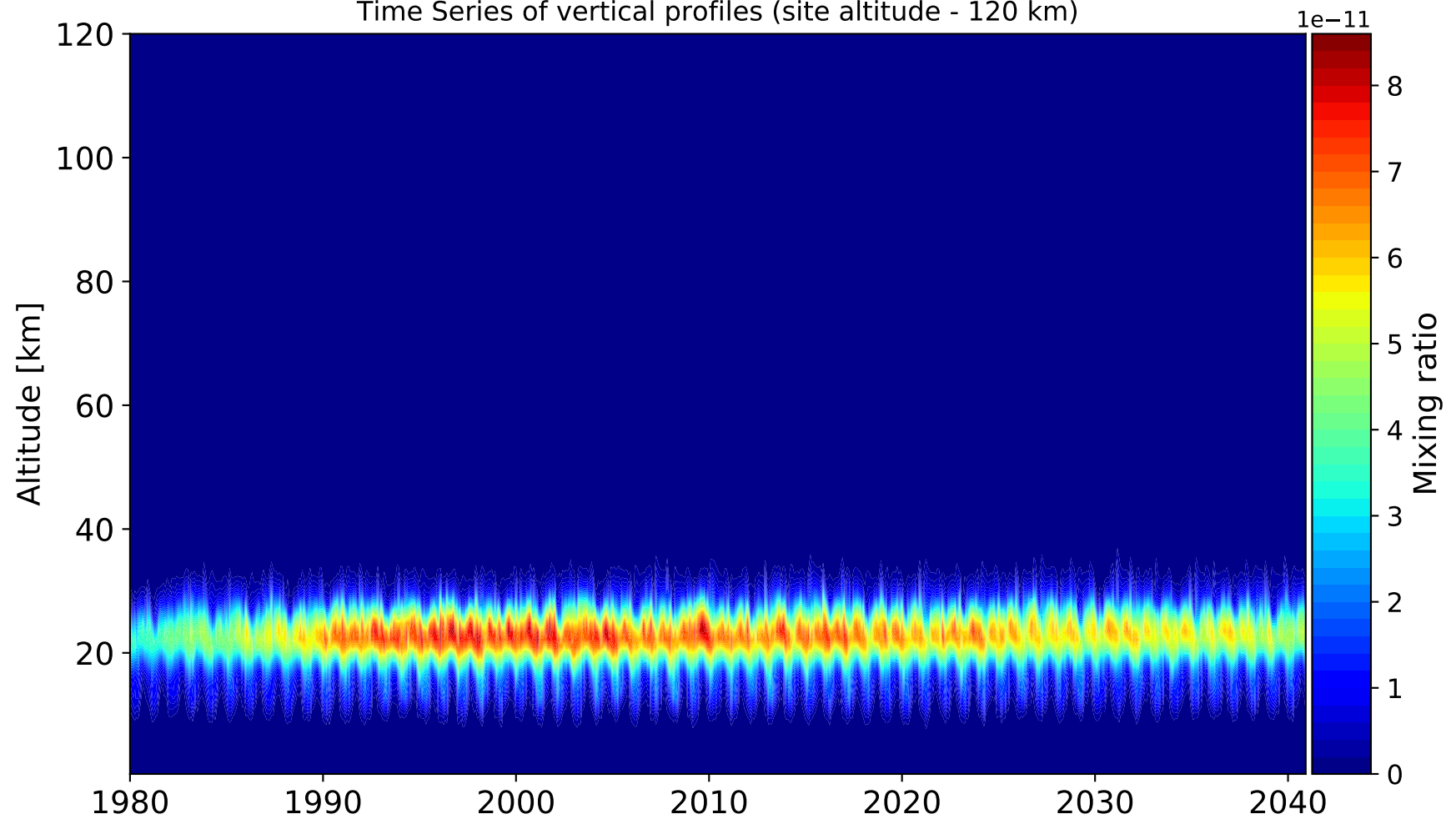
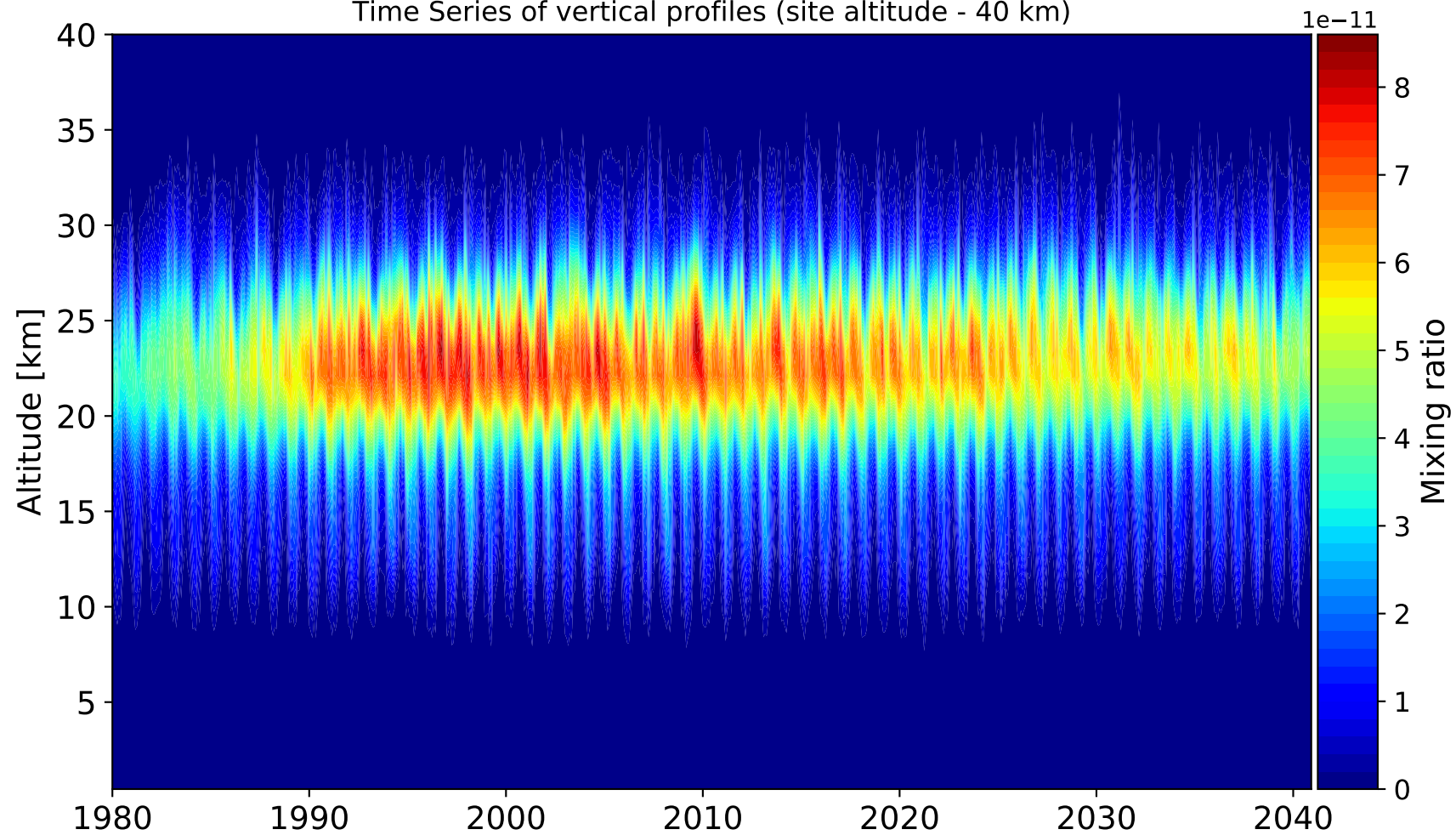


