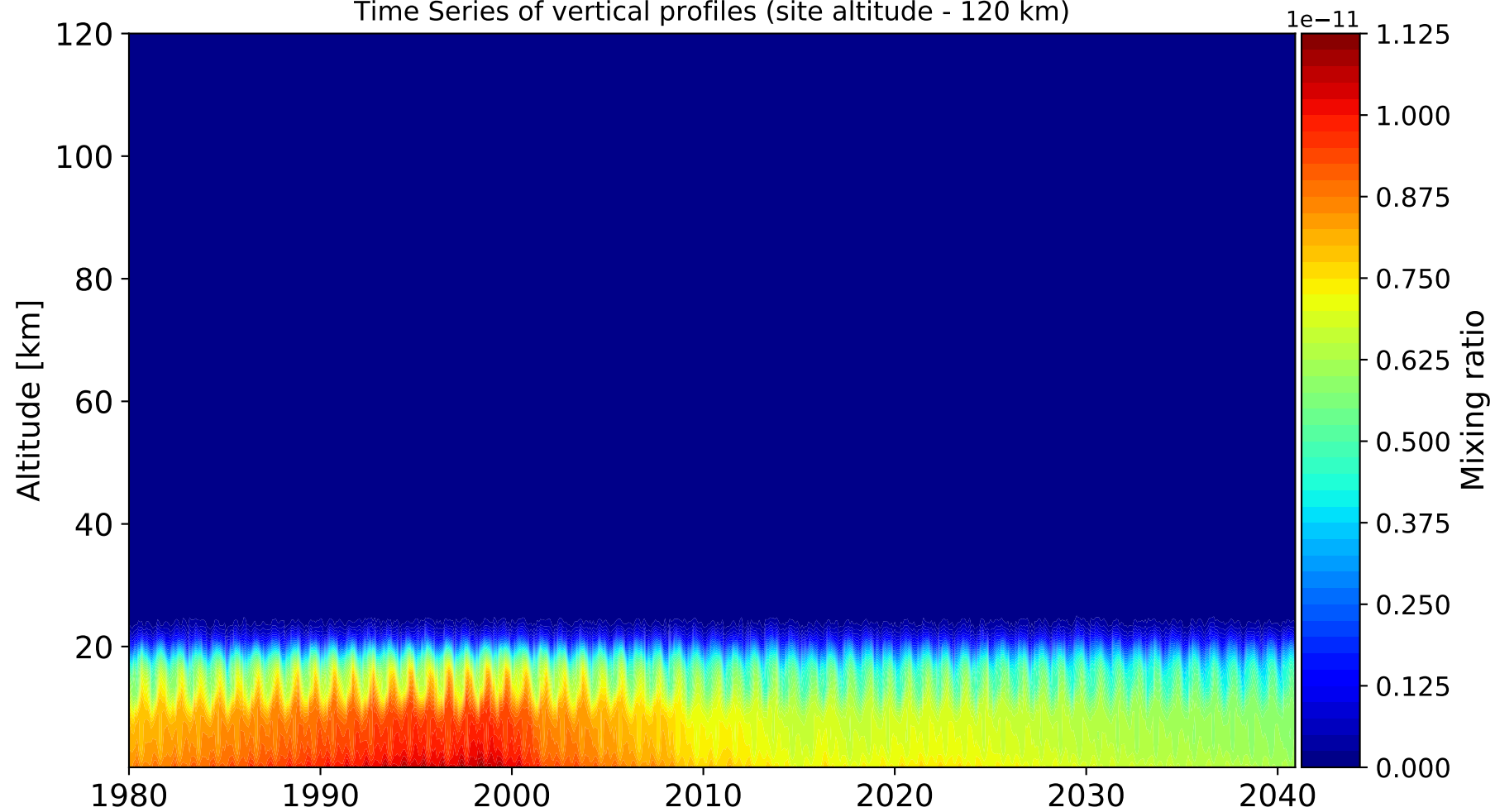
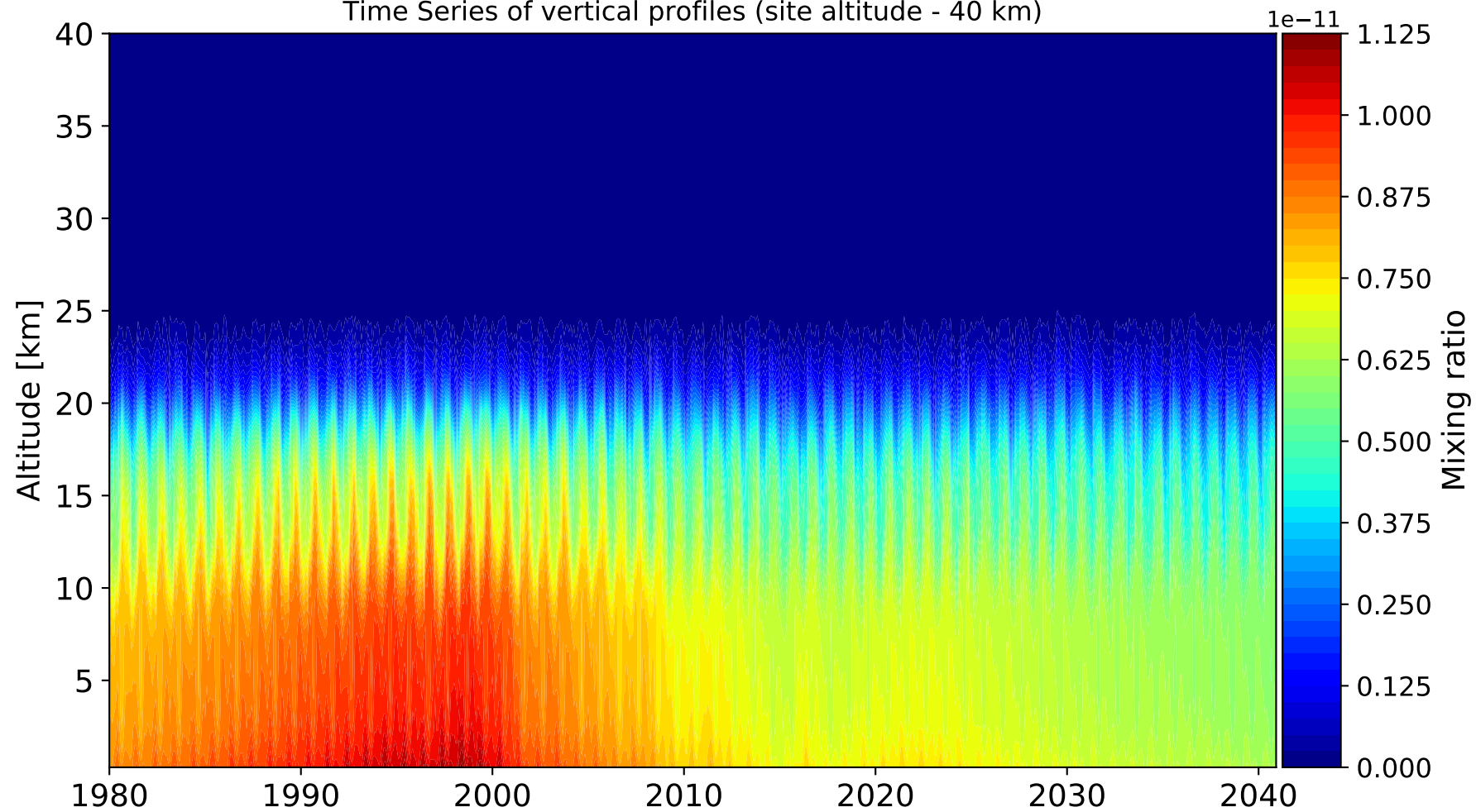


