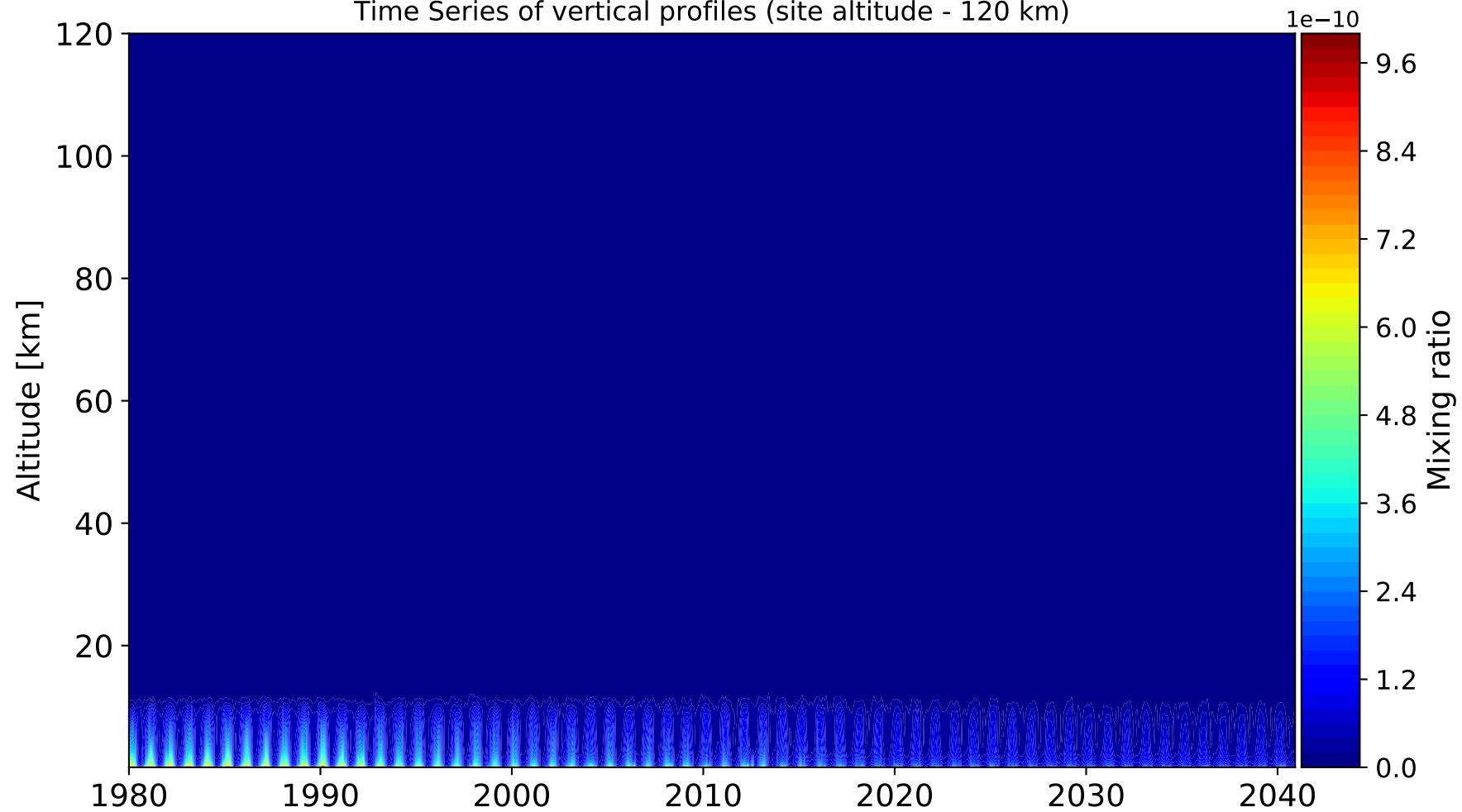


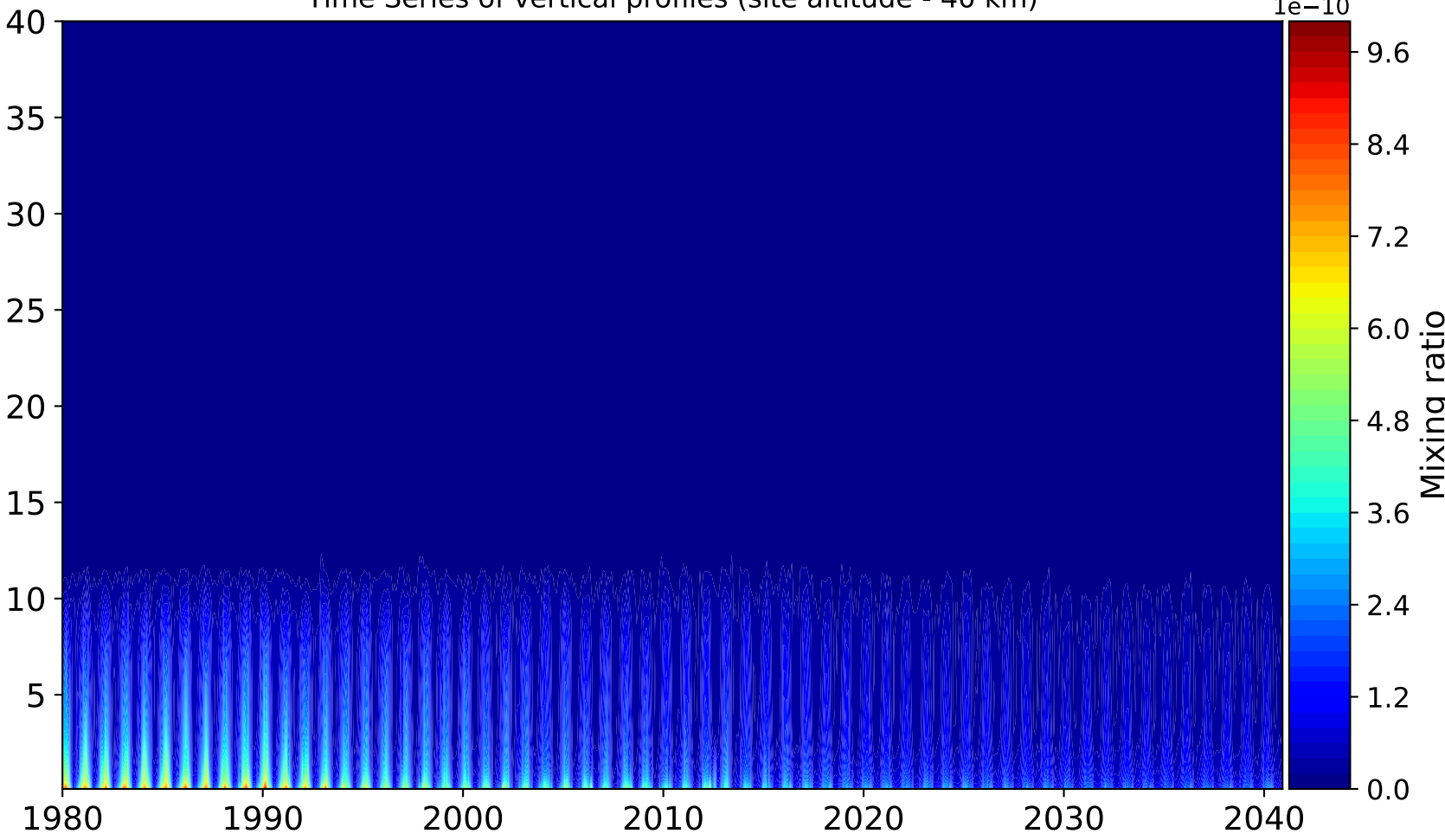
Time Series of vertical profiles (site altitude - 120 km)



