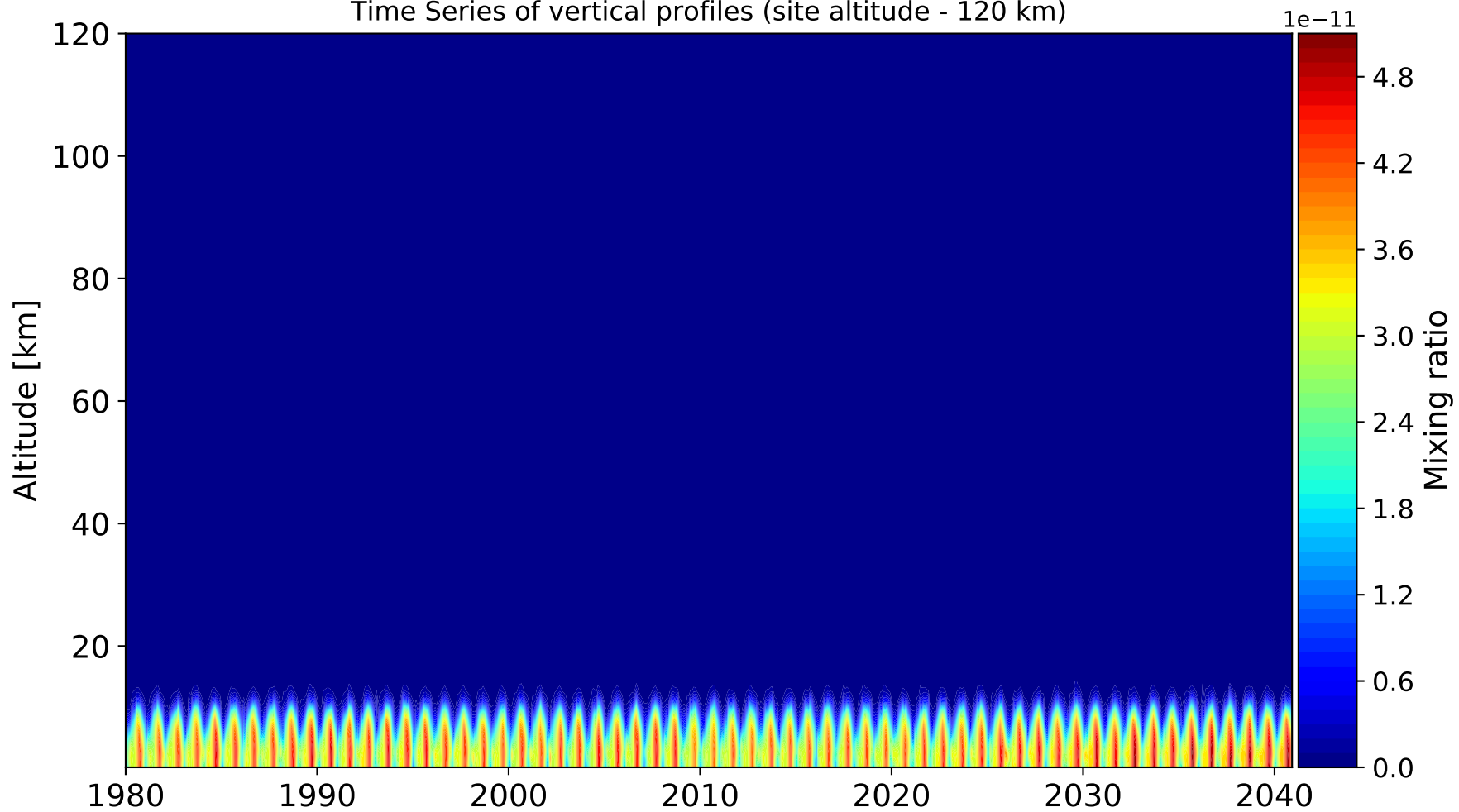
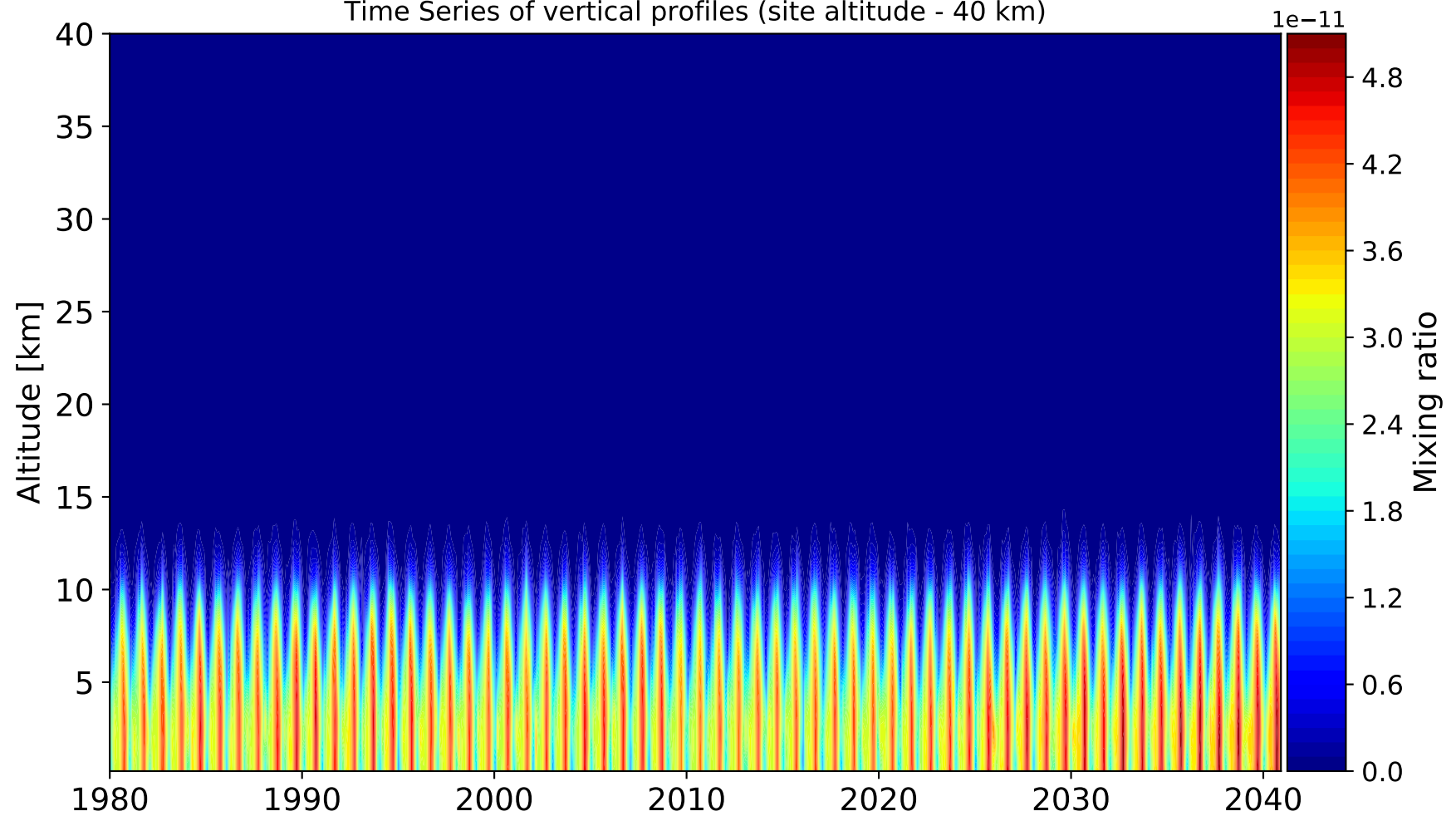


