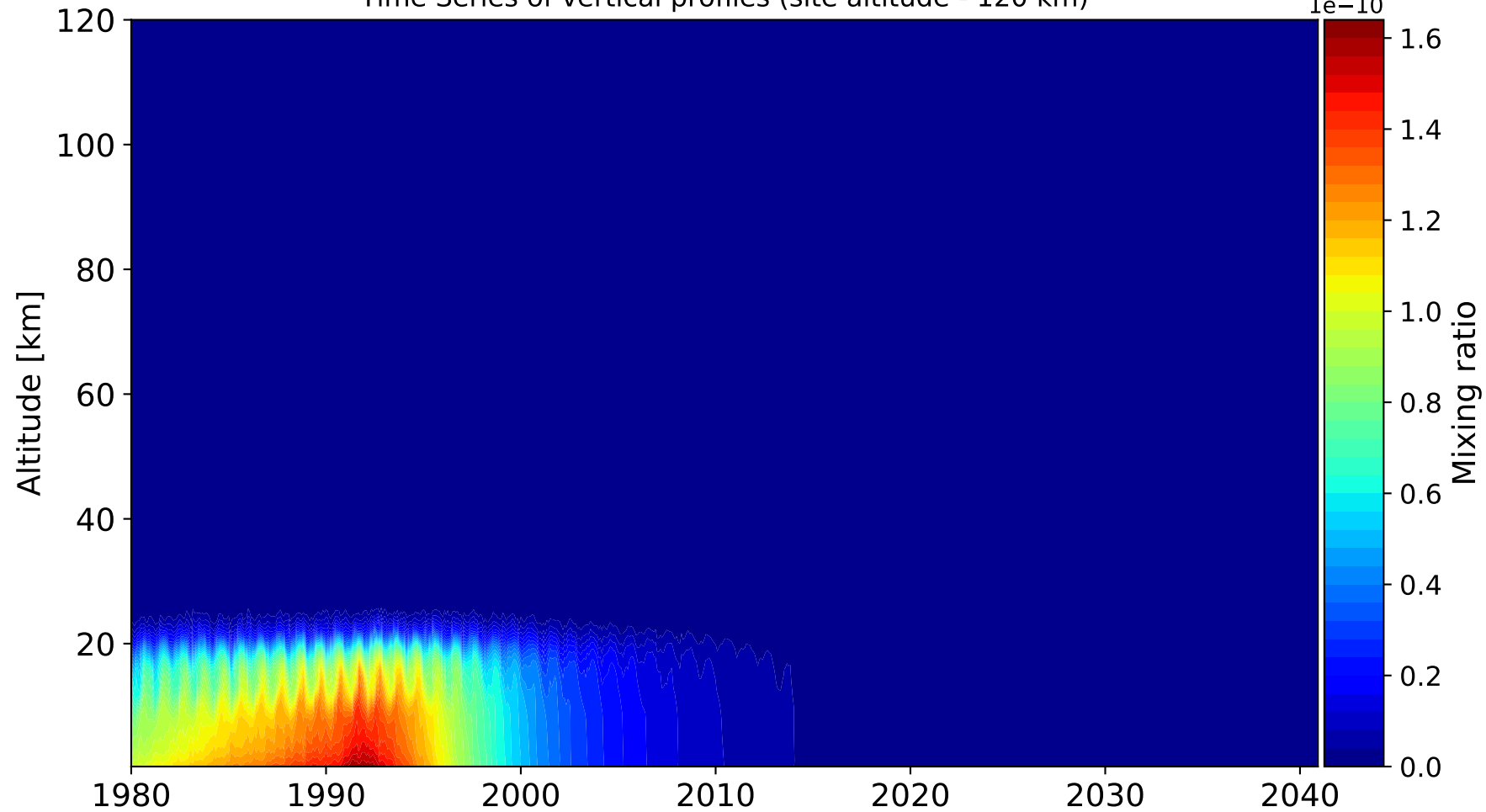
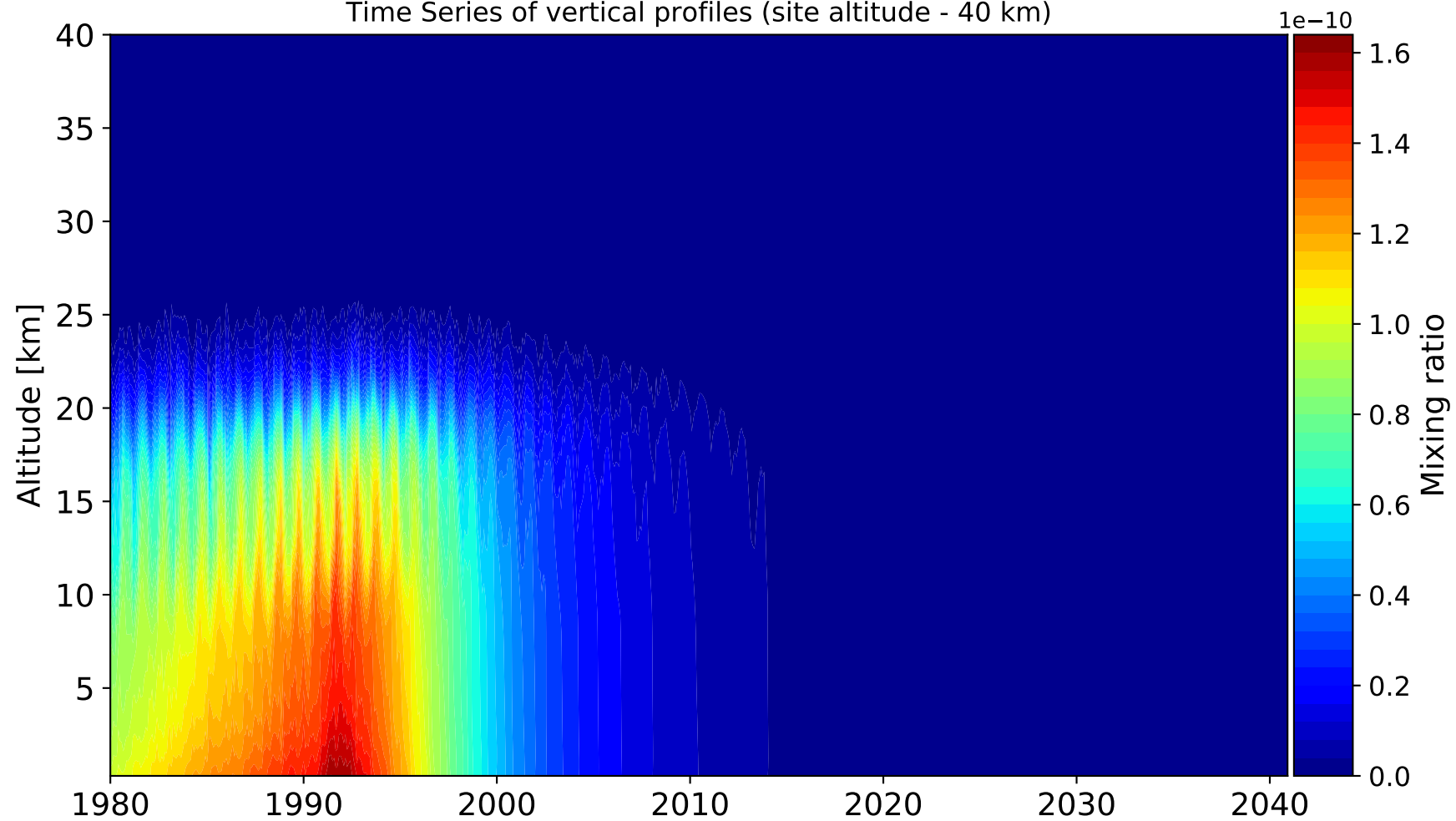


