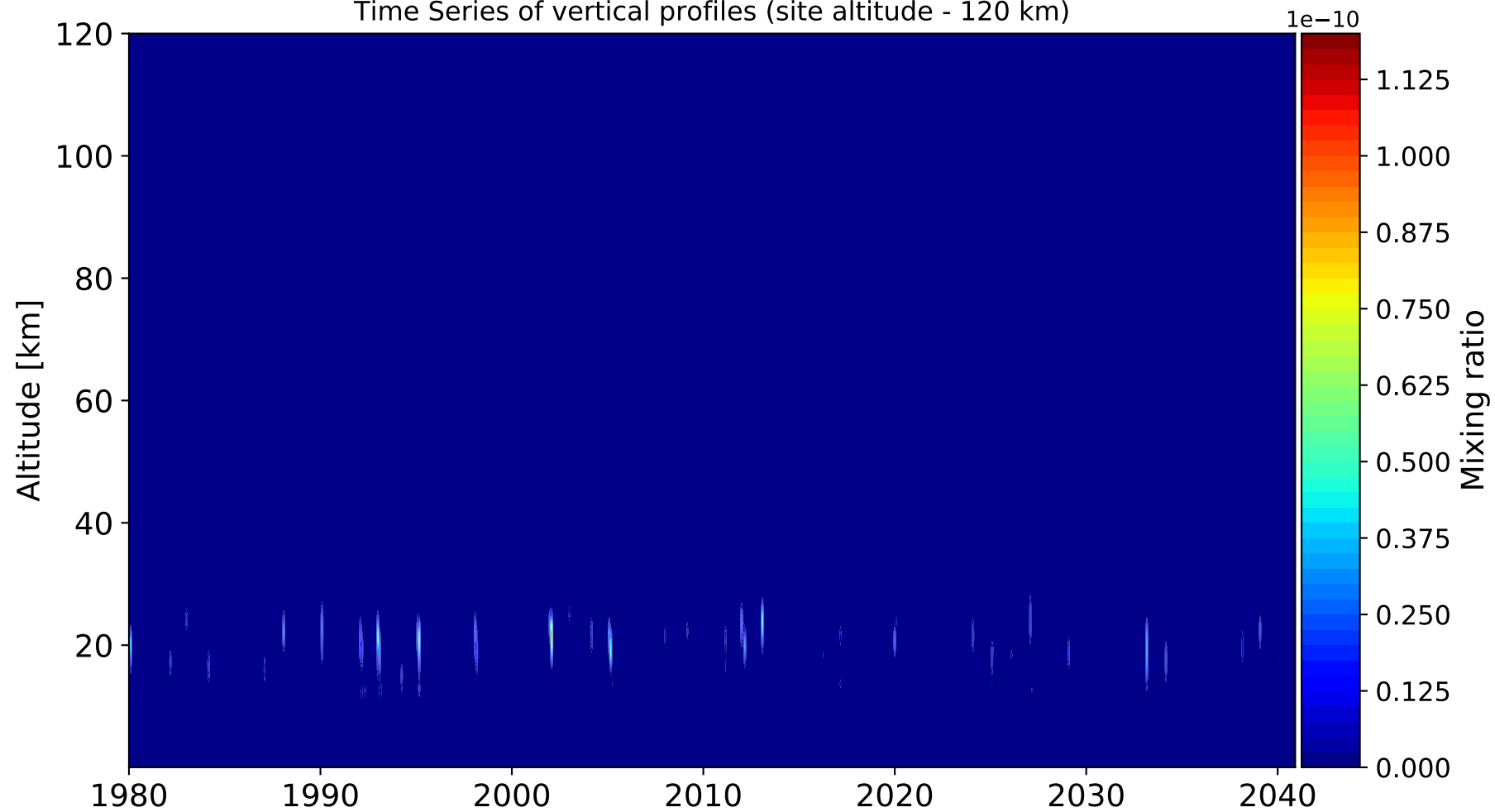
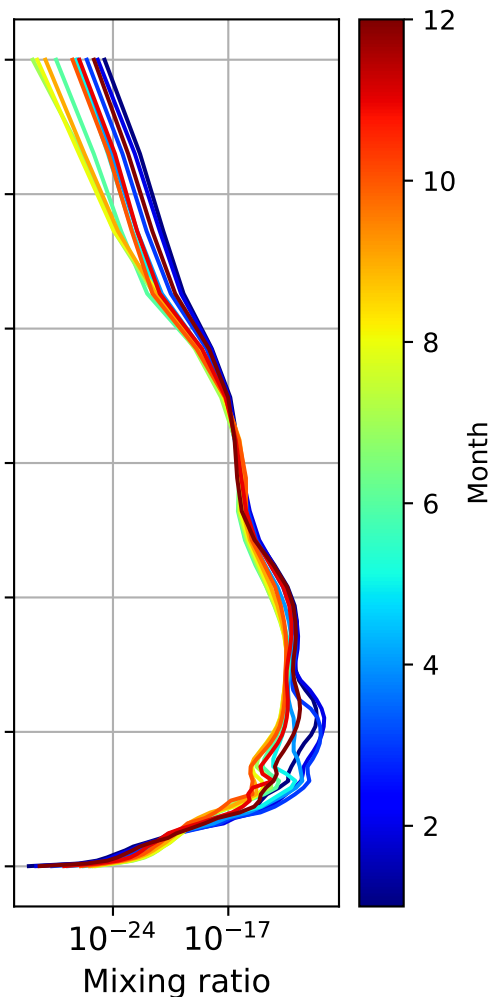
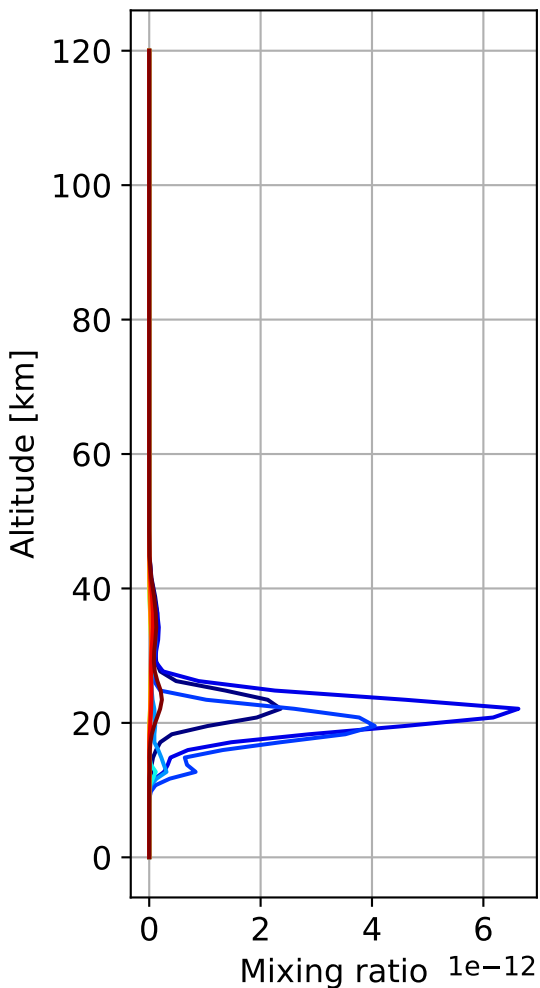


