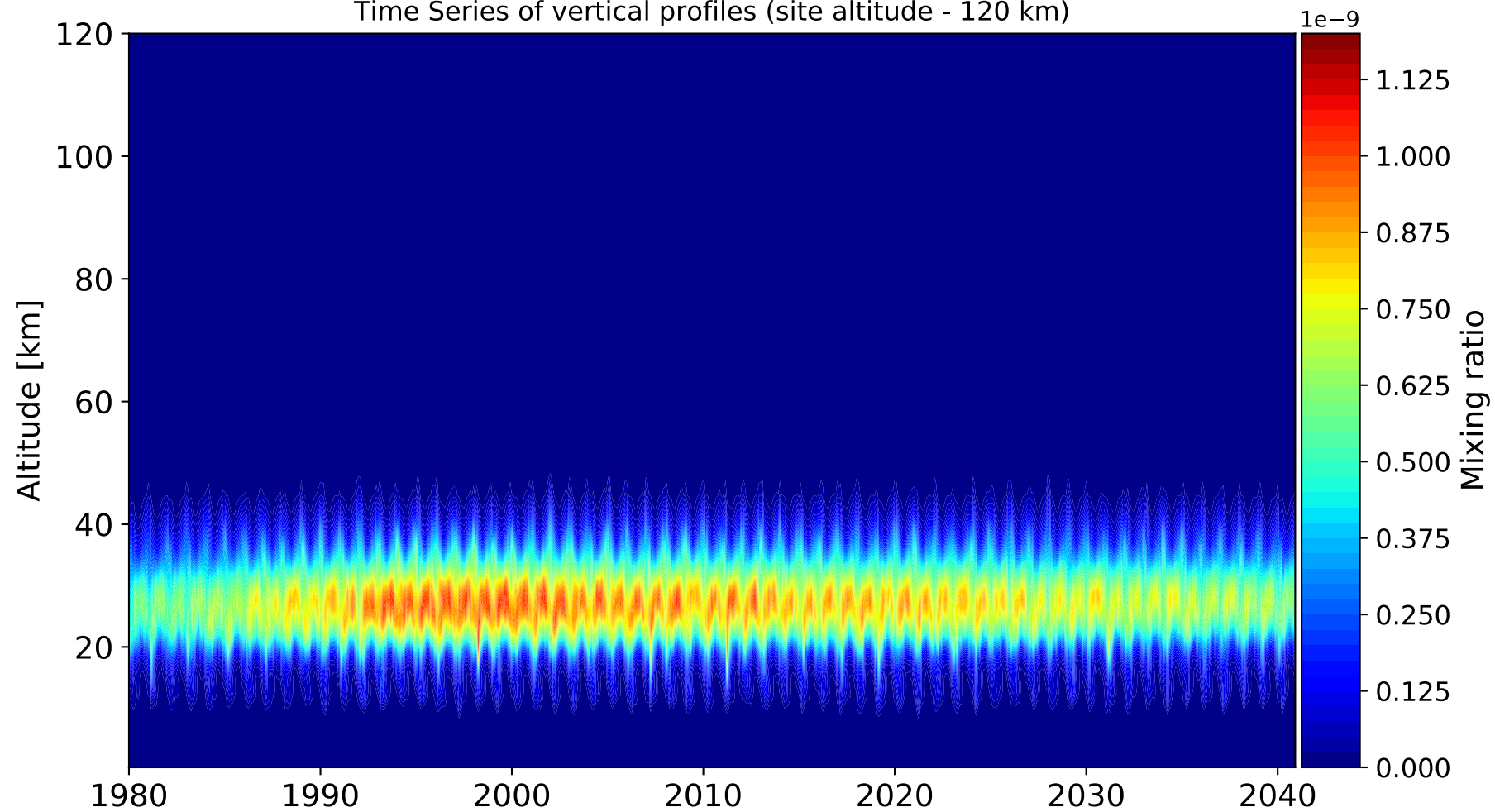
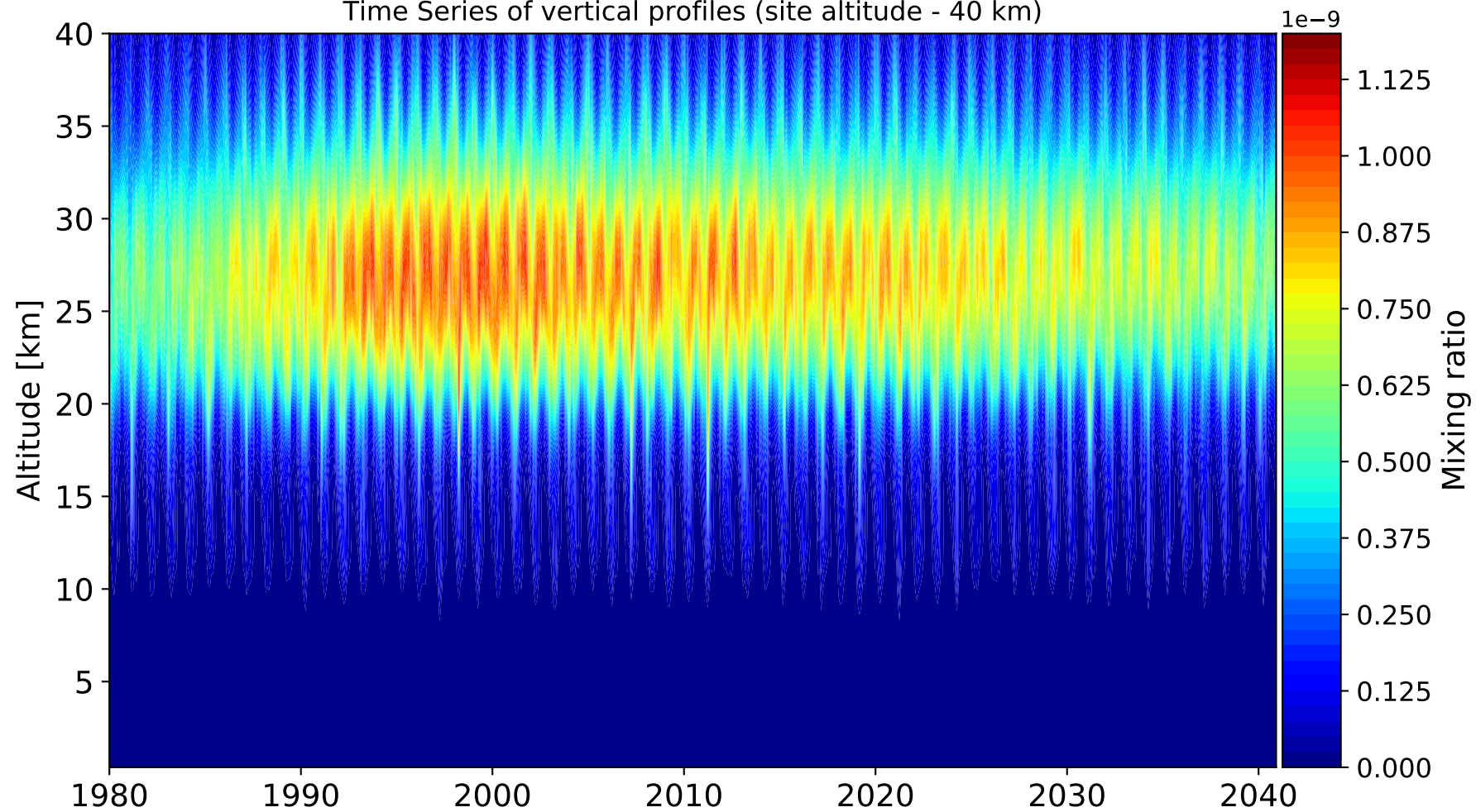


