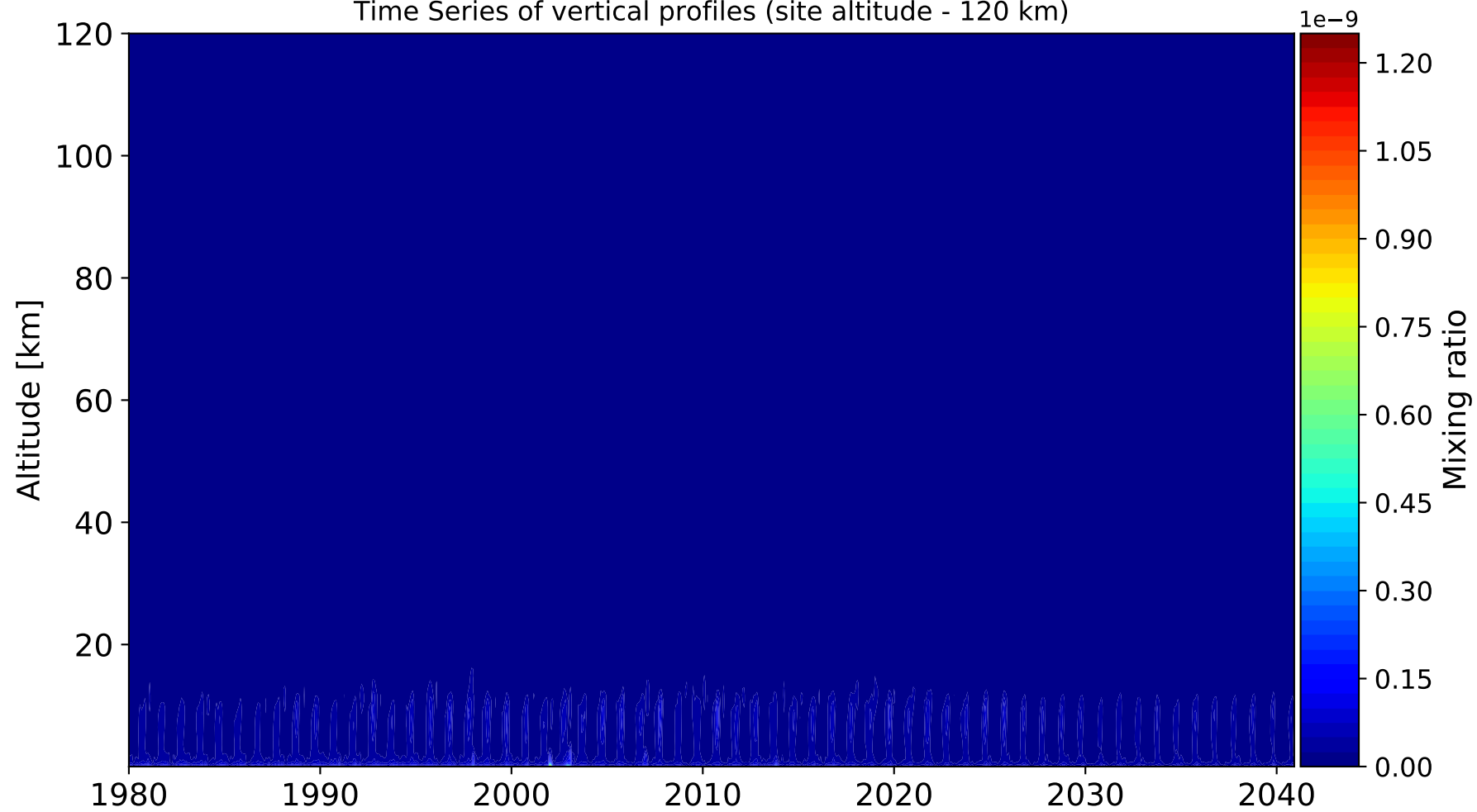
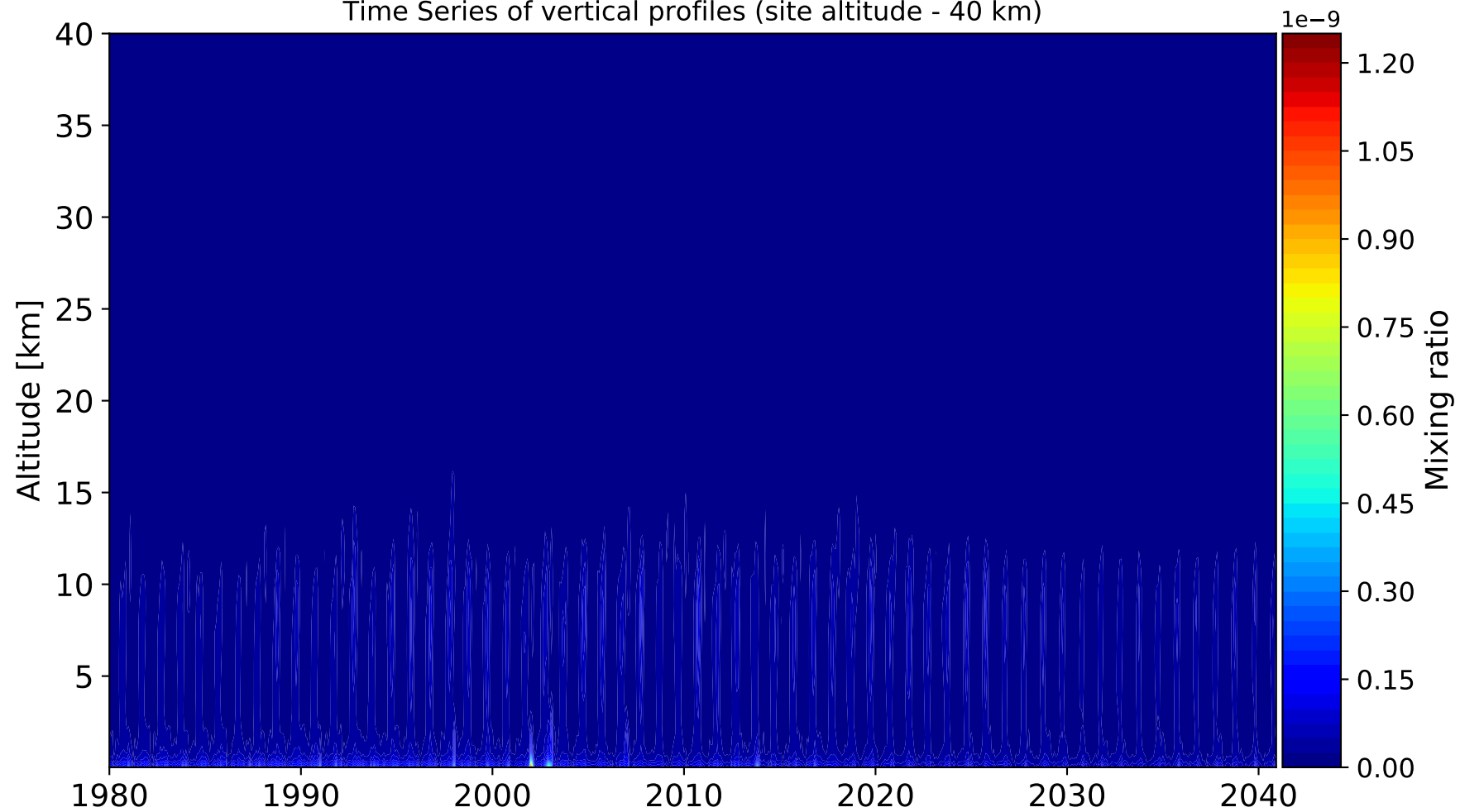


