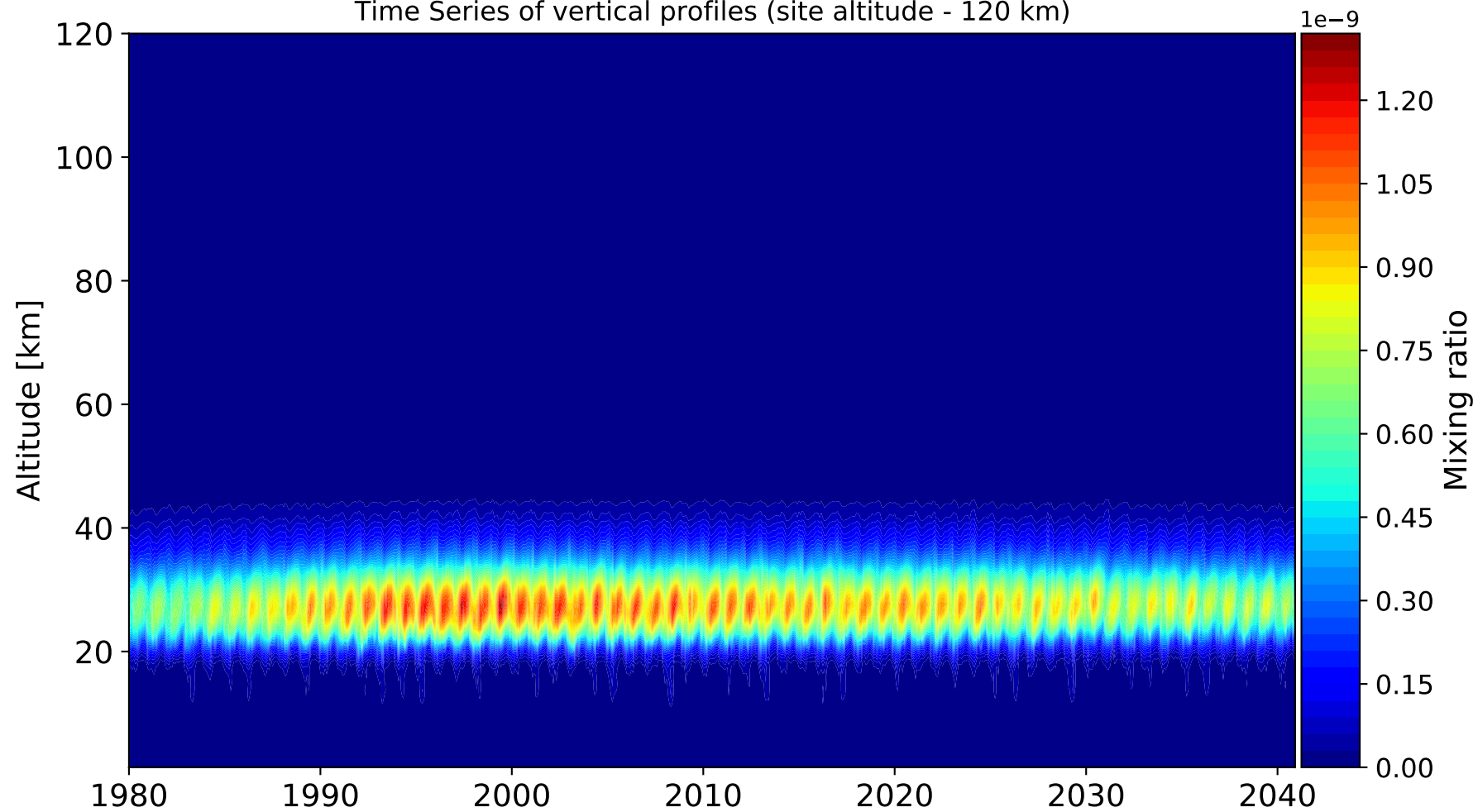
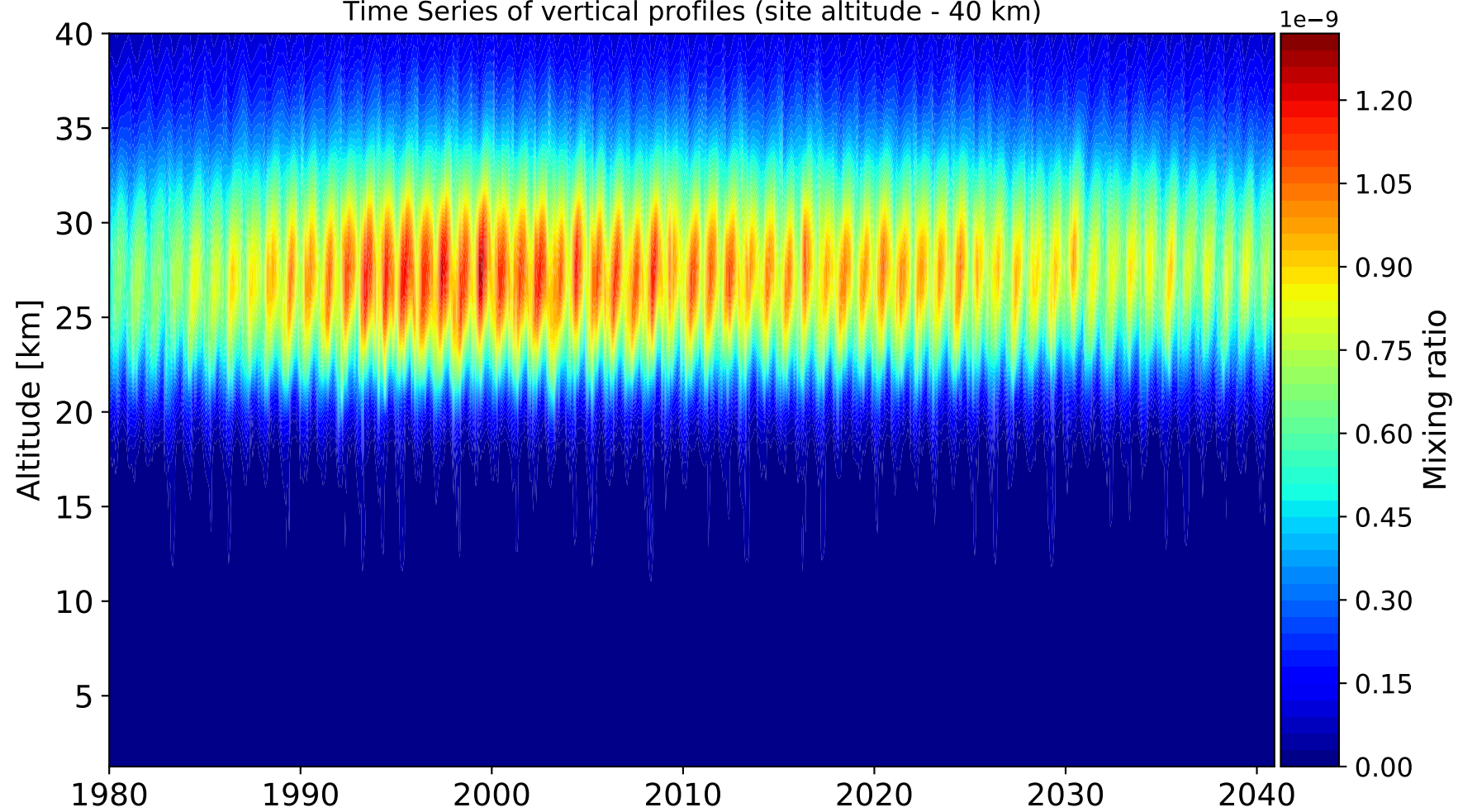


