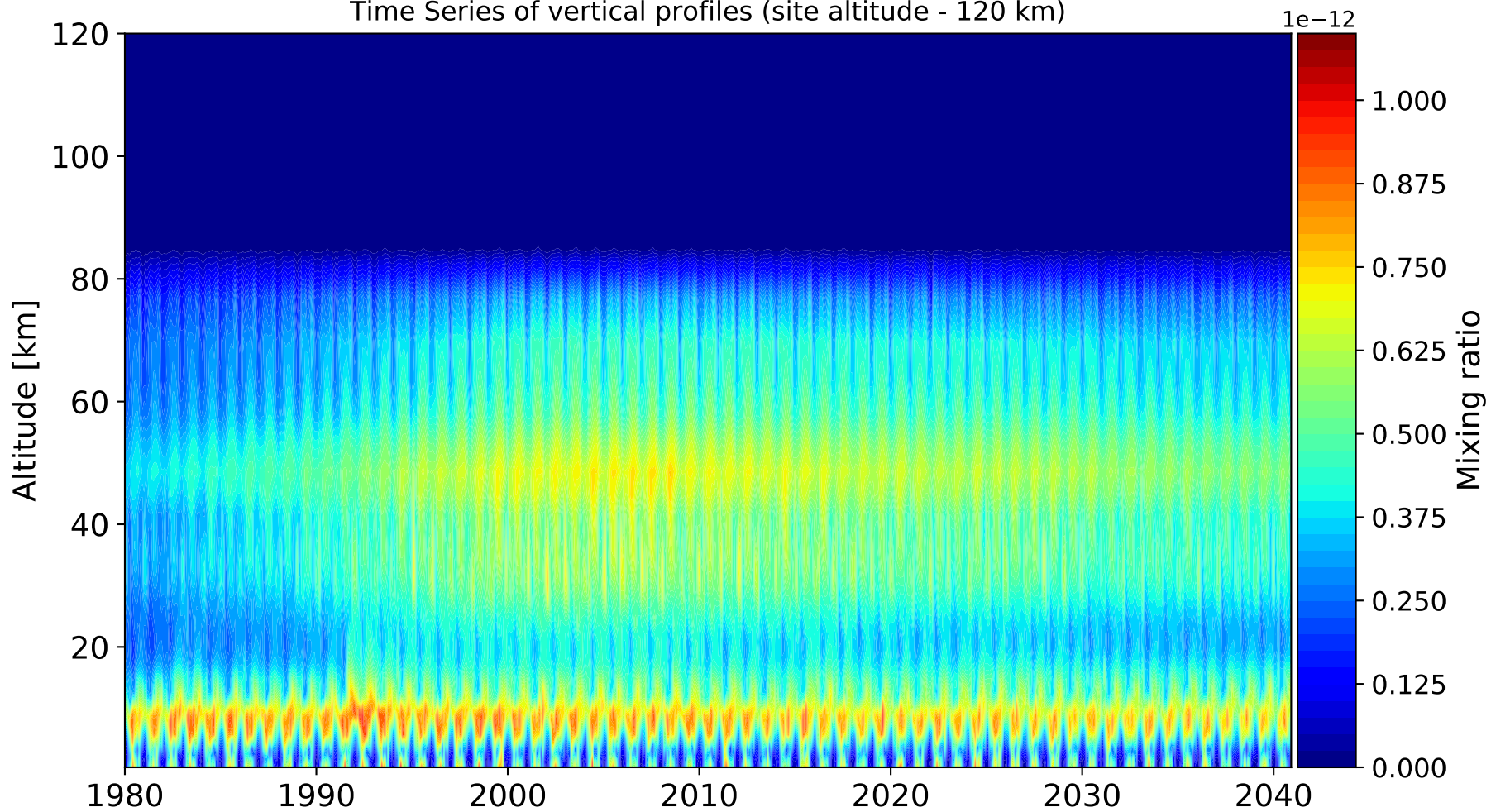
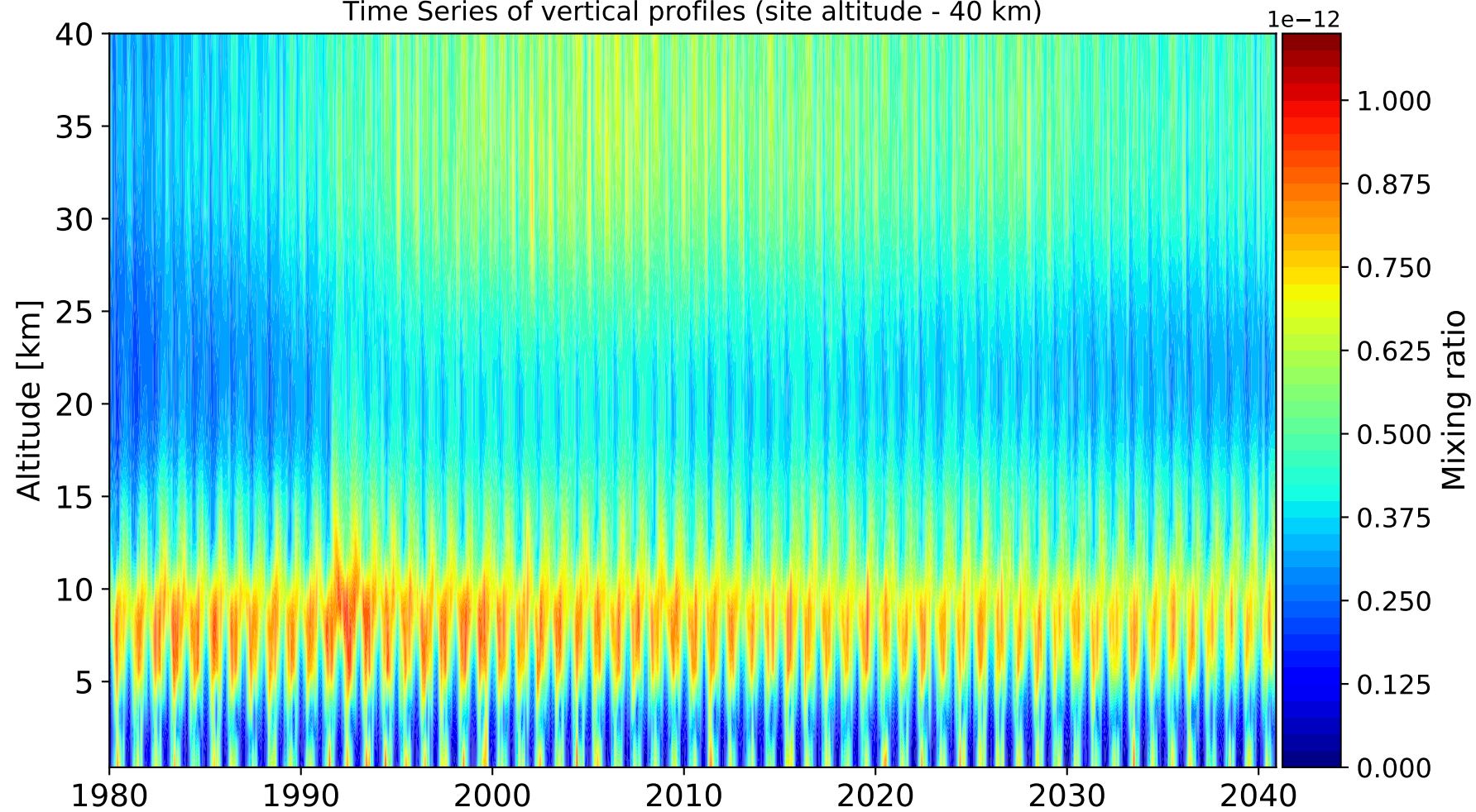


