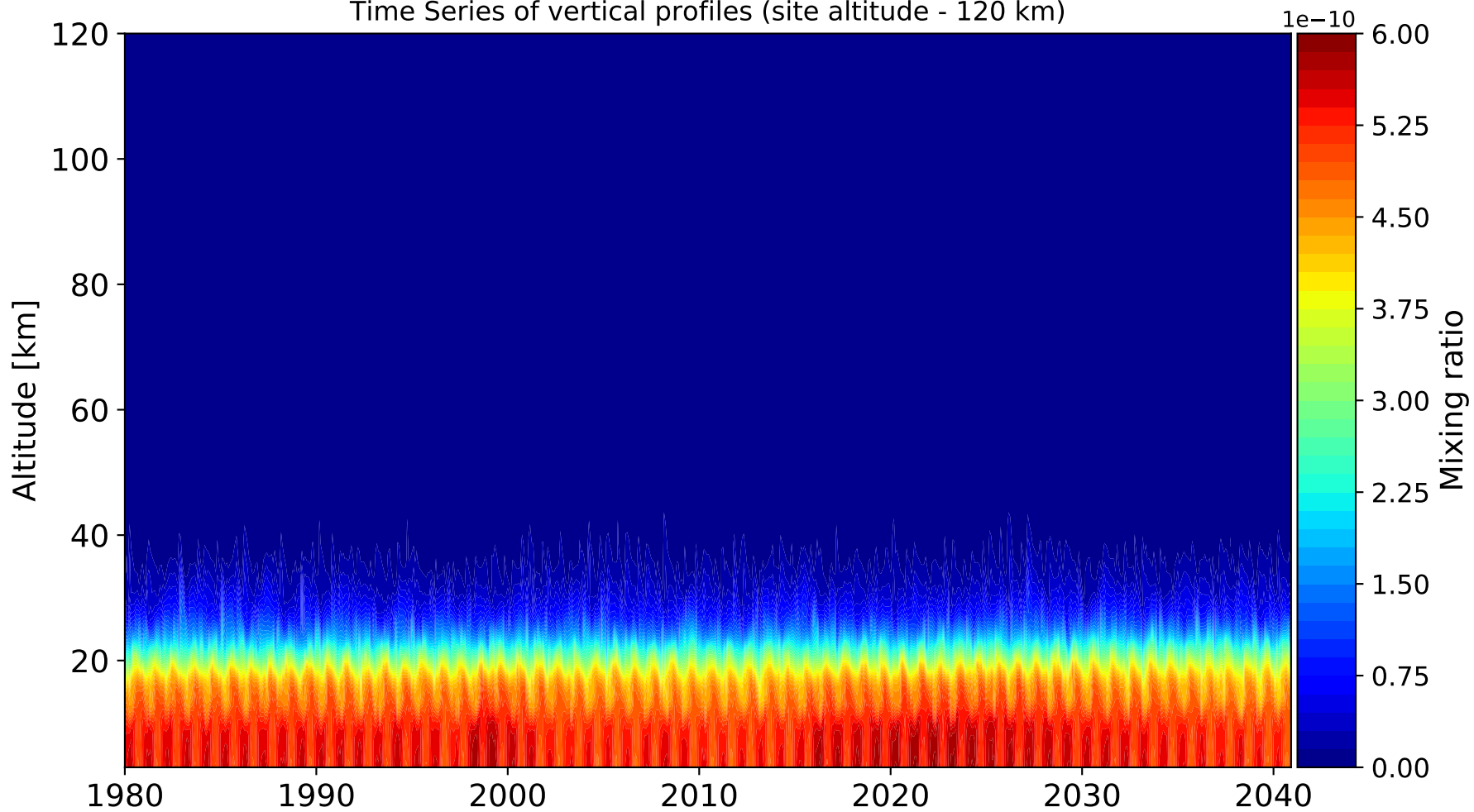
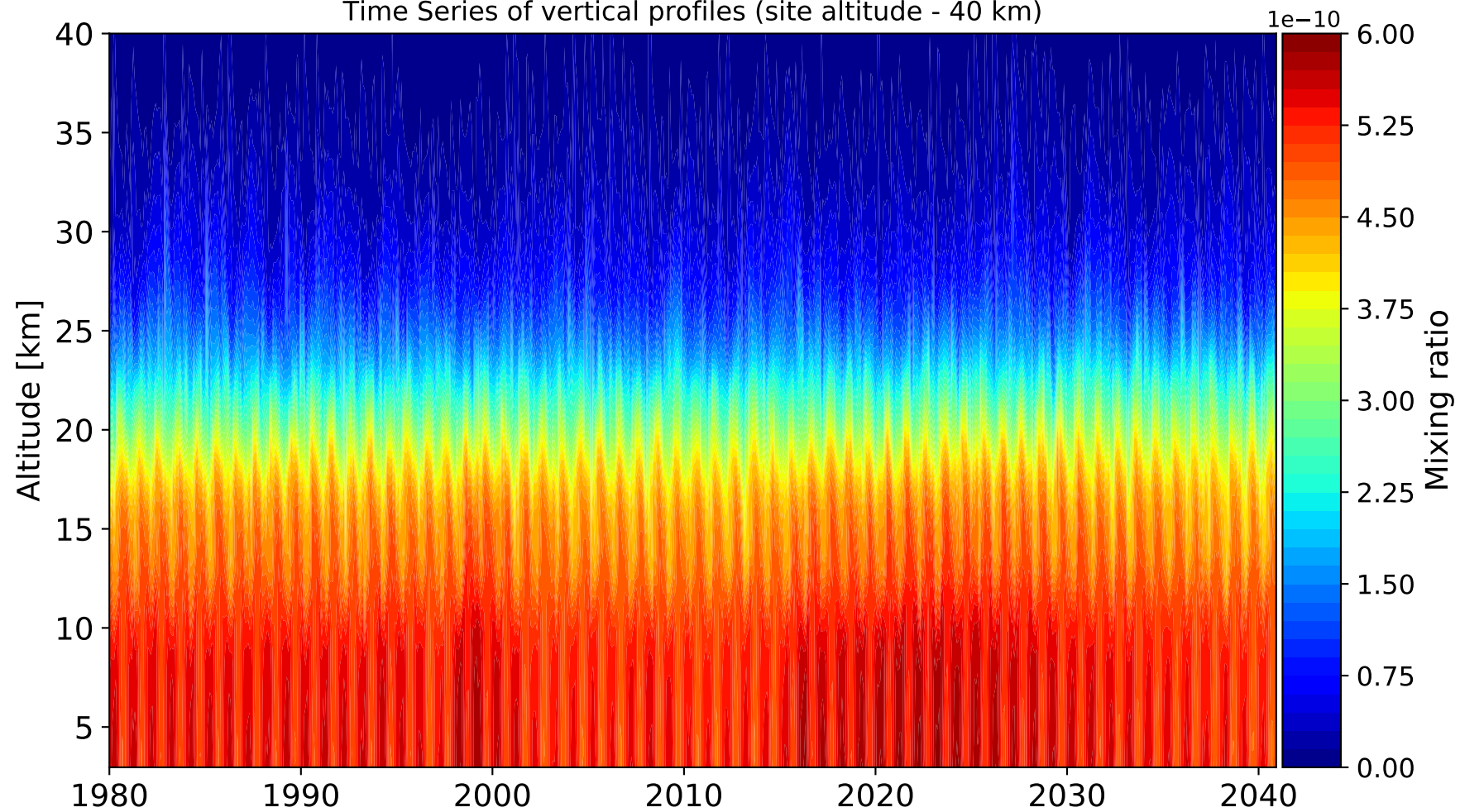


