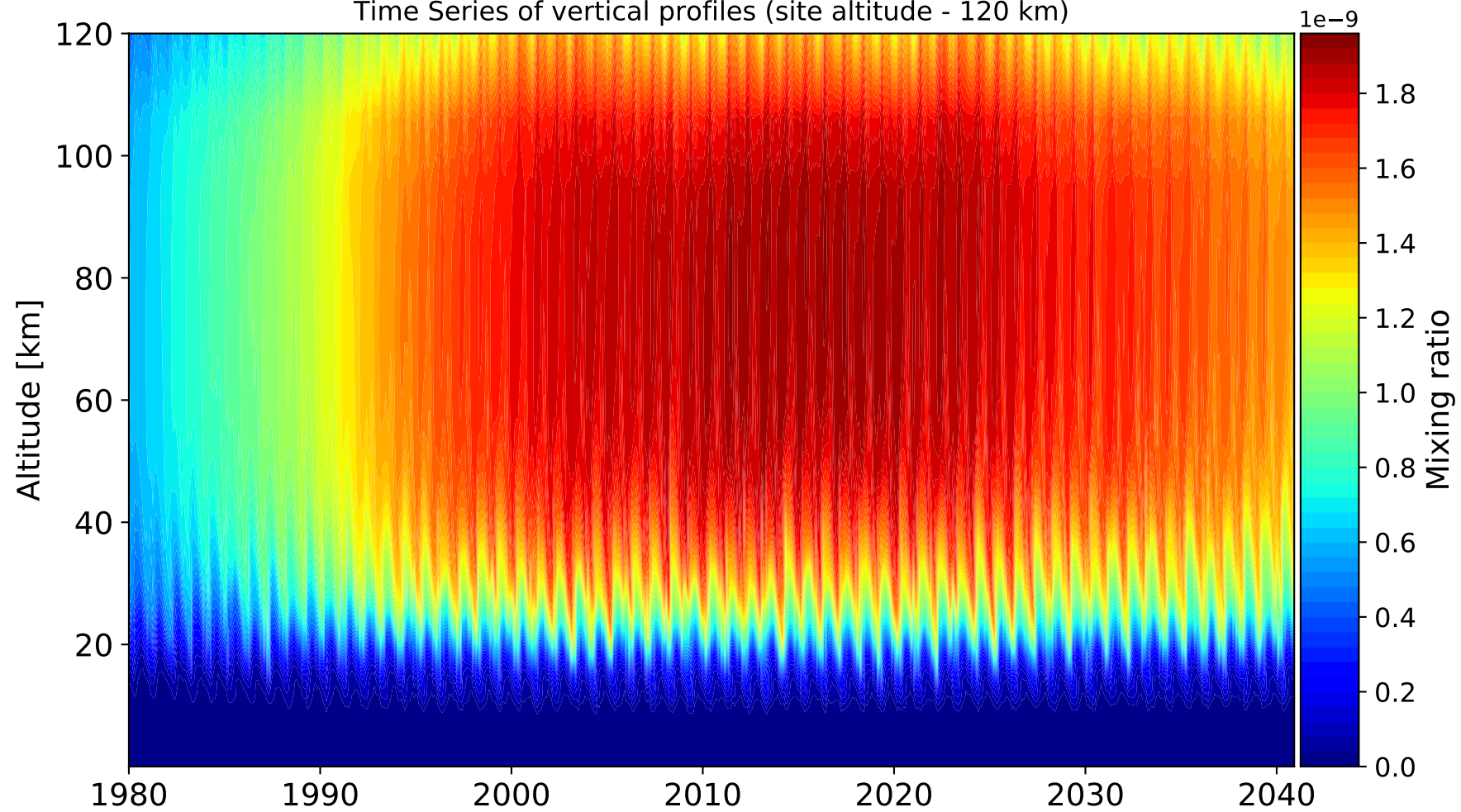
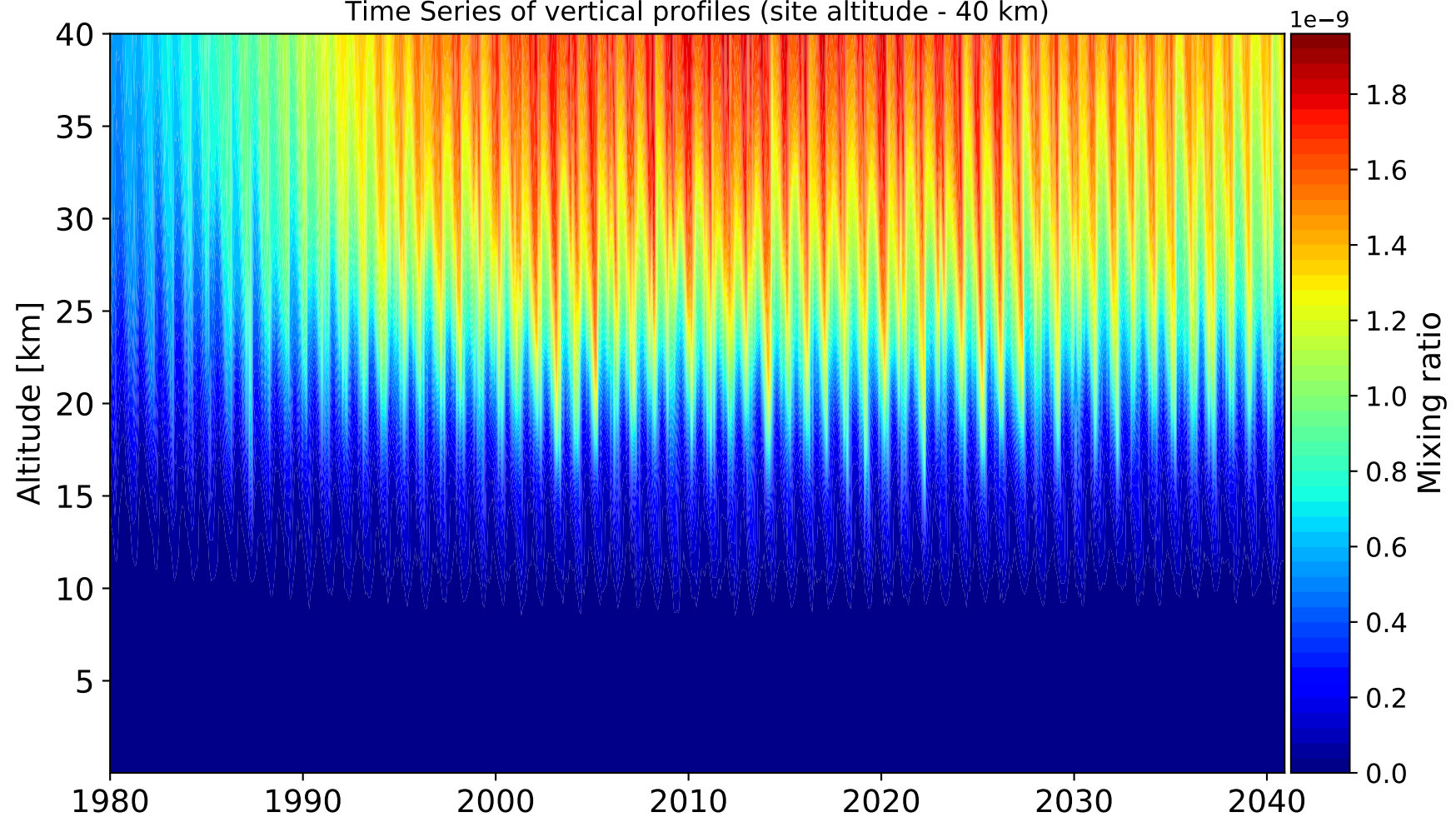