Time Series of vertical profiles (site altitude - 120 km)

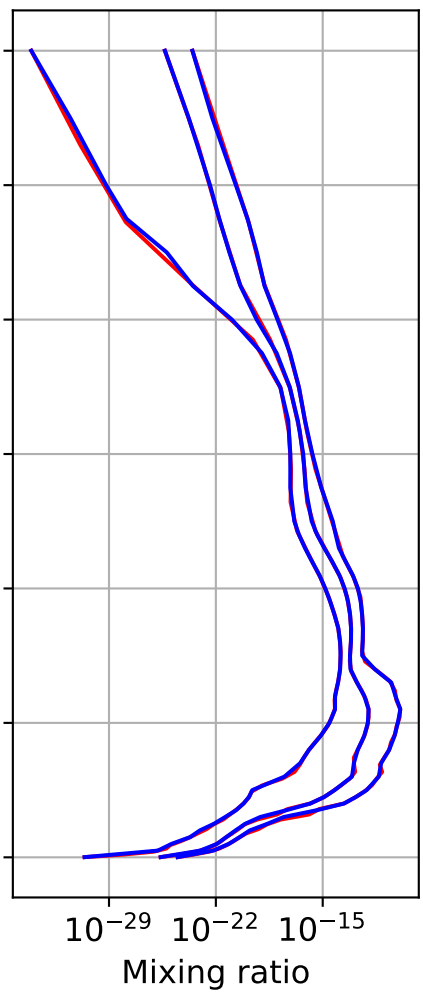
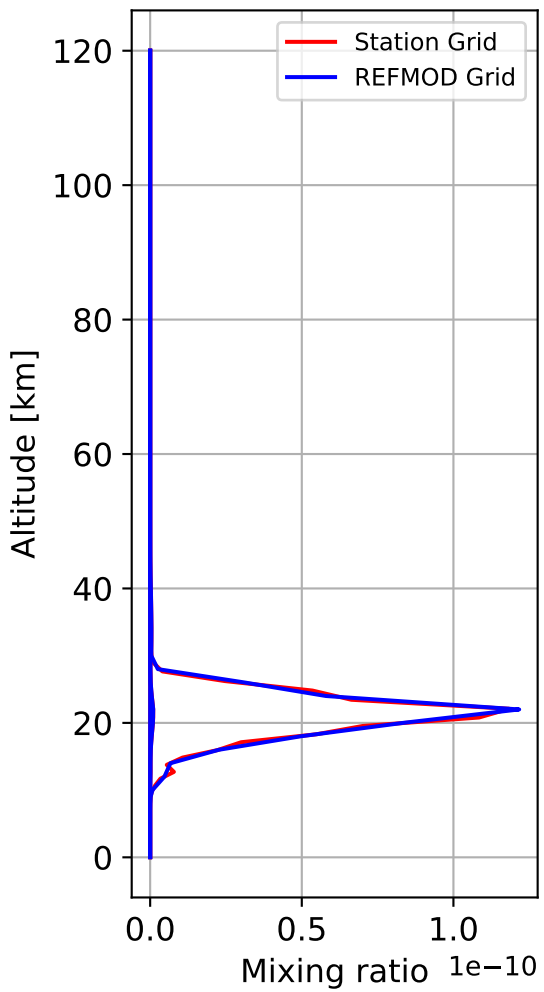