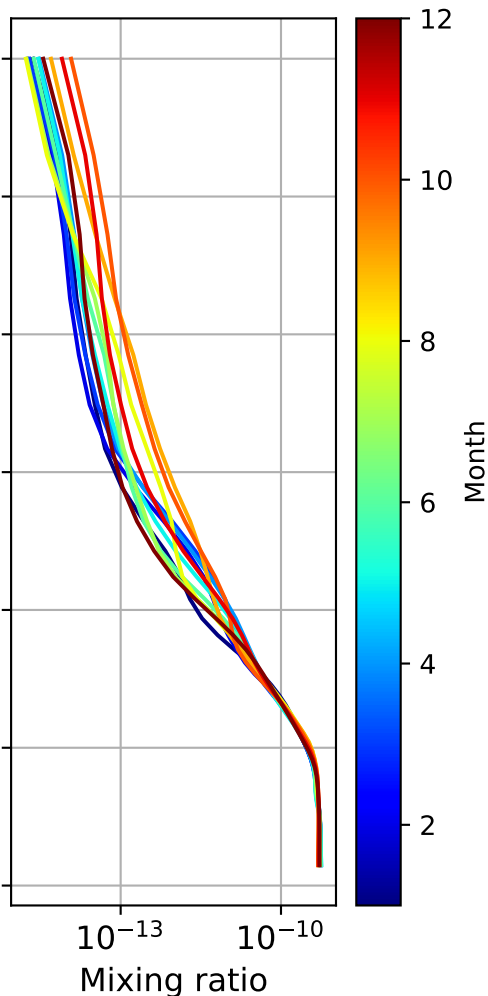
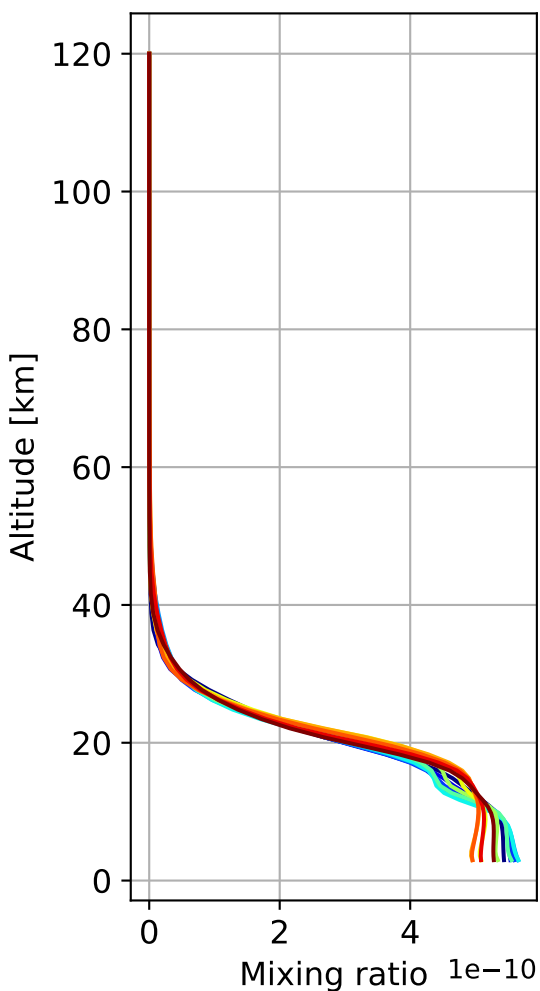
Time Series of vertical profiles (site altitude - 120 km)



