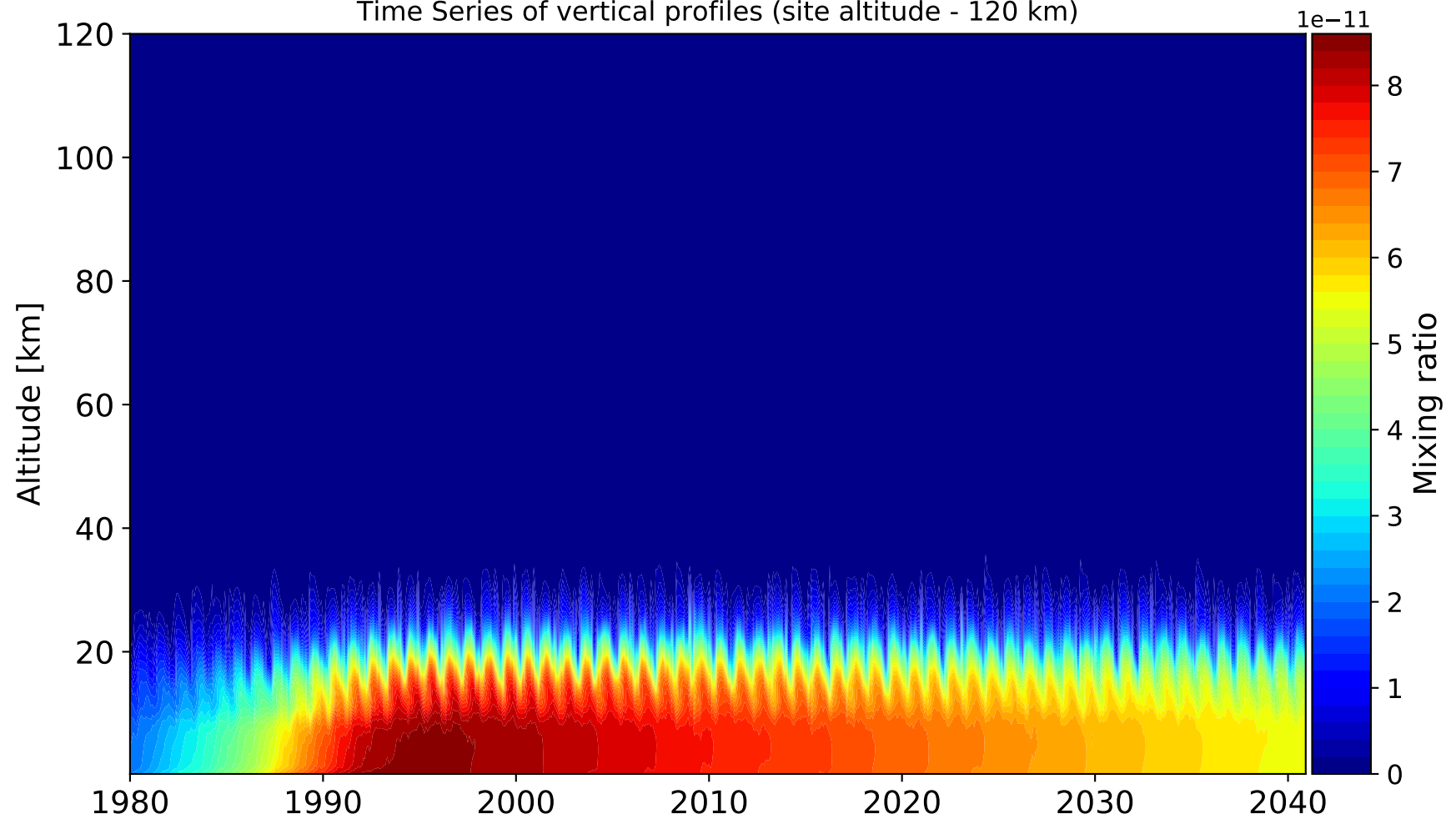
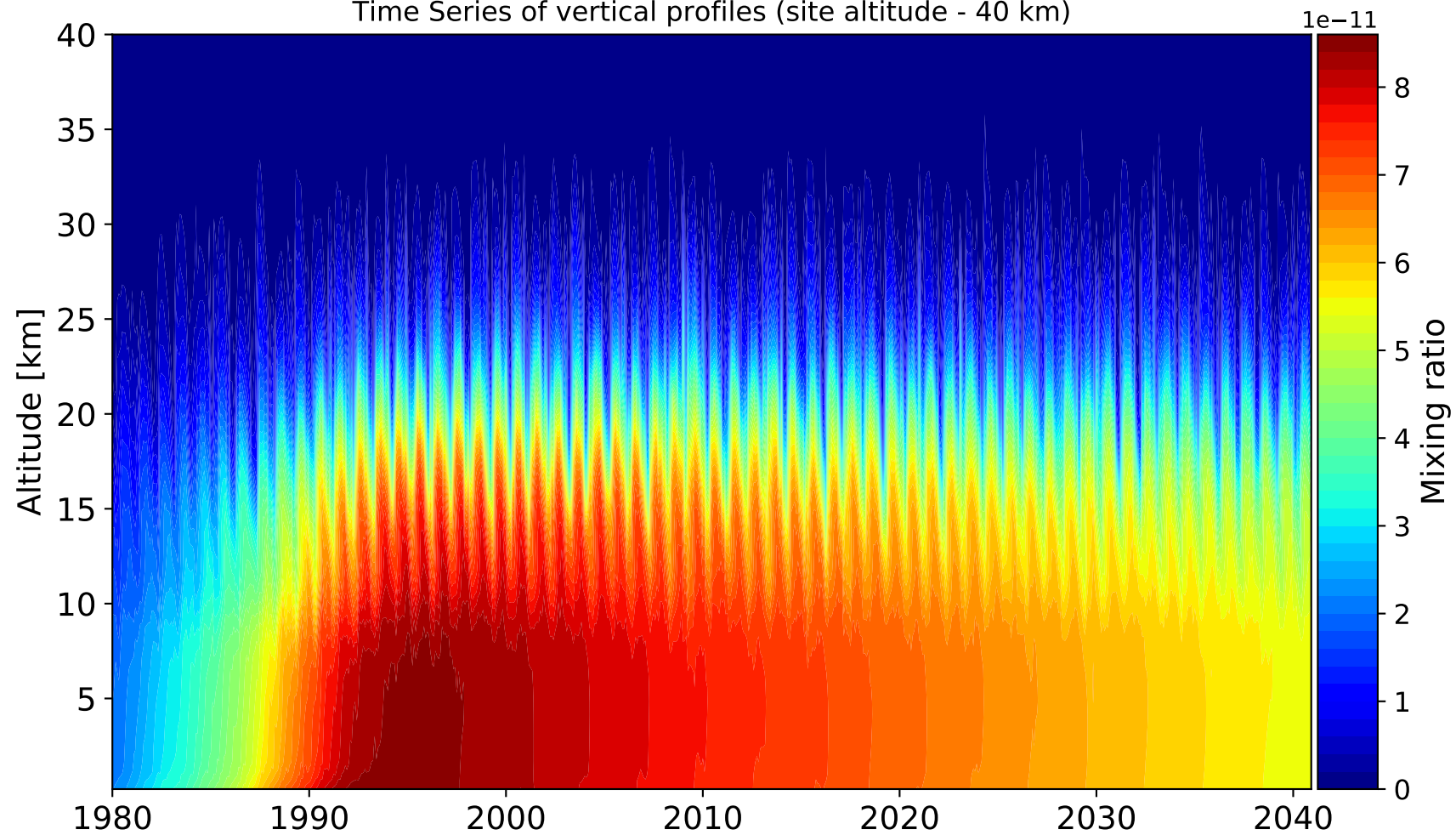


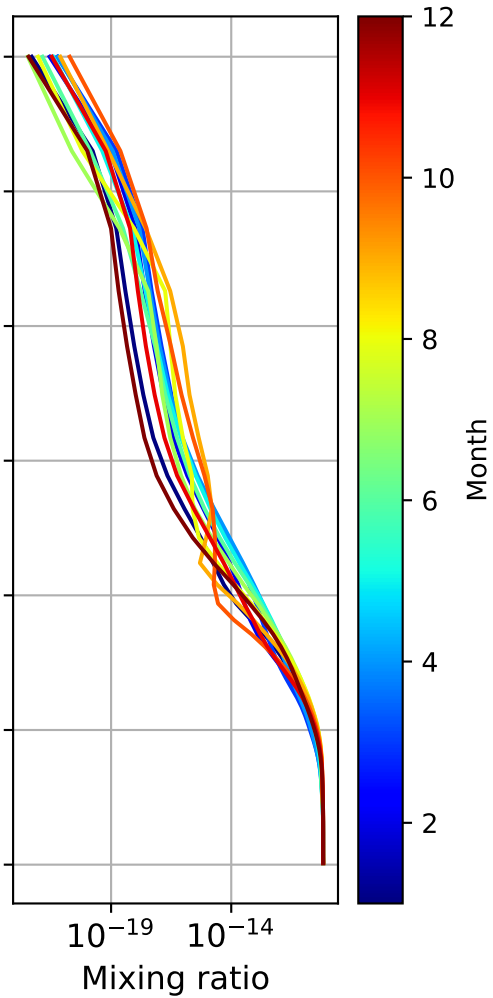
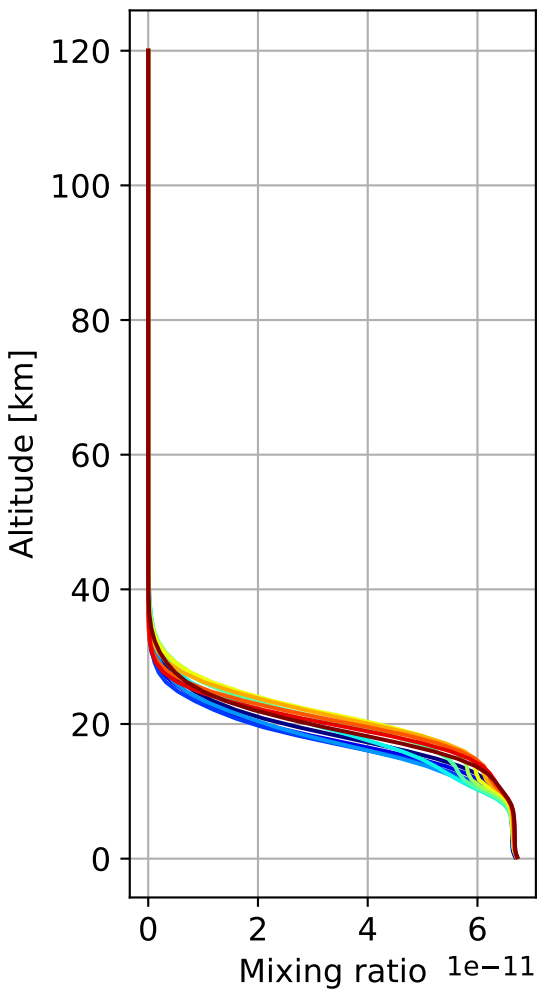
Time Series of vertical profiles (site altitude - 120 km)