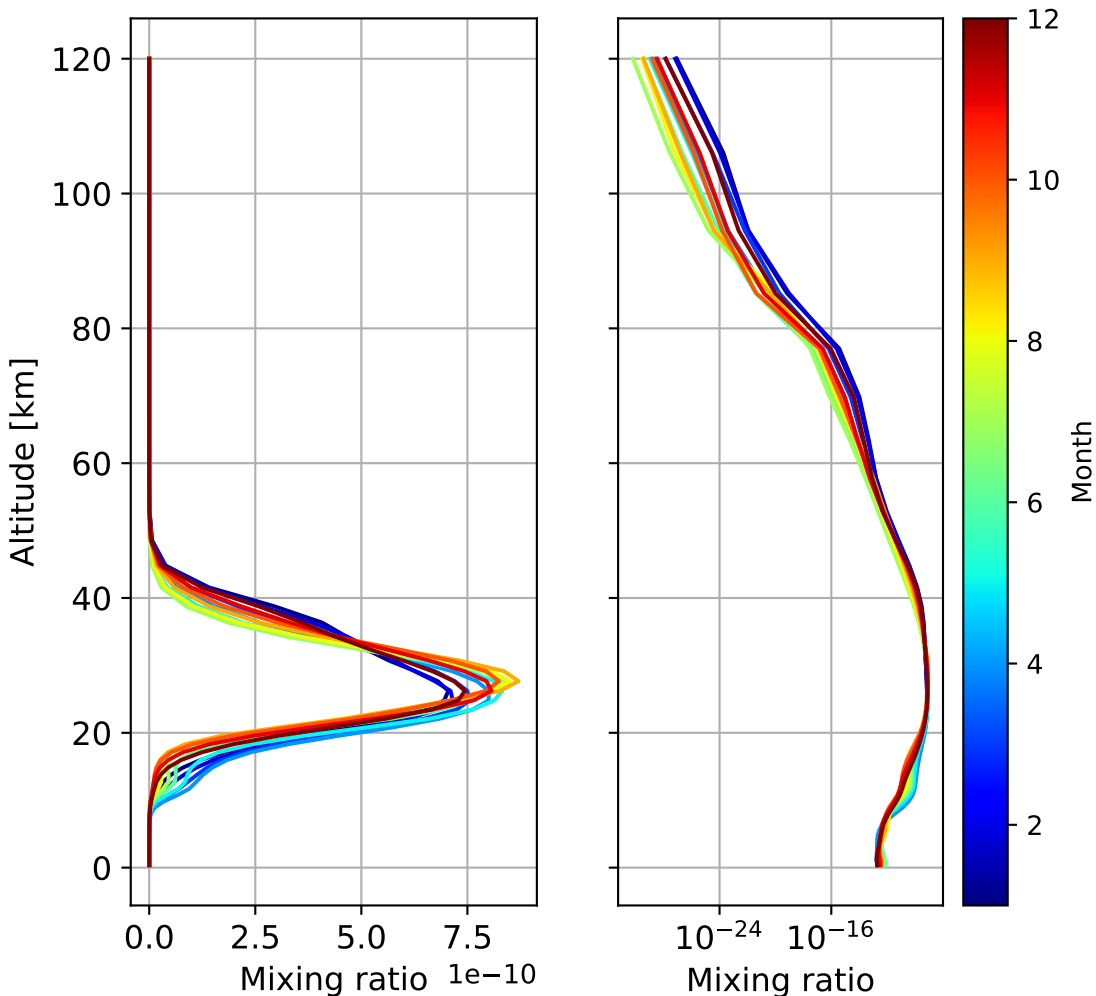
Time Series of vertical profiles (site altitude - 120 km)



