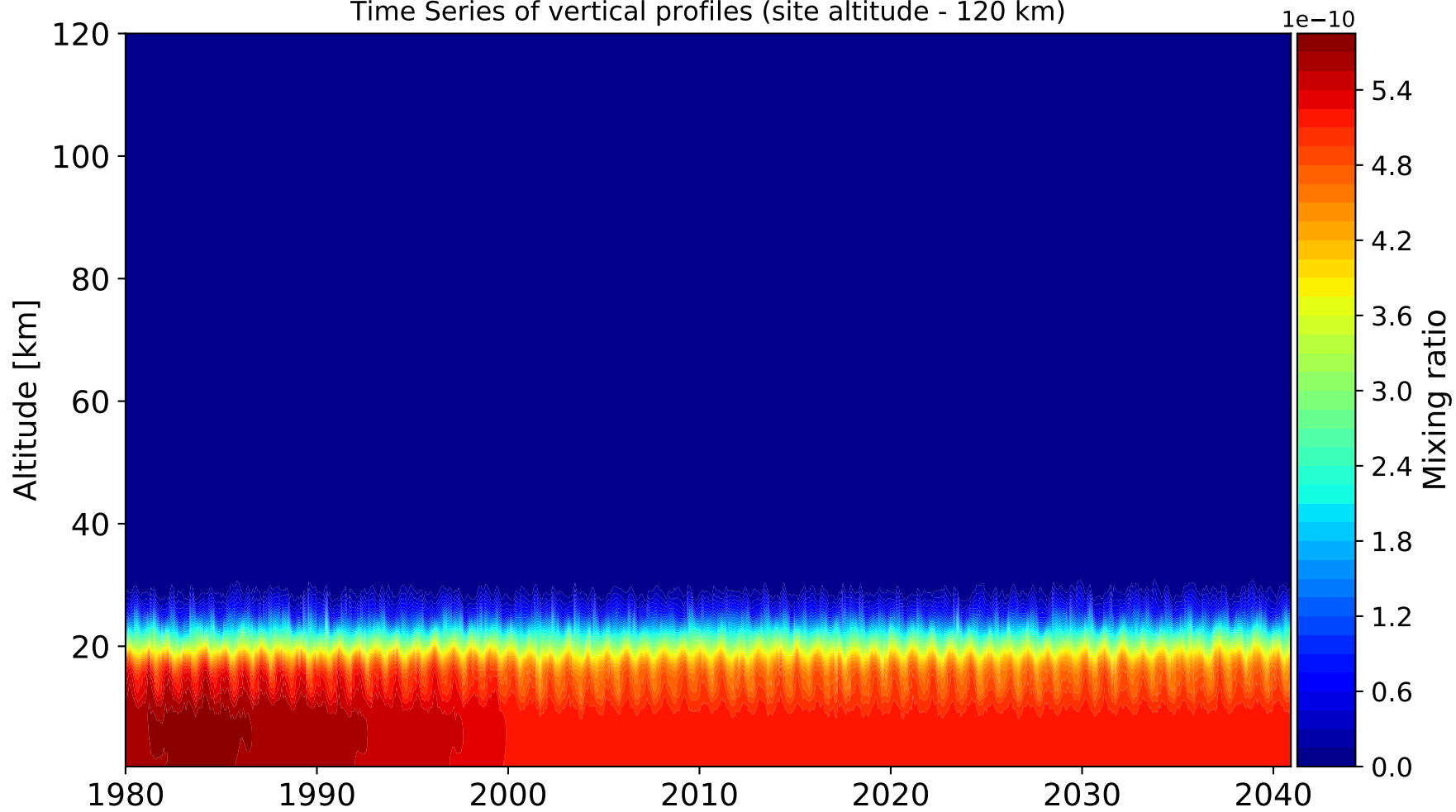
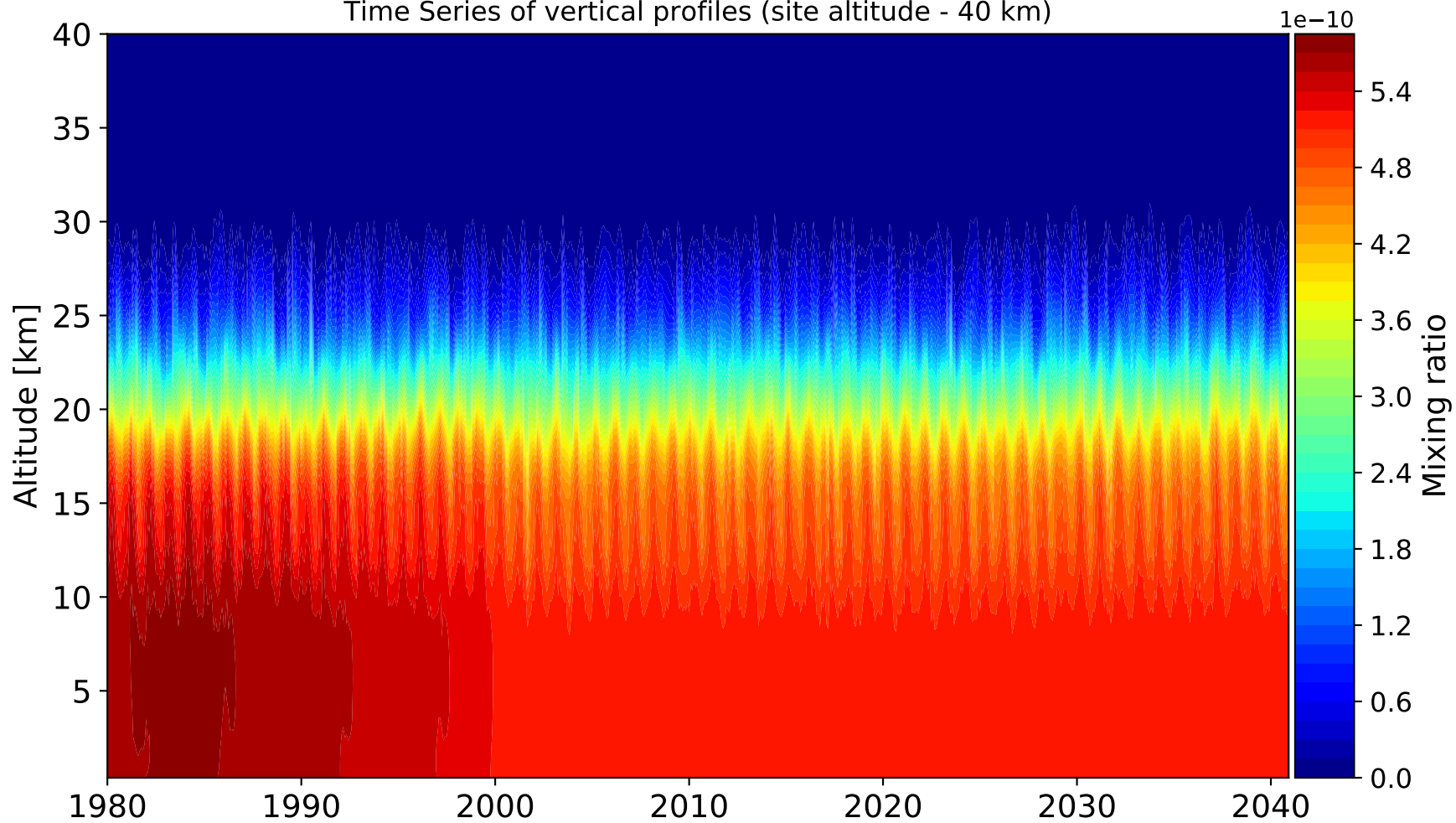