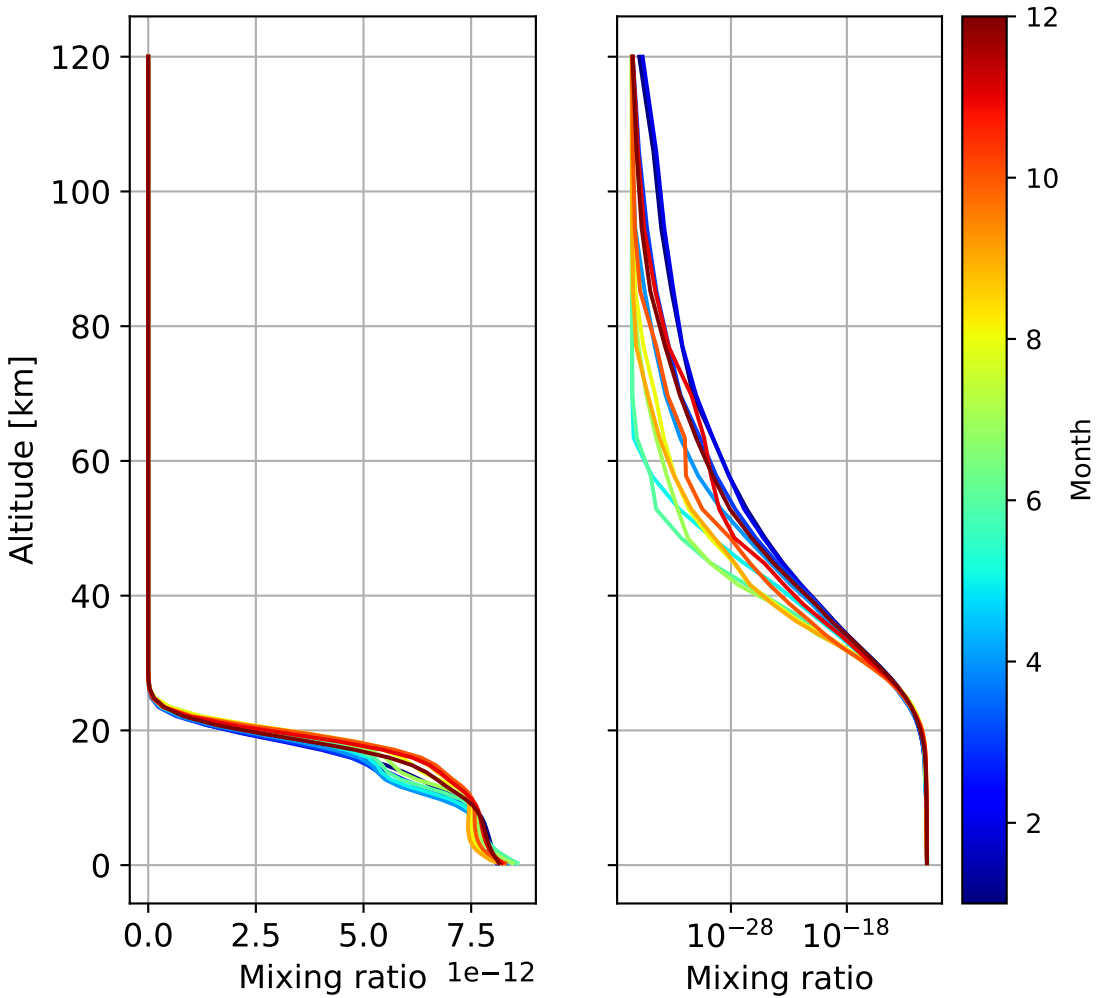
Time Series of vertical profiles (site altitude - 120 km)