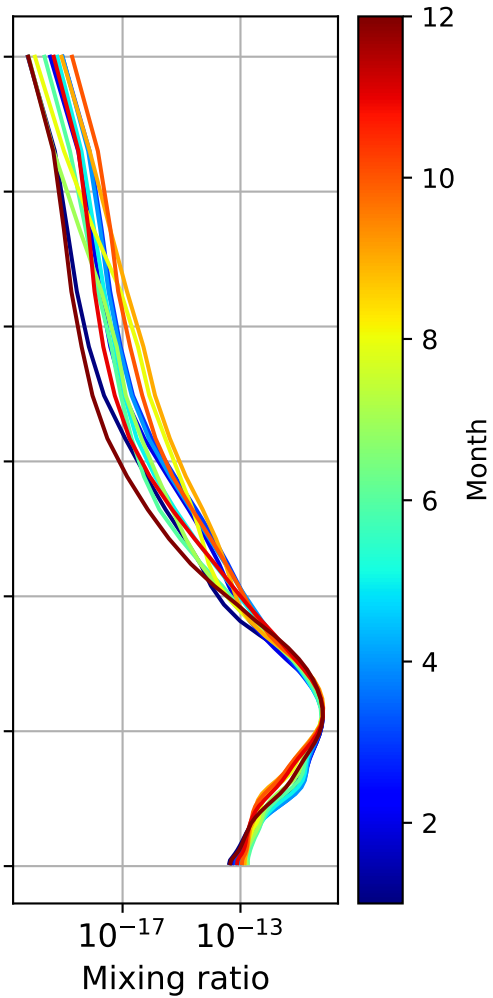
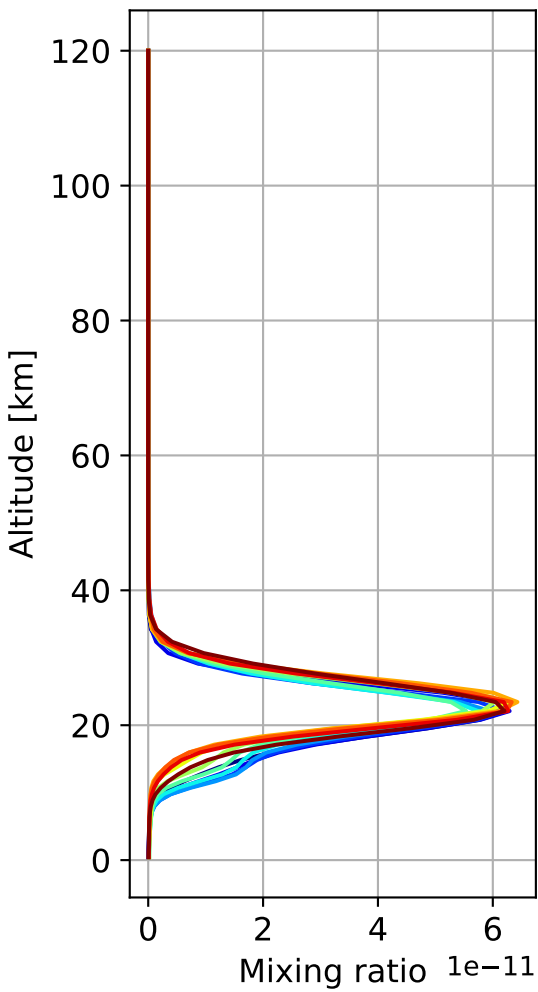
Time Series of vertical profiles (site altitude - 120 km)