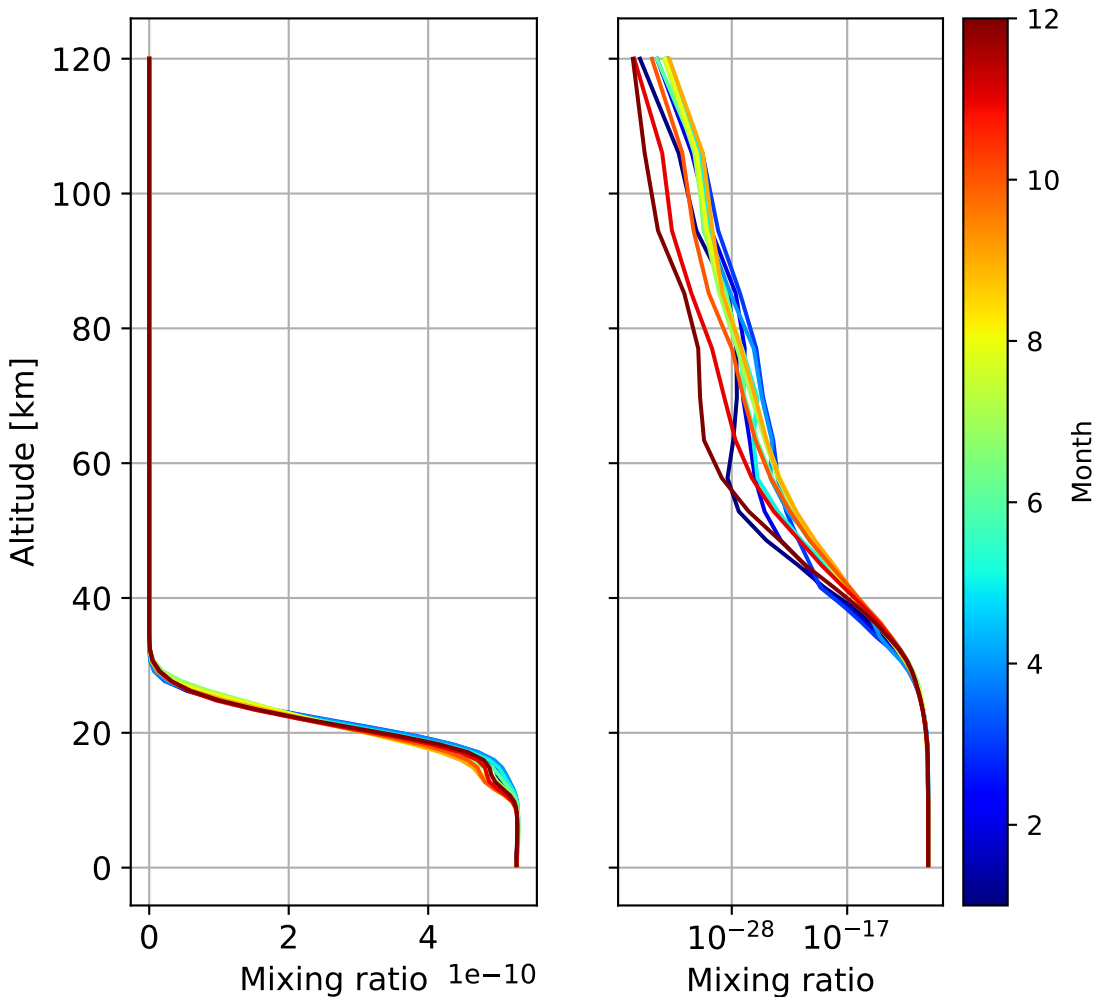
Time Series of vertical profiles (site altitude - 120 km)



