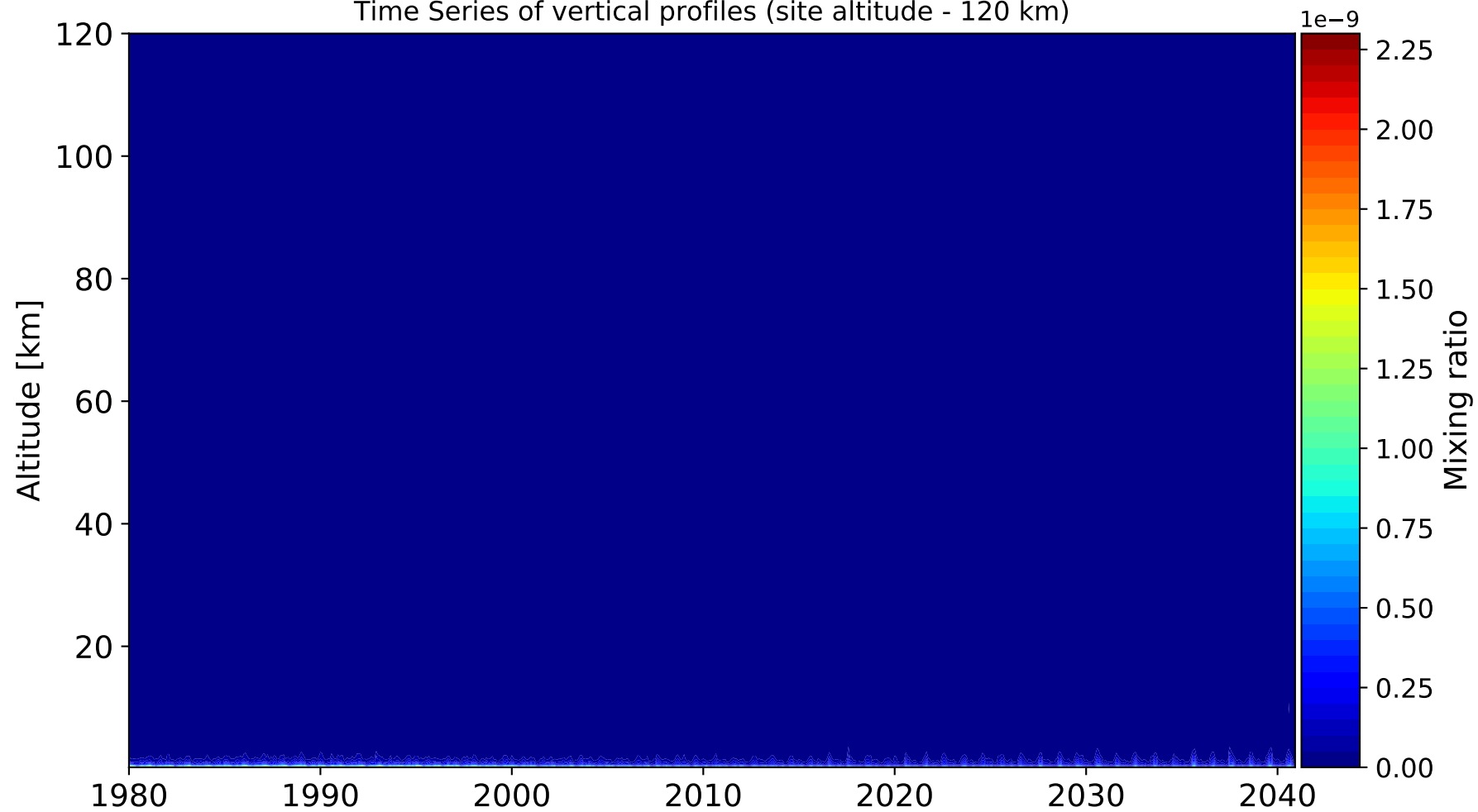
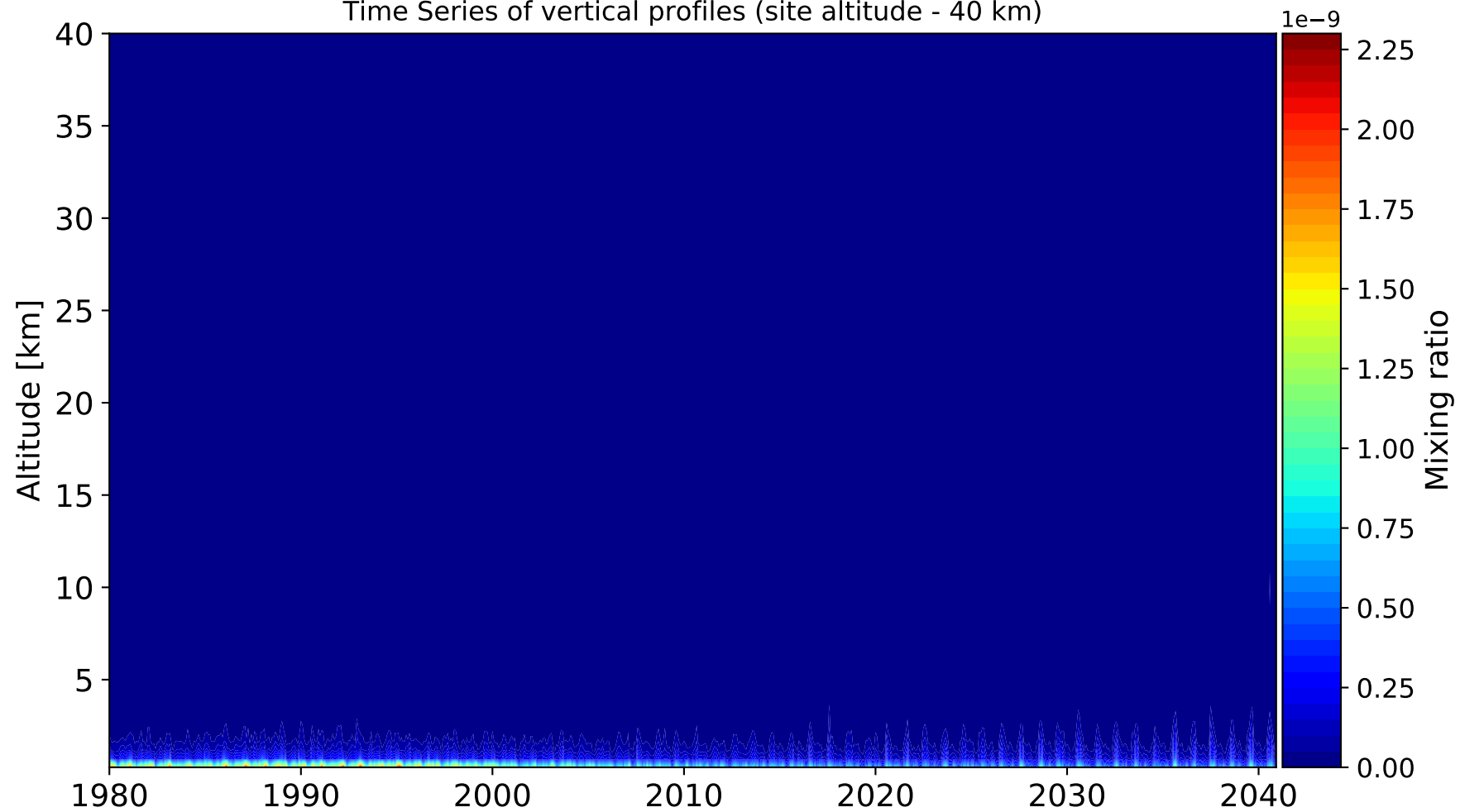


