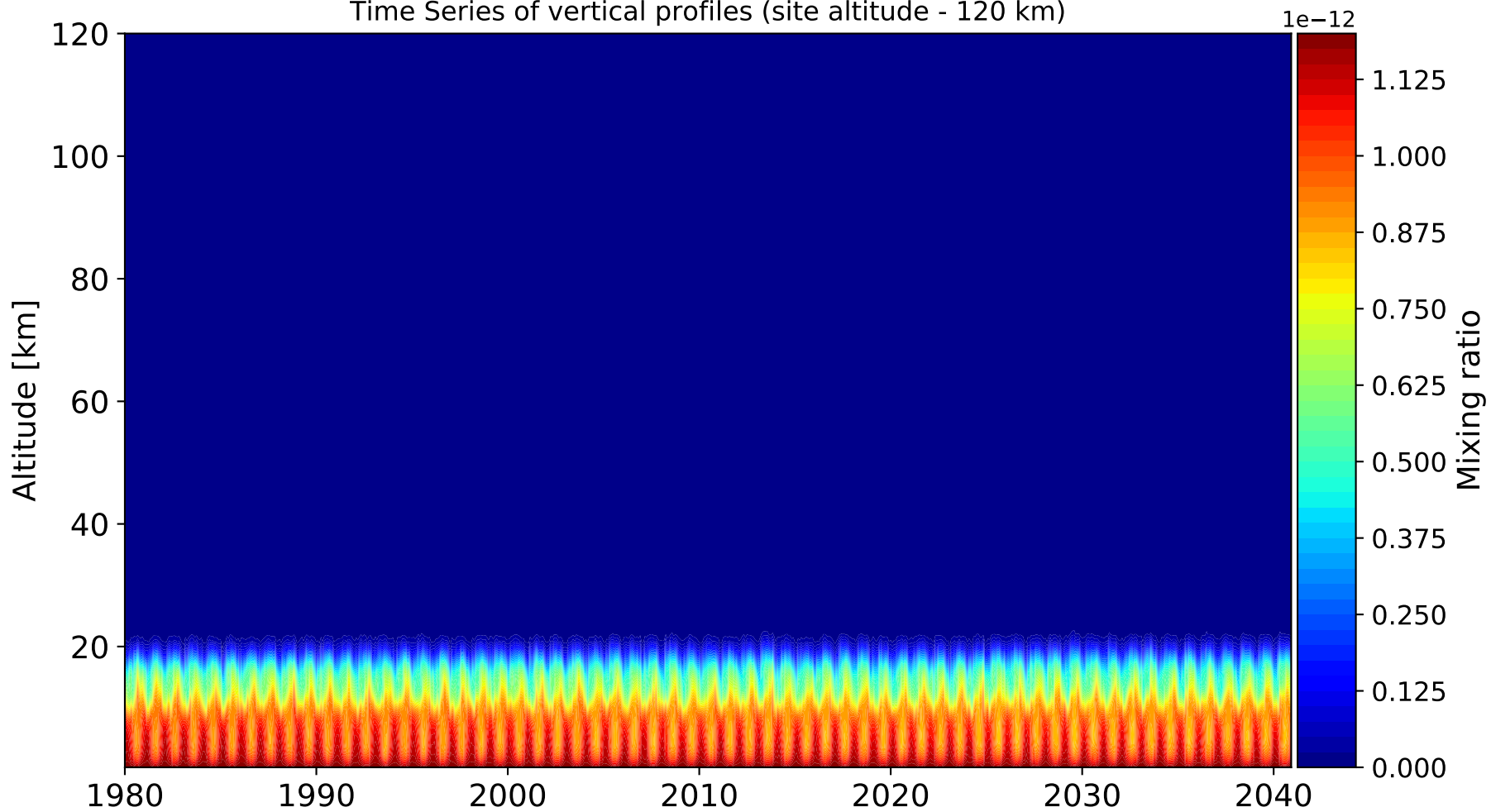
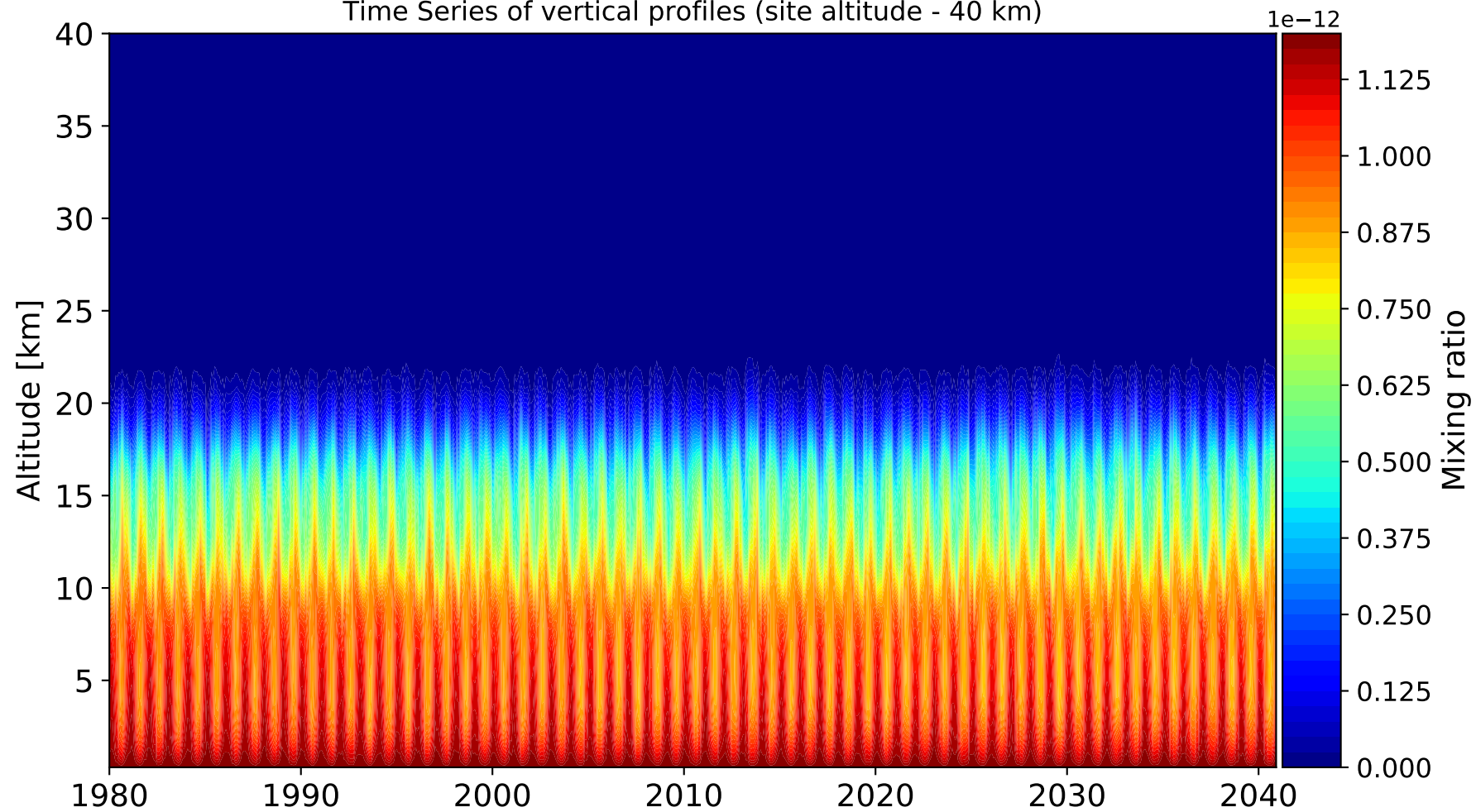