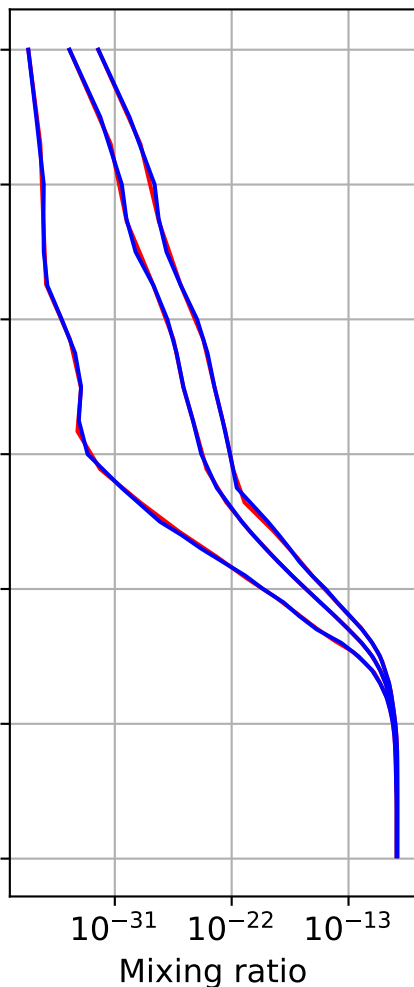
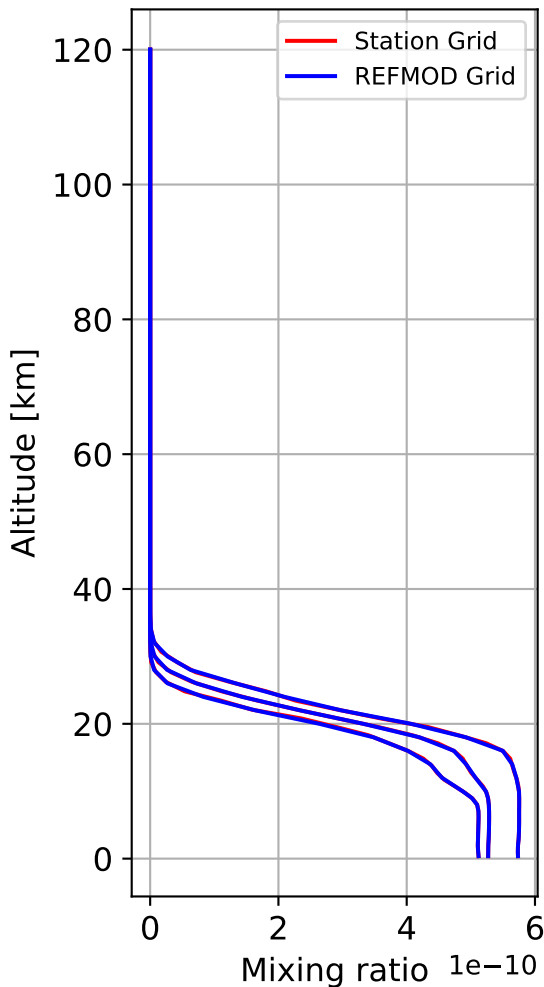
Time Series of vertical profiles (site altitude - 40 km)



