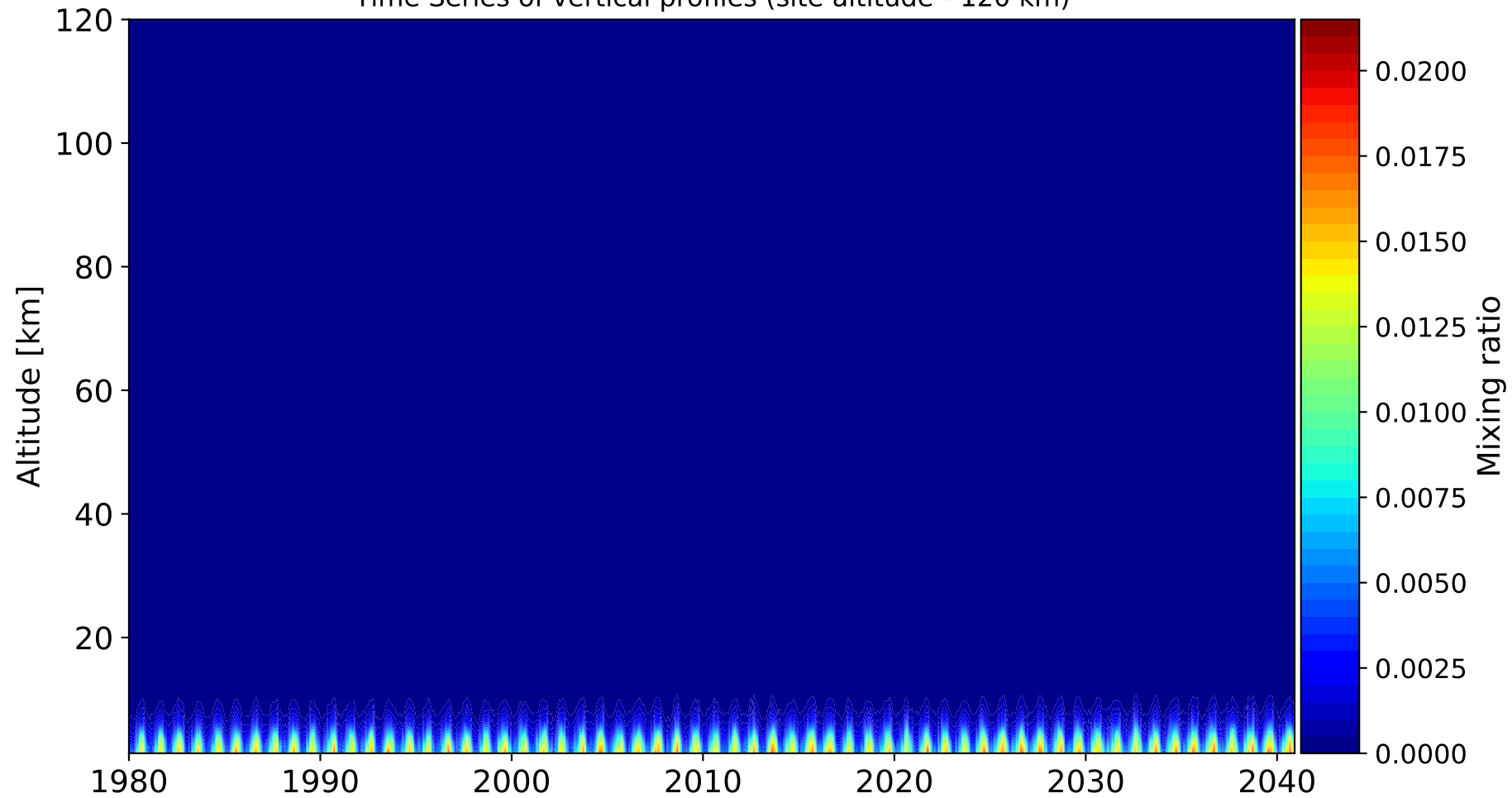
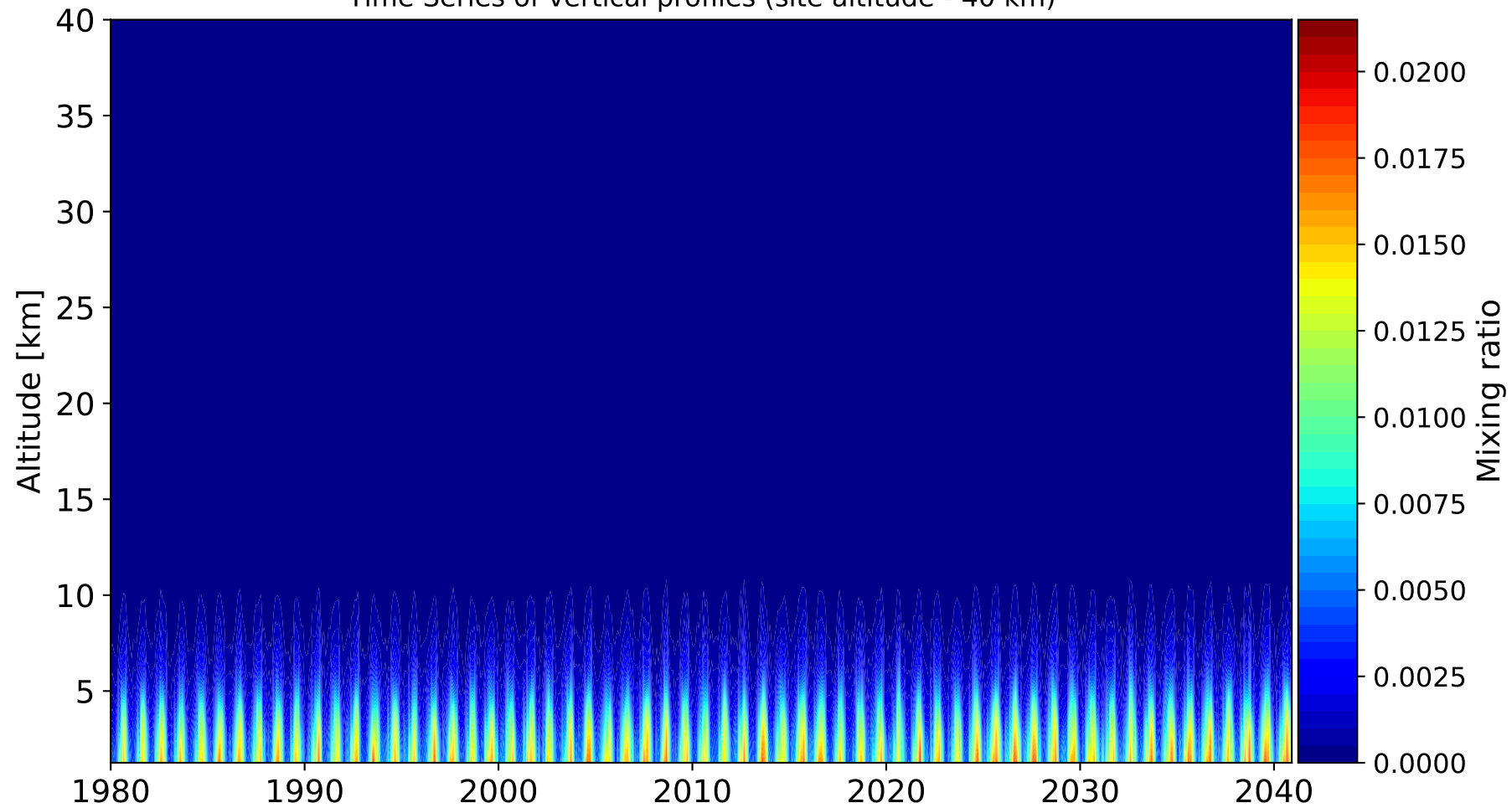


