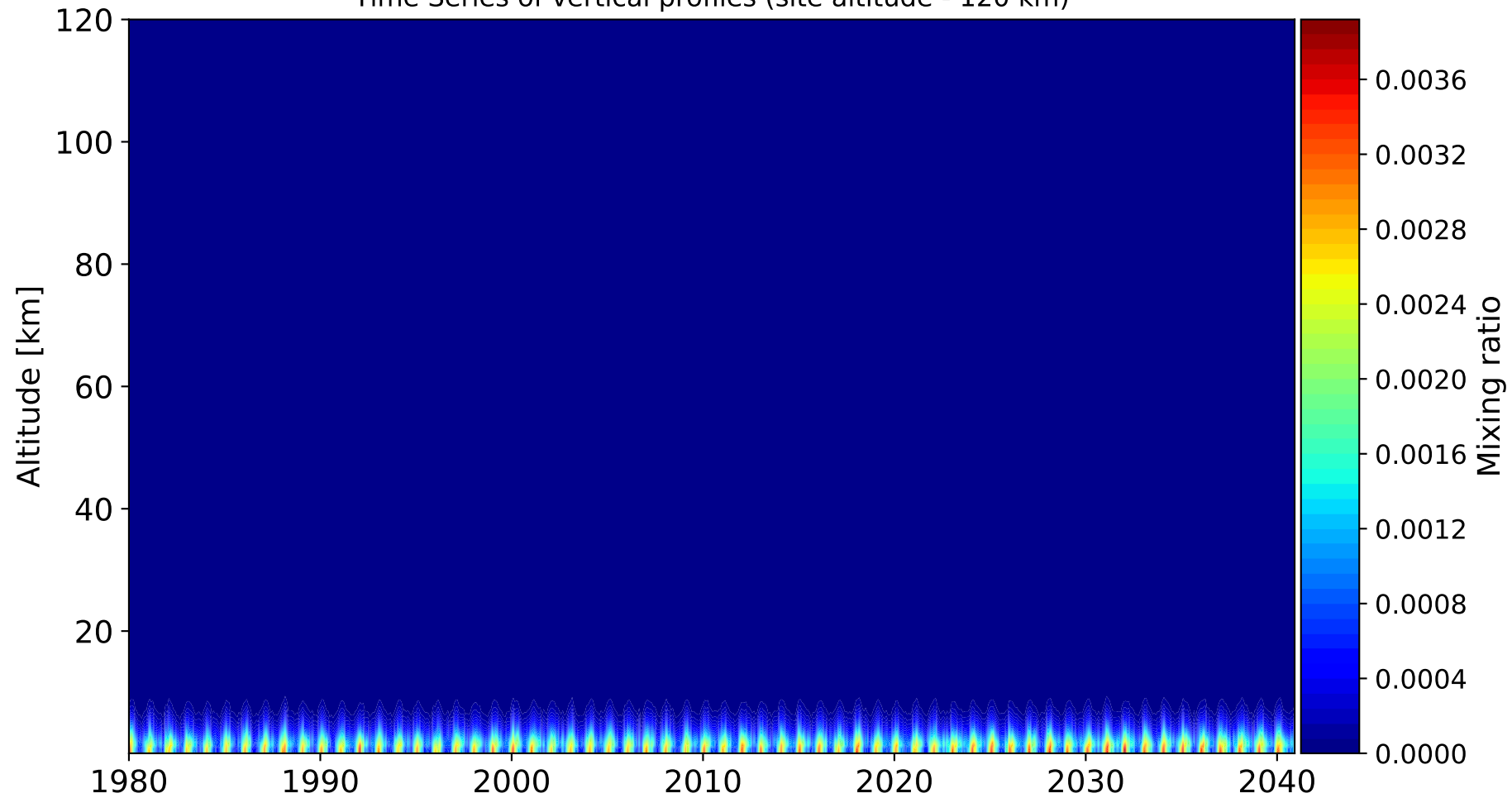
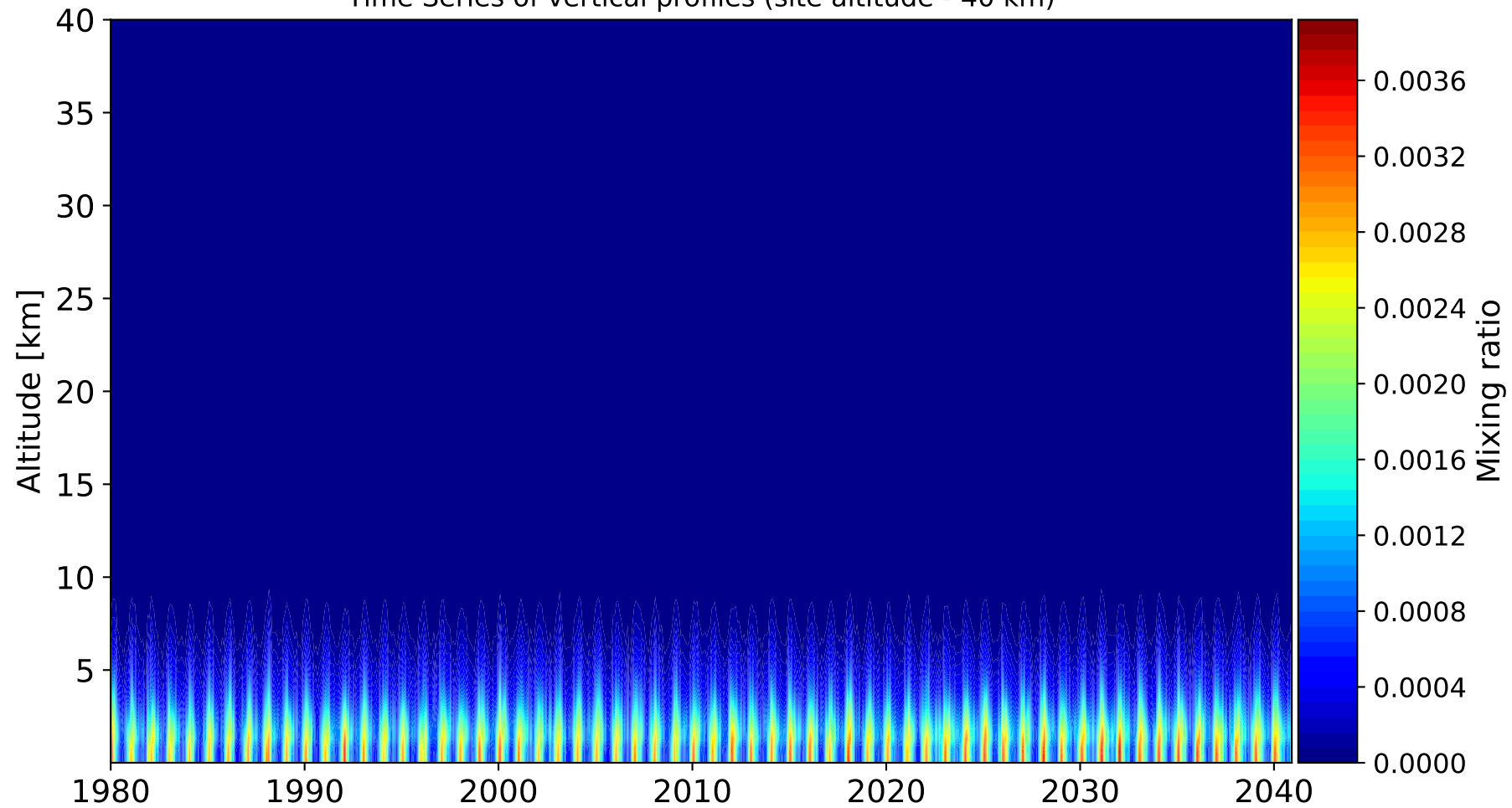