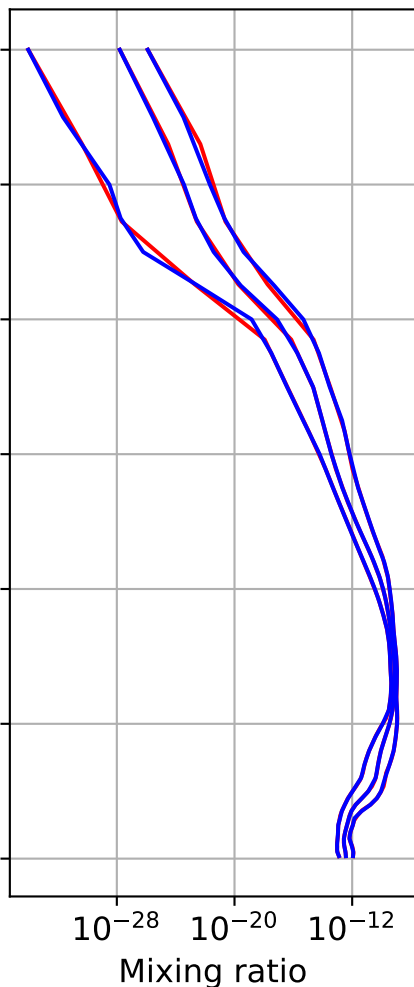
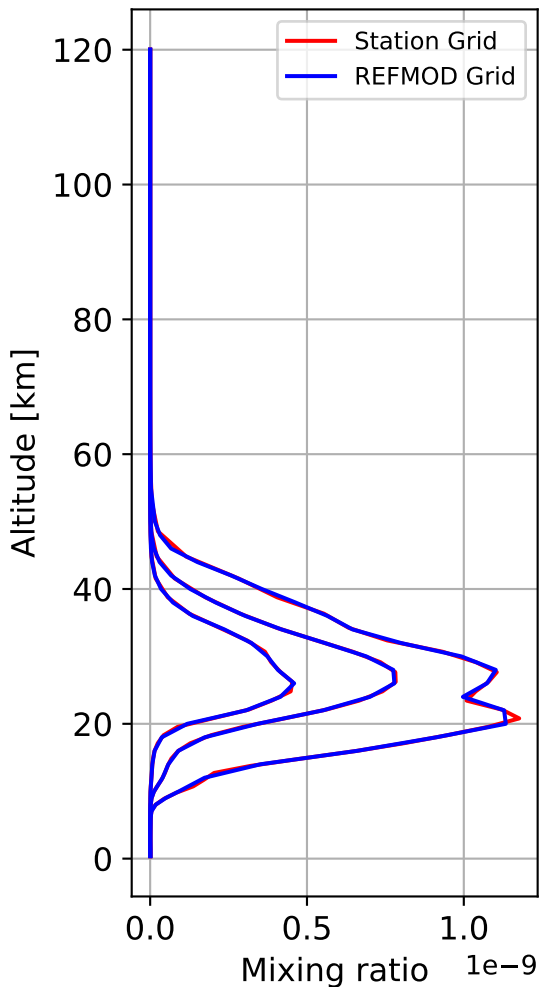
Time Series of vertical profiles (site altitude - 40 km)