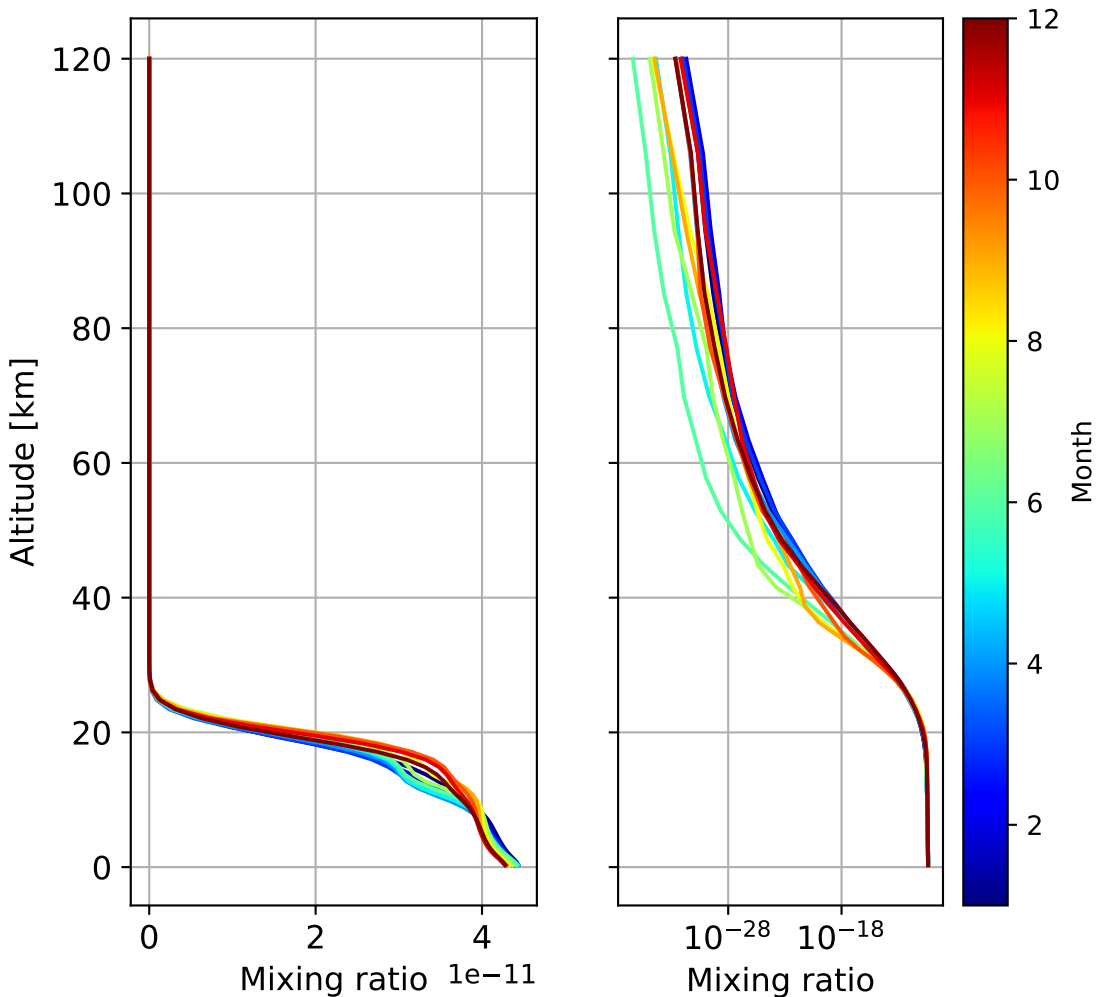
Time Series of vertical profiles (site altitude - 120 km)



