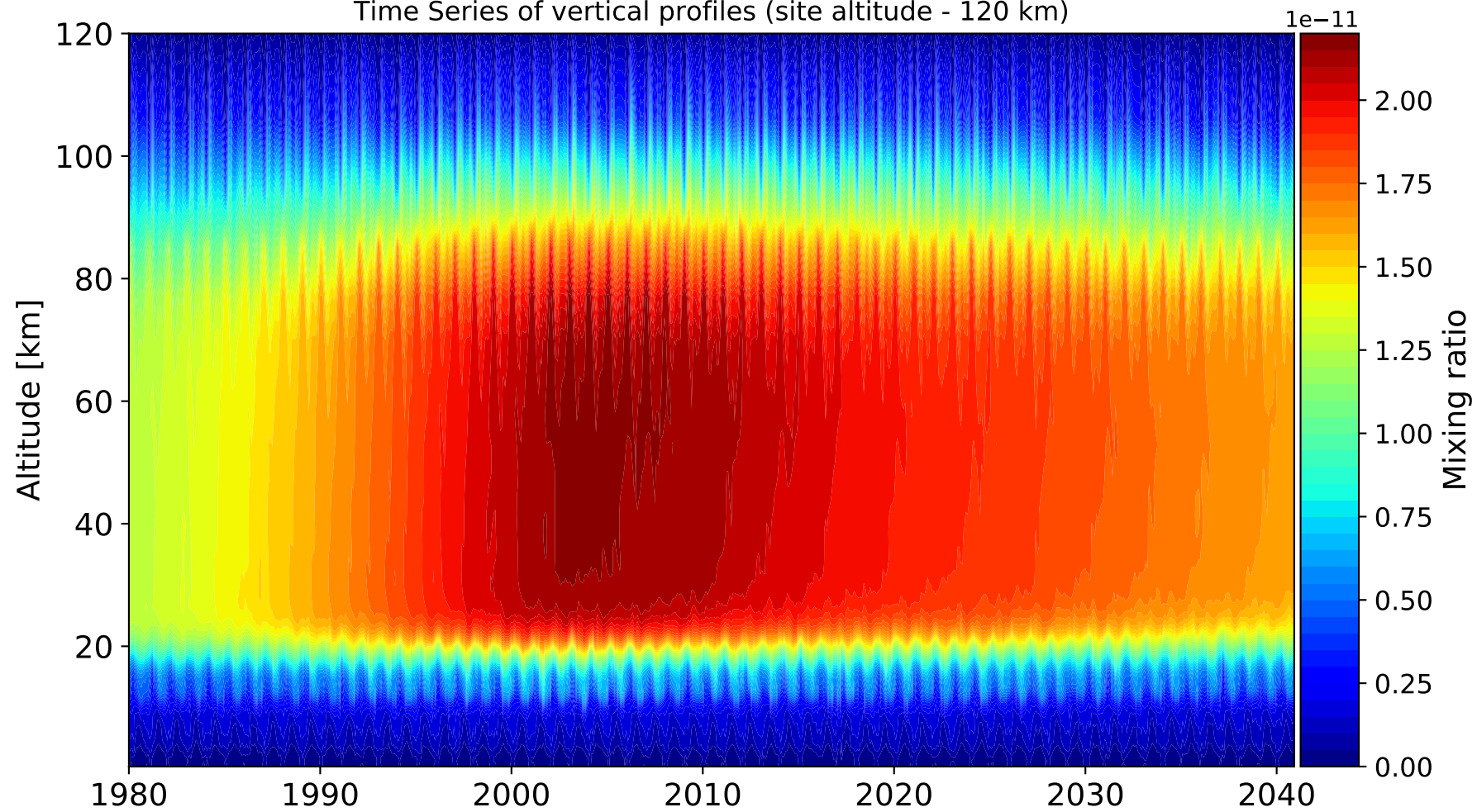
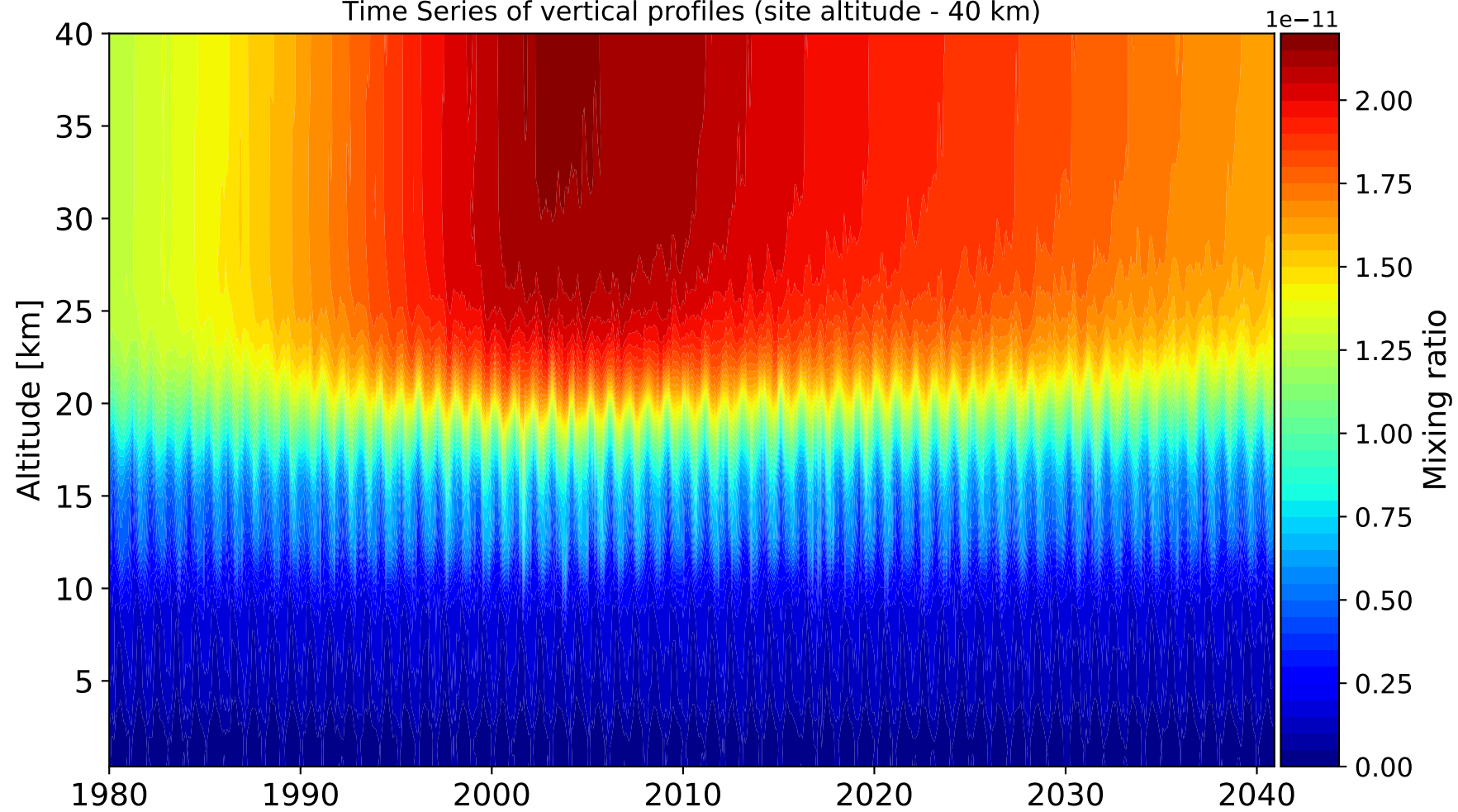