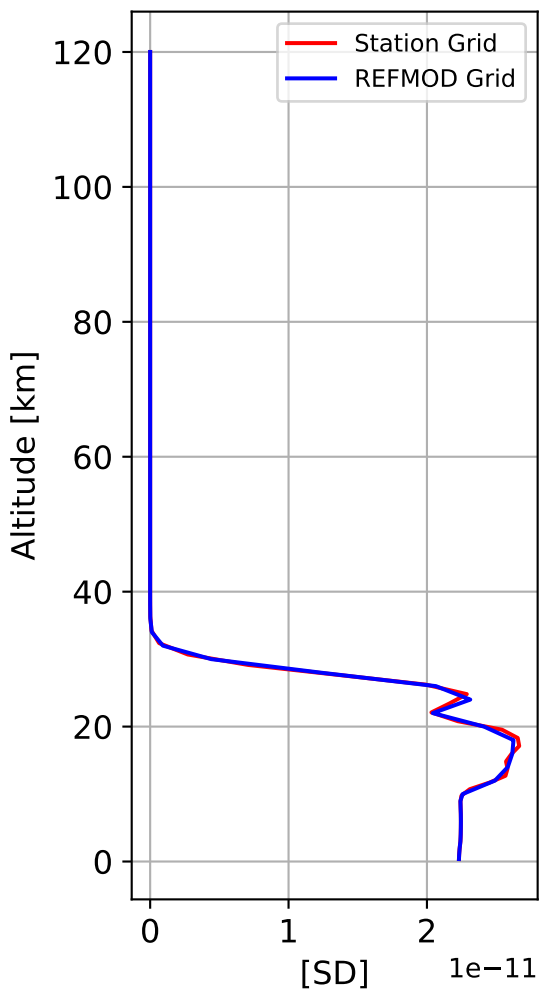
# Monthly mean WACCM profile (interpolated to station grid) Lauder, -45.05N, 169.67E, 0.37kmasl



