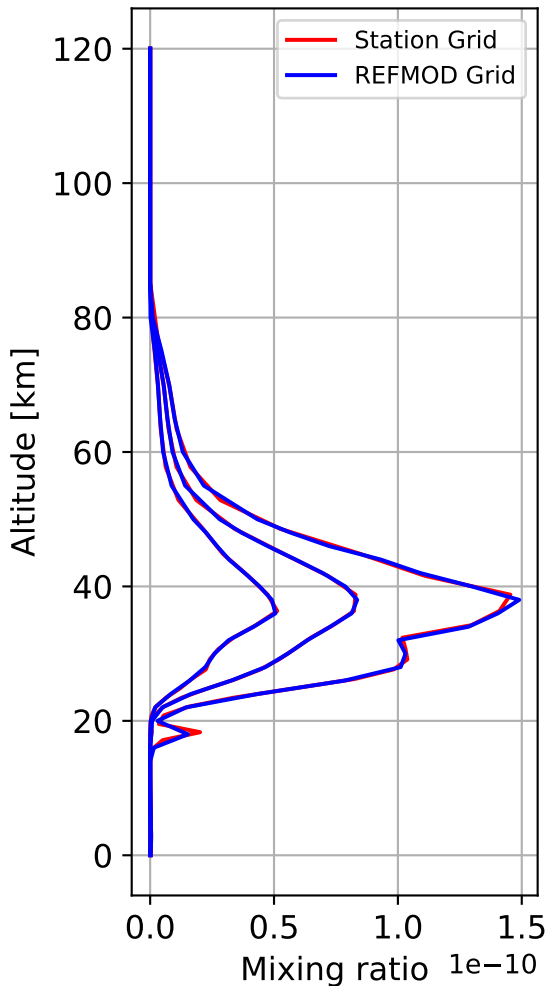
Time Series of vertical profiles (site altitude - 40 km)



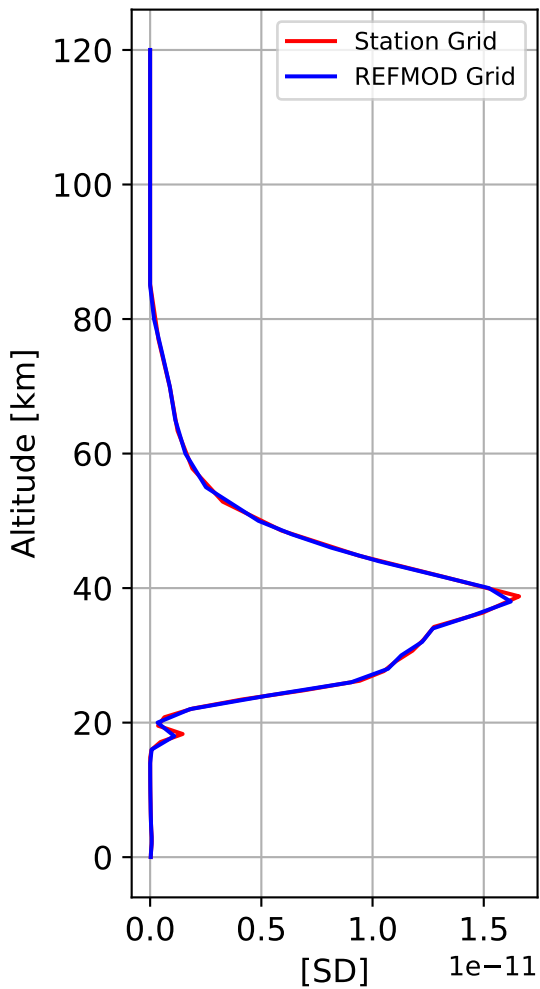
Monthly mean WACCM profile (interpolated to station grid) Darwin, -12.424N, 130.89E, 0.02kmasl



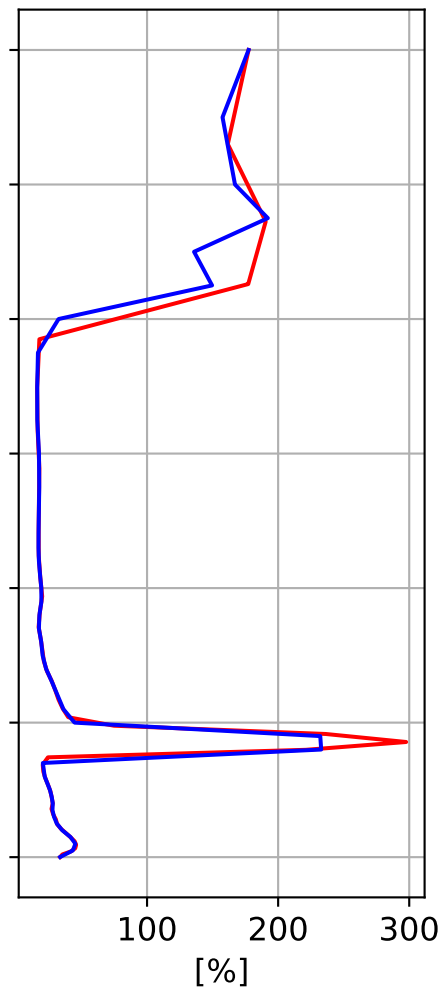
Min, Max, Mean of 732 profiles
Darwin, -12.424N, 130.89E, 0.02kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-22

Altitude [km]

120
100
80
60
40
20

20 40 60 80 100 120

Altitude [km]

2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0Mixing ratio[~ 2]