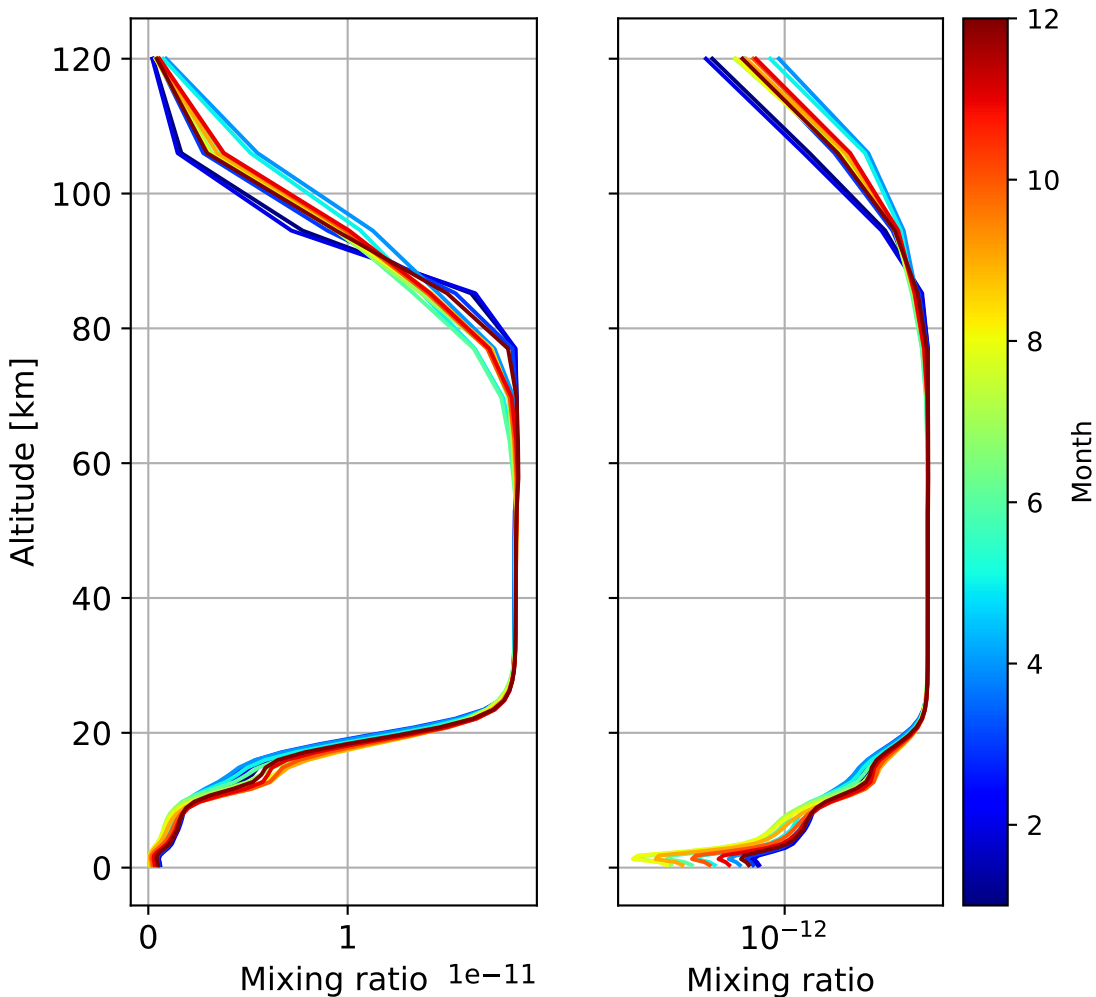
Time Series of vertical profiles (site altitude - 120 km)