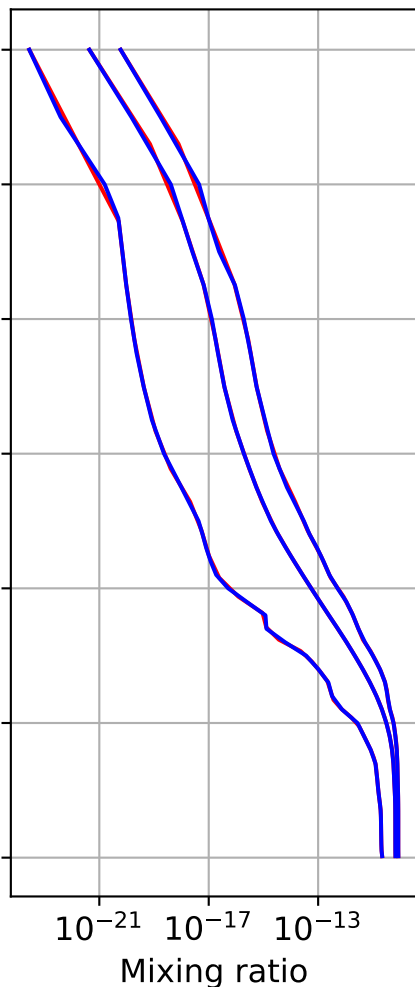
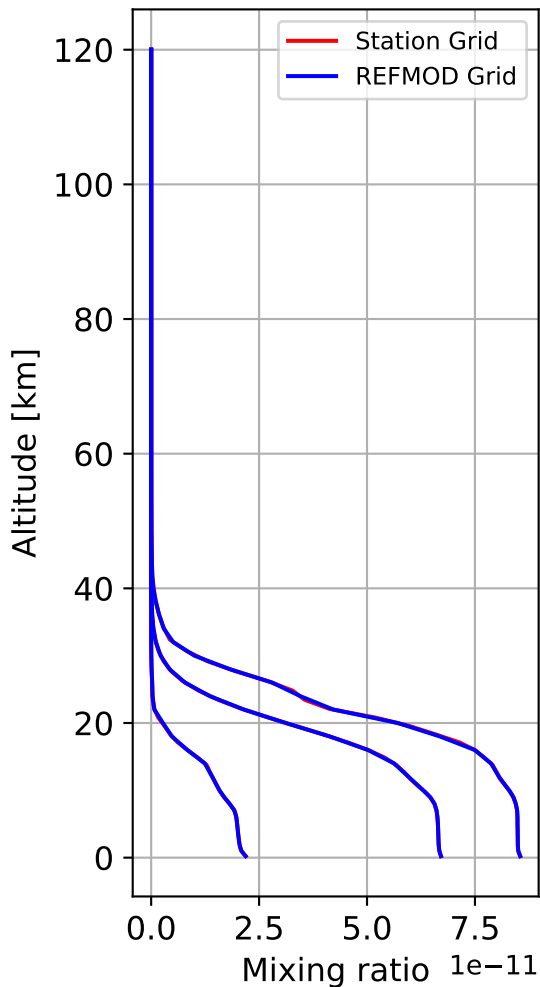
Time Series of vertical profiles (site altitude - 40 km)



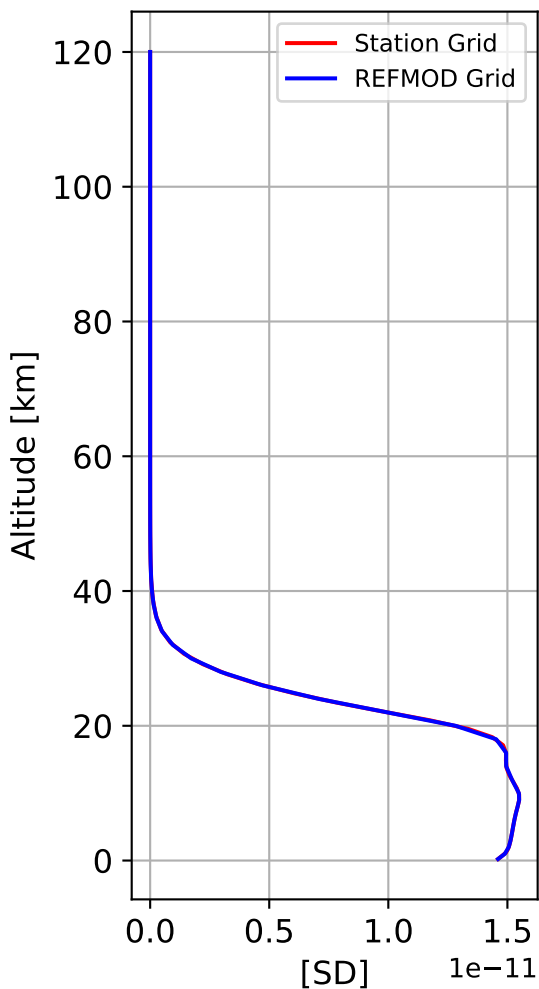