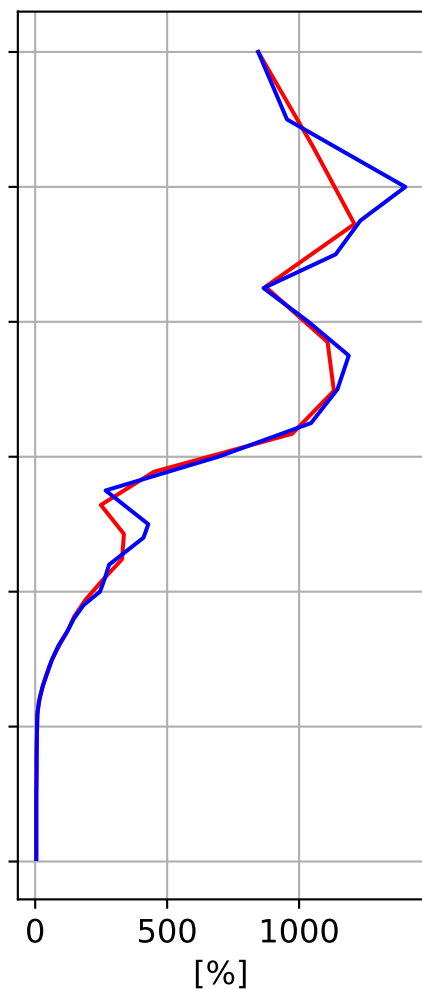
Min, Max, Mean of 732 profiles  
Lauder, -45.05N, 169.67E, 0.37kmasl



### Std. Deviation



### Percent Deviation

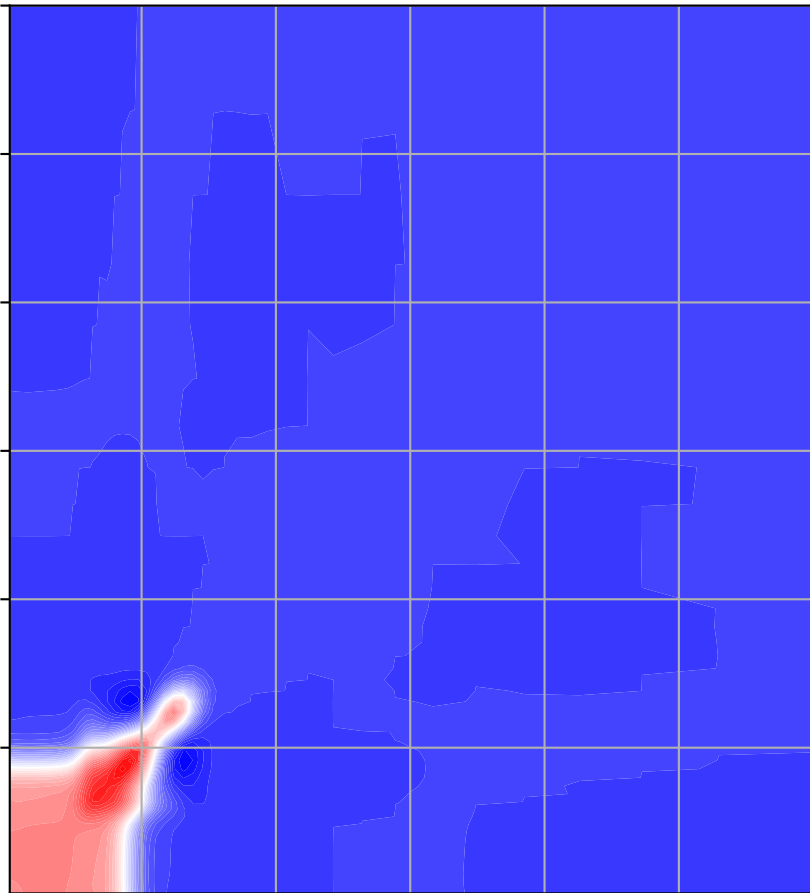


# Level covariance matrix

$1e-22$

Altitude [km]

120  
100  
80  
60  
40  
20



Mixing ratio<sup>2</sup>]

Altitude [km]

-1

0

1

2

3

4

5

6

7