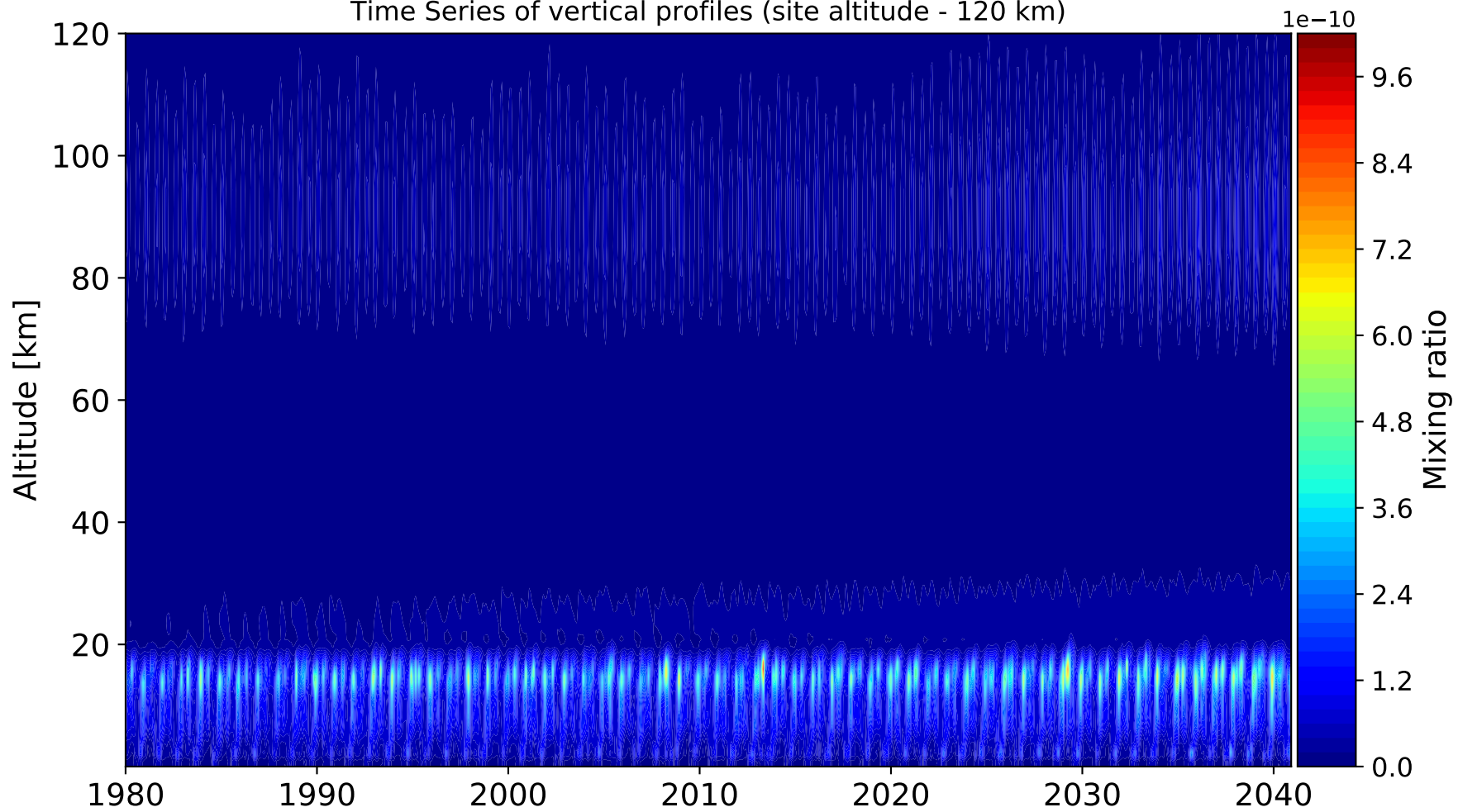
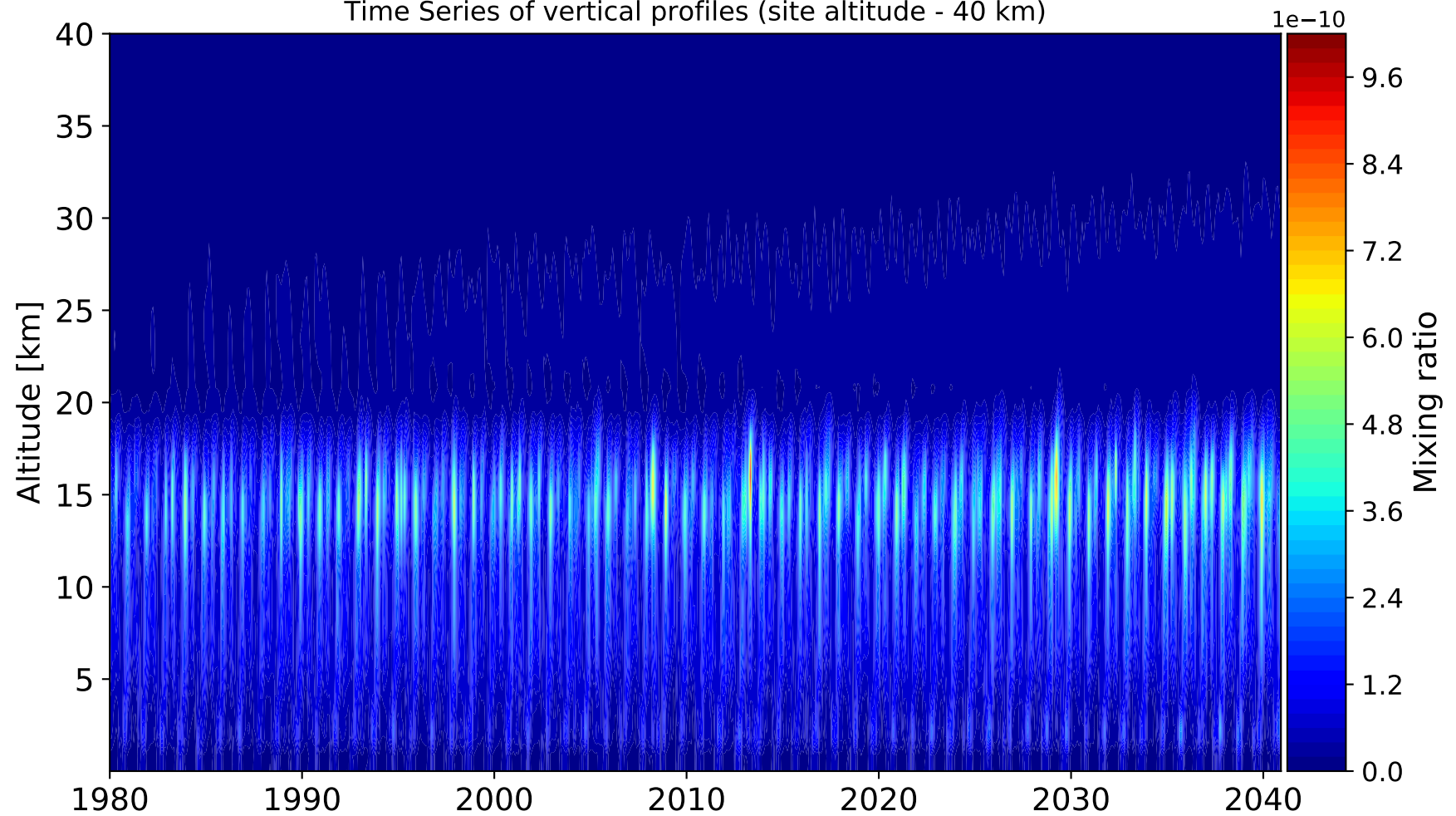


