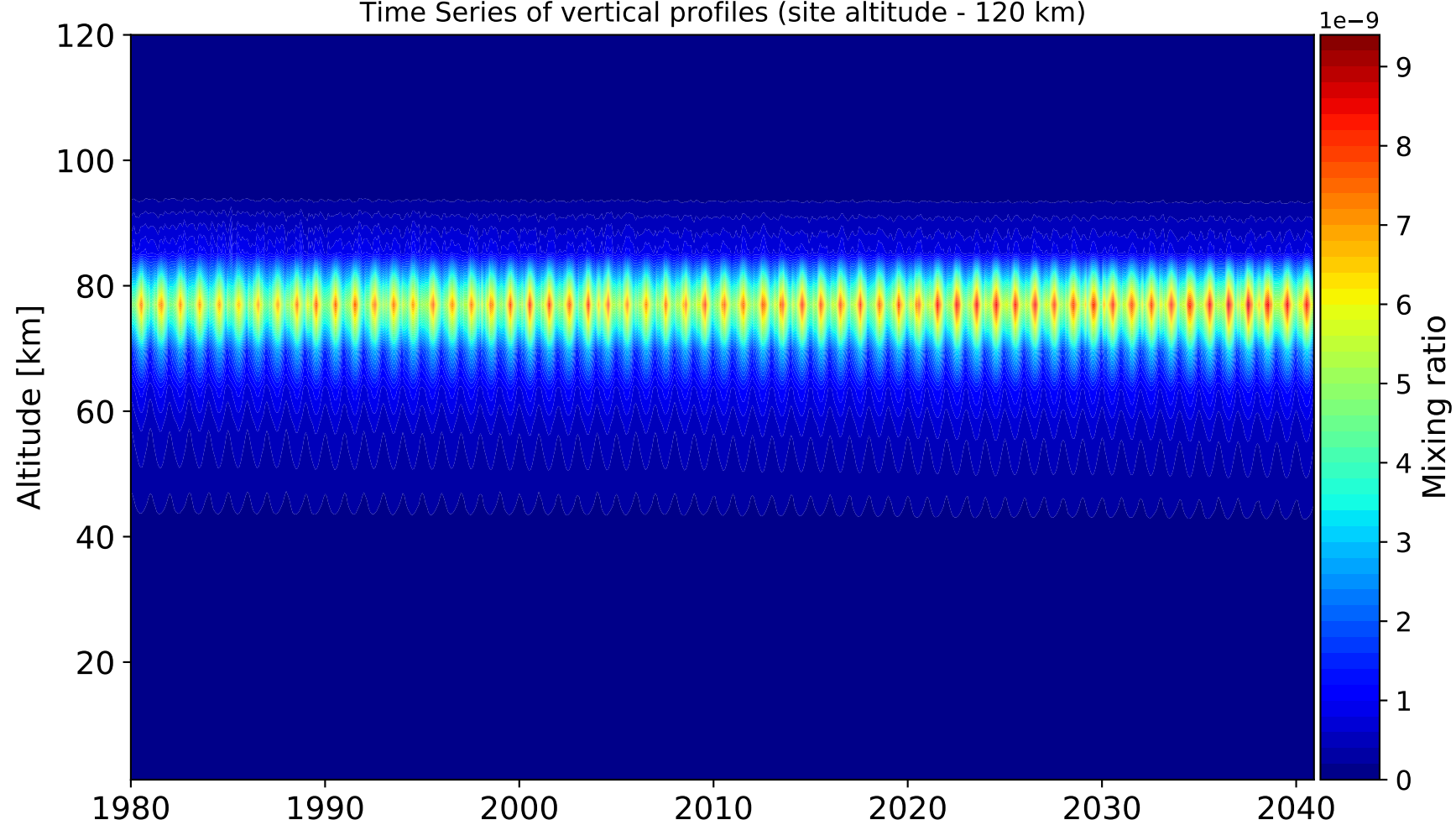
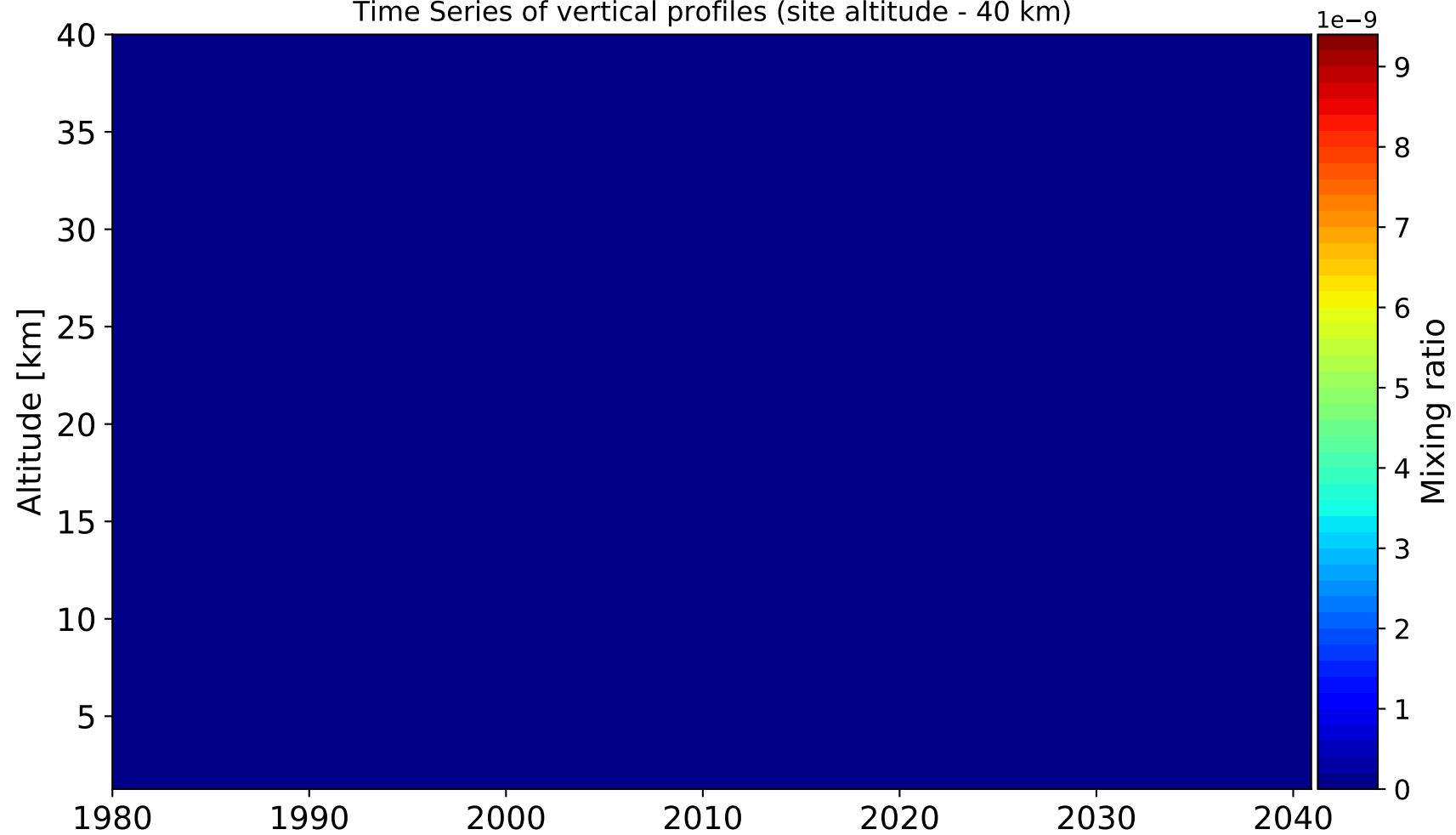


