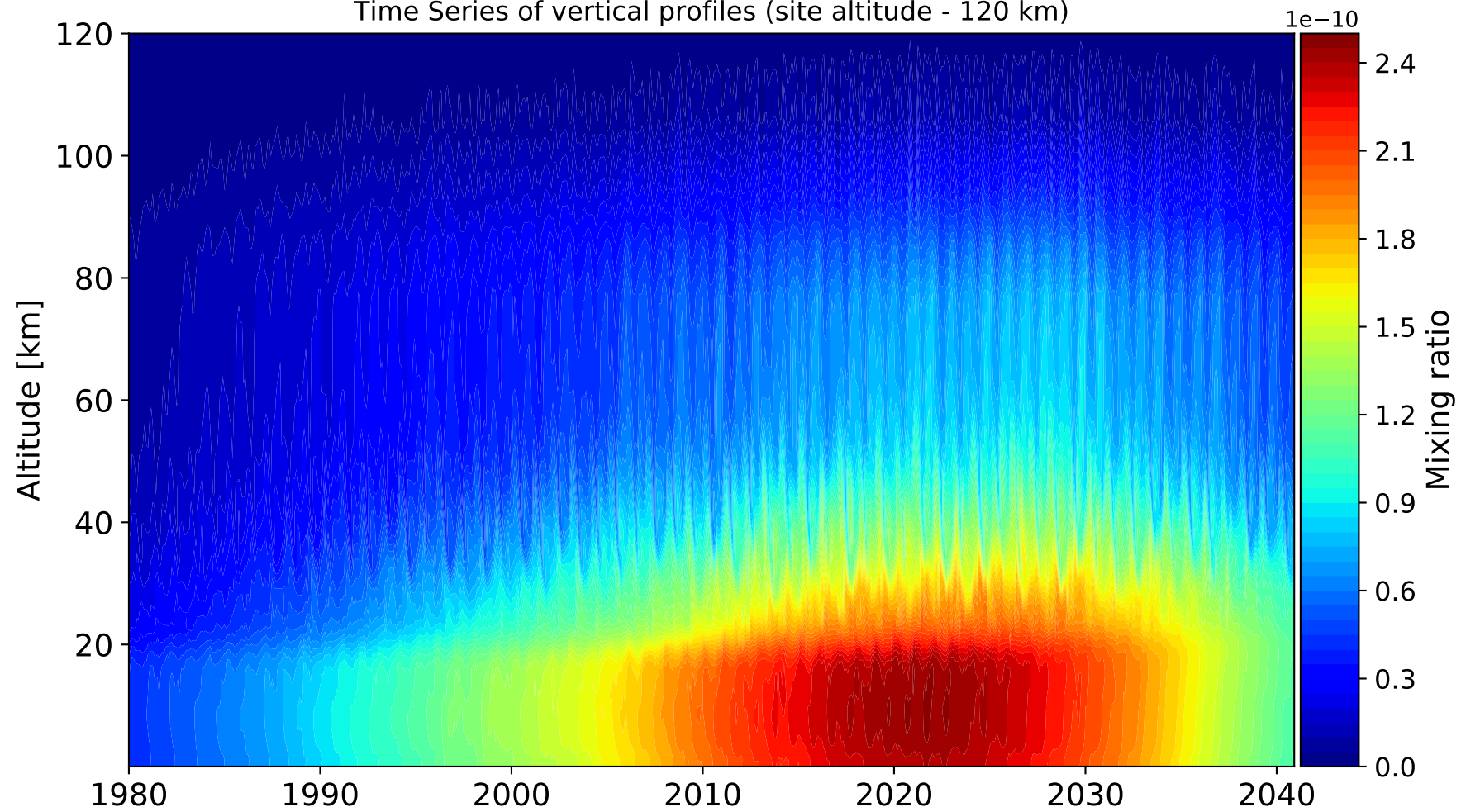
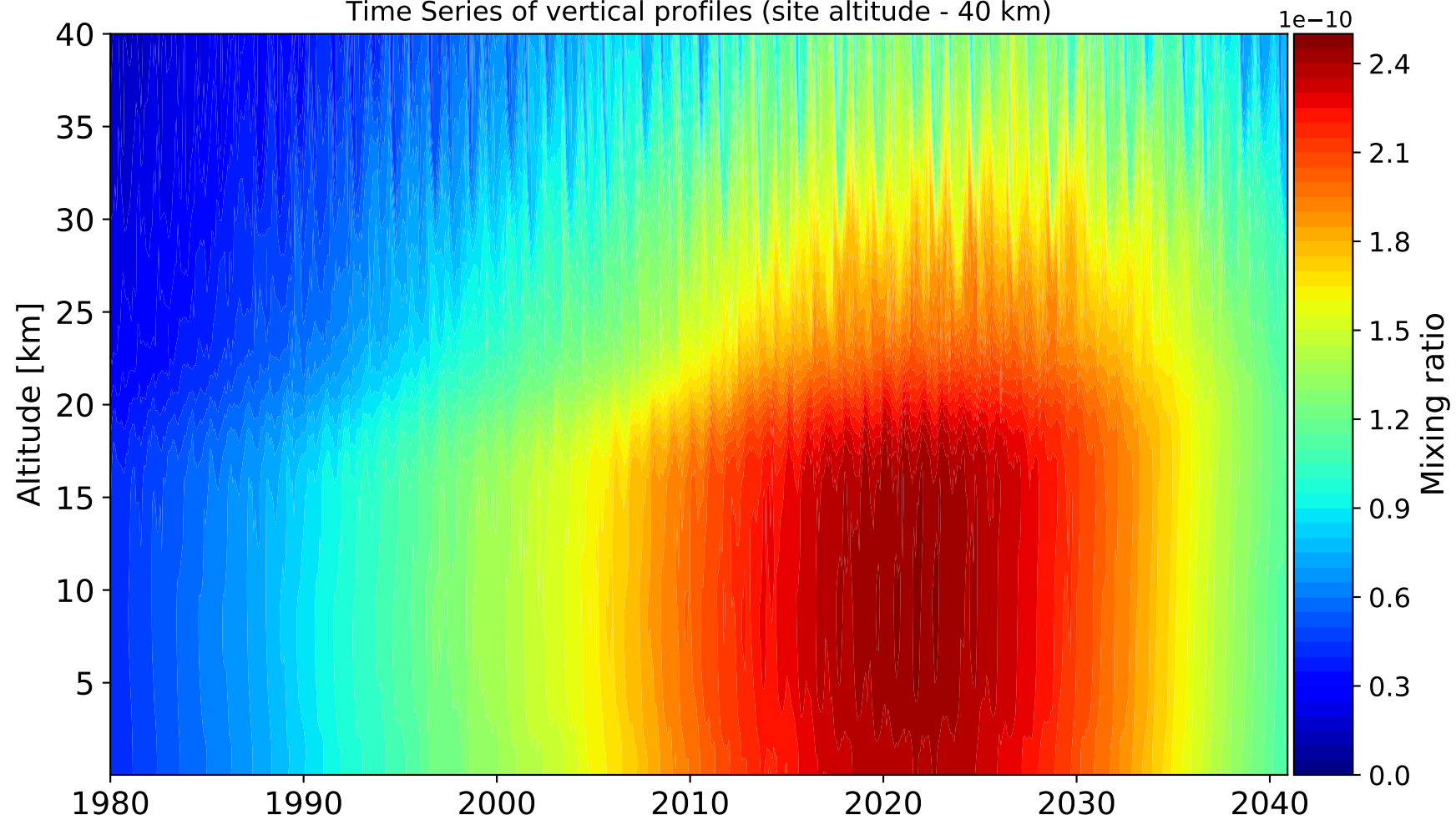