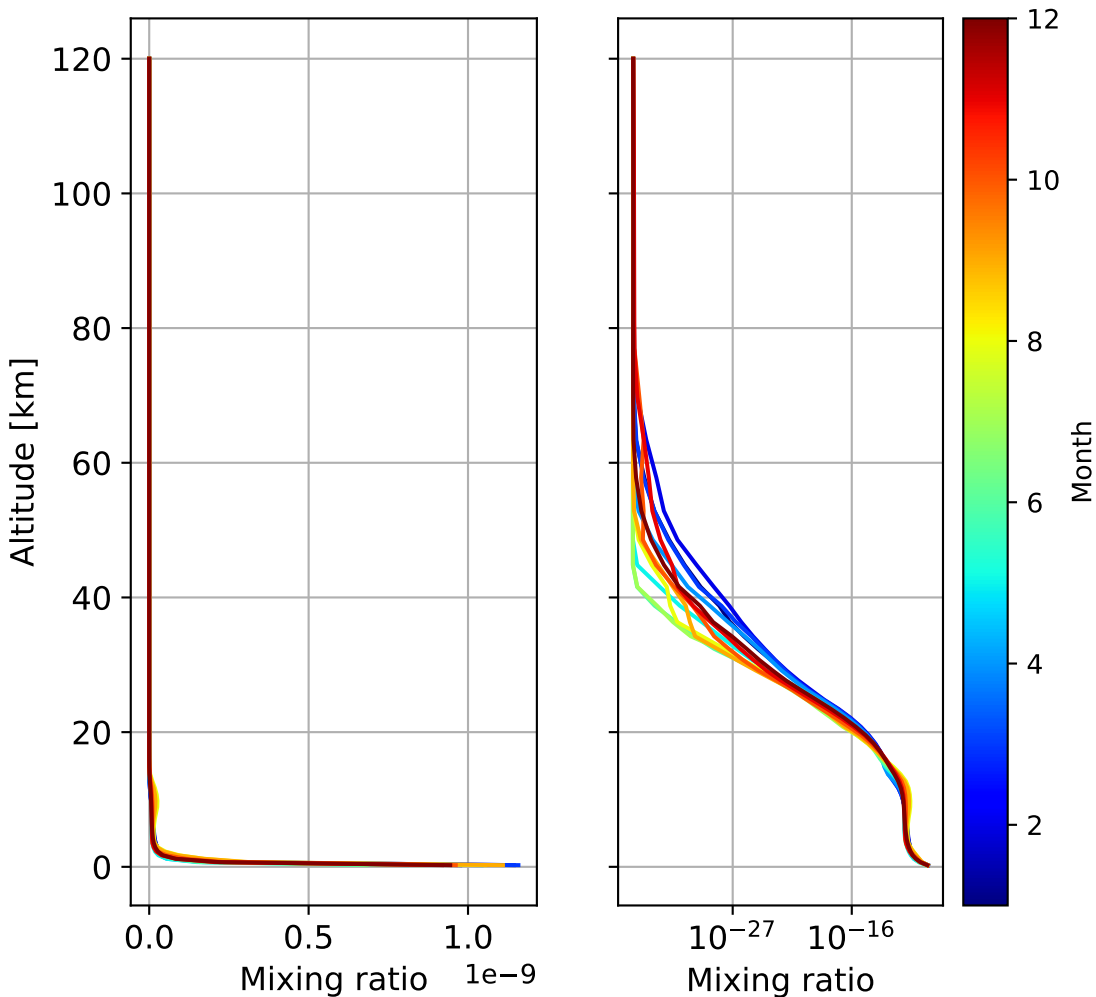
Time Series of vertical profiles (site altitude - 120 km)