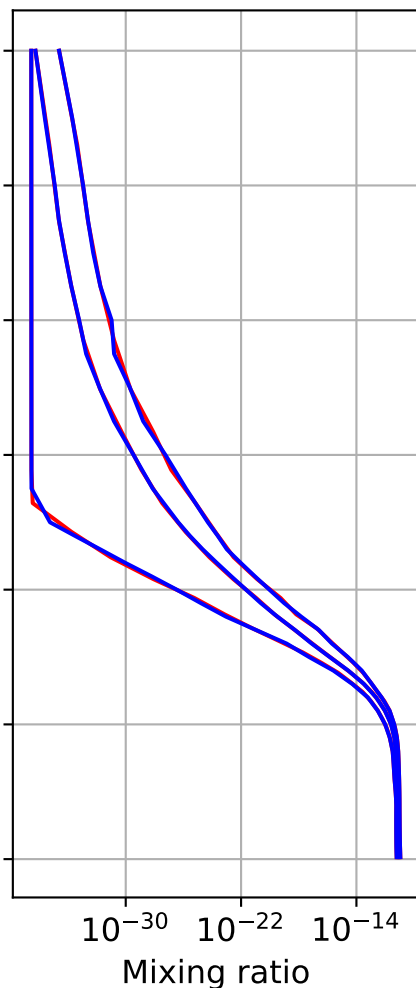
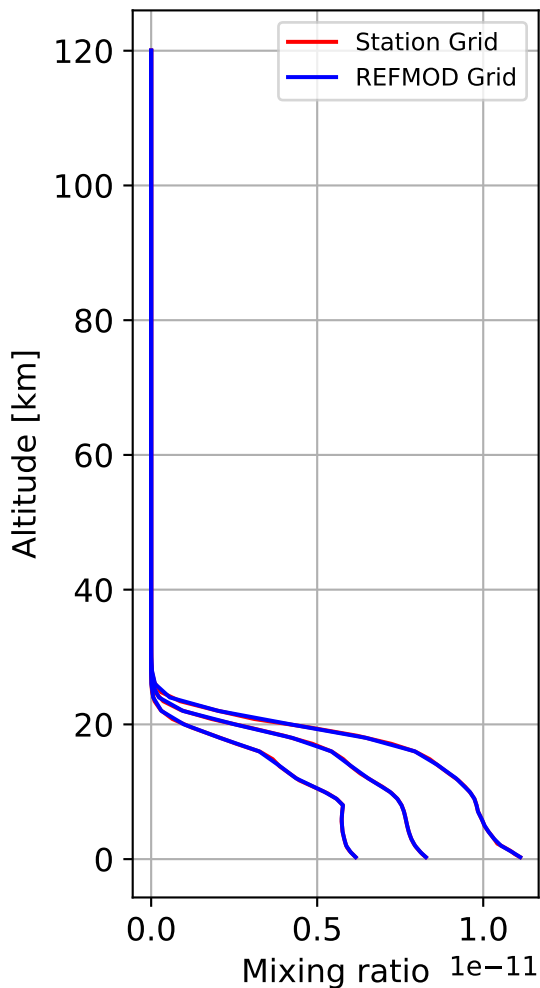
Time Series of vertical profiles (site altitude - 40 km)