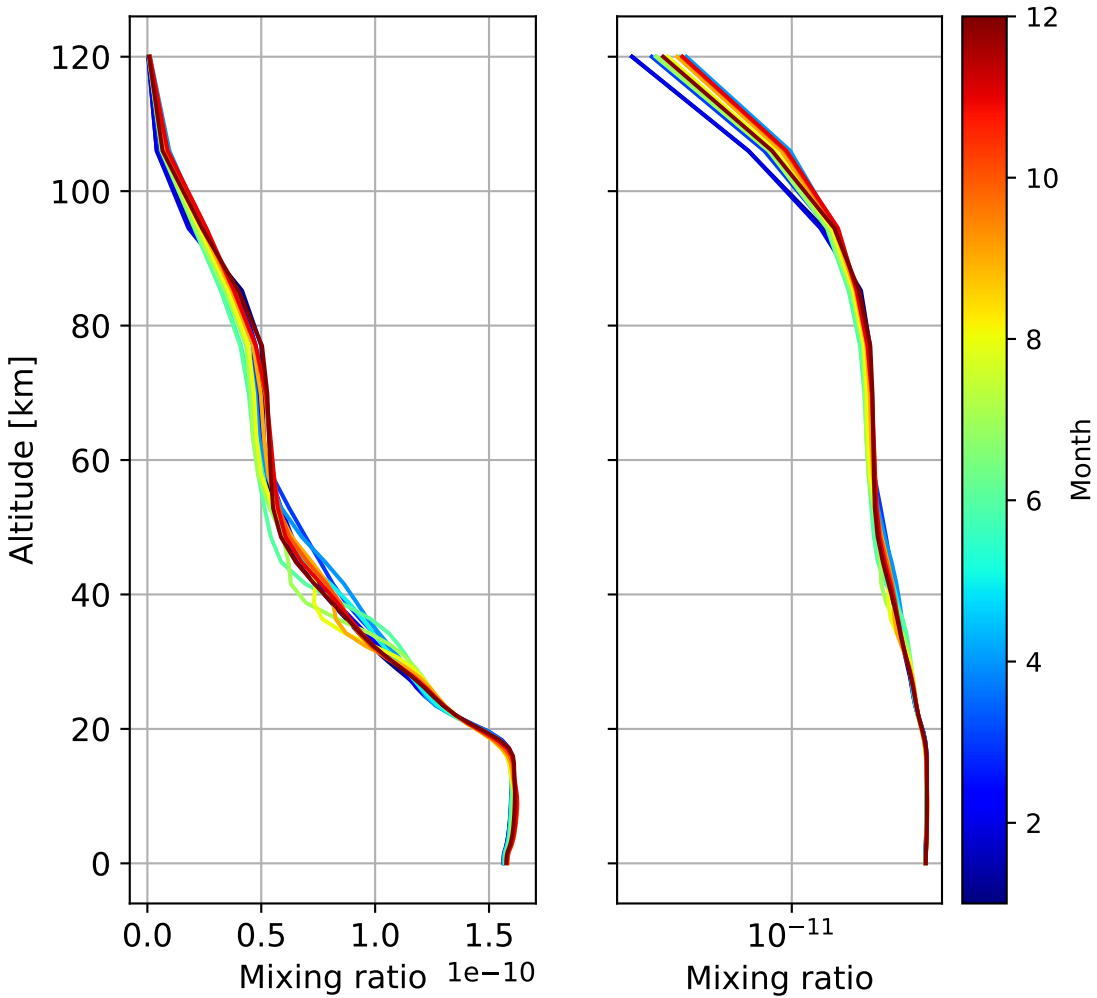
Time Series of vertical profiles (site altitude - 120 km)