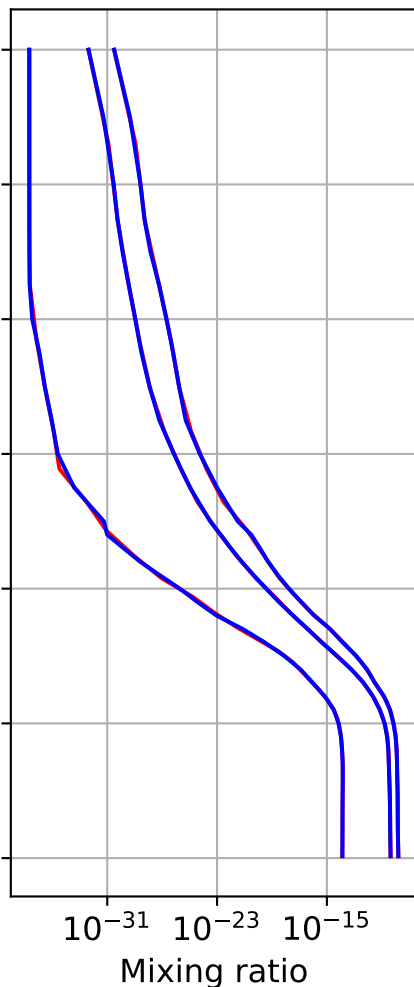
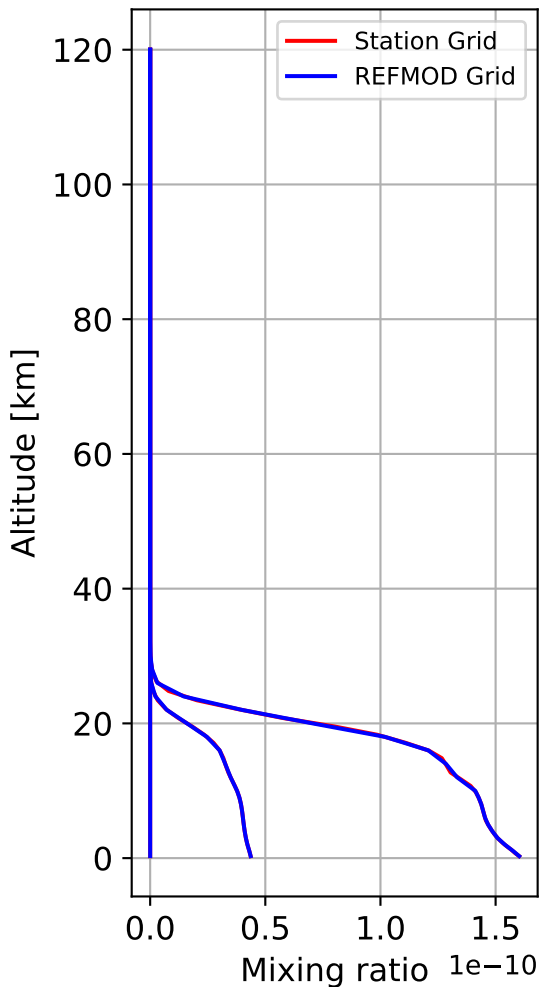
Time Series of vertical profiles (site altitude - 40 km)