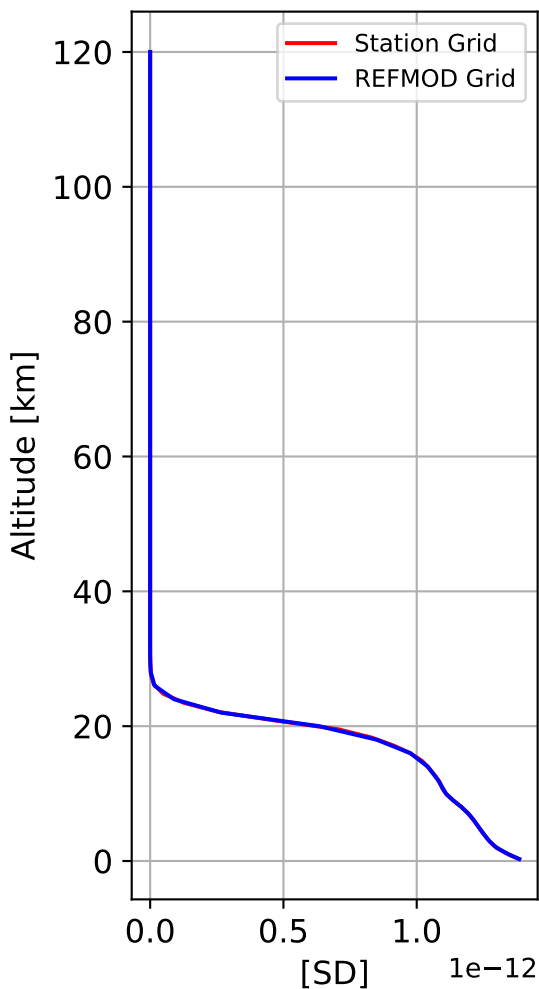
Monthly mean WACCM profile (interpolated to station grid) Timmins, 48.57N, 278.62E, 0.295kmasl