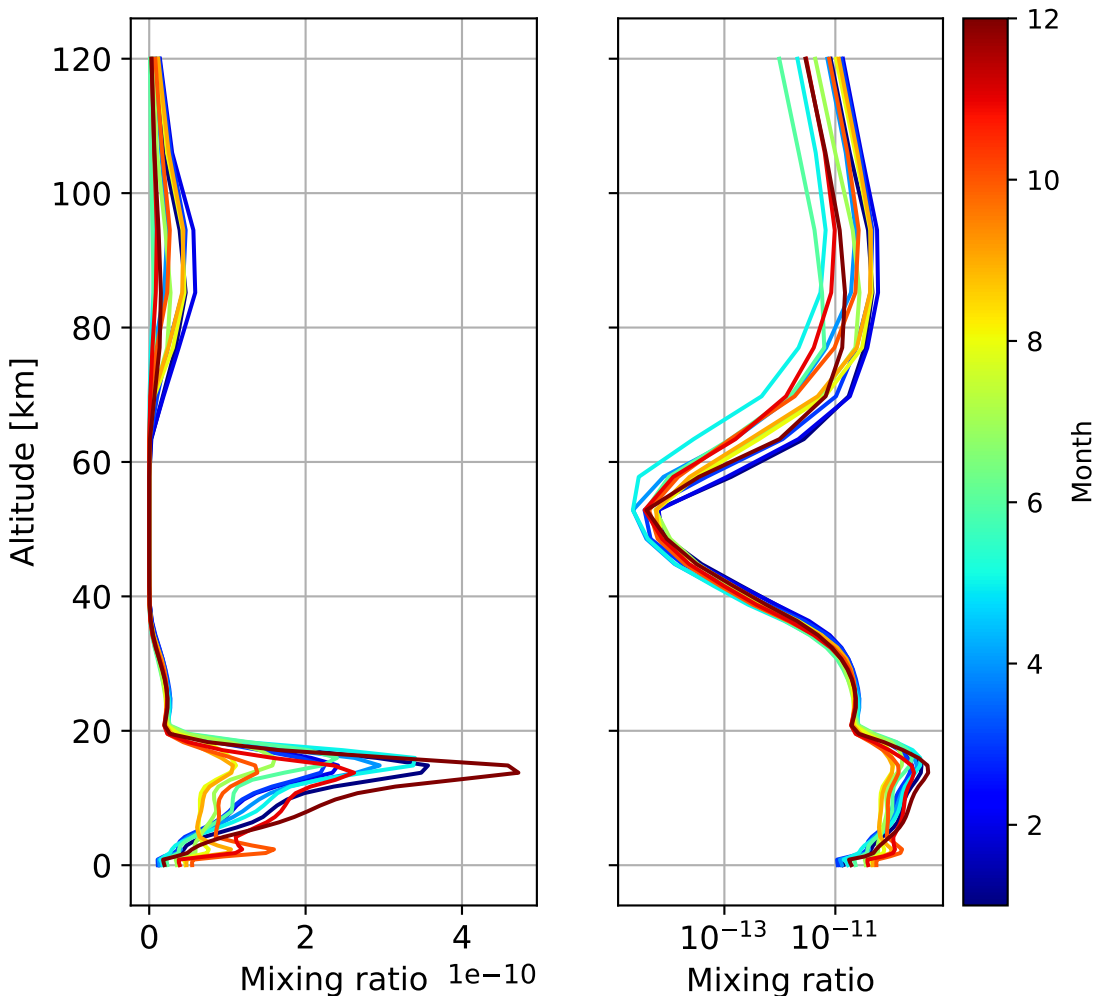
Time Series of vertical profiles (site altitude - 120 km)