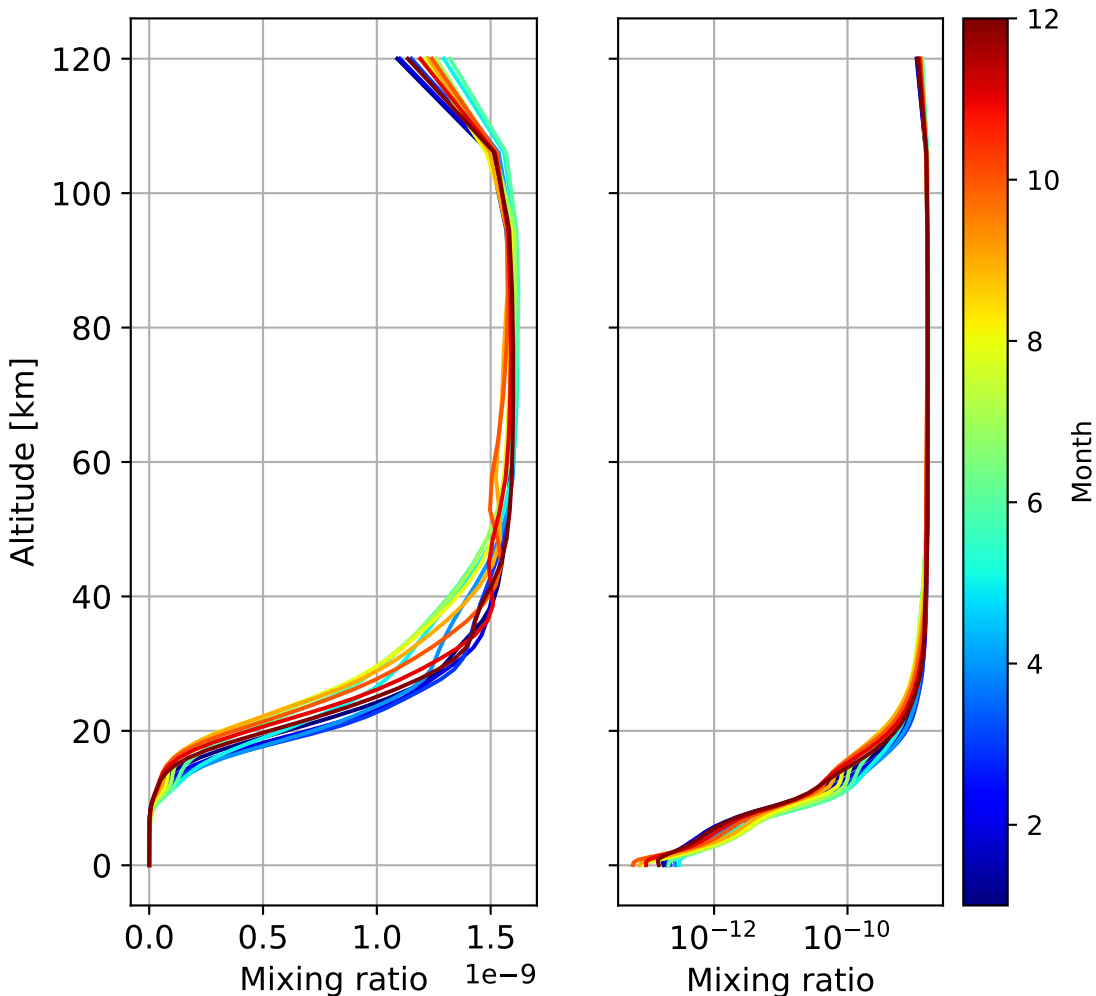
Time Series of vertical profiles (site altitude - 120 km)