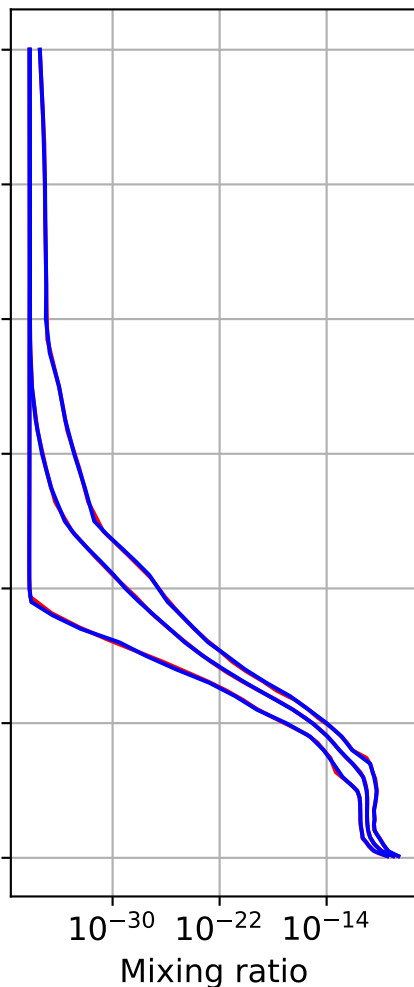
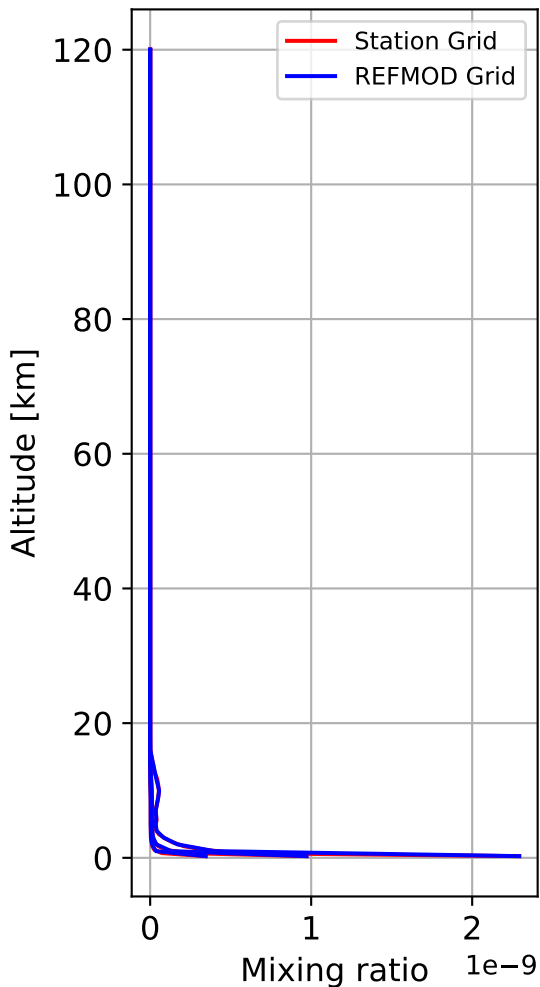
Time Series of vertical profiles (site altitude - 40 km)