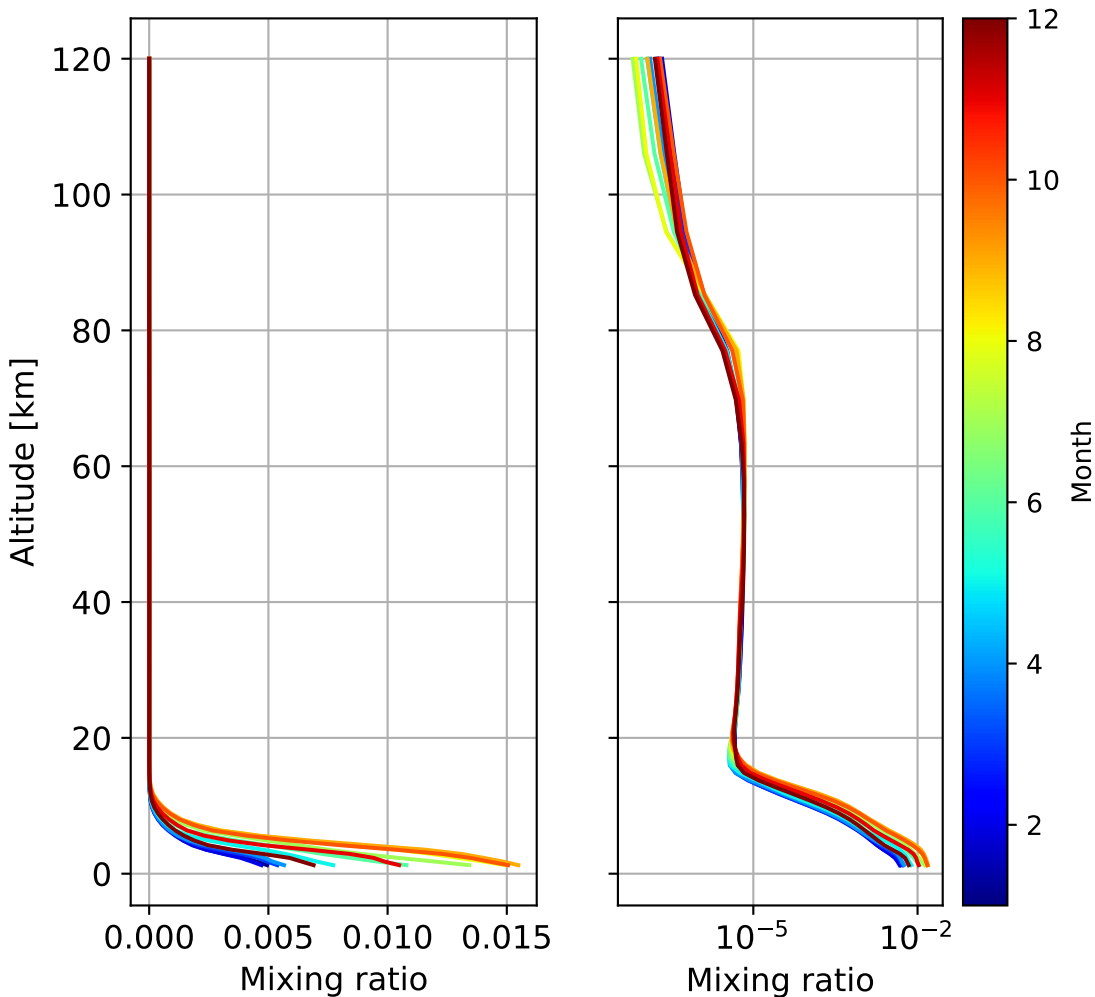
Time Series of vertical profiles (site altitude - 120 km)