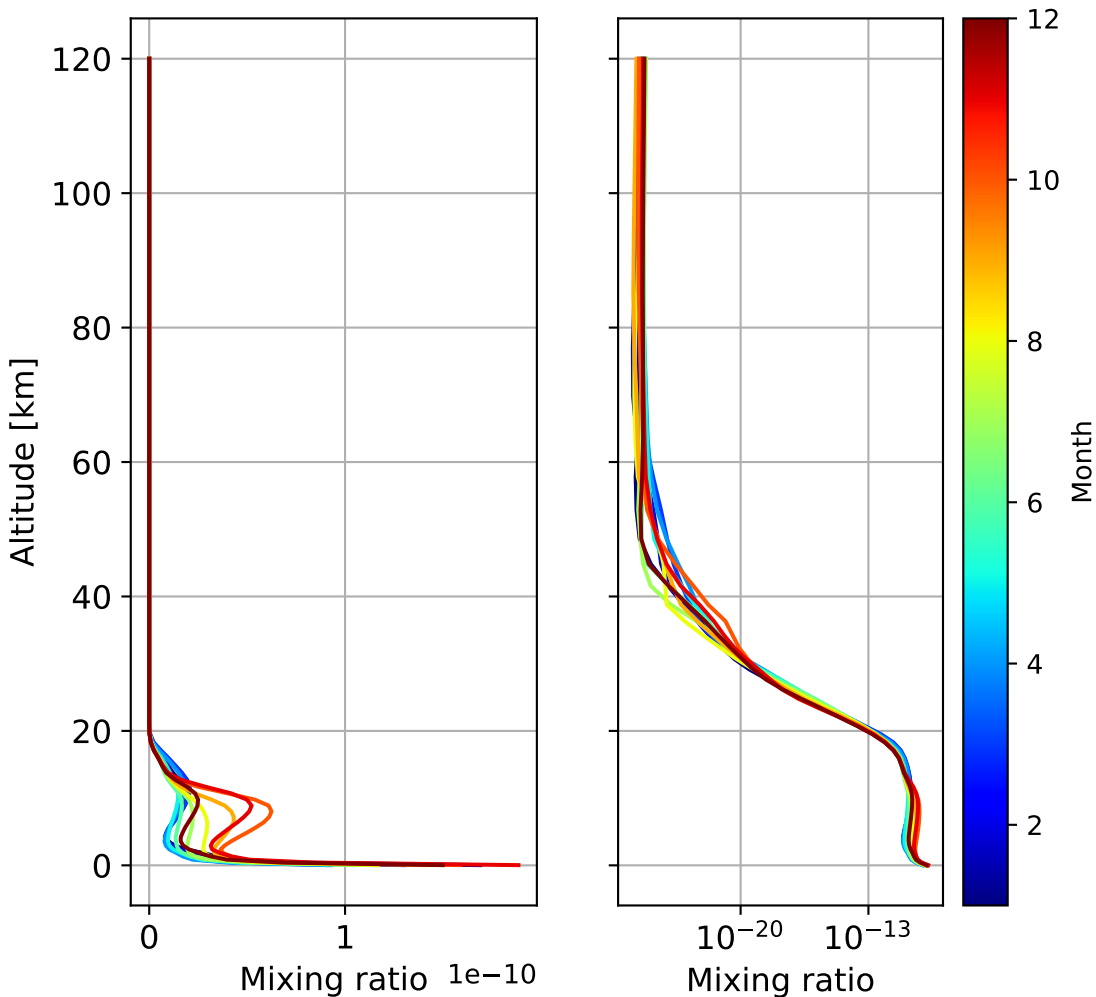
Time Series of vertical profiles (site altitude - 120 km)