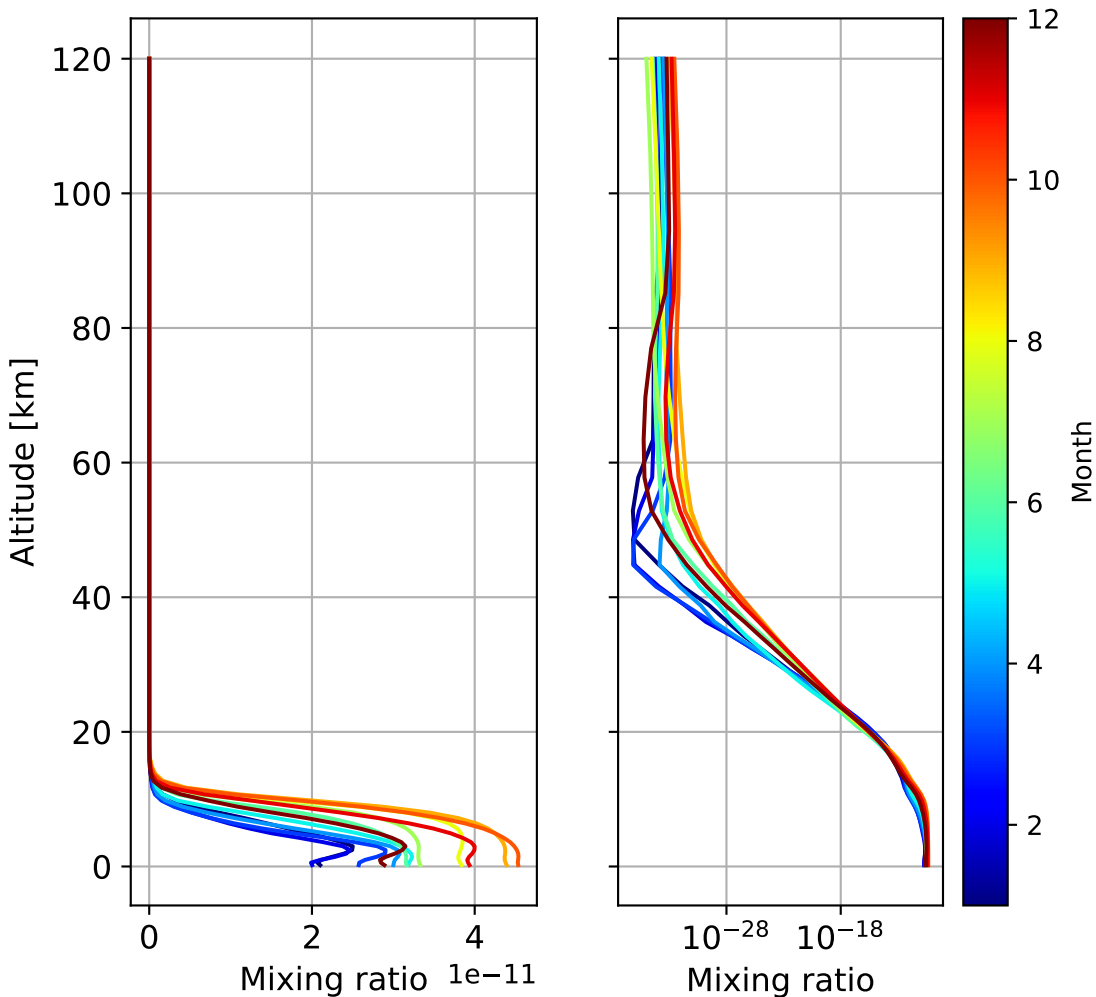
Time Series of vertical profiles (site altitude - 120 km)