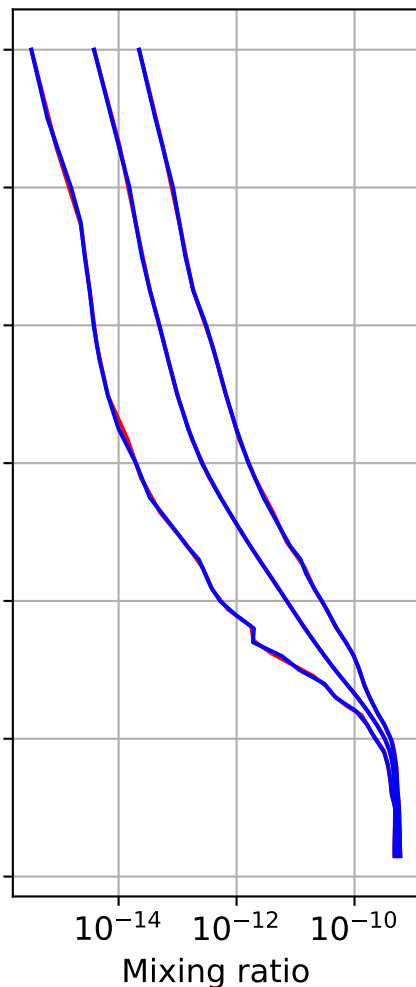
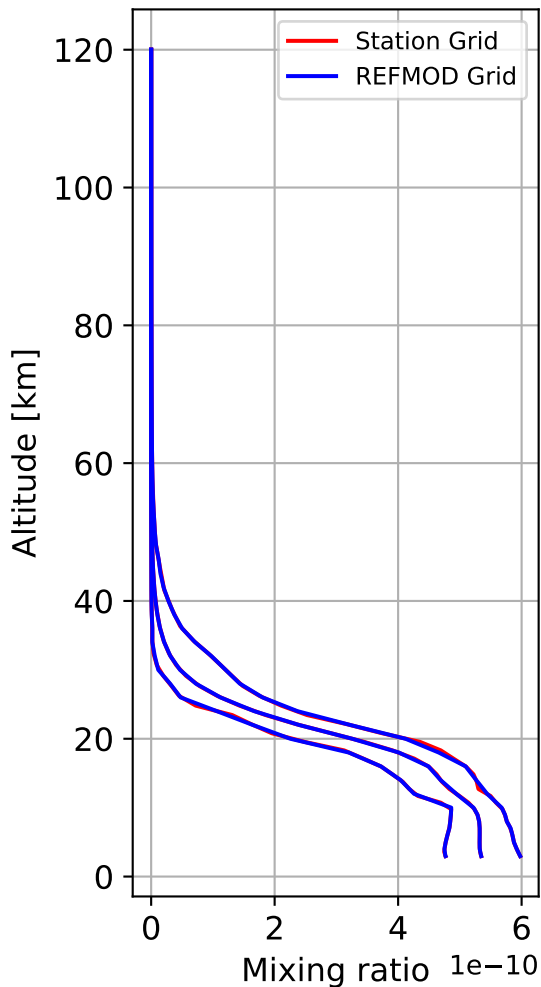
Time Series of vertical profiles (site altitude - 40 km)