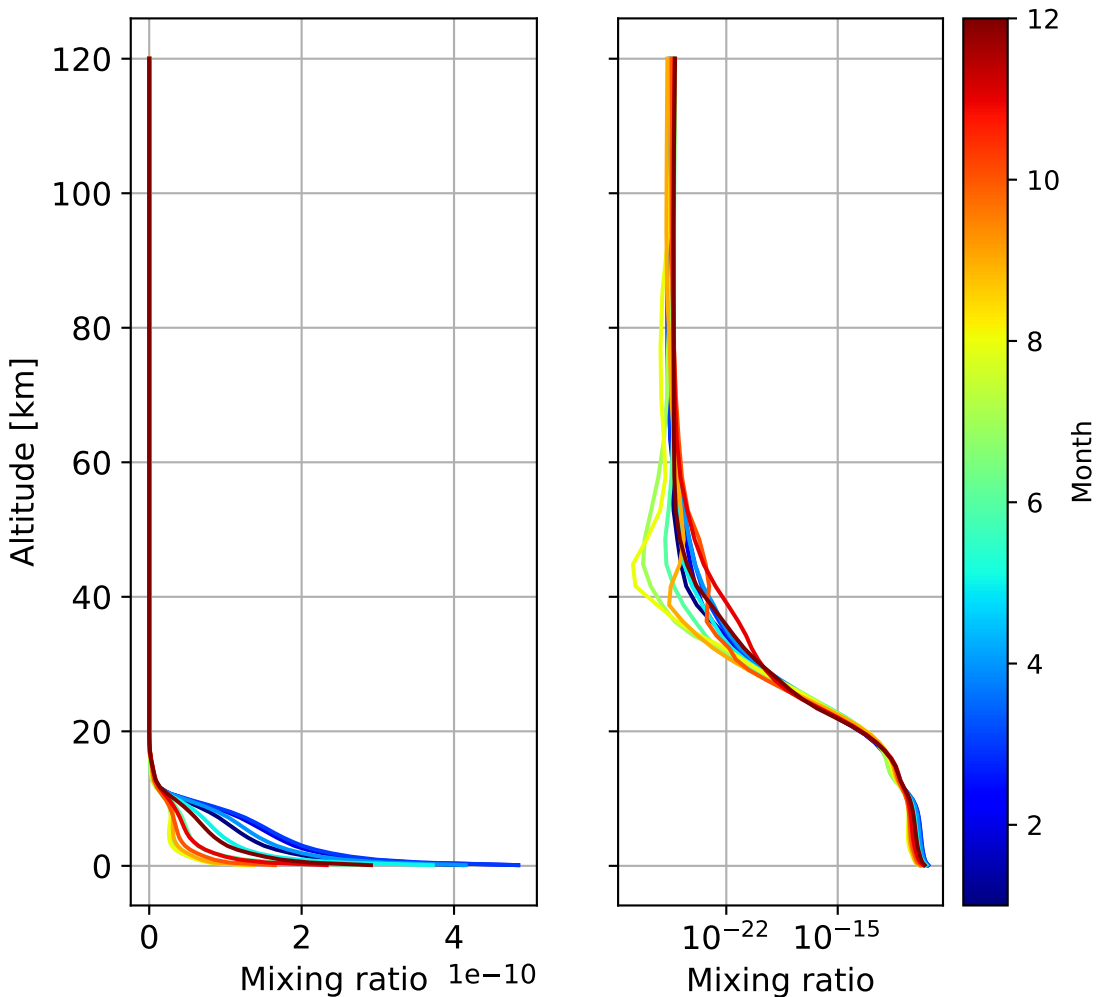
Time Series of vertical profiles (site altitude - 40 km)

$1e-10$

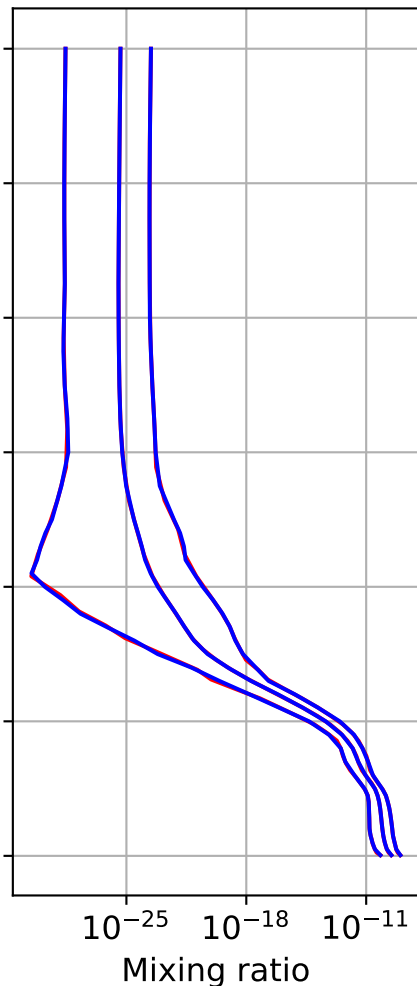
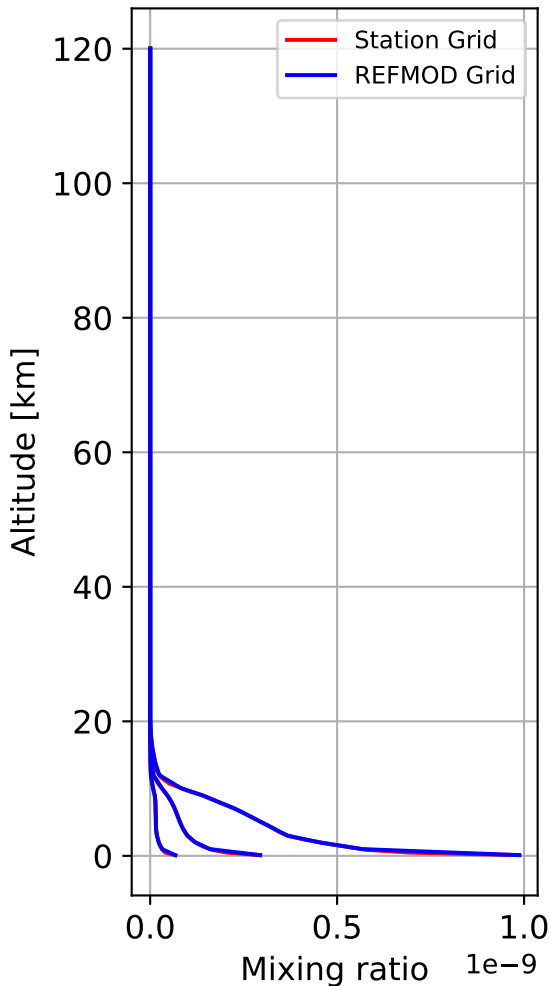
Altitude [km]