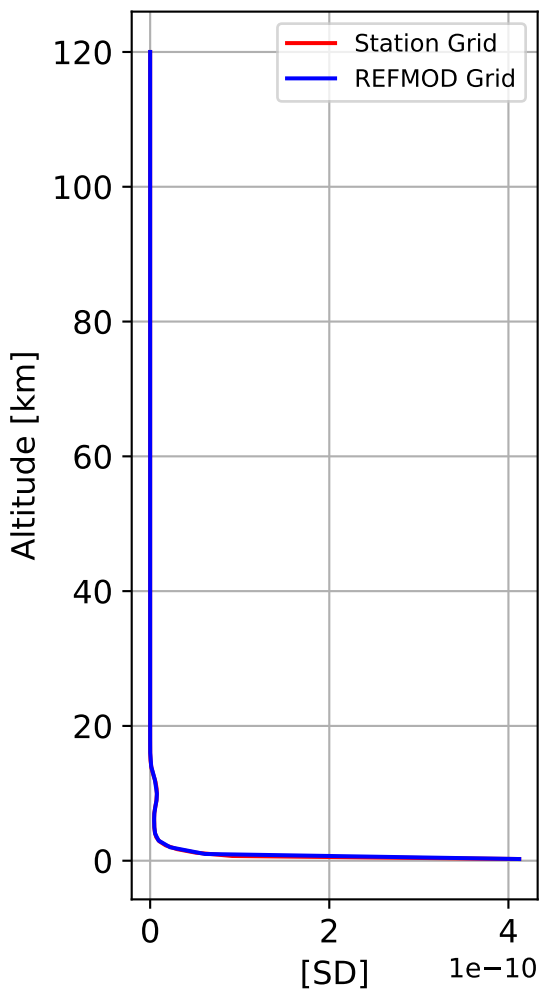
Monthly mean WACCM profile (interpolated to station grid)  
Egbert, 44.217N, 280.233E, 0.251kmasl



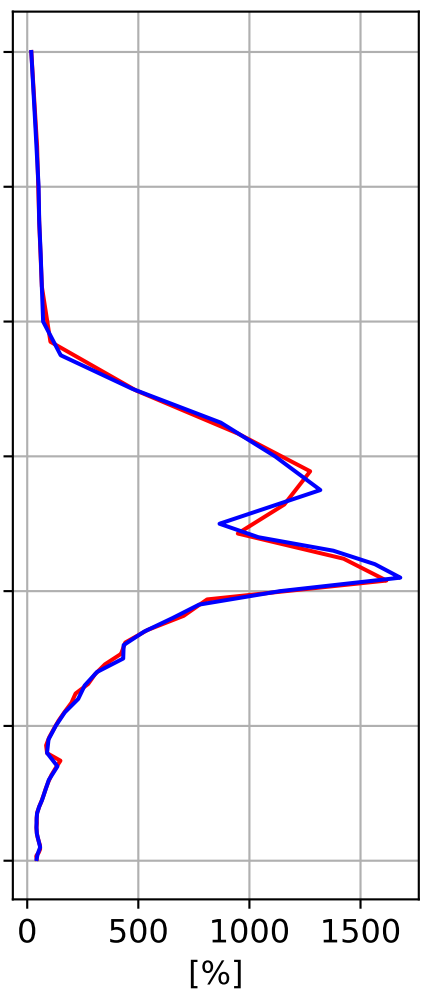
Min, Max, Mean of 732 profiles  
Egbert, 44.217N, 280.233E, 0.251kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

1e-19

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

20 40 60 80 100 120

Mixing ratio[ $\wedge 2$ ]

1.6  
1.4  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