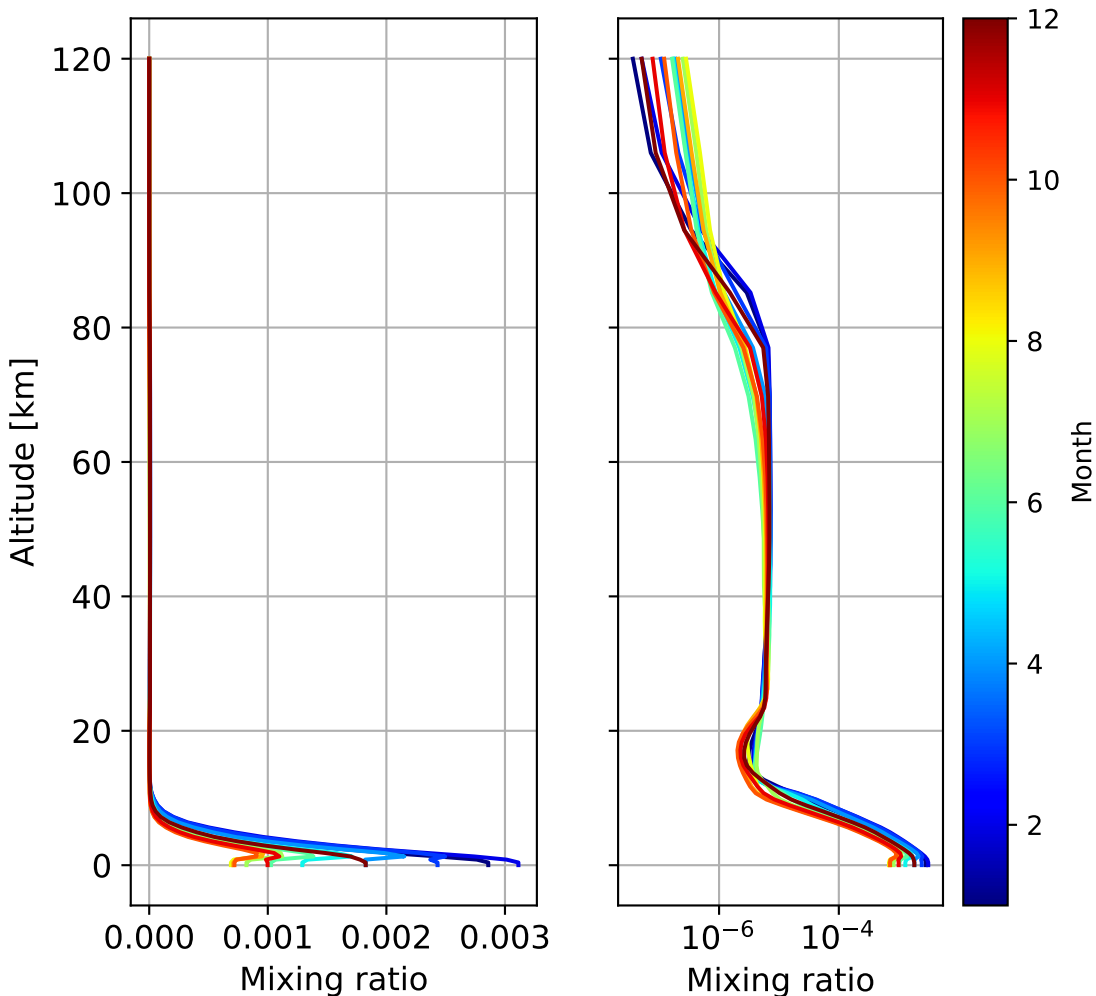
Time Series of vertical profiles (site altitude - 120 km)