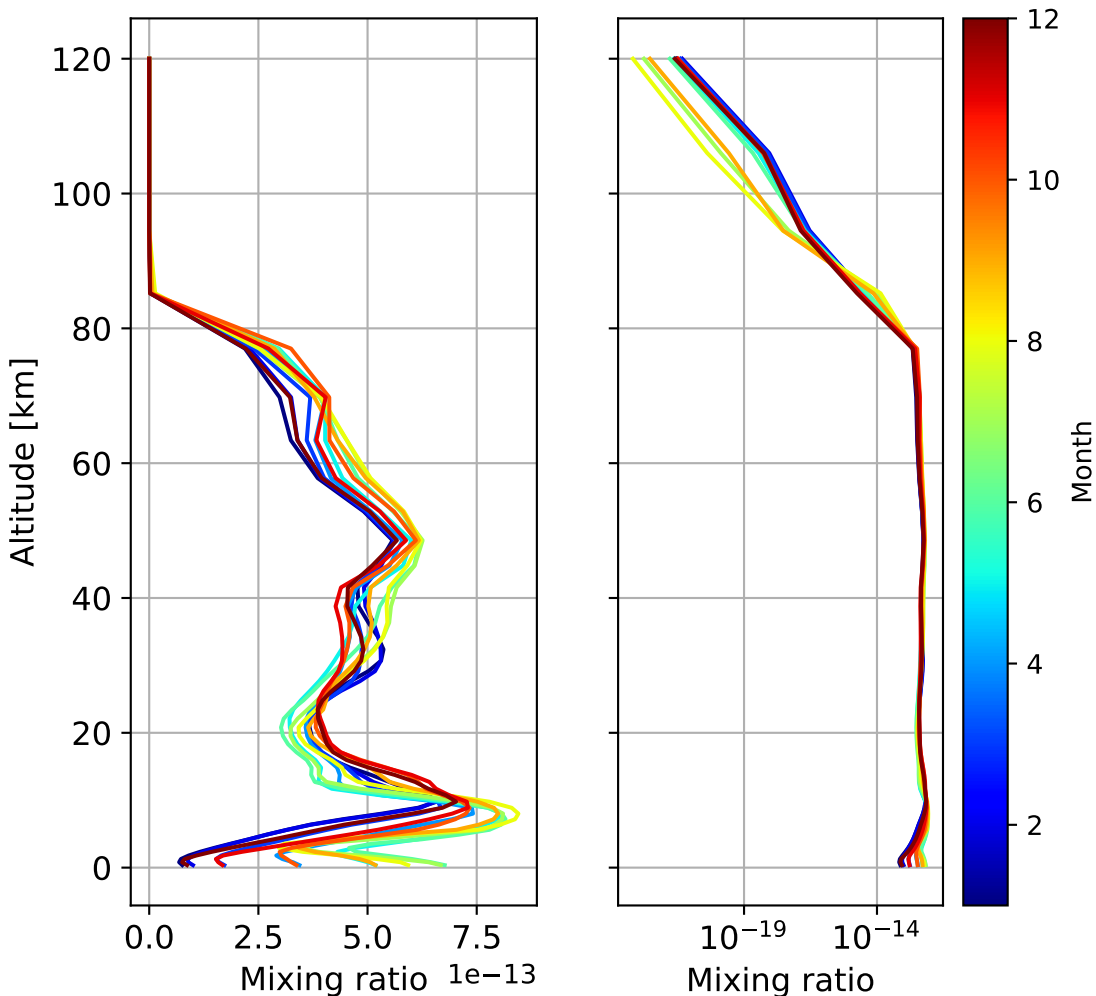
Time Series of vertical profiles (site altitude - 120 km)