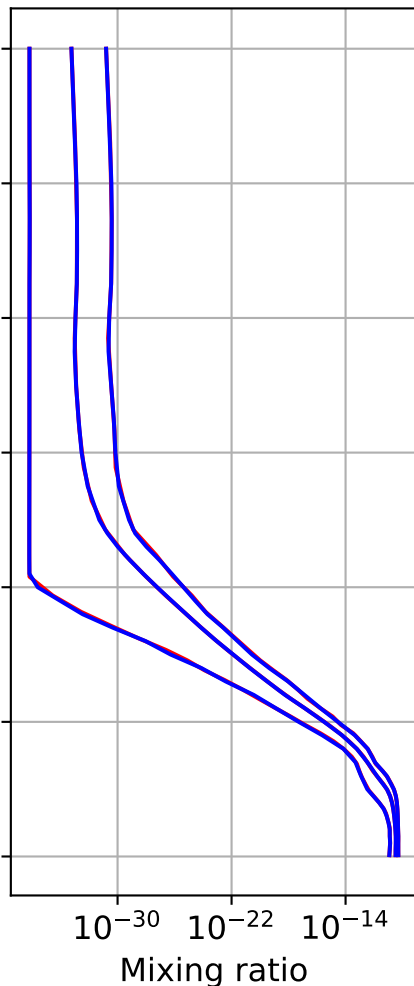
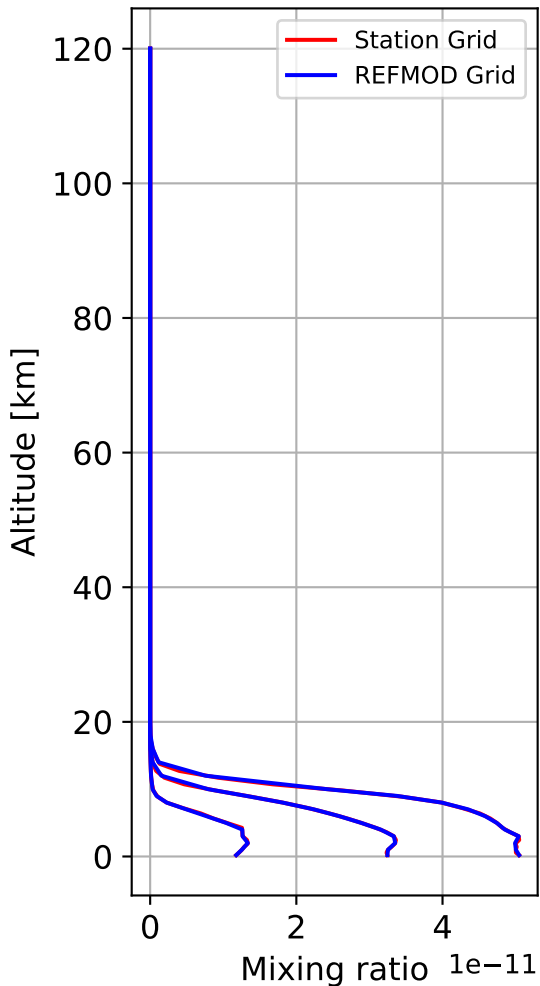
Time Series of vertical profiles (site altitude - 40 km)