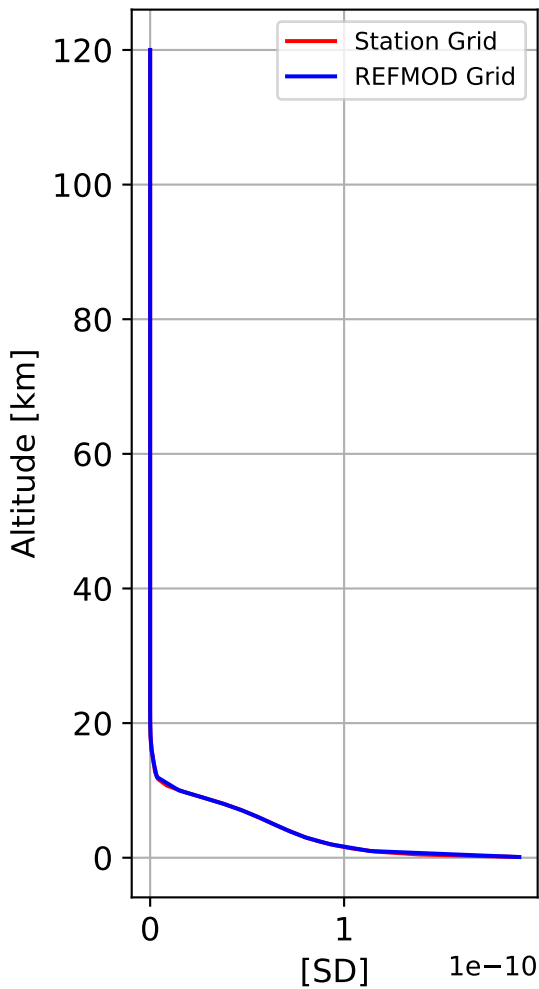
Monthly mean WACCM profile (interpolated to station grid)
Tomsk, 56.475N, 85.046E, 0.106kmasl



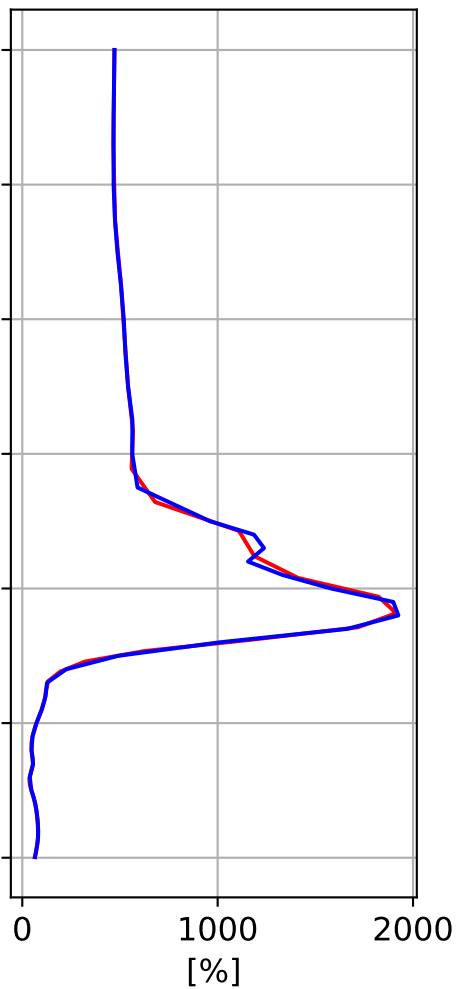
Min, Max, Mean of 732 profiles Tomsk, 56.475N, 85.046E, 0.106kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120

100

80

60

40

20

20

40

60

80

100

120

Altitude [km]

Mixing ratio[\wedge^2]

3.6

3.2

2.8

2.4

2.0

1.6

1.2

0.8

0.4

0.0