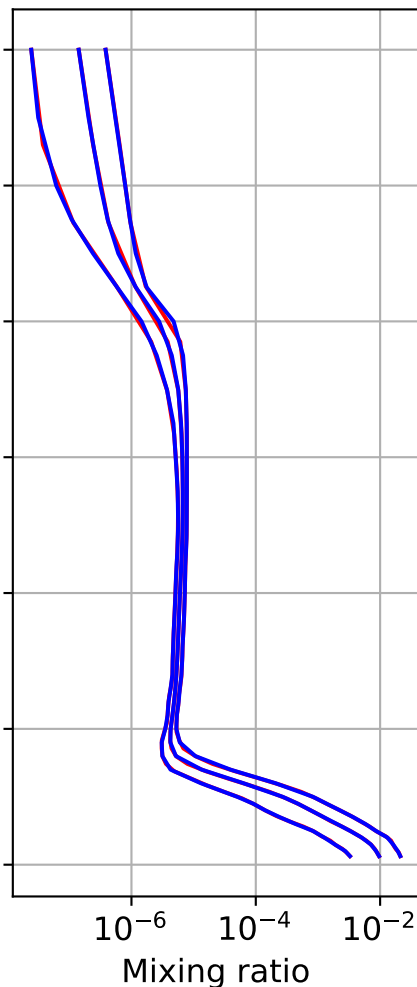
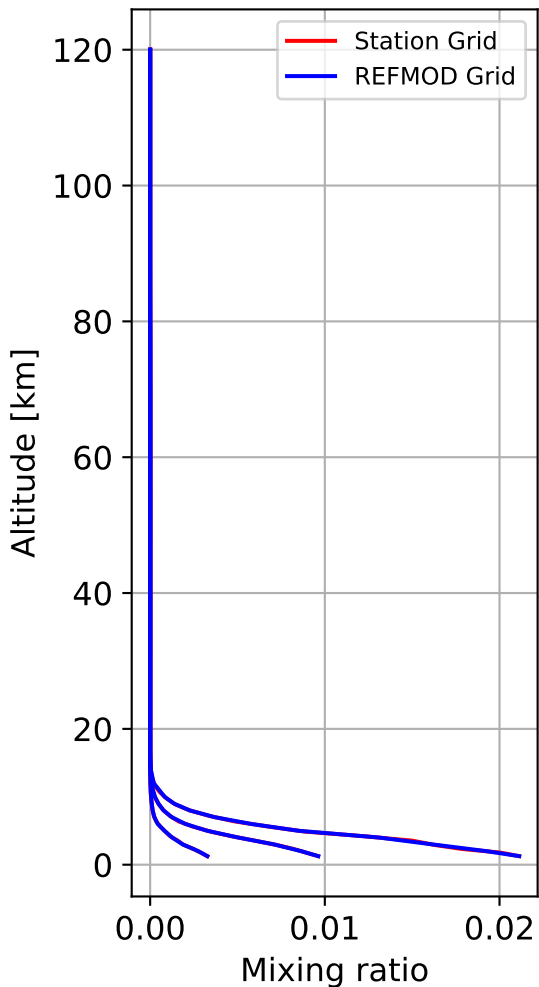
Time Series of vertical profiles (site altitude - 40 km)