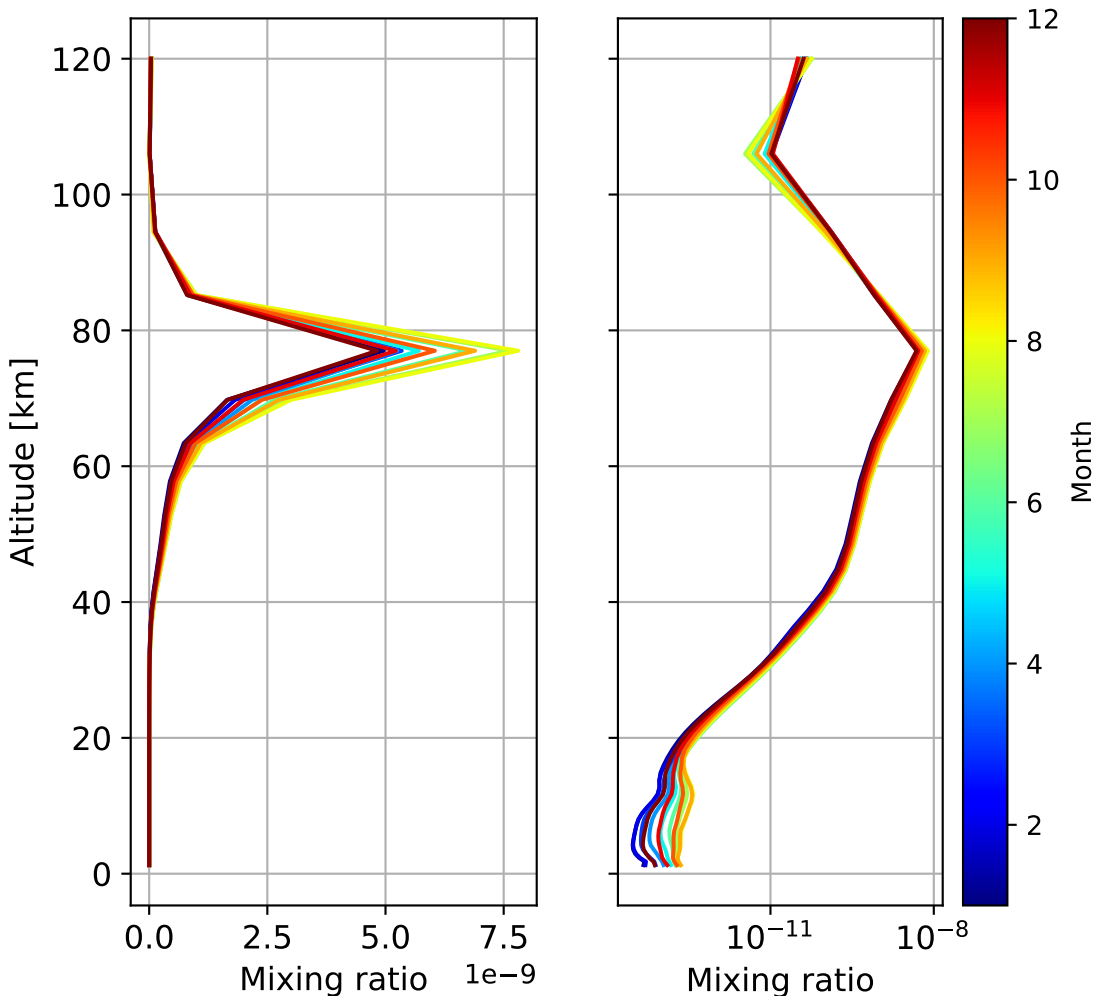
Time Series of vertical profiles (site altitude - 120 km)