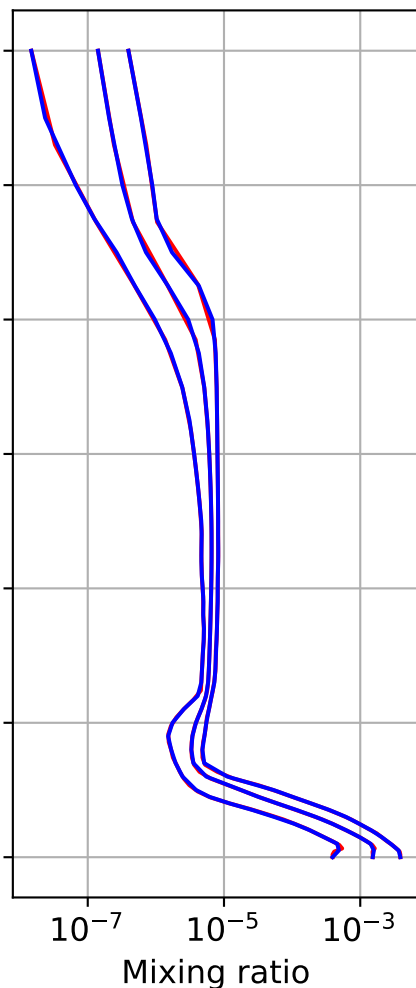
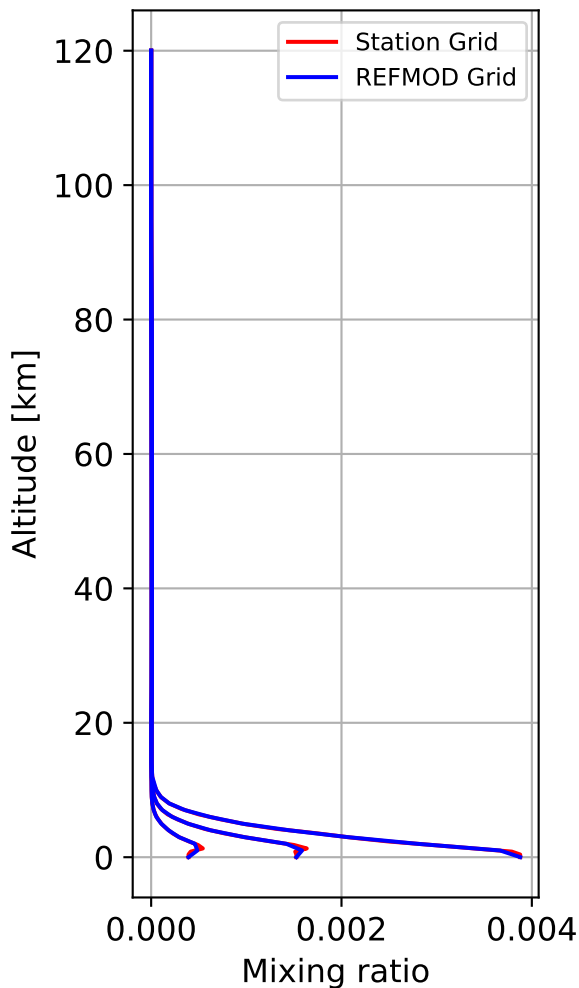
Time Series of vertical profiles (site altitude - 40 km)