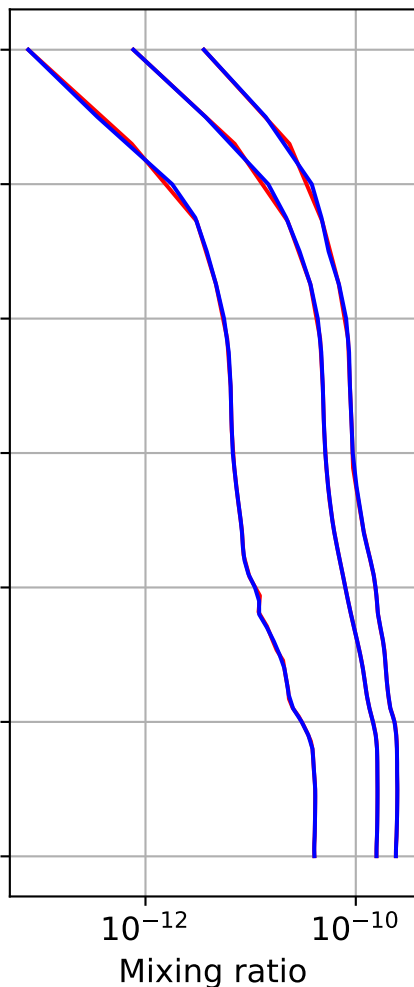
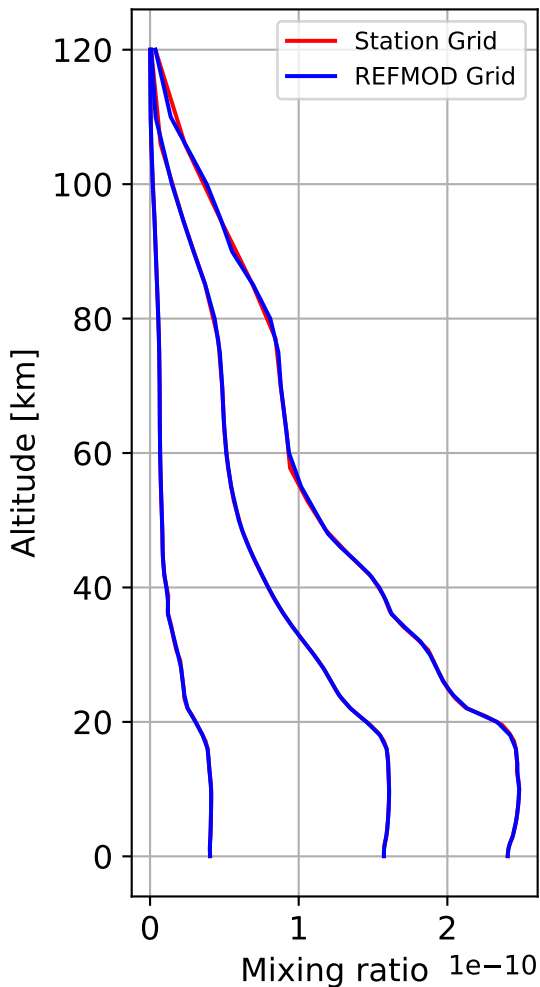
Time Series of vertical profiles (site altitude - 40 km)