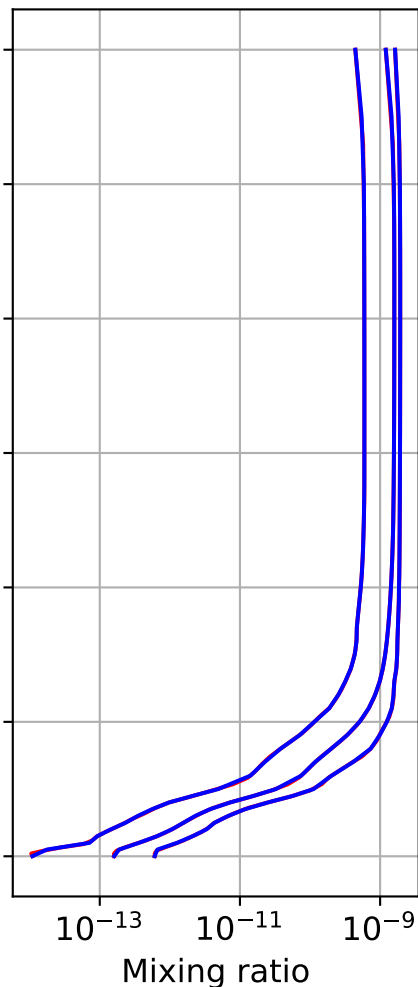
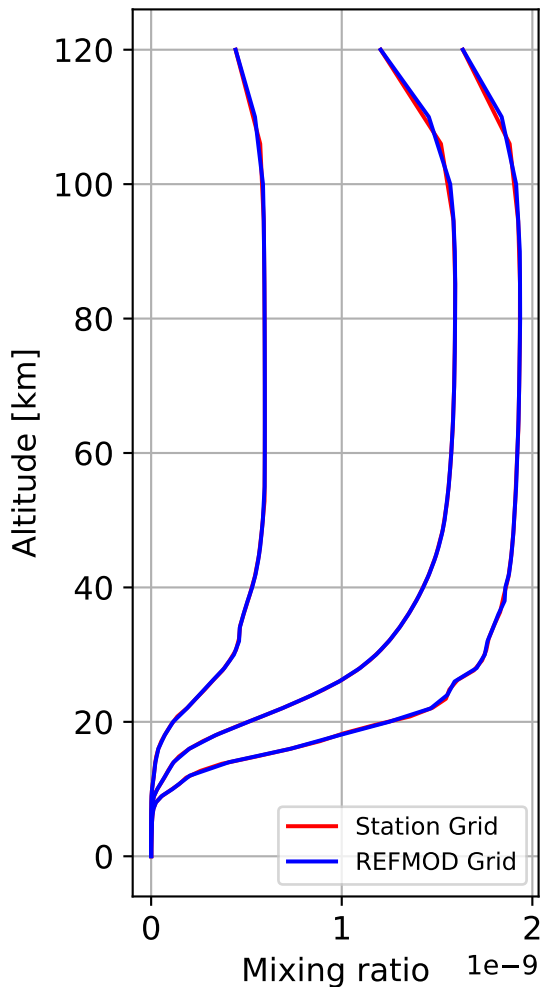
Time Series of vertical profiles (site altitude - 40 km)