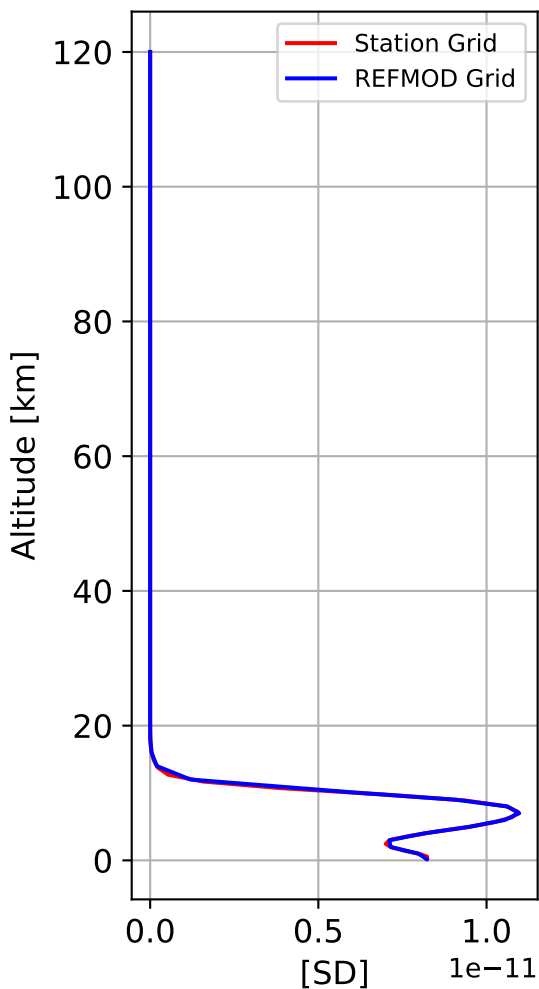
Monthly mean WACCM profile (interpolated to station grid)
Arrival_Heights, -78.83N, 166.66E, 0.2kmasl