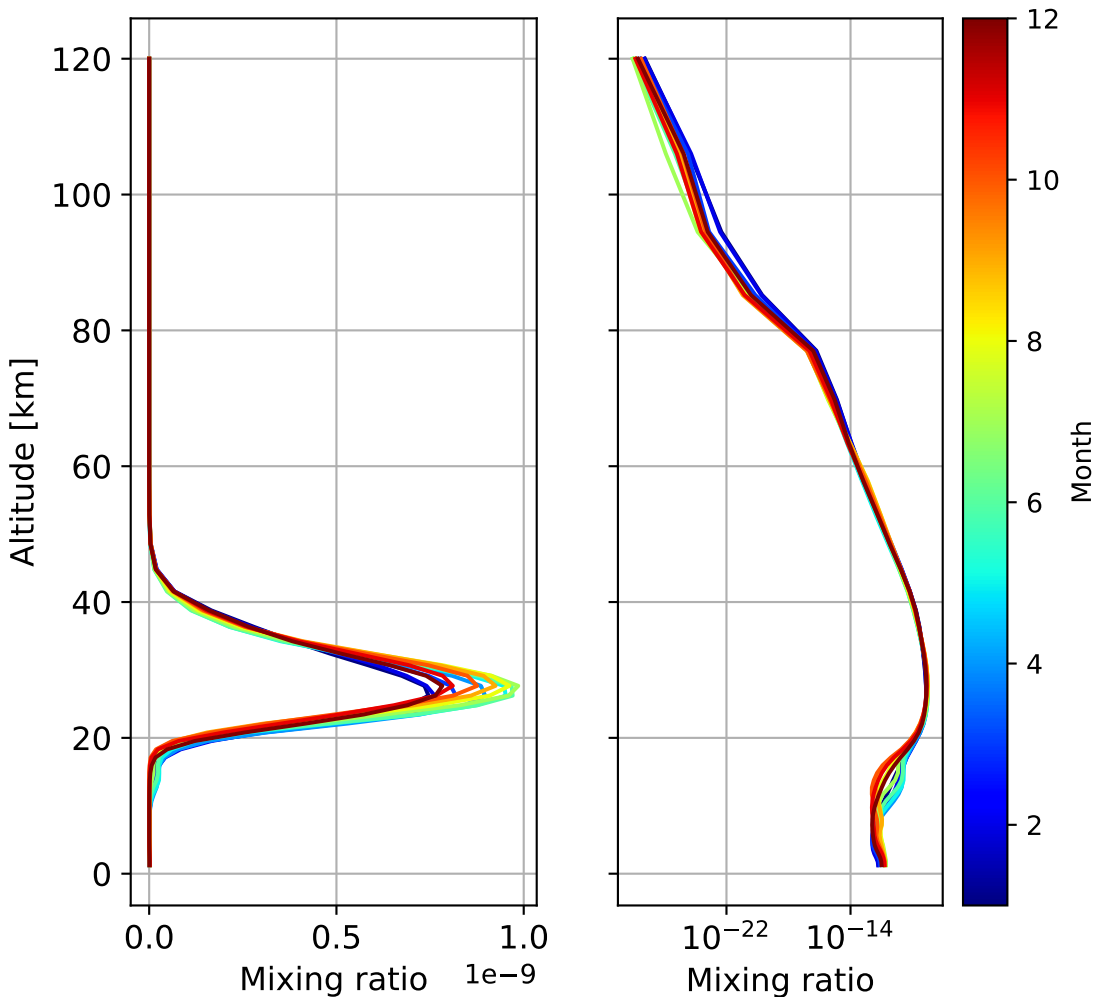
Time Series of vertical profiles (site altitude - 120 km)