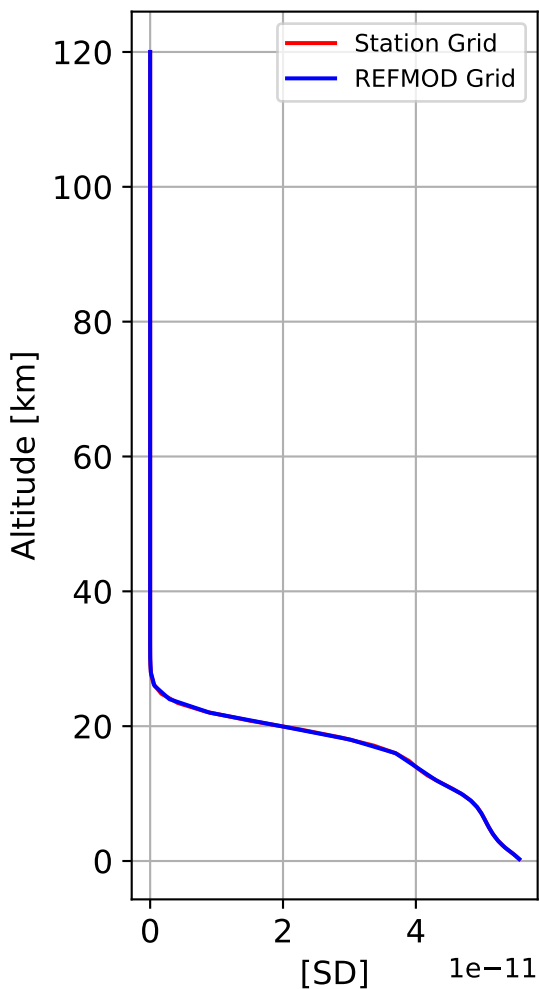
Monthly mean WACCM profile (interpolated to station grid) Timmins, 48.57N, 278.62E, 0.295kmasl