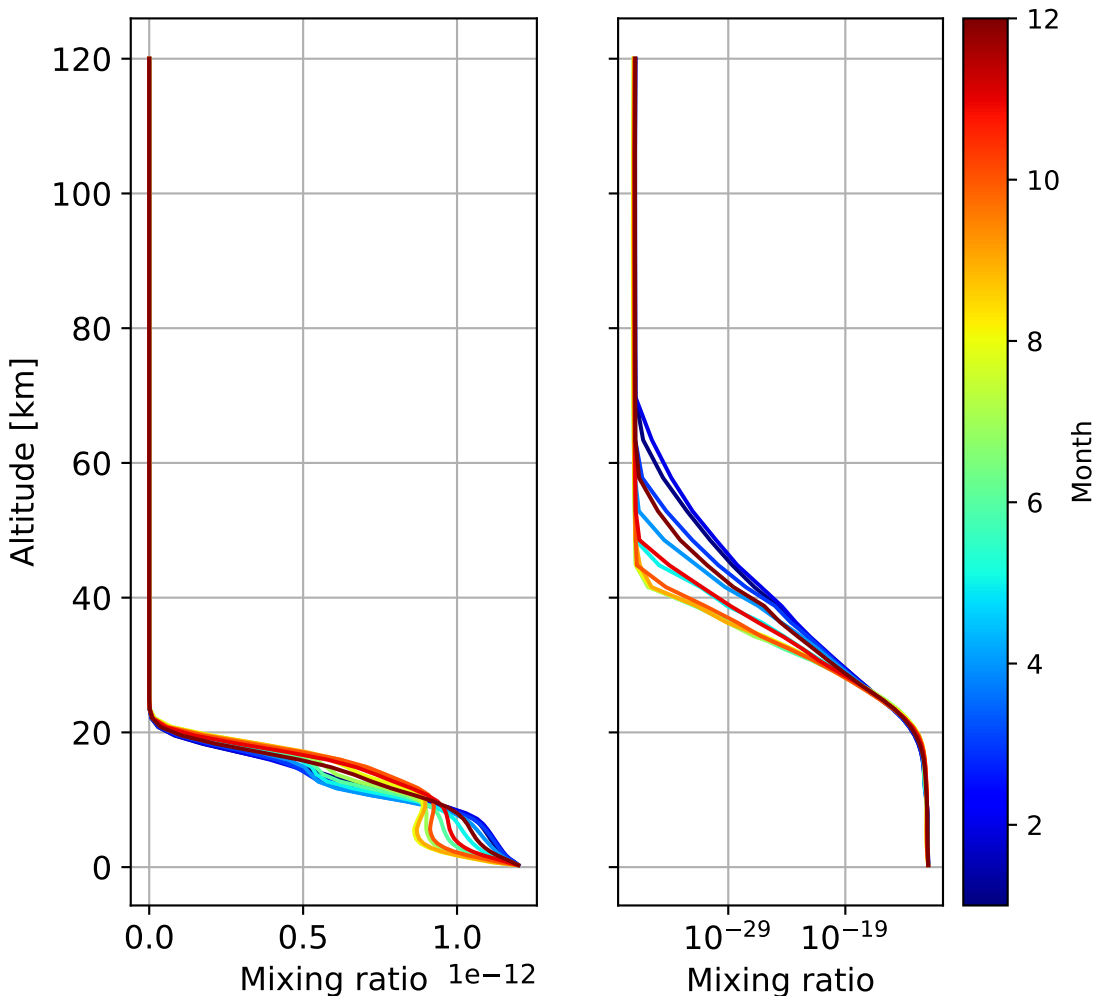
Time Series of vertical profiles (site altitude - 120 km)