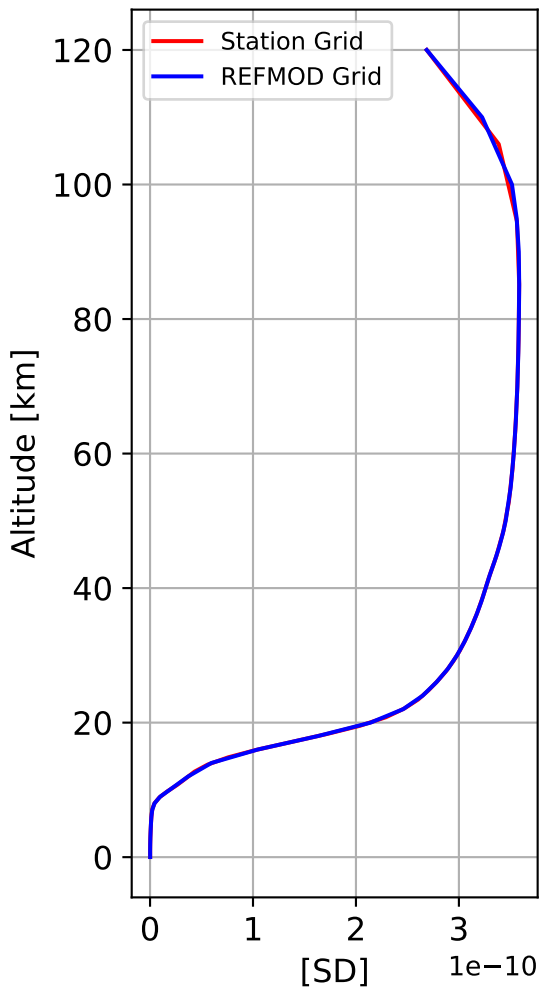
Monthly mean WACCM profile (interpolated to station grid) Ny_Alesund, 78.9N, 11.9E, 0.02kmasl



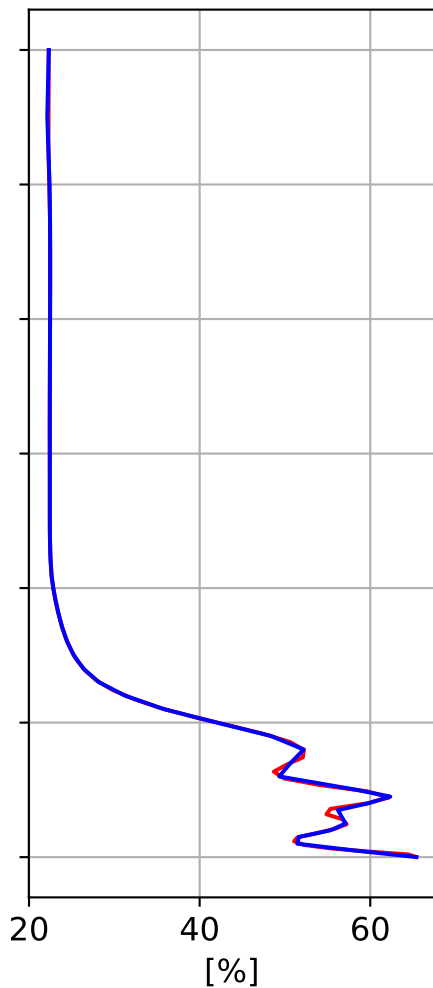
Min, Max, Mean of 732 profiles
Ny_Alesund, 78.9N, 11.9E, 0.02kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-19

Altitude [km]

120

100

80

60

40

20

20

40

60

80

100

120

Altitude [km]

1.20

1.05

0.90

0.75

0.60

0.45

0.30

0.15

0.00

Mixing ratio[²]