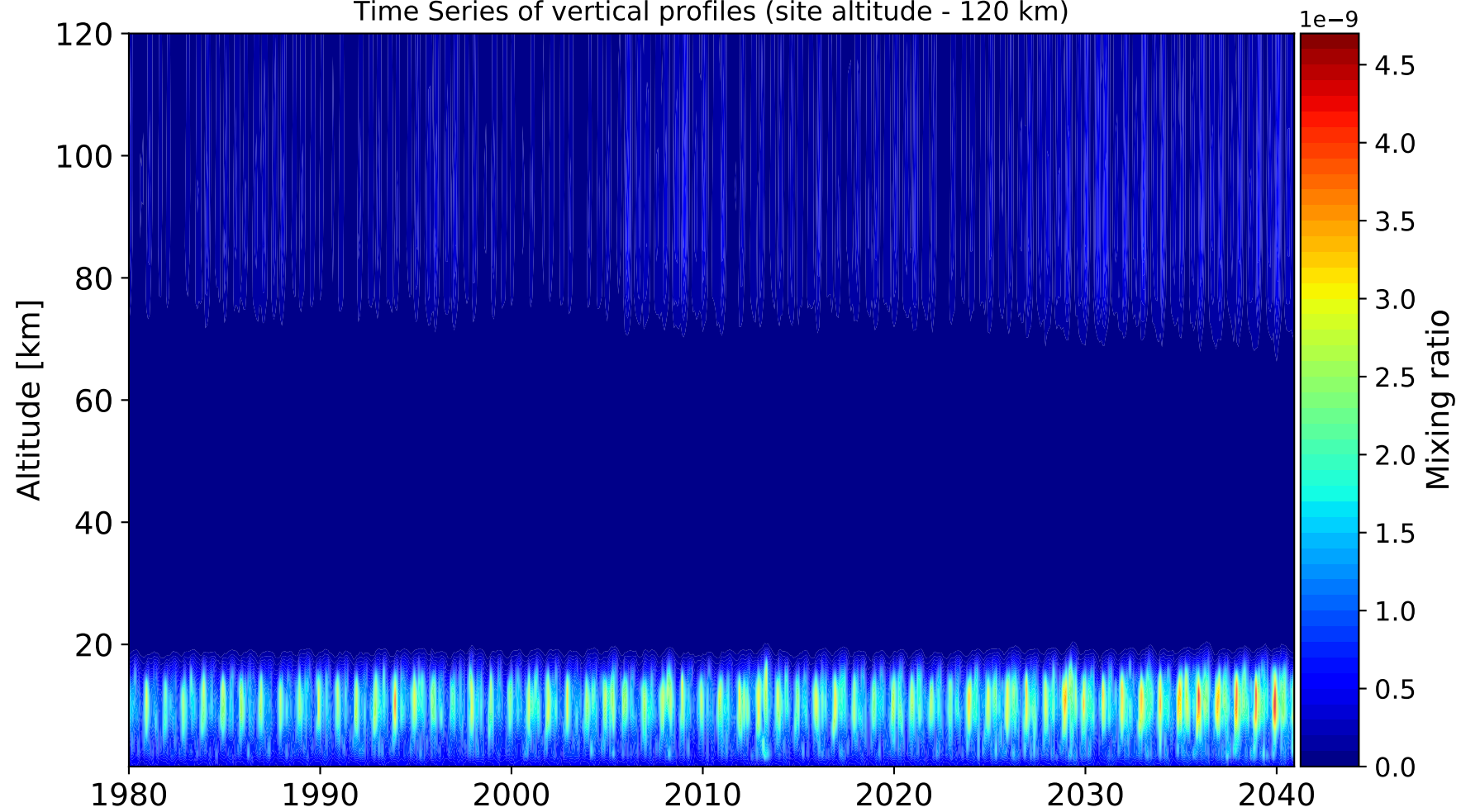
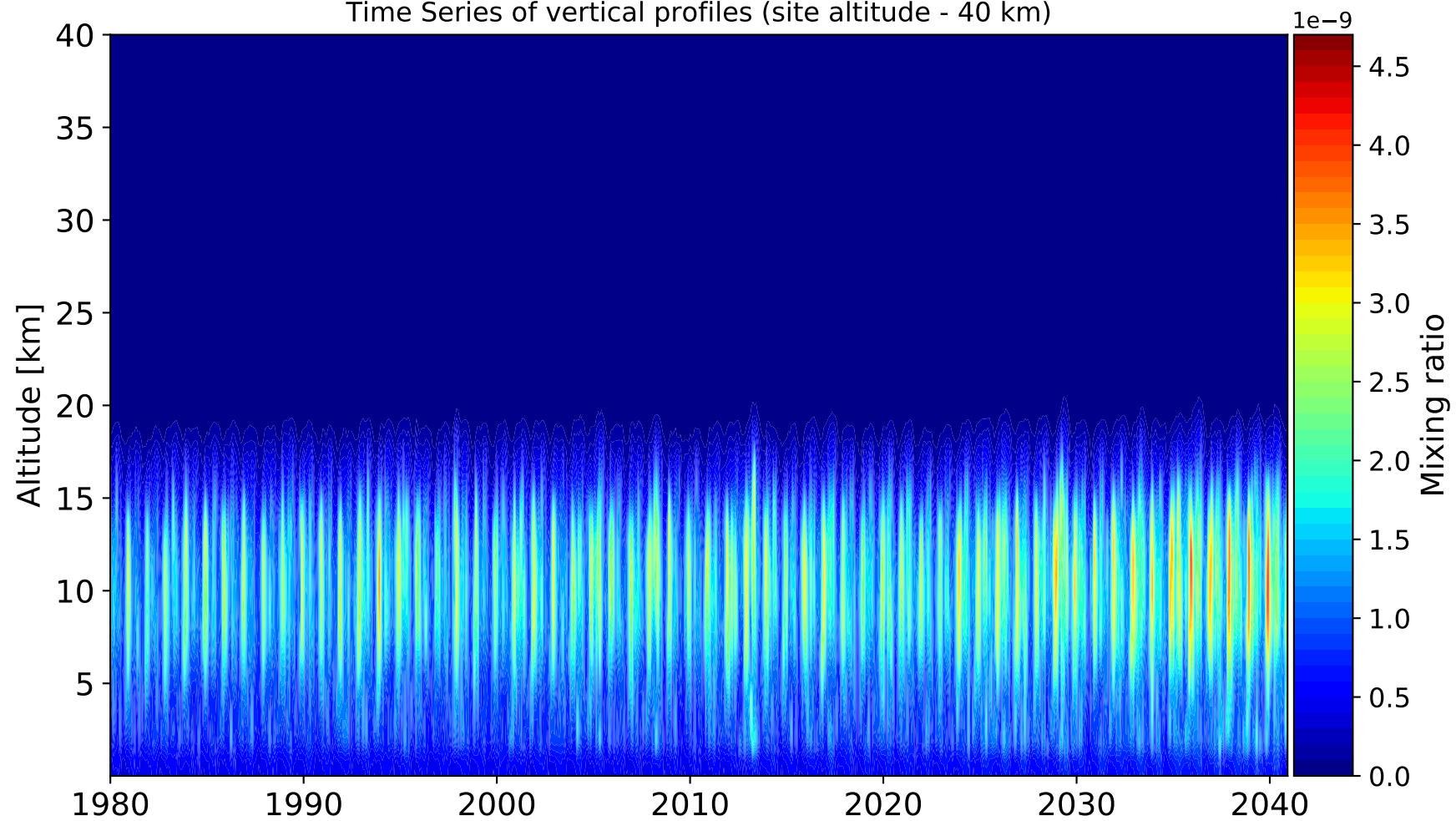