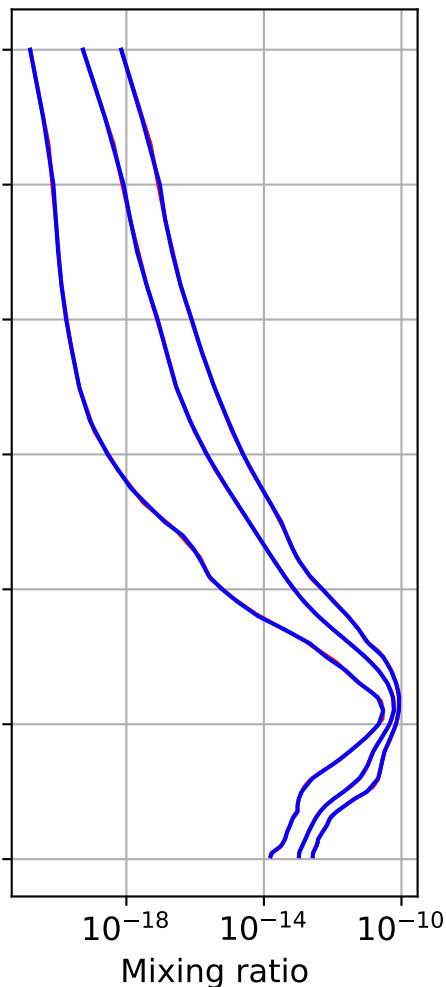
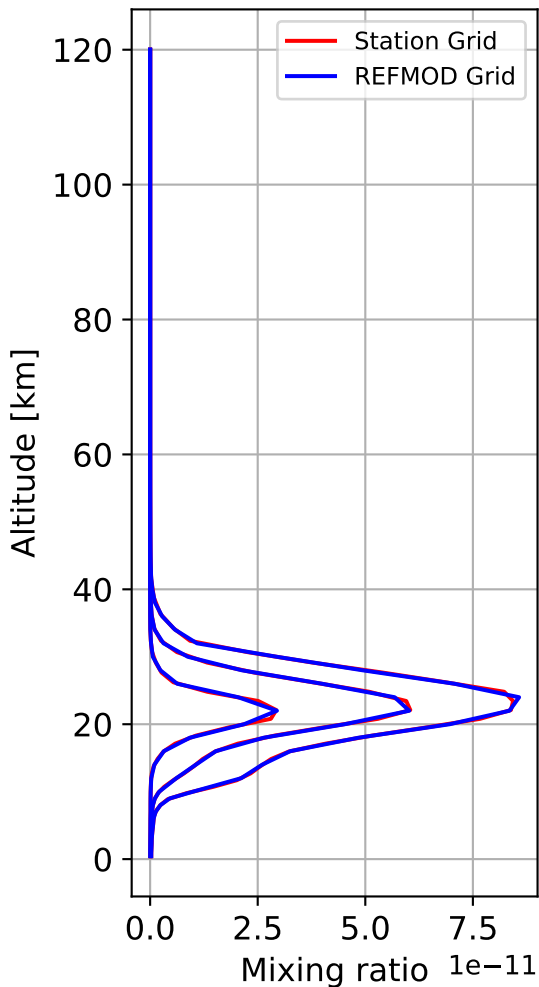
Time Series of vertical profiles (site altitude - 40 km)