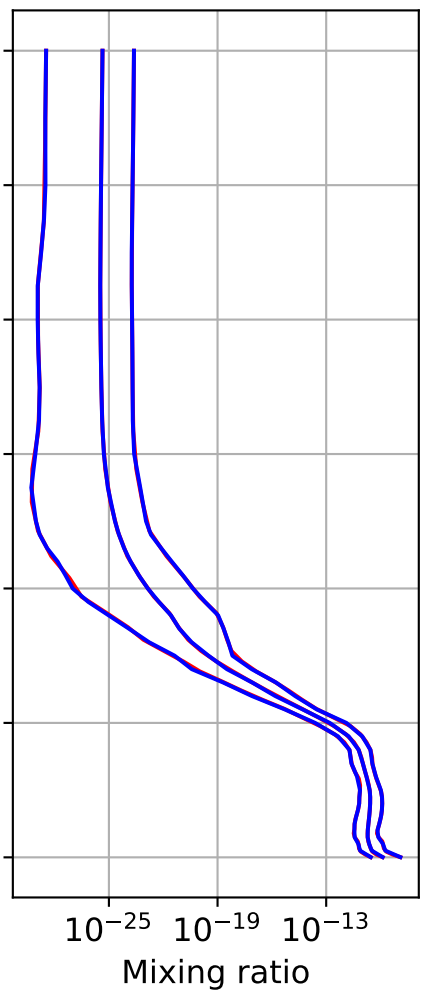
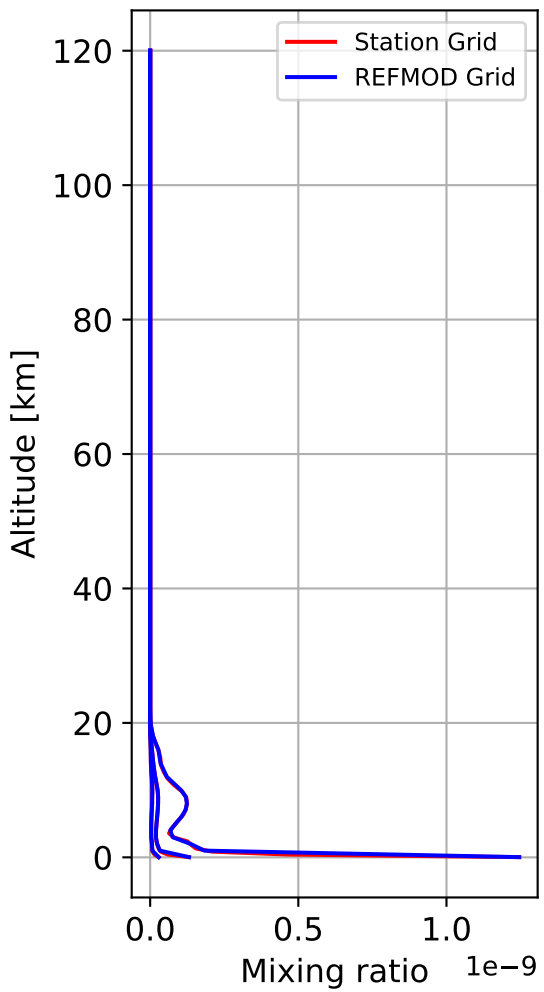
Time Series of vertical profiles (site altitude - 40 km)