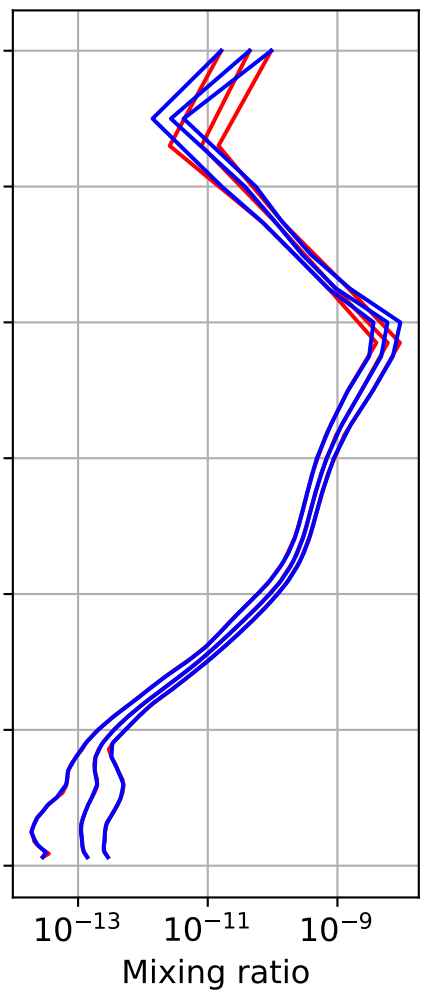
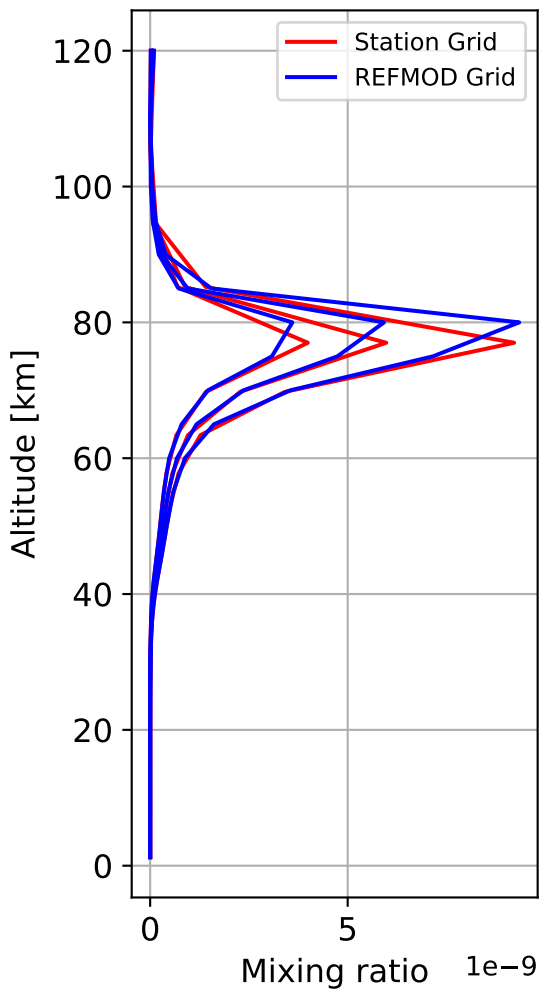
Time Series of vertical profiles (site altitude - 40 km)