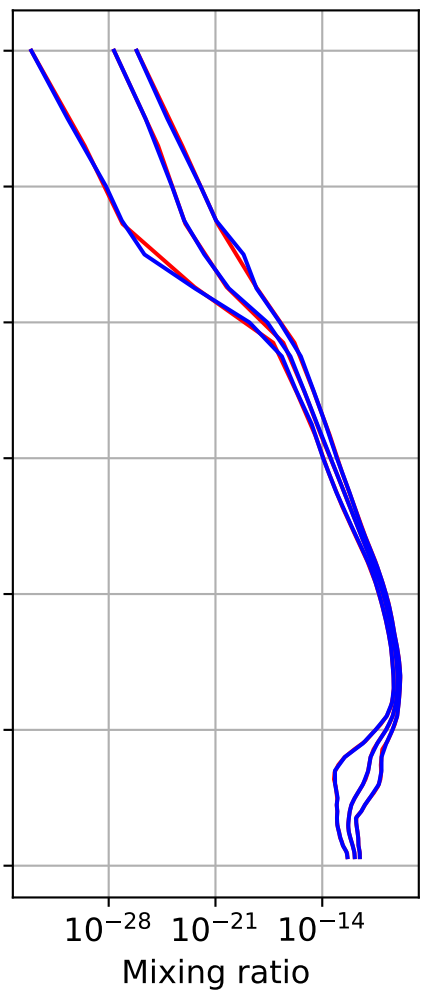
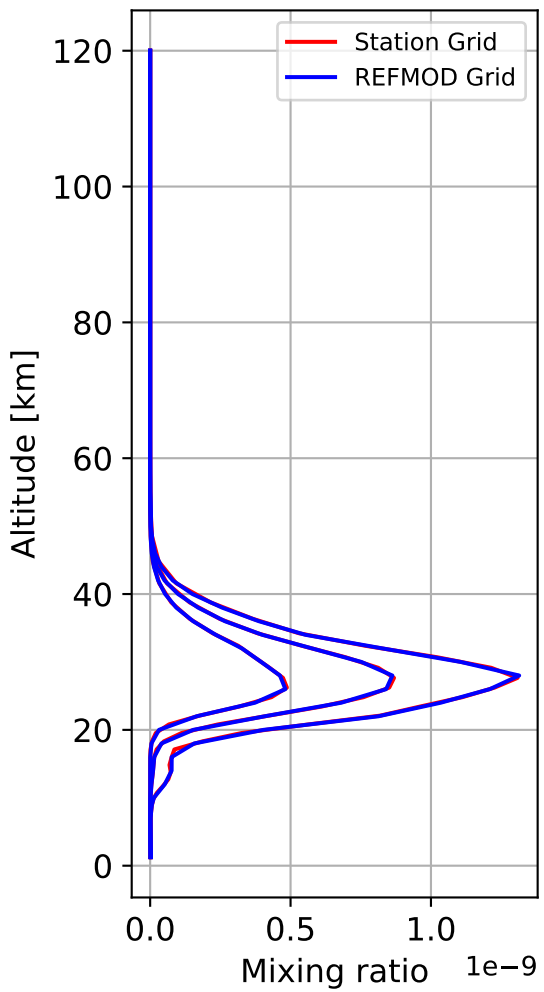
Time Series of vertical profiles (site altitude - 40 km)