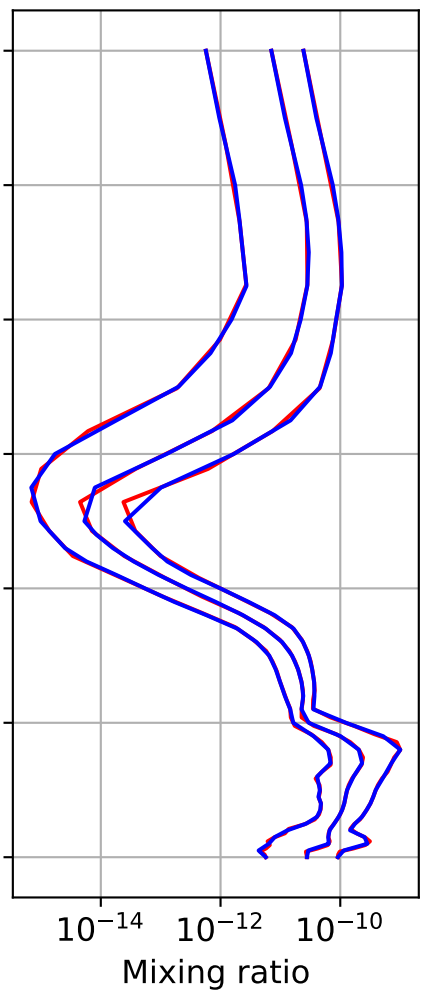
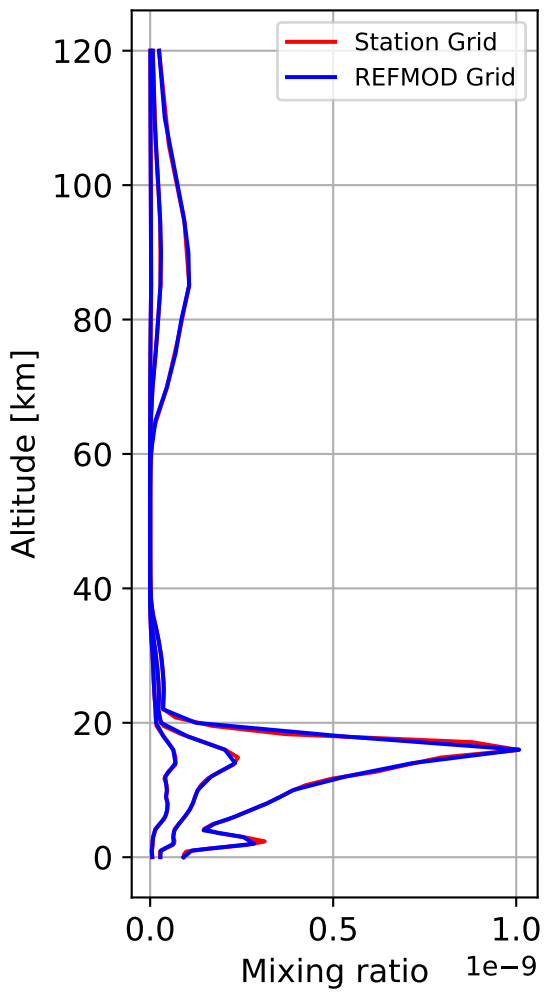
Time Series of vertical profiles (site altitude - 40 km)