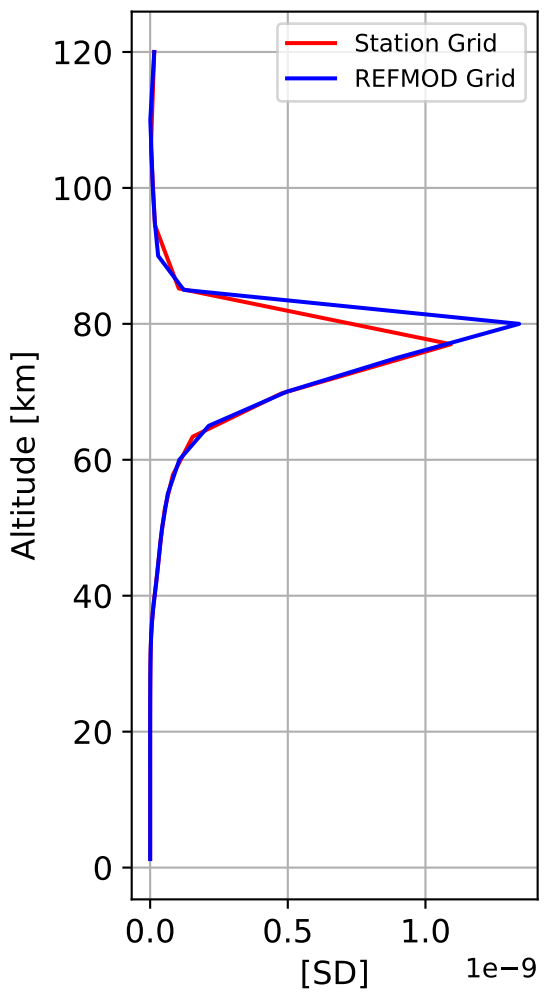
Monthly mean WACCM profile (interpolated to station grid)  
FtSumner, 34.48N, 255.78E, 1.26kmasl



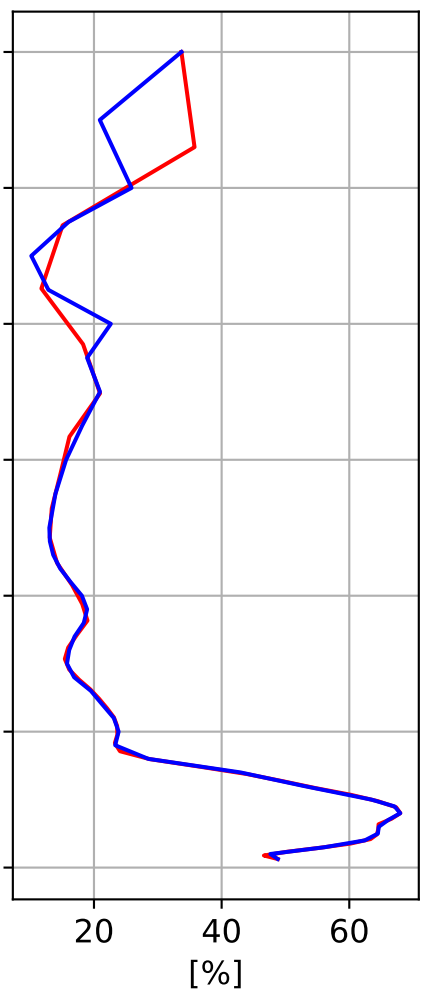
Min, Max, Mean of 732 profiles  
FtSumner, 34.48N, 255.78E, 1.26kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-18$

Altitude [km]

120  
100  
80  
60  
40  
20

20

40

60

80

100

120

Altitude [km]

Mixing ratio[ $\sim 2$ ]

1.125  
1.000  
0.875  
0.750  
0.625  
0.500  
0.375  
0.250  
0.125  
0.000