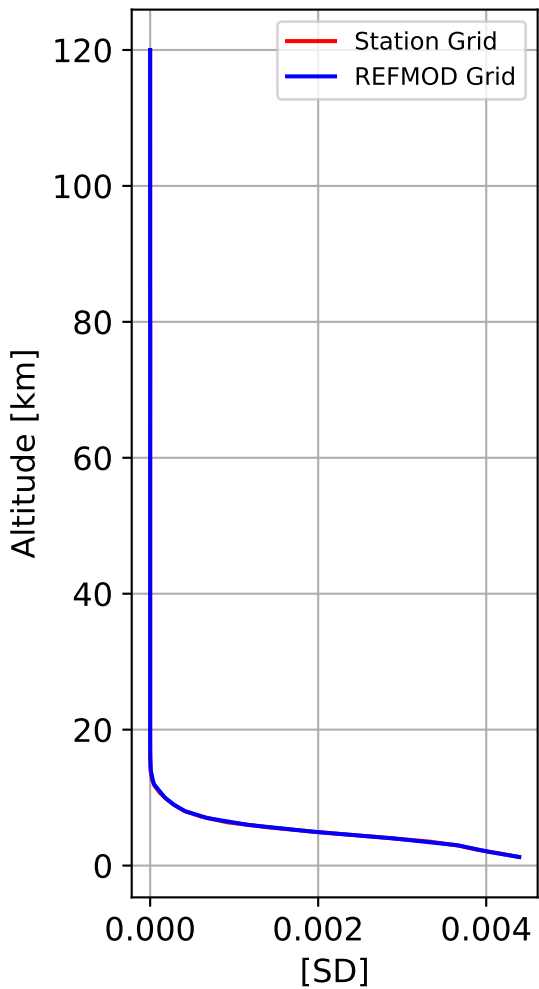
Monthly mean WACCM profile (interpolated to station grid)  
FtSumner, 34.48N, 255.78E, 1.26kmasl



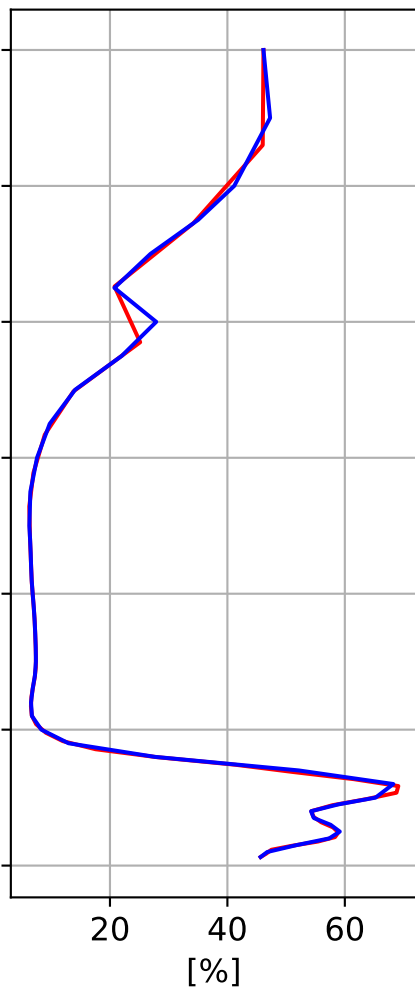
Min, Max, Mean of 732 profiles  
FtSumner, 34.48N, 255.78E, 1.26kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

1e-5

Altitude [km]

120

100

80

60

40

20

20

40

60

80

100

120

Altitude [km]

1.92

1.68

1.44

1.20

0.96

0.72

0.48

0.24

0.00

Mixing ratio[<sup>2</sup>]