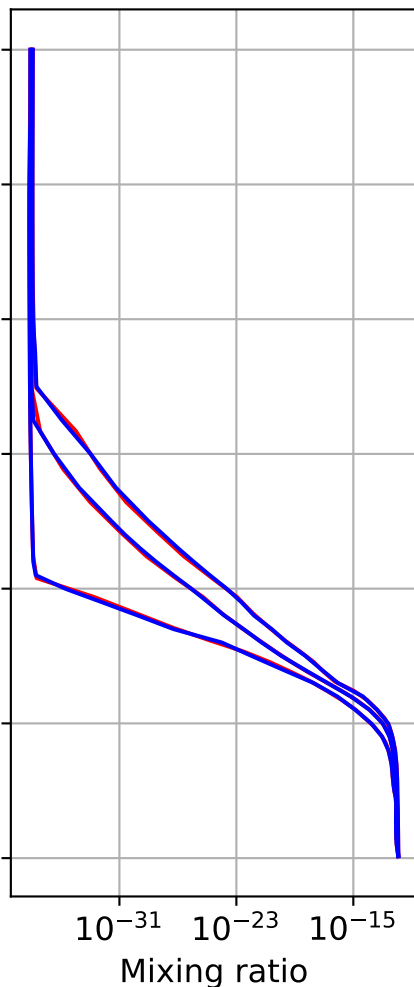
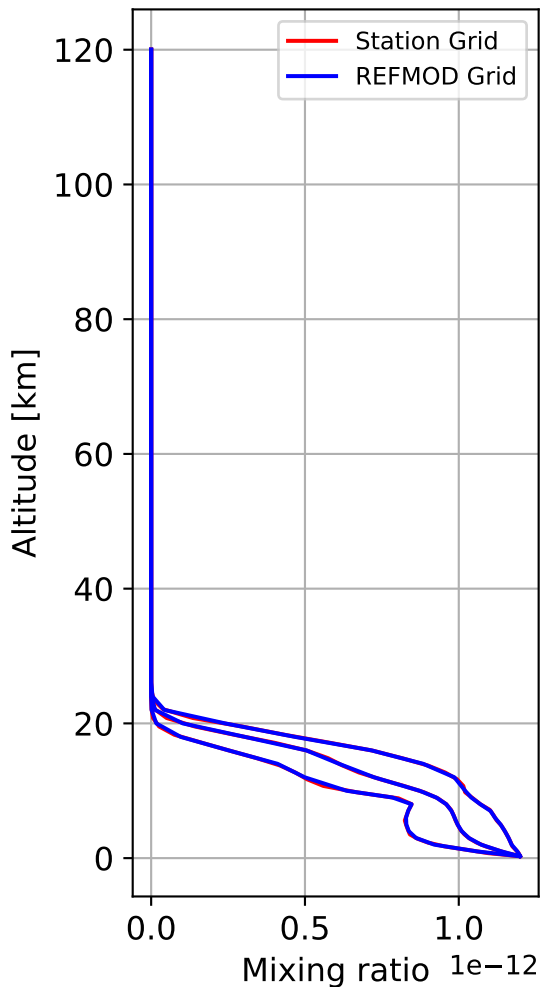
Time Series of vertical profiles (site altitude - 40 km)