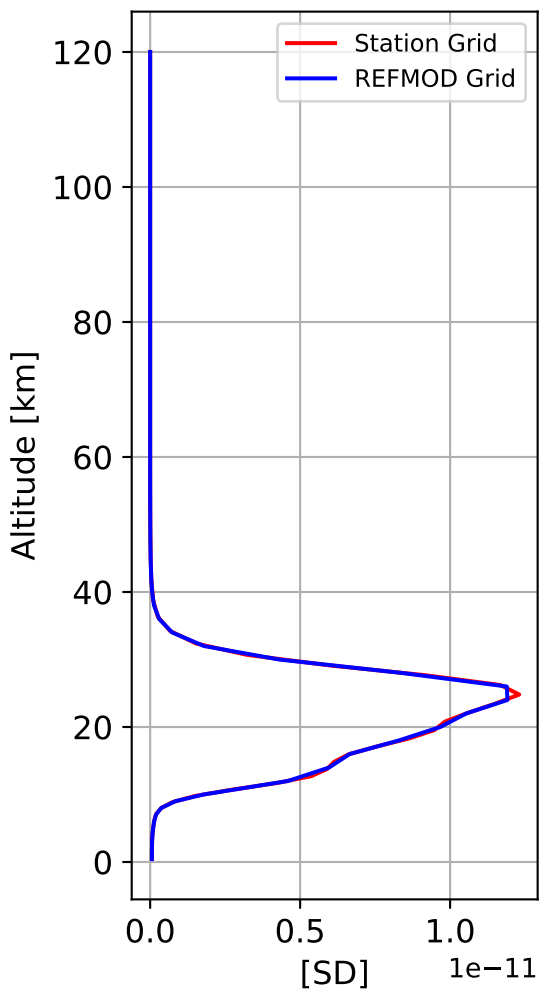
Monthly mean WACCM profile (interpolated to station grid) Park_Falls, 45.945N, 269.727E, 0.442kmasl