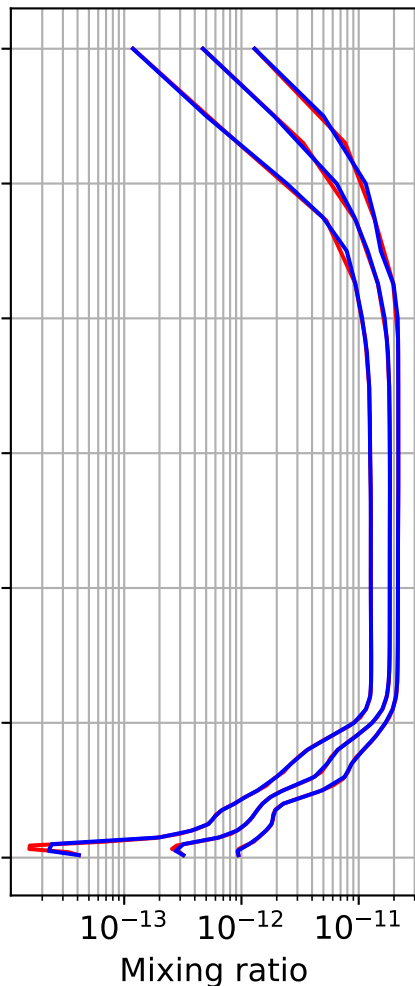
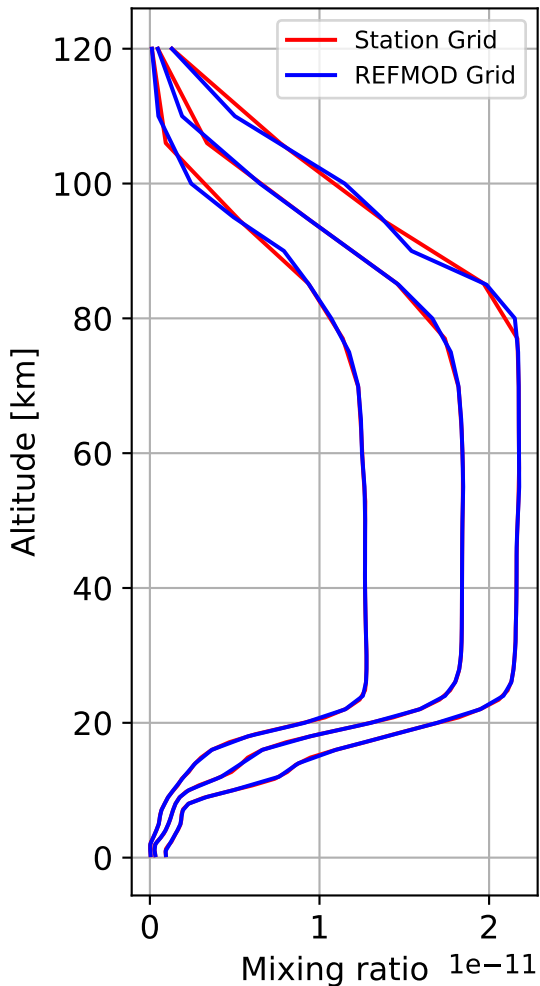
Time Series of vertical profiles (site altitude - 40 km)