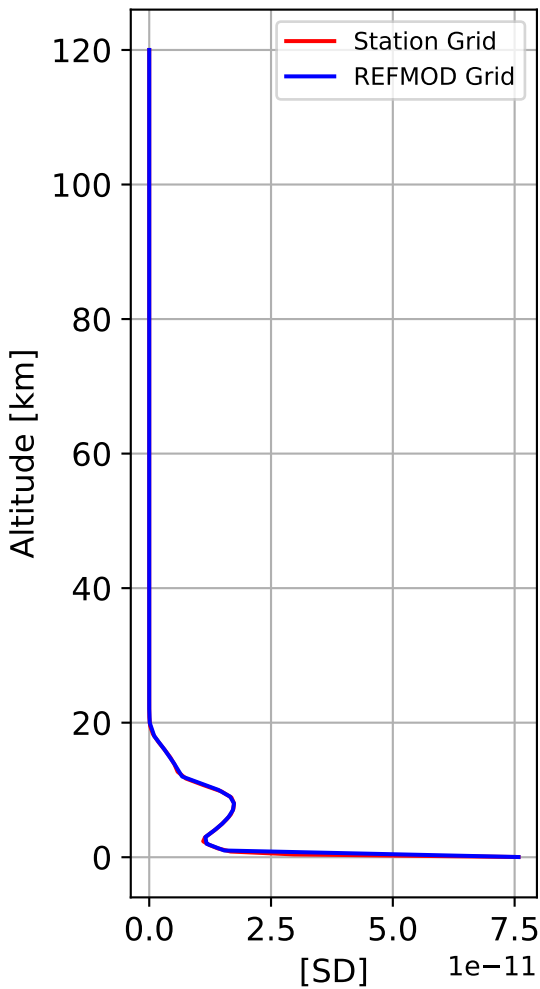
Monthly mean WACCM profile (interpolated to station grid)  
Wollongong, -34.4061N, 150.8793E, 0.03kmasl



