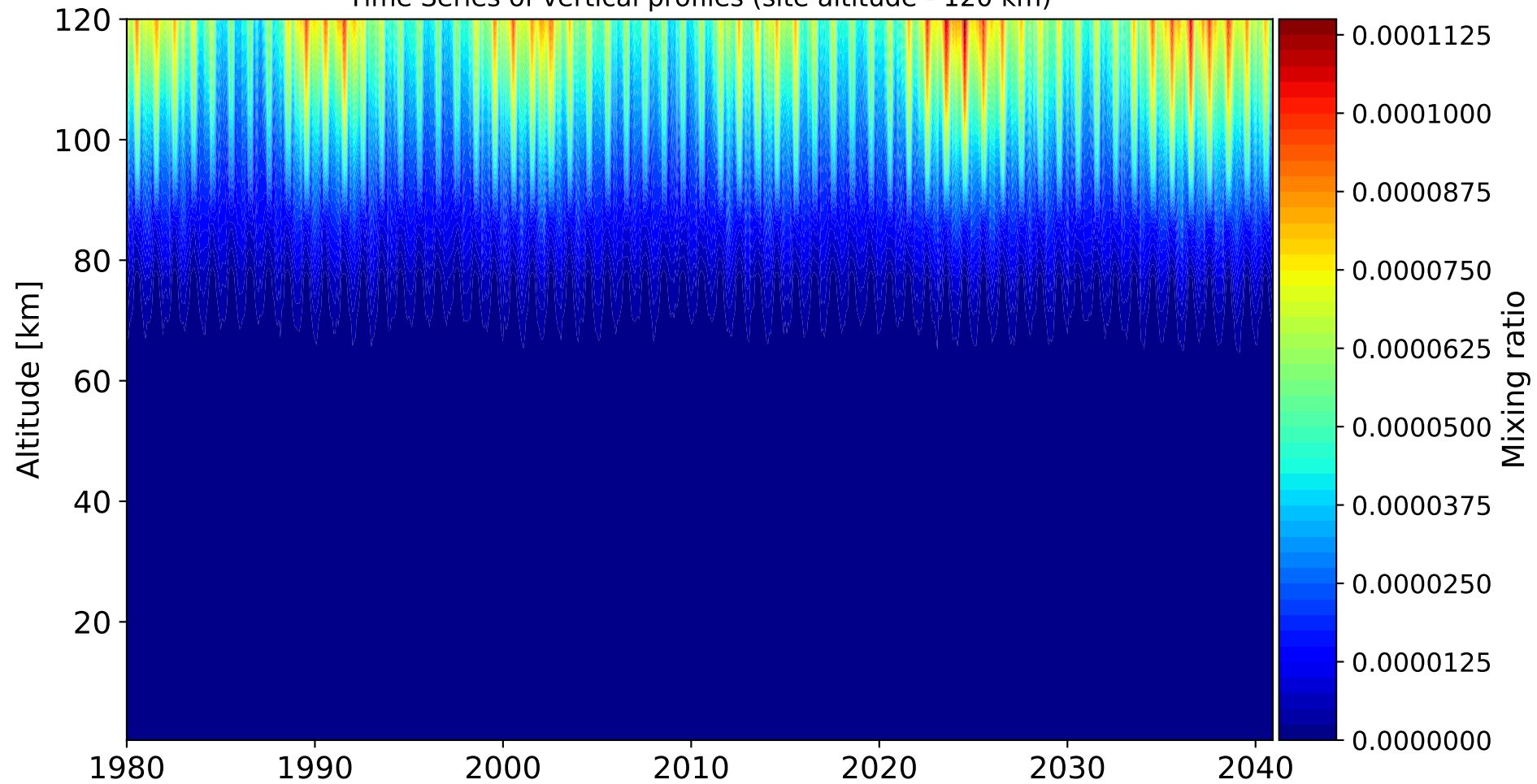
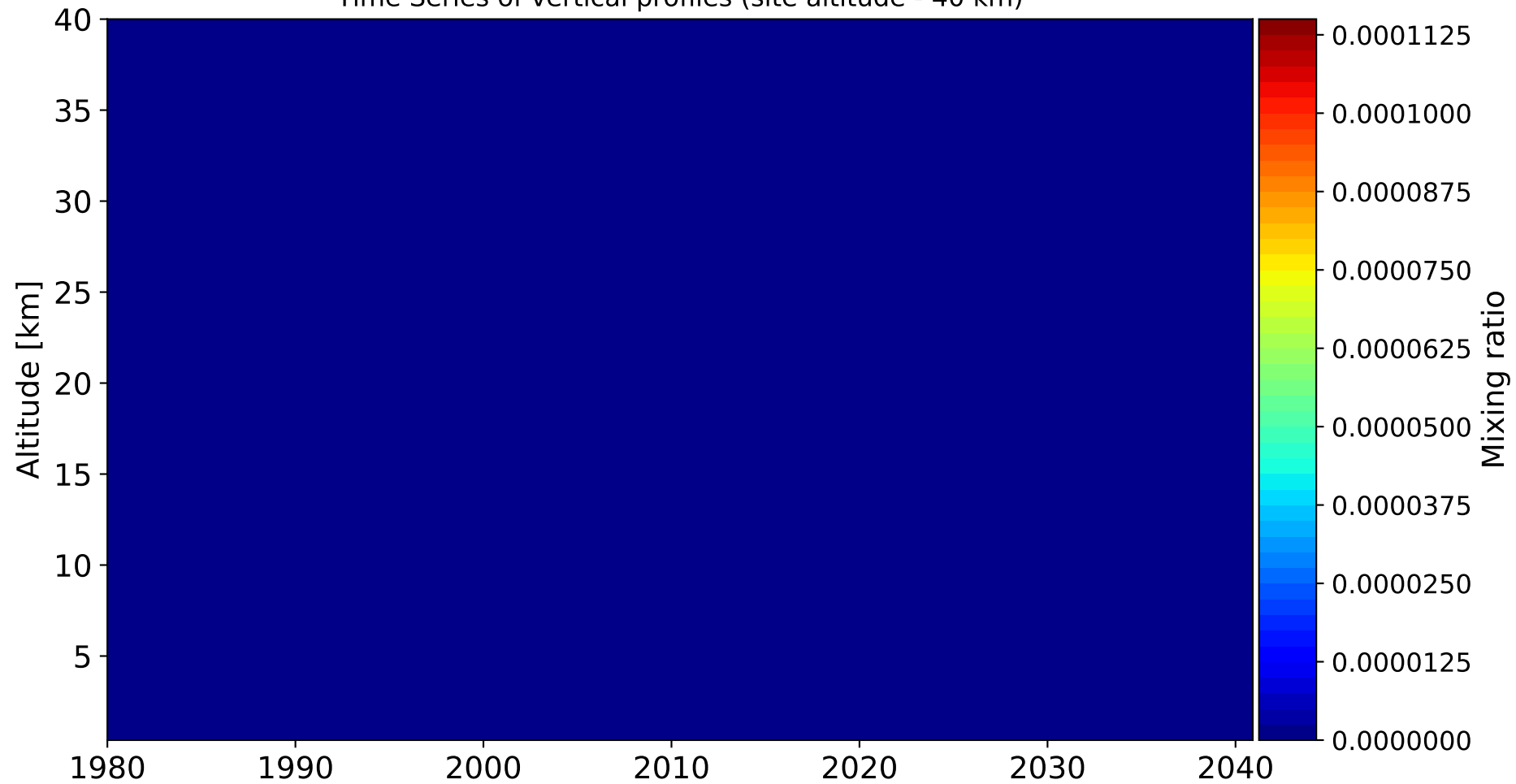