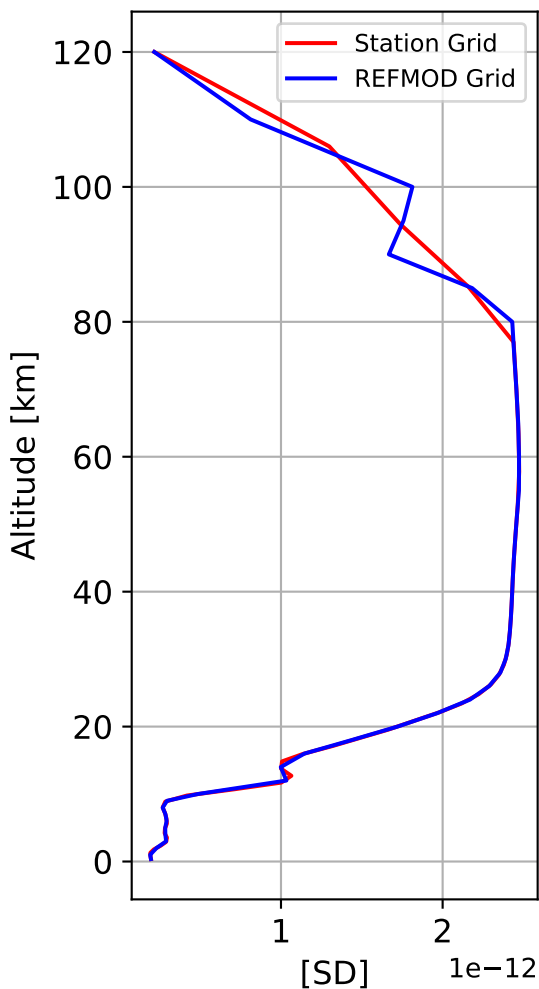
Monthly mean WACCM profile (interpolated to station grid) Lauder, -45.05N, 169.67E, 0.37kmasl