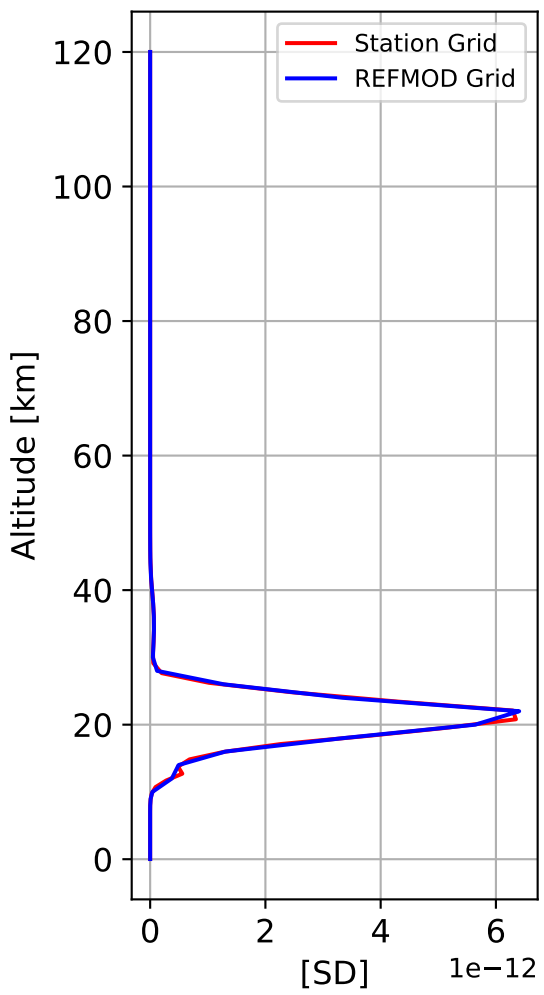
# Monthly mean WACCM profile (interpolated to station grid) Bremen, 53.1N, 8.9E, 0.027kmasl



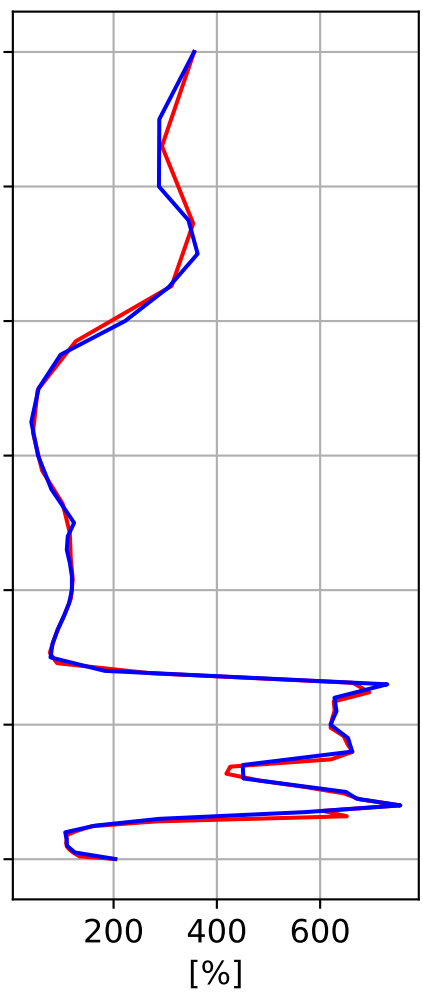
# Min, Max, Mean of 732 profiles Bremen, 53.1N, 8.9E, 0.027kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-23$

Altitude [km]

120  
100  
80  
60  
40  
20

20

Altitude [km]

40

60

80

100

120

Mixing ratio<sup>2</sup>

3.84  
3.36  
2.88  
2.40  
1.92  
1.44  
0.96  
0.48  
0.00