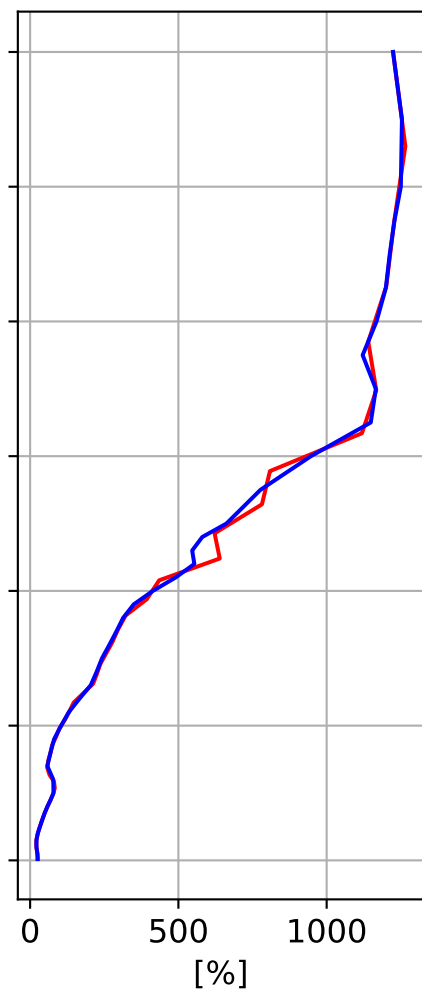
Min, Max, Mean of 732 profiles
Arrival_Heights, -78.83N, 166.66E, 0.2kmasl



Std. Deviation



Percent Deviation

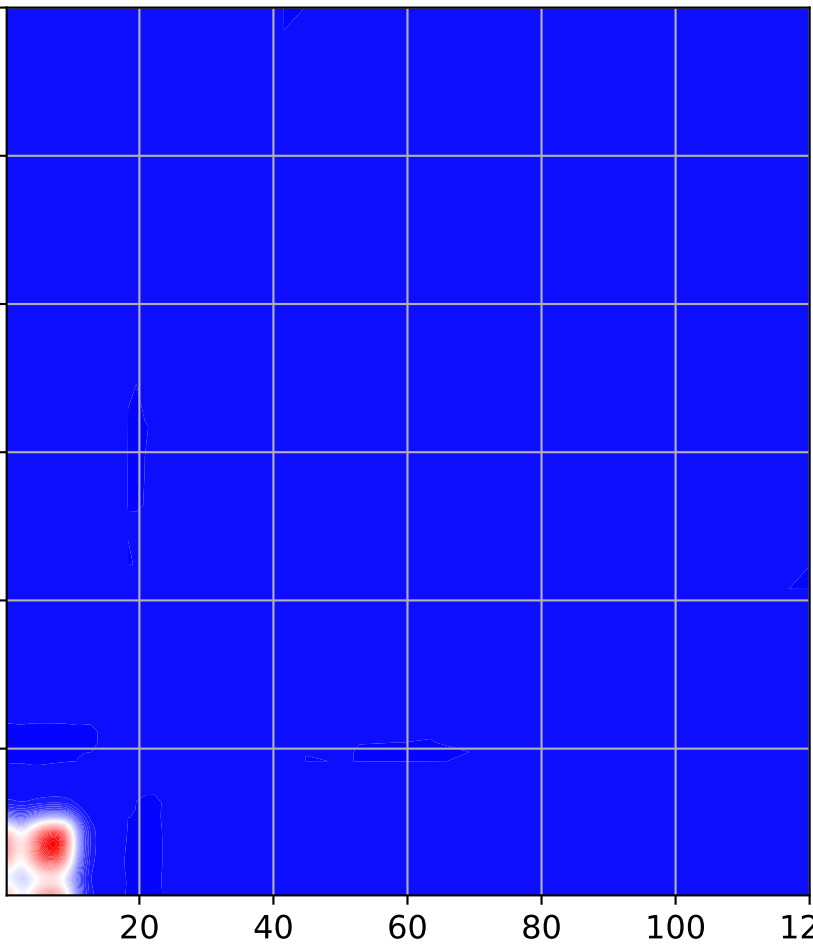


Level covariance matrix

1e-22

Altitude [km]

120
100
80
60
40
20



1.125
1.000
0.875
0.750
0.625
0.500
0.375
0.250
0.125
0.000

Mixing ratio[~ 2]

Altitude [km]