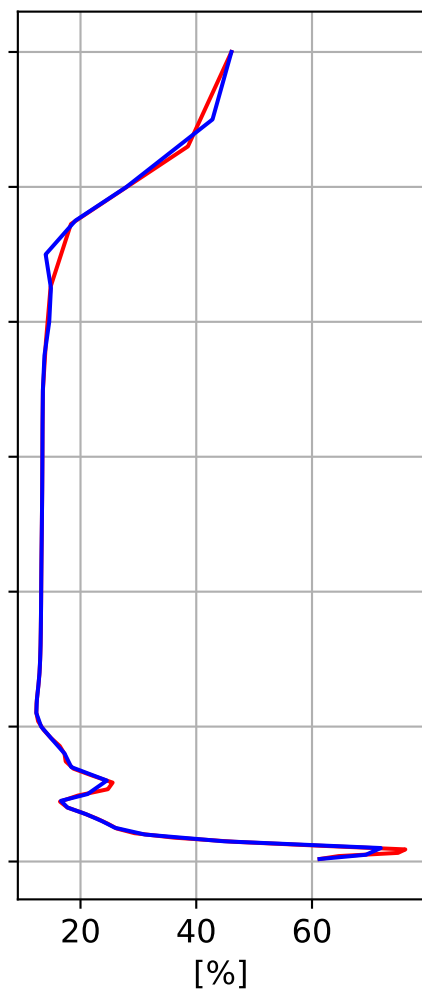
Min, Max, Mean of 732 profiles
Lauder, -45.05N, 169.67E, 0.37kmasl



Std. Deviation



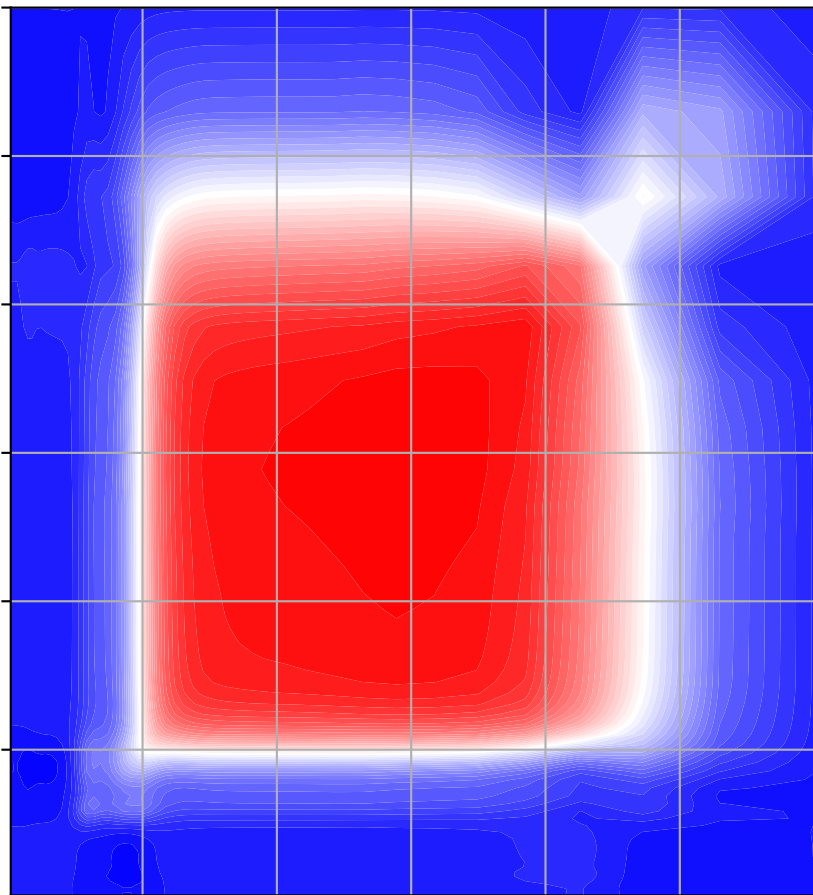
Percent Deviation



Level covariance matrix

 $1e-24$

Altitude [km]

120
100
80
60
40
206.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00
Mixing ratio²

20 40 60 80 100 120

Altitude [km]