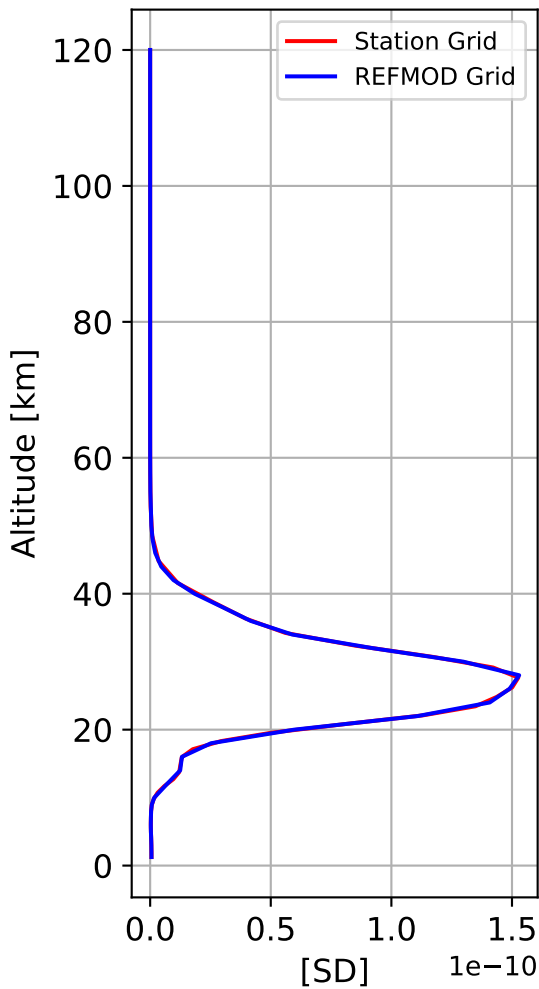
# Monthly mean WACCM profile (interpolated to station grid) FtSumner, 34.48N, 255.78E, 1.26kmasl