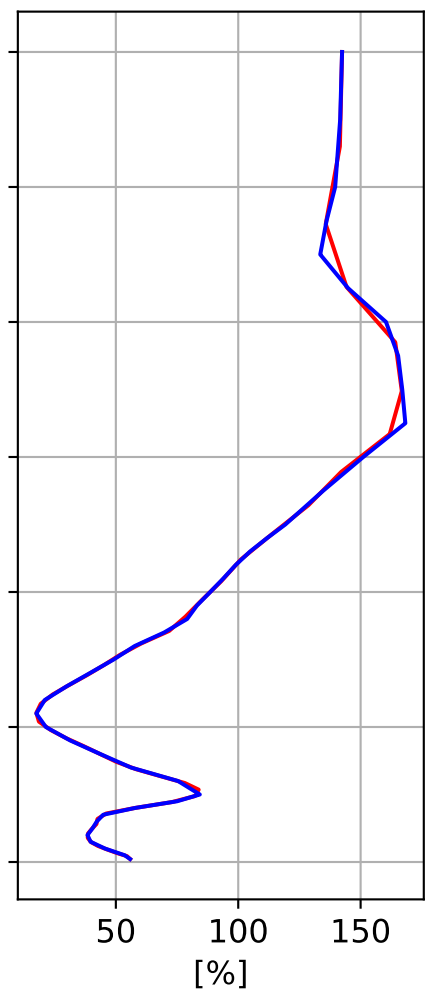
Min, Max, Mean of 732 profiles
Park_Falls, 45.945N, 269.727E, 0.442kmasl



Std. Deviation



Percent Deviation

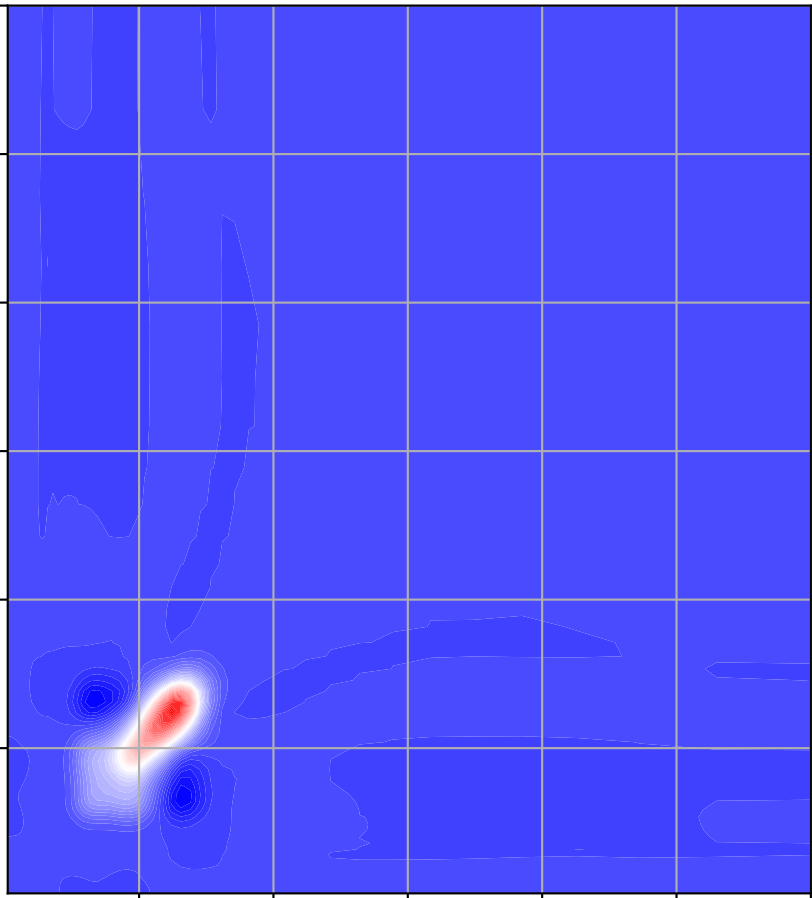


Level covariance matrix

1e-22

Altitude [km]

120
100
80
60
40
20



Mixing ratio[²]

1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2

20 40 60 80 100 120

Altitude [km]