Monthly mean WACCM profile (interpolated to station grid) Thule, 76.53N, 291.26E, 0.225kmasl



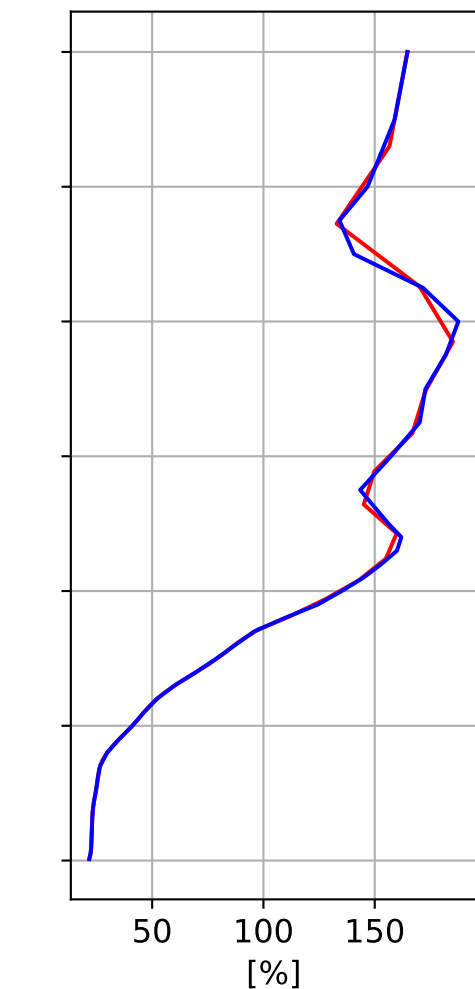
Min, Max, Mean of 732 profiles
Thule, 76.53N, 291.26E, 0.225kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-22

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

Mixing ratio[~ 2]2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0