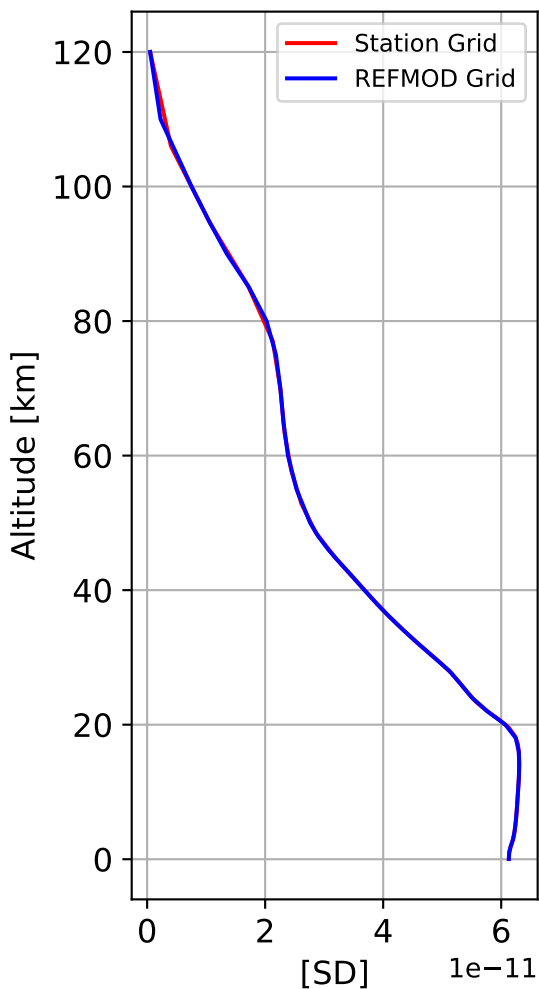
# Monthly mean WACCM profile (interpolated to station grid) Wollongong, -34.4061N, 150.8793E, 0.03kmasl



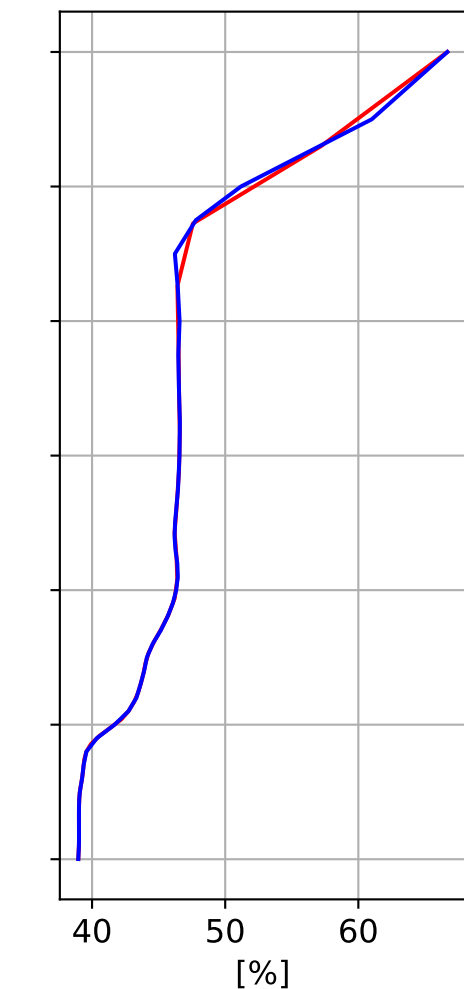
Min, Max, Mean of 732 profiles  
Wollongong, -34.4061N, 150.8793E, 0.03kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-21$

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

3.84

3.36

2.88

2.40

1.92

1.44

0.96

0.48

0.00

Mixing ratio<sup>2</sup>]