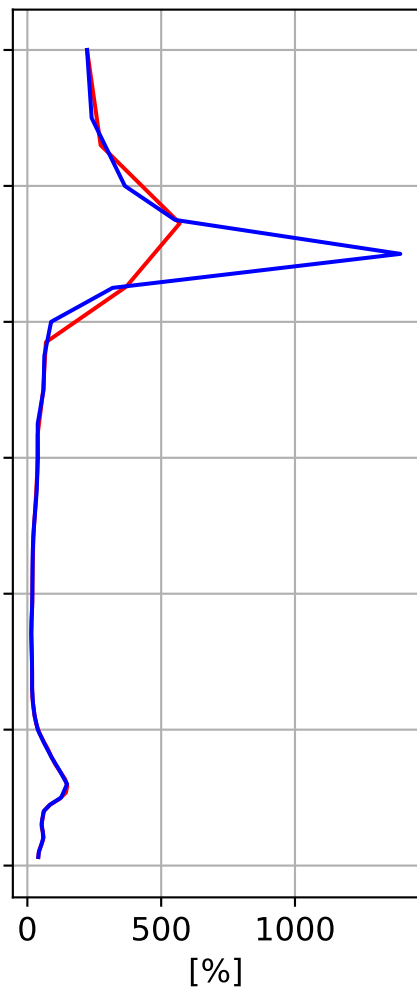
Min, Max, Mean of 732 profiles  
FtSumner, 34.48N, 255.78E, 1.26kmasl



Std. Deviation



Percent Deviation

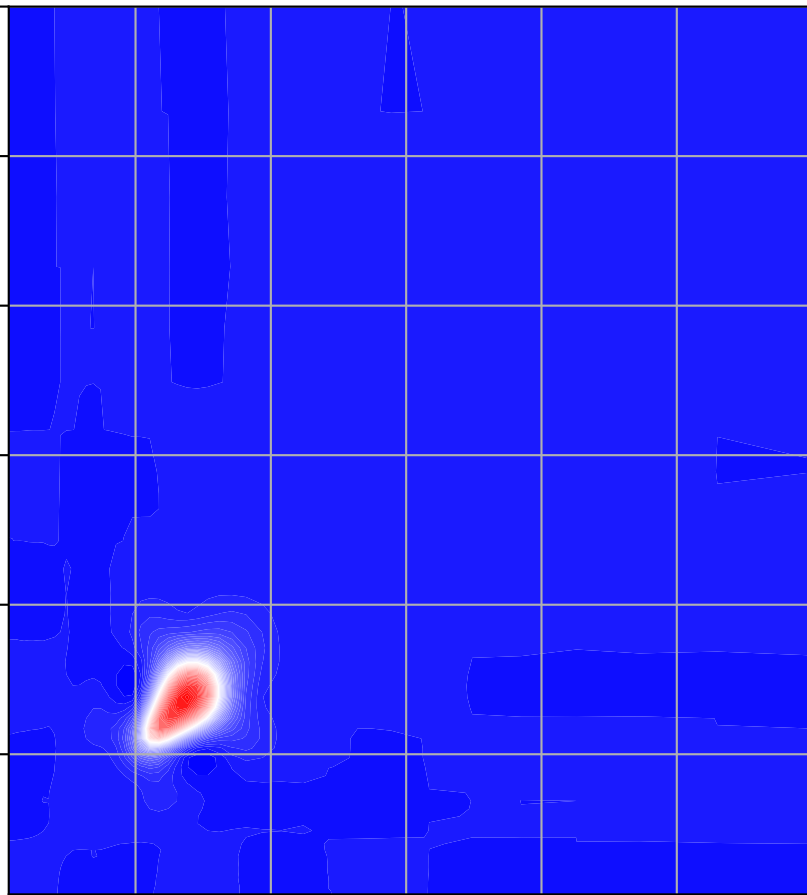


# Level covariance matrix

1e-20

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

Mixing ratio[ $\sim 2$ ]

2.25  
2.00  
1.75  
1.50  
1.25  
1.00  
0.75  
0.50  
0.25  
0.00