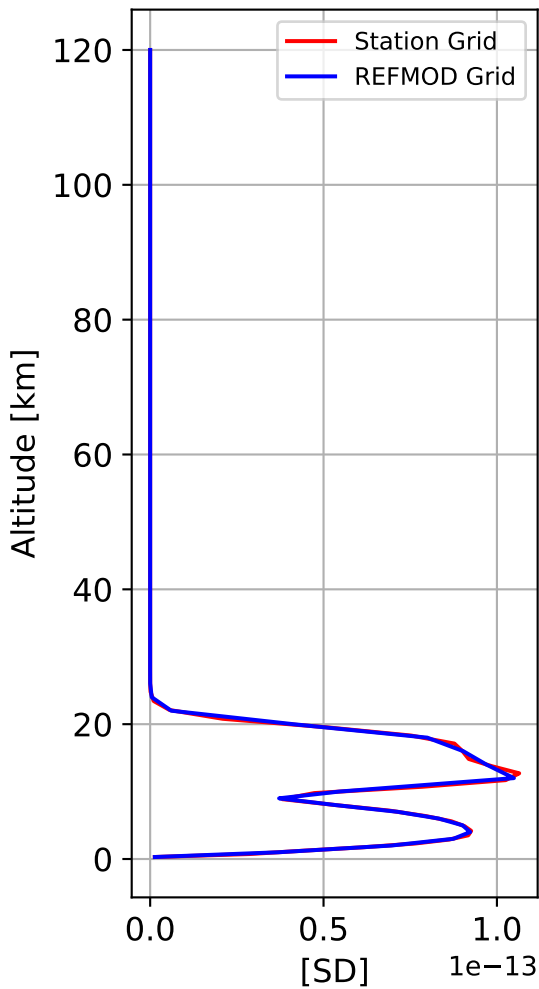
Monthly mean WACCM profile (interpolated to station grid) Timmins, 48.57N, 278.62E, 0.295kmasl