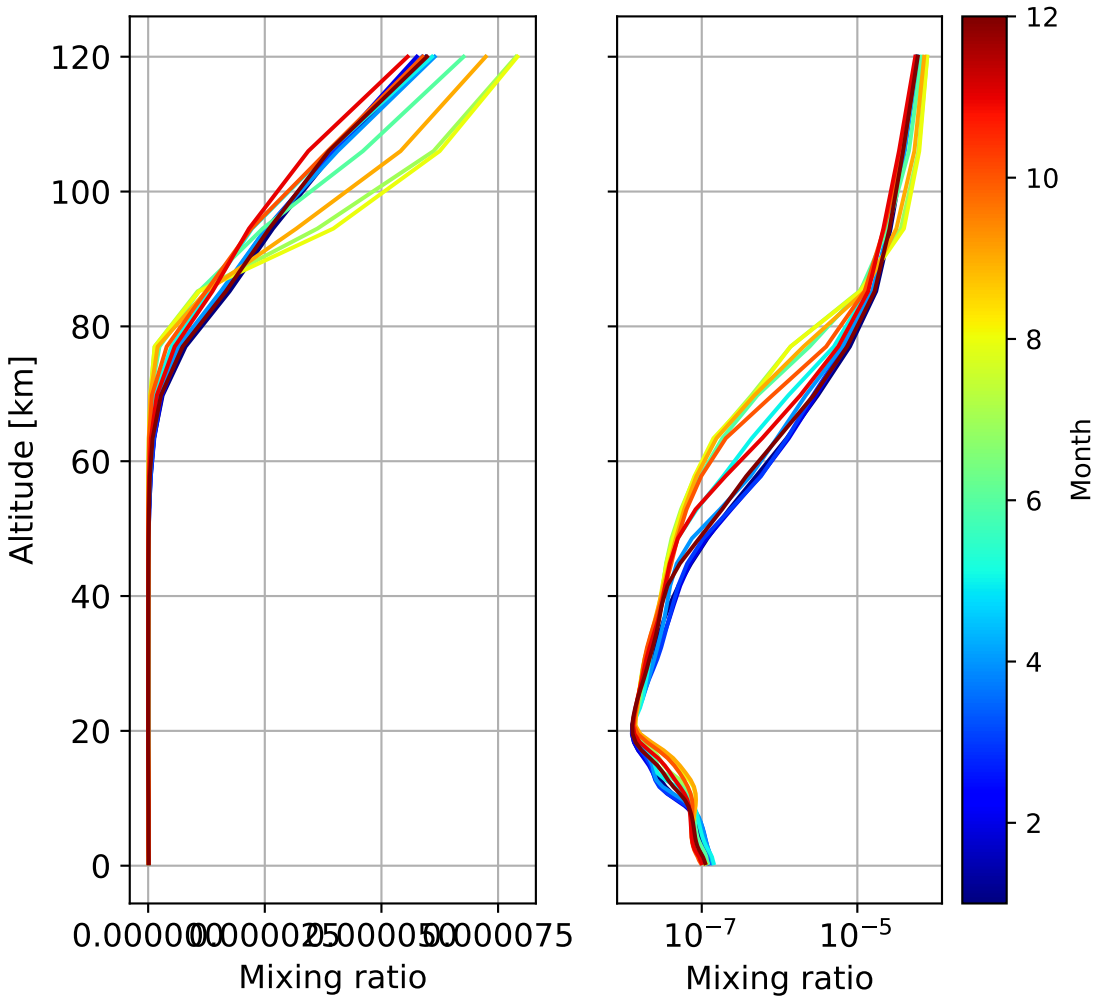
Time Series of vertical profiles (site altitude - 120 km)