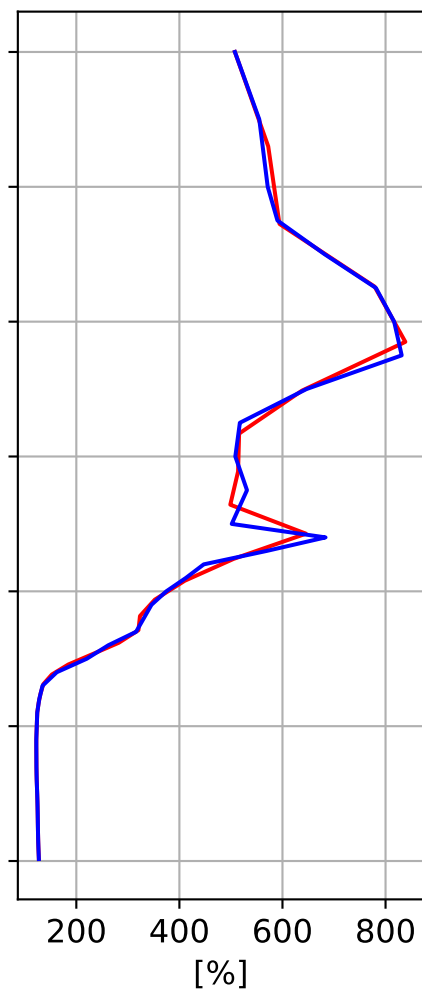
Min, Max, Mean of 732 profiles
Timmins, 48.57N, 278.62E, 0.295kmasl



Std. Deviation



Percent Deviation

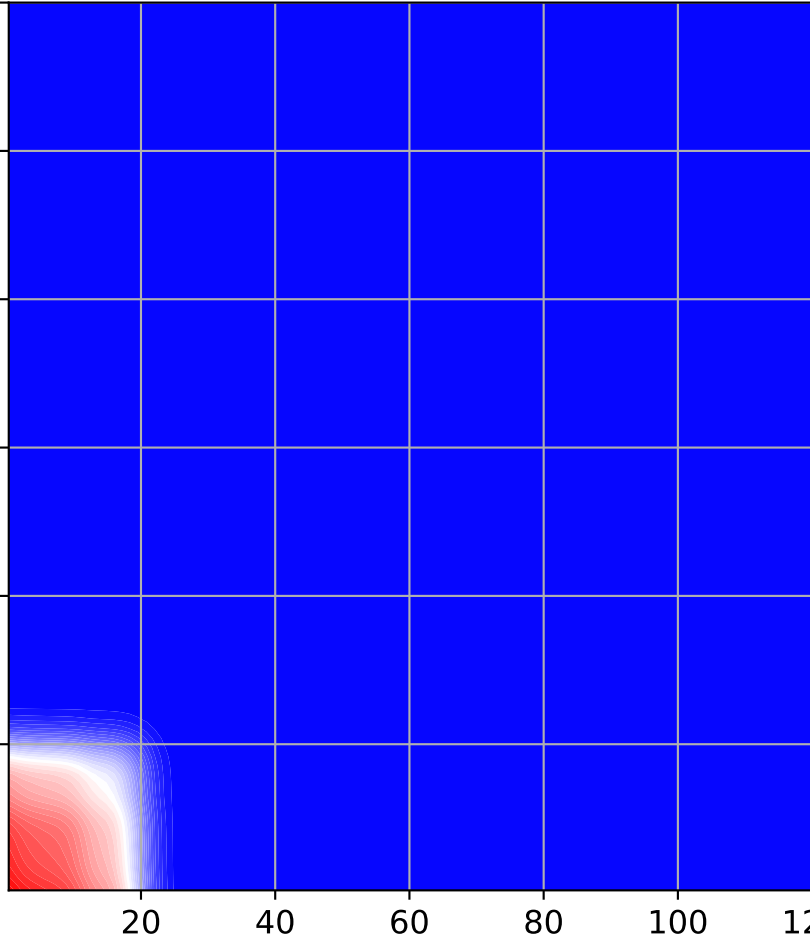


Level covariance matrix

$1e-21$

Altitude [km]

120
100
80
60
40
20



2.88
2.56
2.24
1.92
1.60
1.28
0.96
0.64
0.32
0.00

Altitude [km]

Mixing ratio[~ 2]