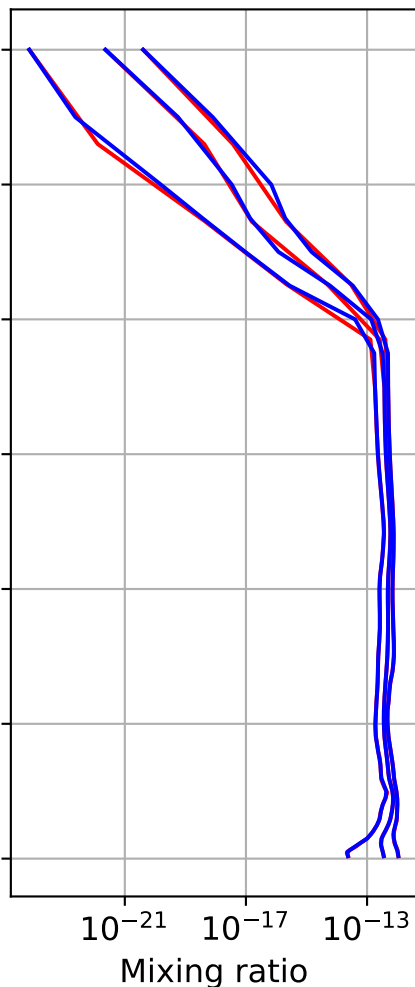
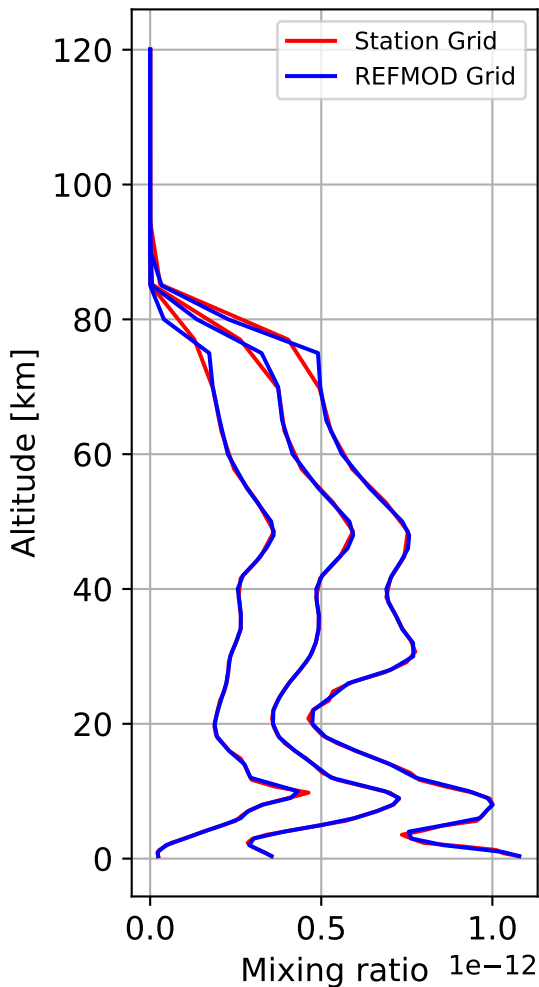
Time Series of vertical profiles (site altitude - 40 km)