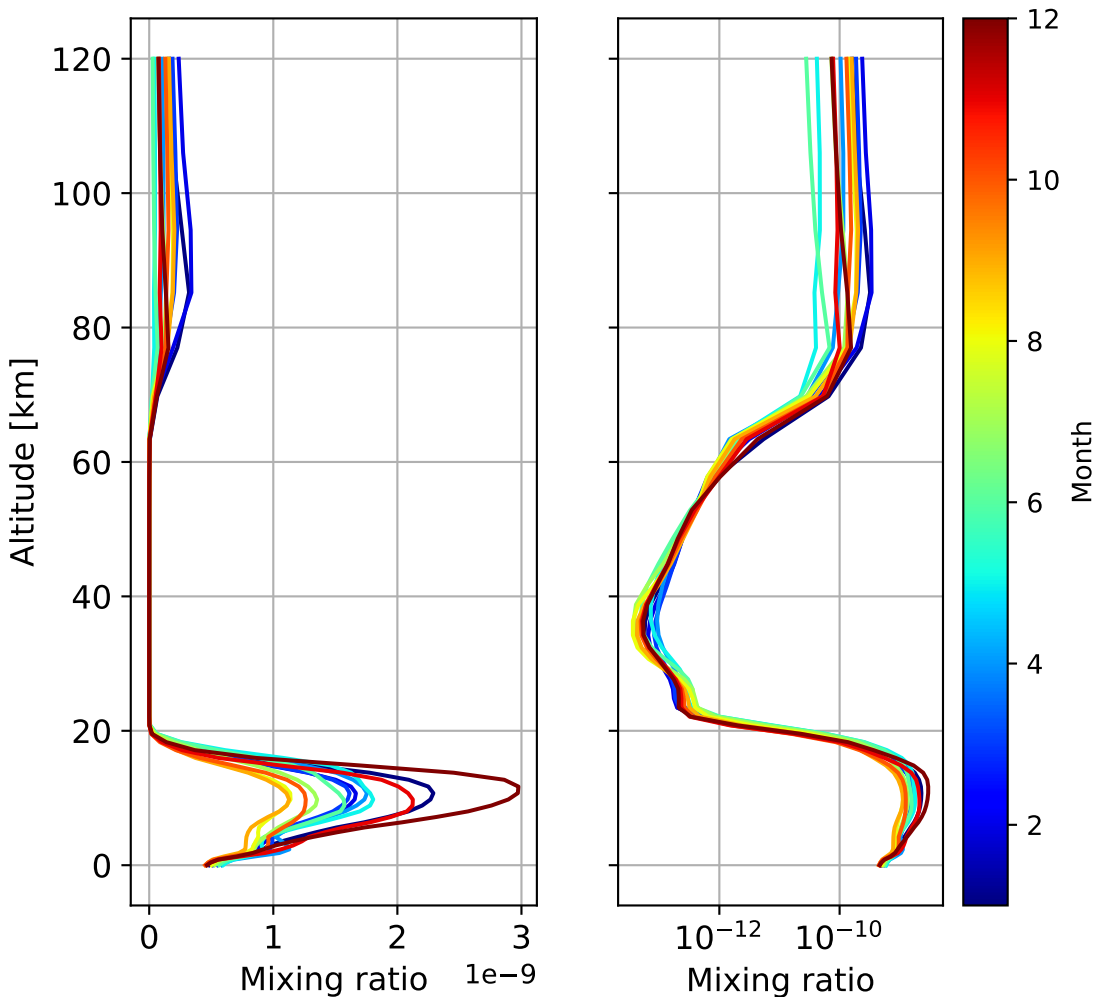
Time Series of vertical profiles (site altitude - 120 km)