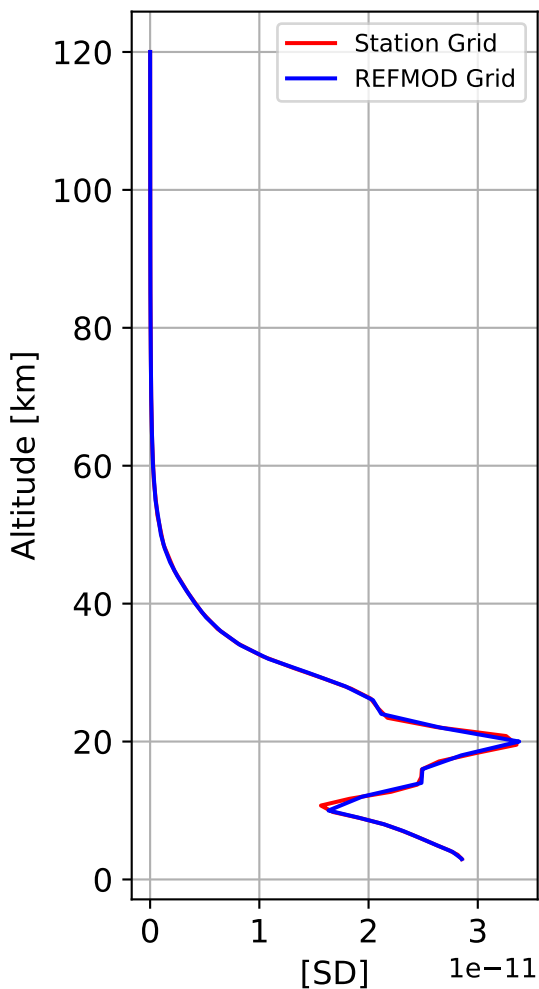
# Monthly mean WACCM profile (interpolated to station grid) Zugspitze, 47.42N, 10.98E, 2.964kmasl