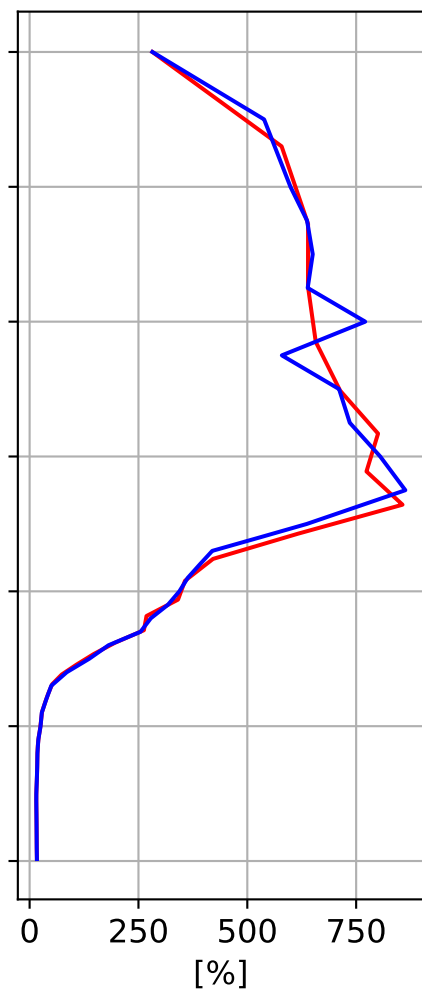
Min, Max, Mean of 732 profiles
Timmins, 48.57N, 278.62E, 0.295kmasl



Std. Deviation



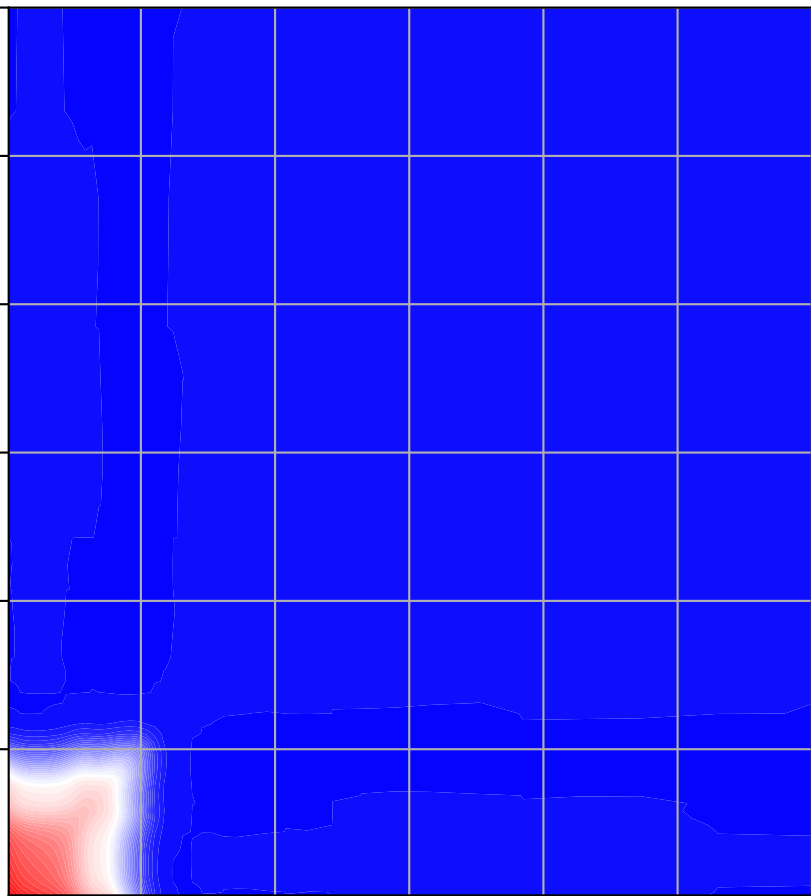
Percent Deviation



Level covariance matrix

1e-24

Altitude [km]

120
100
80
60
40
20

Altitude [km]

Mixing ratio²1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0