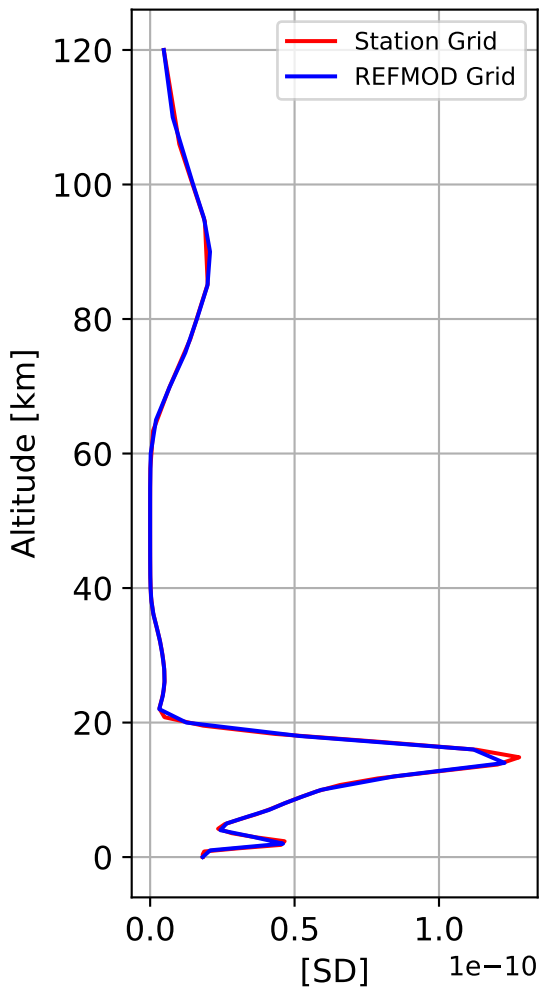
Monthly mean WACCM profile (interpolated to station grid)  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