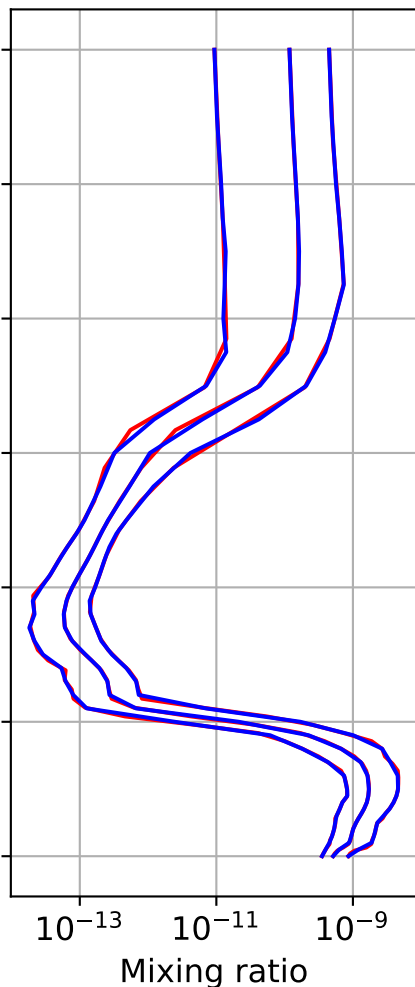
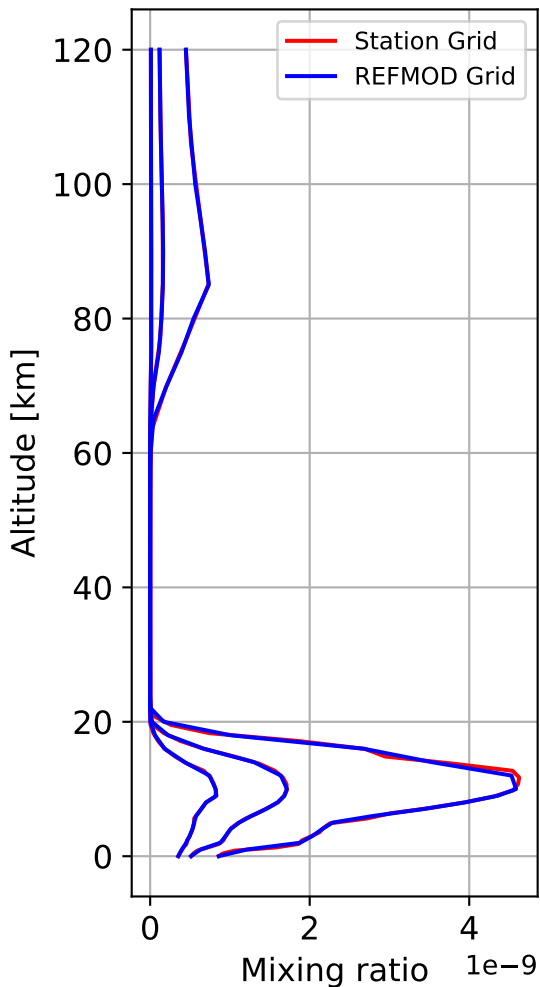
Time Series of vertical profiles (site altitude - 40 km)