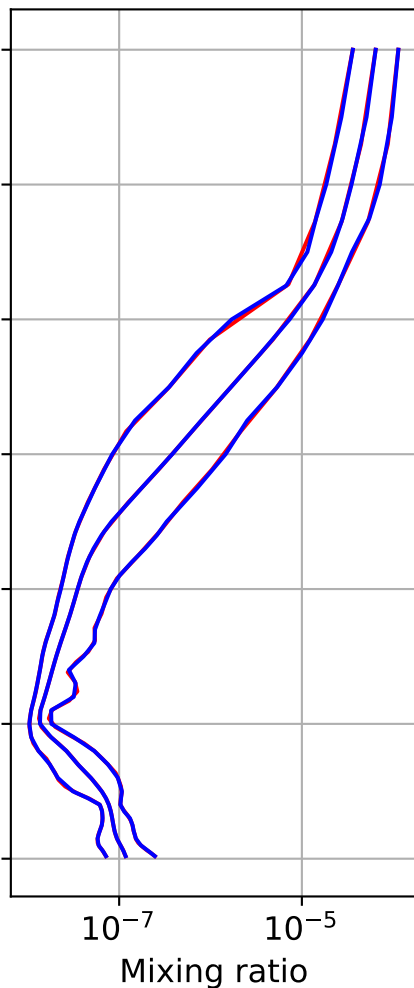
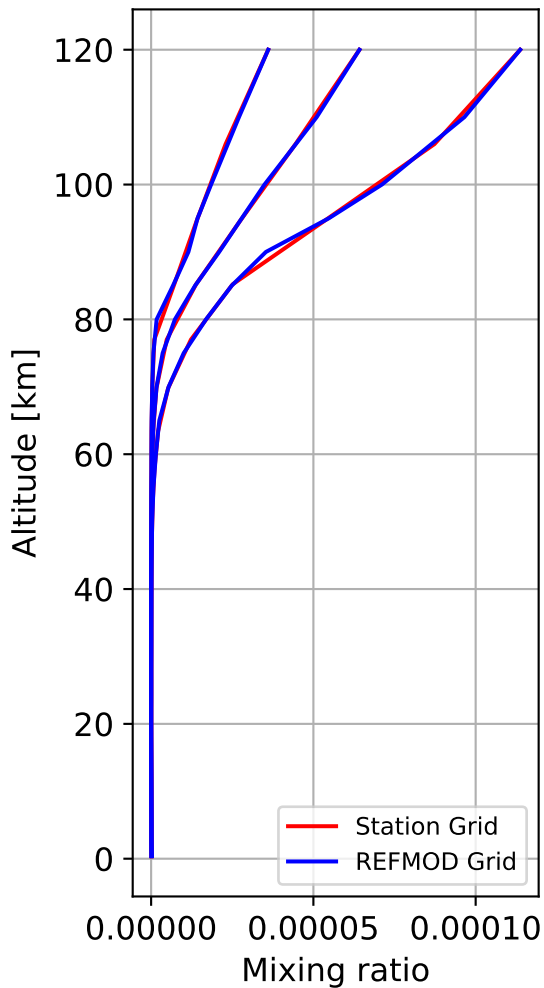
Time Series of vertical profiles (site altitude - 40 km)