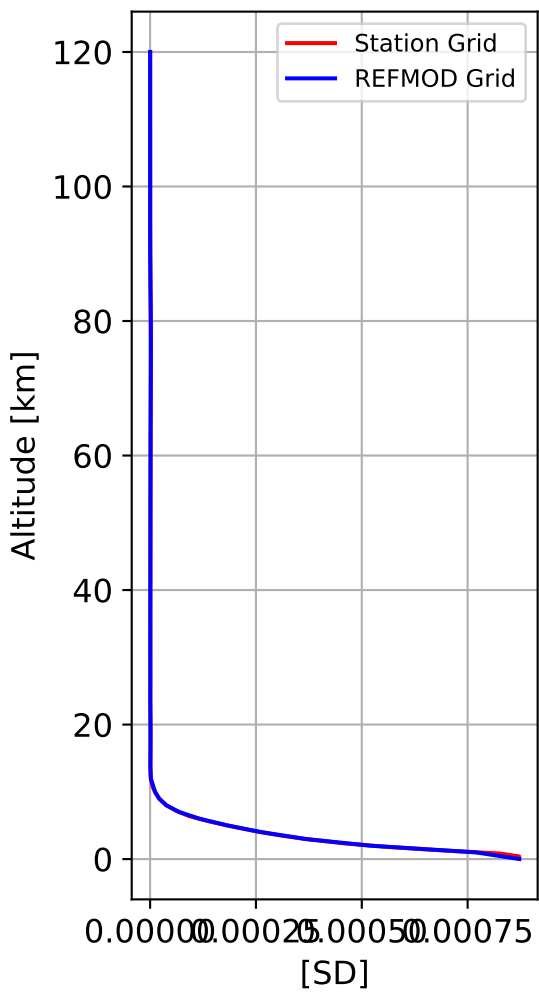
Monthly mean WACCM profile (interpolated to station grid)
Syowa_Station, -69.0N, 39.59E, 0.01kmasl



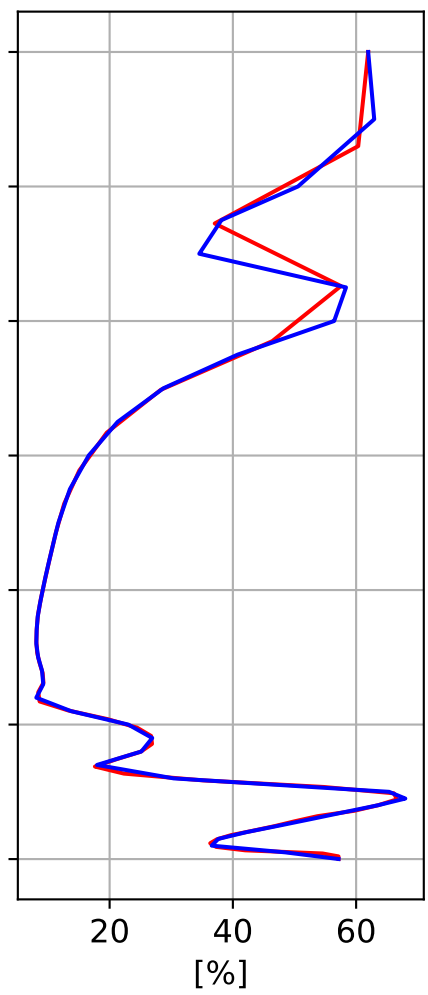
Min, Max, Mean of 732 profiles
Syowa_Station, -69.0N, 39.59E, 0.01kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-7

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

60

80

100

120

Mixing ratio²

7.2

6.3

5.4

4.5

3.6

2.7

1.8

0.9

0.0