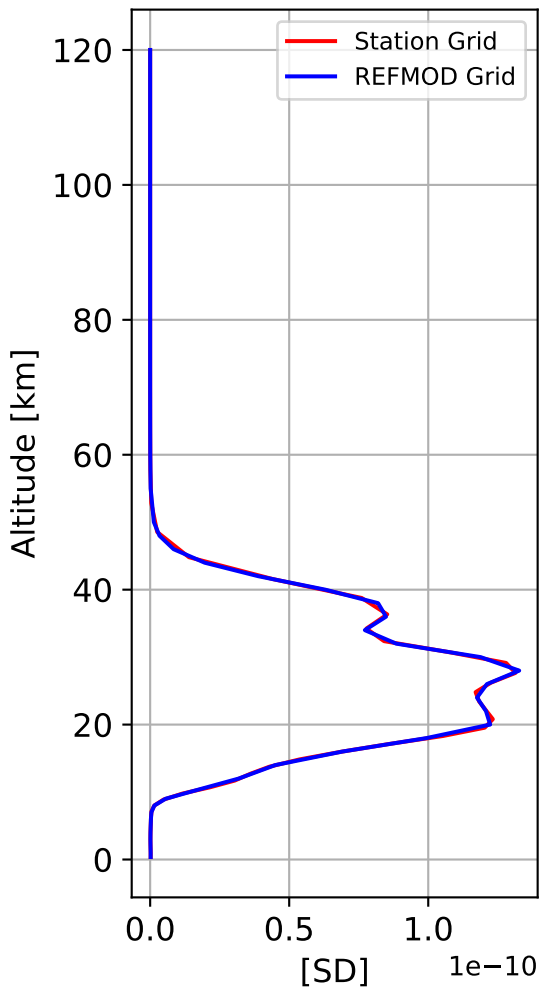
Monthly mean WACCM profile (interpolated to station grid)
Fort_McMurray, 56.65N, 248.78E, 0.369kmasl