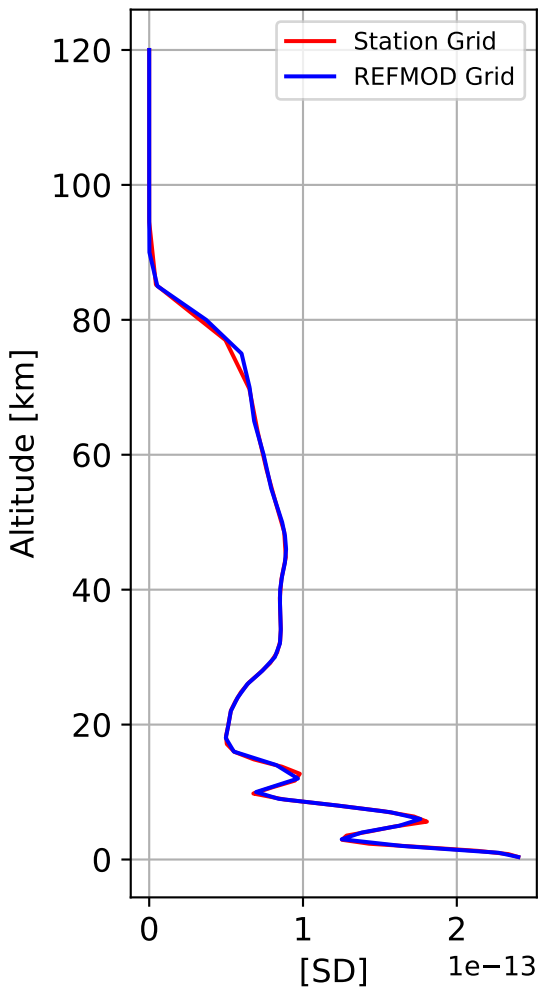
Monthly mean WACCM profile (interpolated to station grid) Fort_McMurray, 56.65N, 248.78E, 0.369kmasl