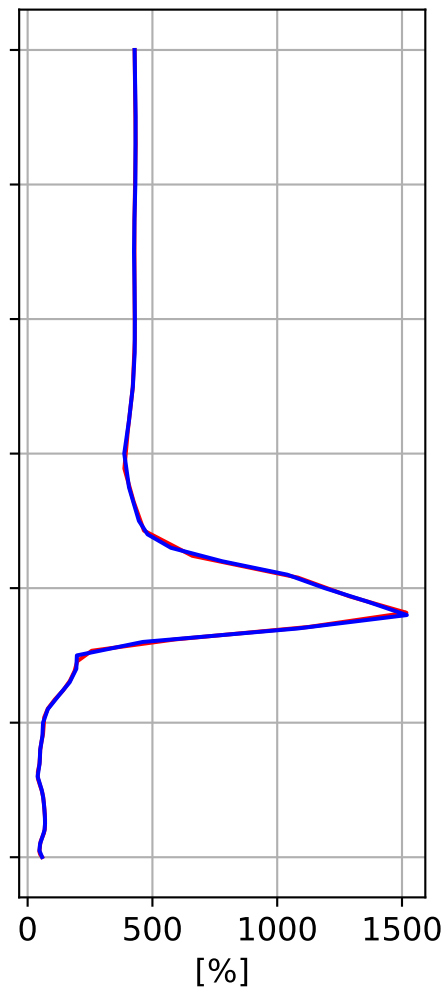
# Min, Max, Mean of 732 profiles Wollongong, -34.4061N, 150.8793E, 0.03kmasl



Std. Deviation



Percent Deviation



# Level covariance matrix

1e-21

Altitude [km]

120

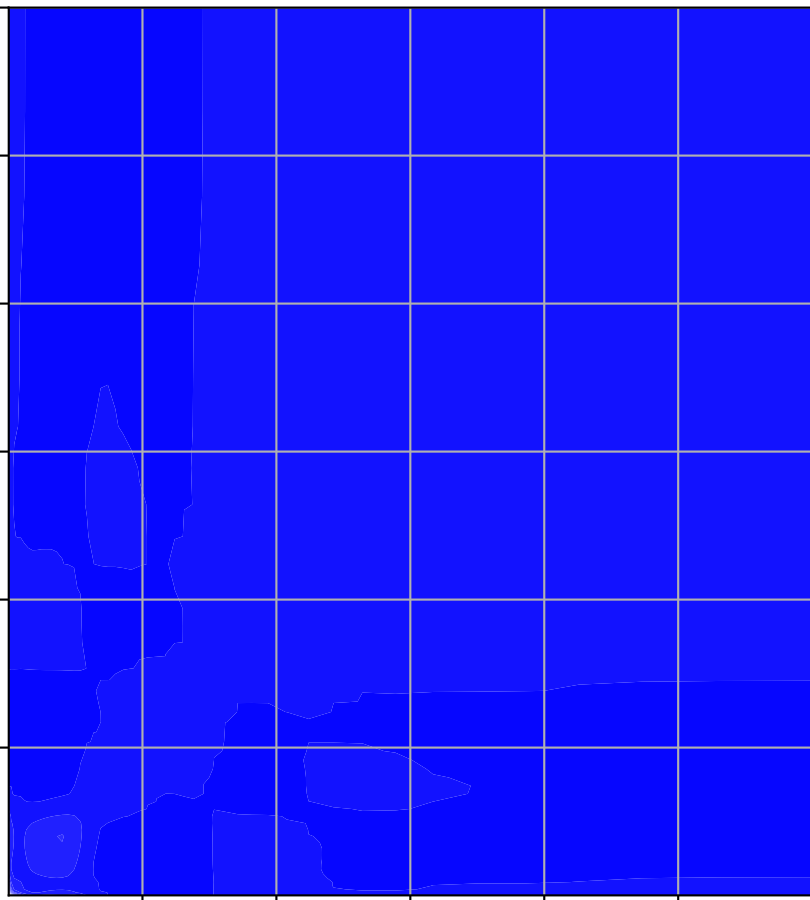
100

80

60

40

20



Altitude [km]

Mixing ratio[ $\sim 2$ ]

5.25

4.50

3.75

3.00

2.25

1.50

0.75

0.00