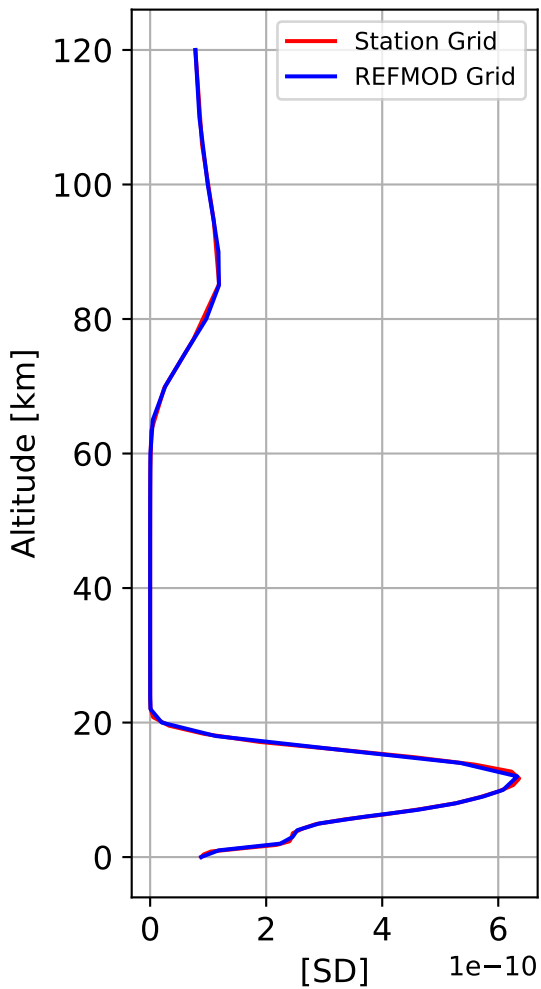
Monthly mean WACCM profile (interpolated to station grid)  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



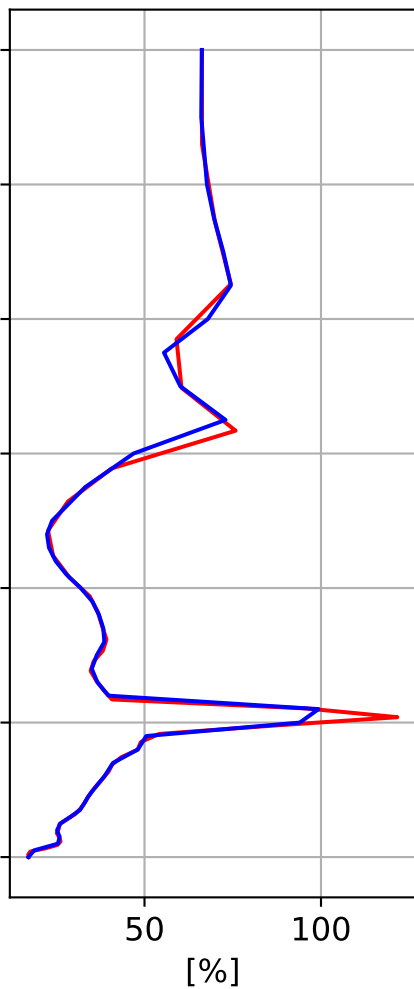
Min, Max, Mean of 732 profiles  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-19$

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

Mixing ratio[ $\sim 2$ ]

4.0  
3.5  
3.0  
2.5  
2.0  
1.5  
1.0  
0.5  
0.0