Min, Max, Mean of 732 profiles  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



Std. Deviation



Percent Deviation

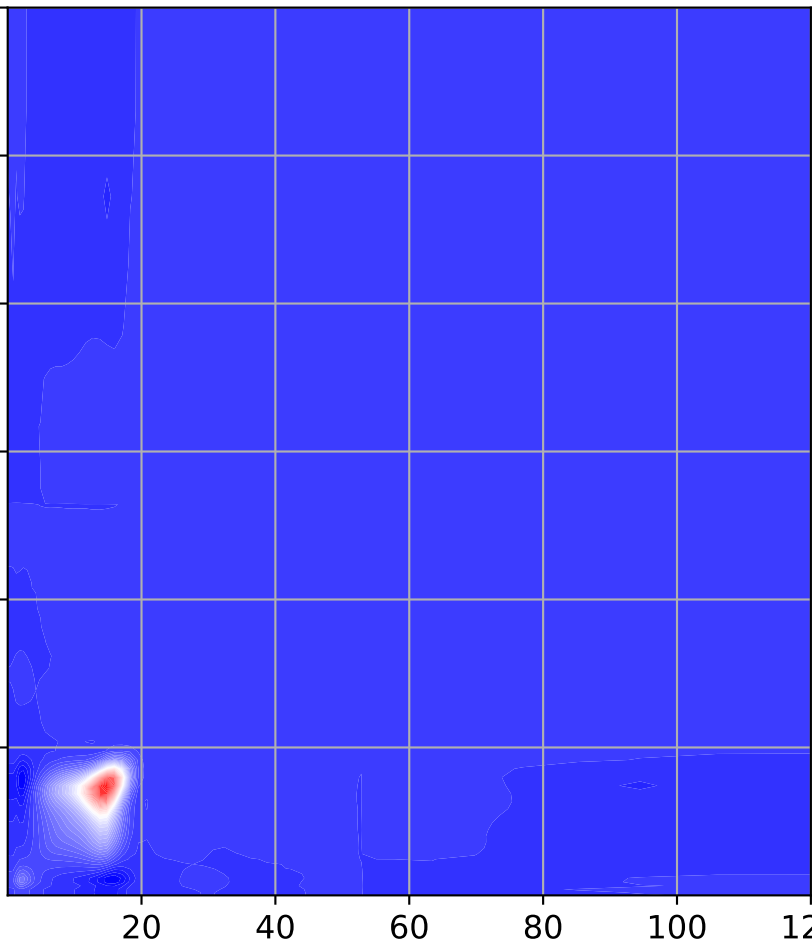


# Level covariance matrix

1e-20

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

1.6  
1.4  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0  
-0.2

Mixing ratio[ $\sim 2$ ]