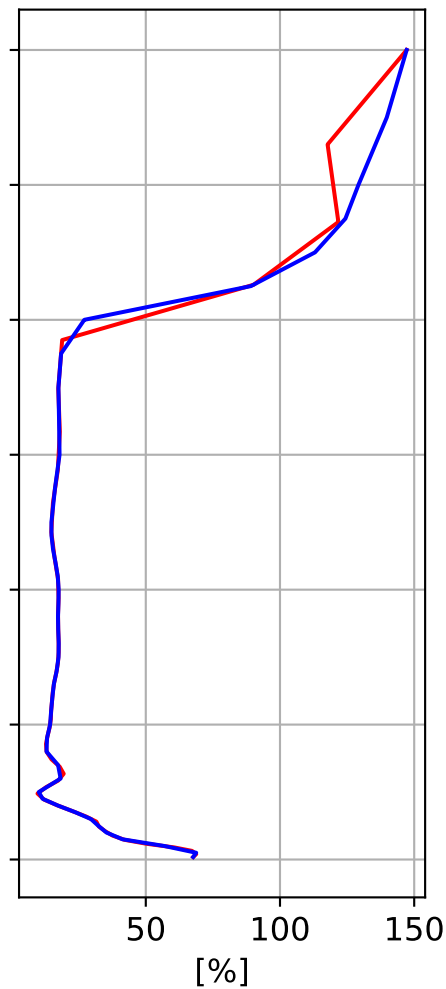
Min, Max, Mean of 732 profiles
Fort_McMurray, 56.65N, 248.78E, 0.369kmasl



Std. Deviation



Percent Deviation

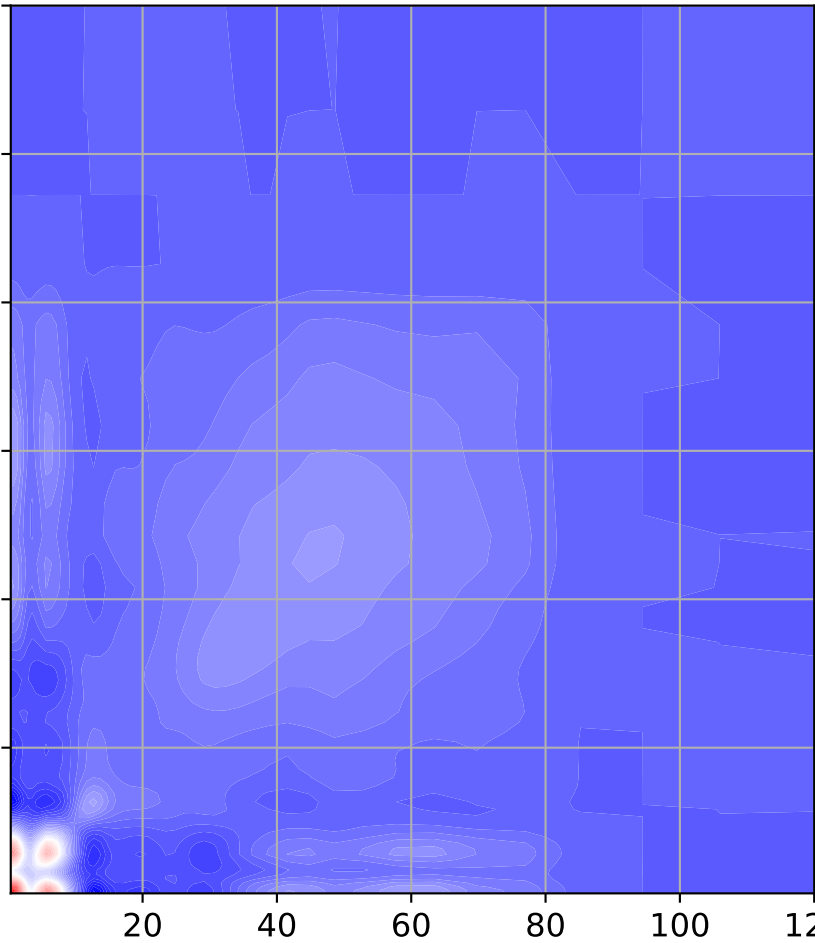


Level covariance matrix

$1e-26$

Altitude [km]

120
100
80
60
40
20



5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00
-0.75

Mixing ratio[~ 2]

Altitude [km]