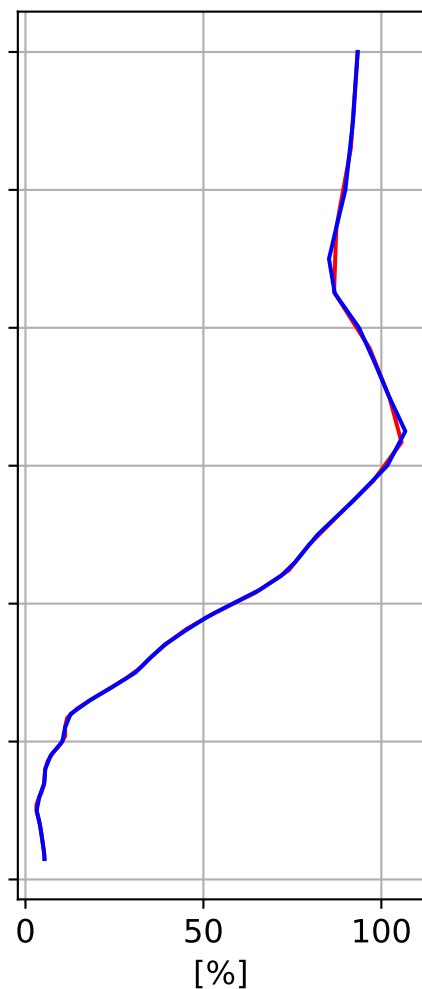
Min, Max, Mean of 732 profiles  
Zugspitze, 47.42N, 10.98E, 2.964kmasl



### Std. Deviation



### Percent Deviation

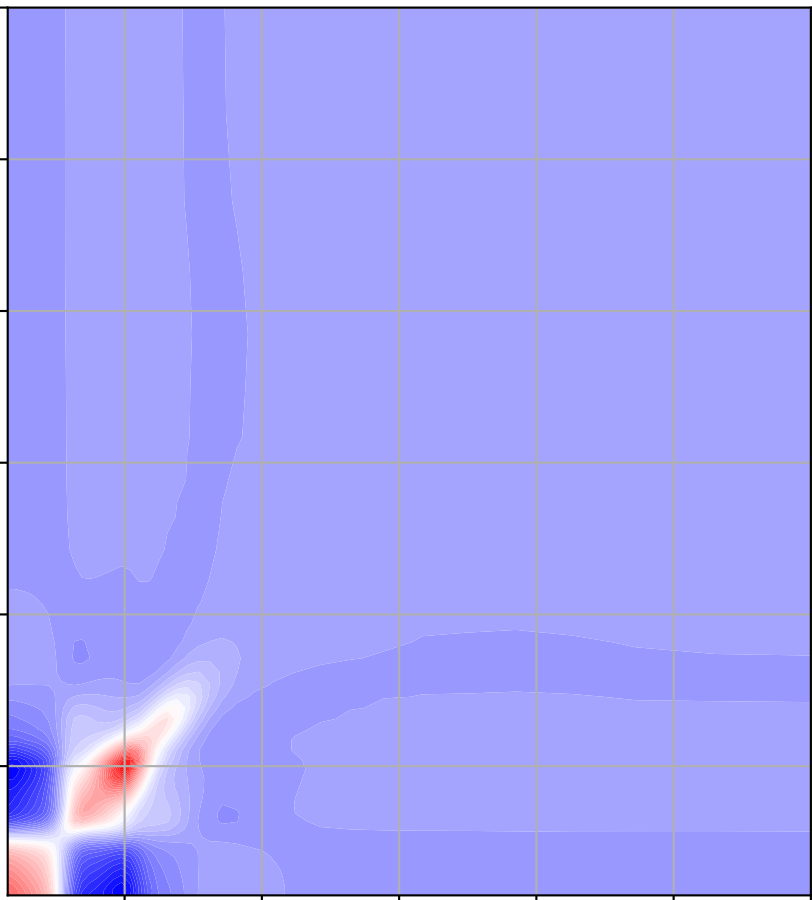


# Level covariance matrix

$1e-21$

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

Mixing ratio[ $\sim 2$ ]

1.0  
0.8  
0.6  
0.4  
0.2  
0.0  
-0.2  
-0.4