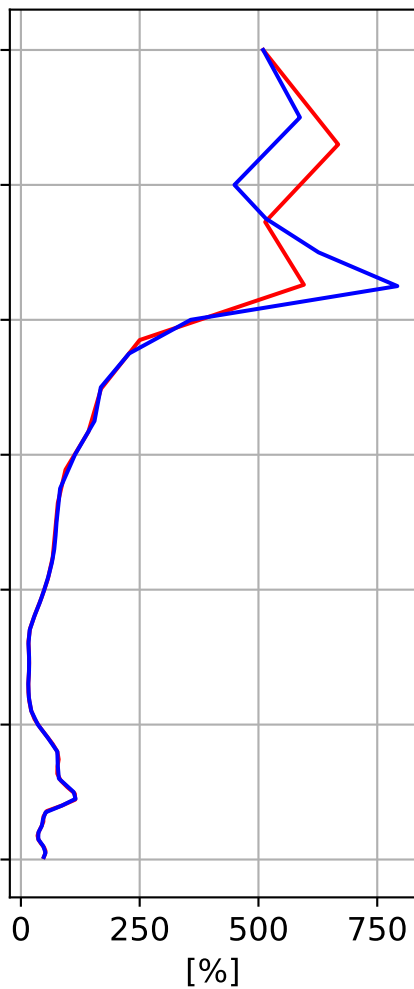
Min, Max, Mean of 732 profiles
Fort_McMurray, 56.65N, 248.78E, 0.369kmasl



Std. Deviation



Percent Deviation

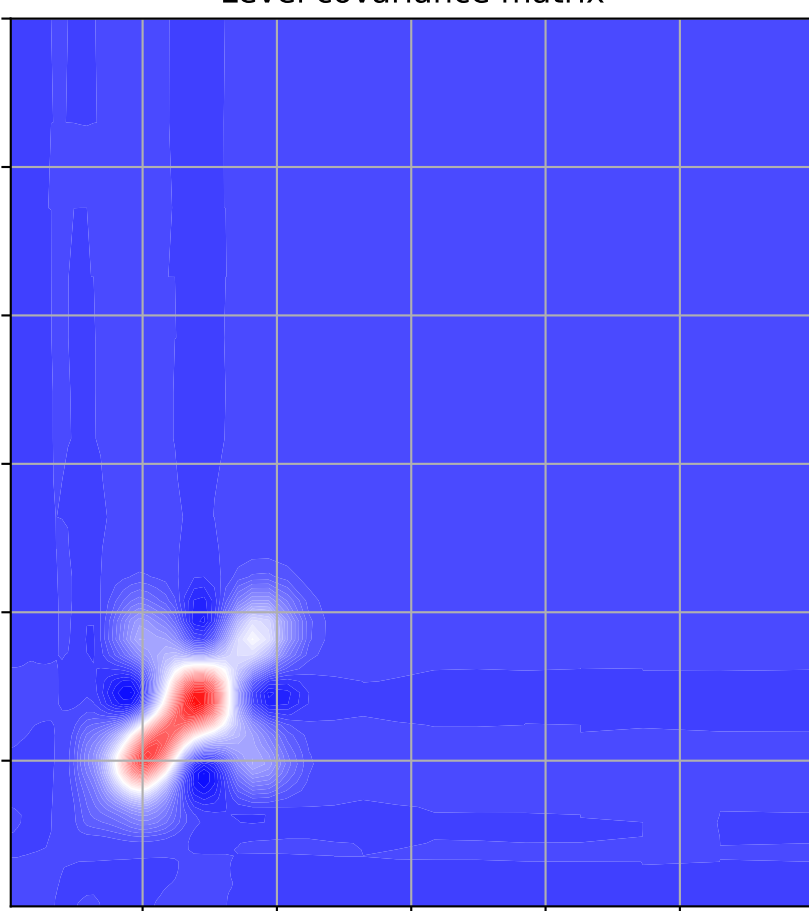


Level covariance matrix

1e-20

Altitude [km]

120
100
80
60
40
20



Mixing ratio[²]

1.68
1.44
1.20
0.96
0.72
0.48
0.24
0.00
-0.24

Altitude [km]

120

100

80

60

40

20