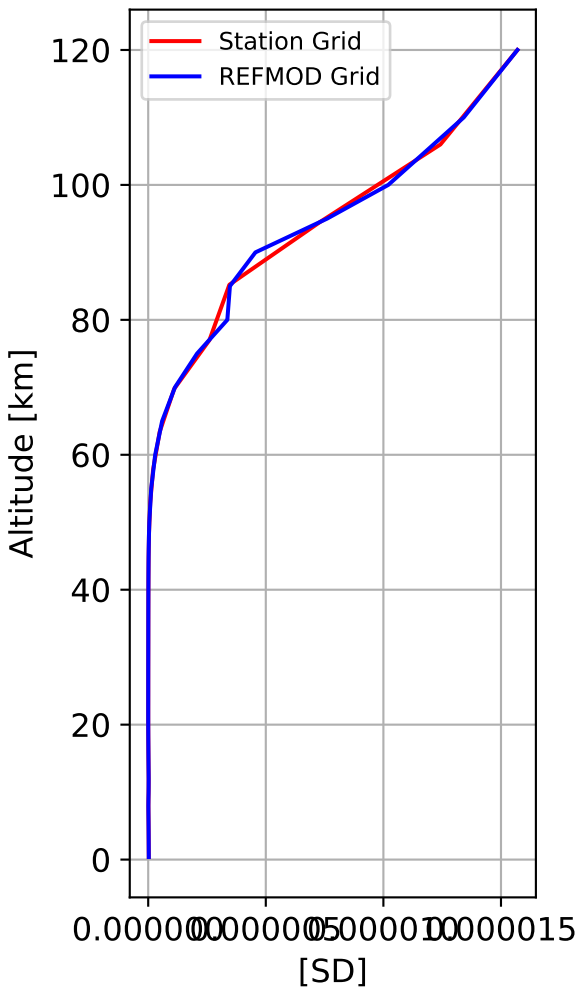
Monthly mean WACCM profile (interpolated to station grid) Rikubetsu, 43.46N, 143.77E, 0.38kmasl



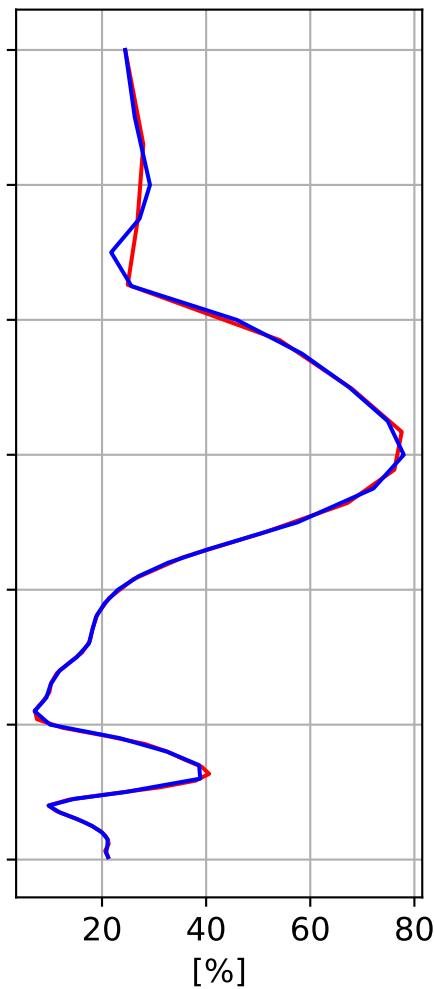
Min, Max, Mean of 732 profiles
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

$1e-10$

Altitude [km]

120
100
80
60
40
20

Altitude [km]

20 40 60 80 100 120

Mixing ratio[~ 2]

2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0