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



Std. Deviation



Percent Deviation

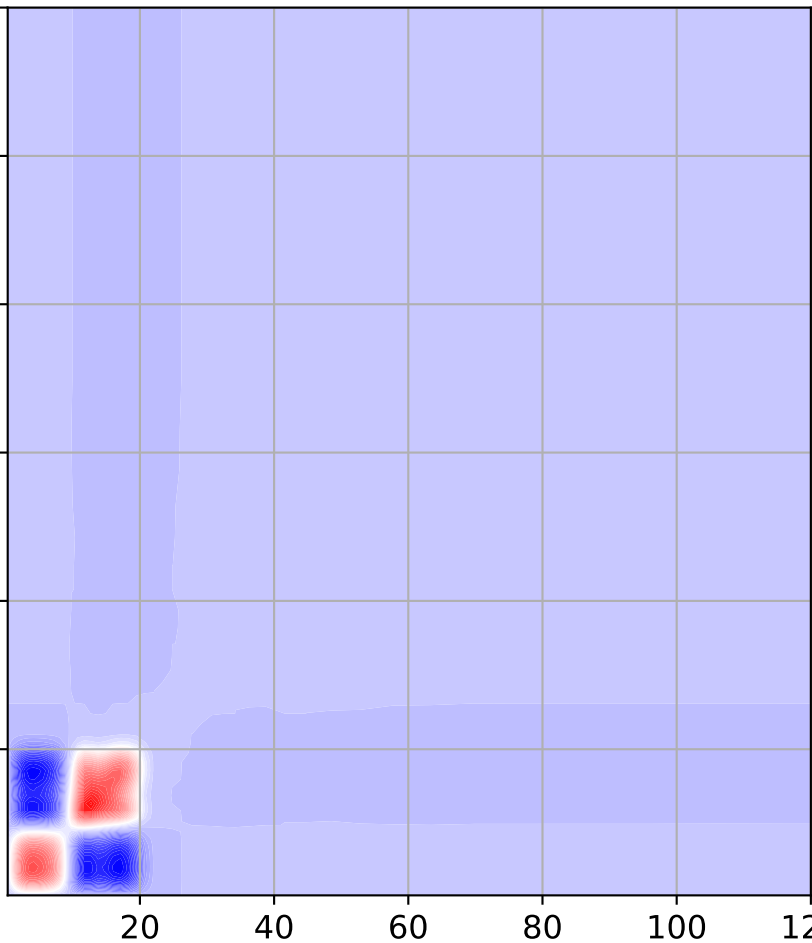


Level covariance matrix

1e-26

Altitude [km]

120
100
80
60
40
20



Altitude [km]

Mixing ratio[²]

1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6