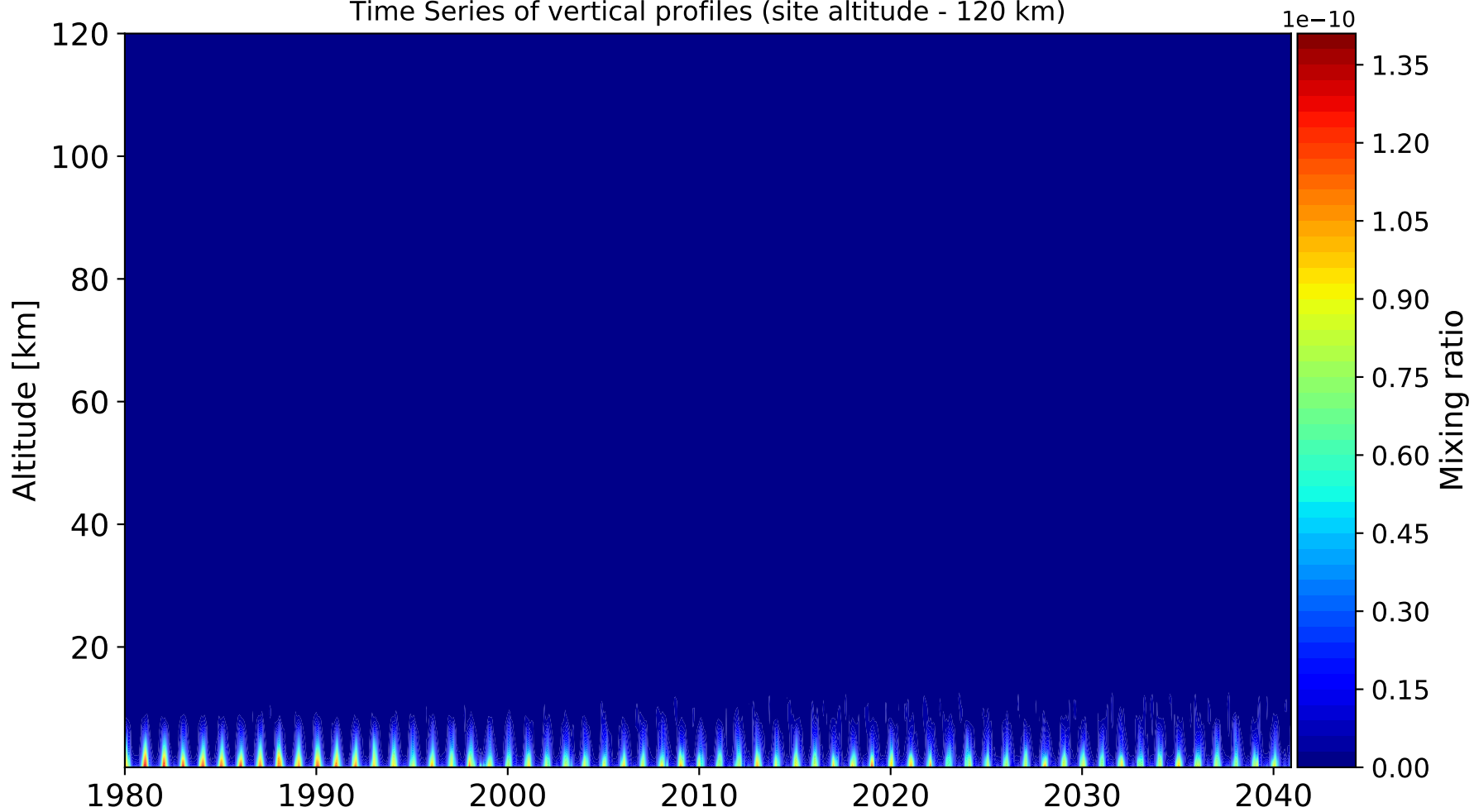
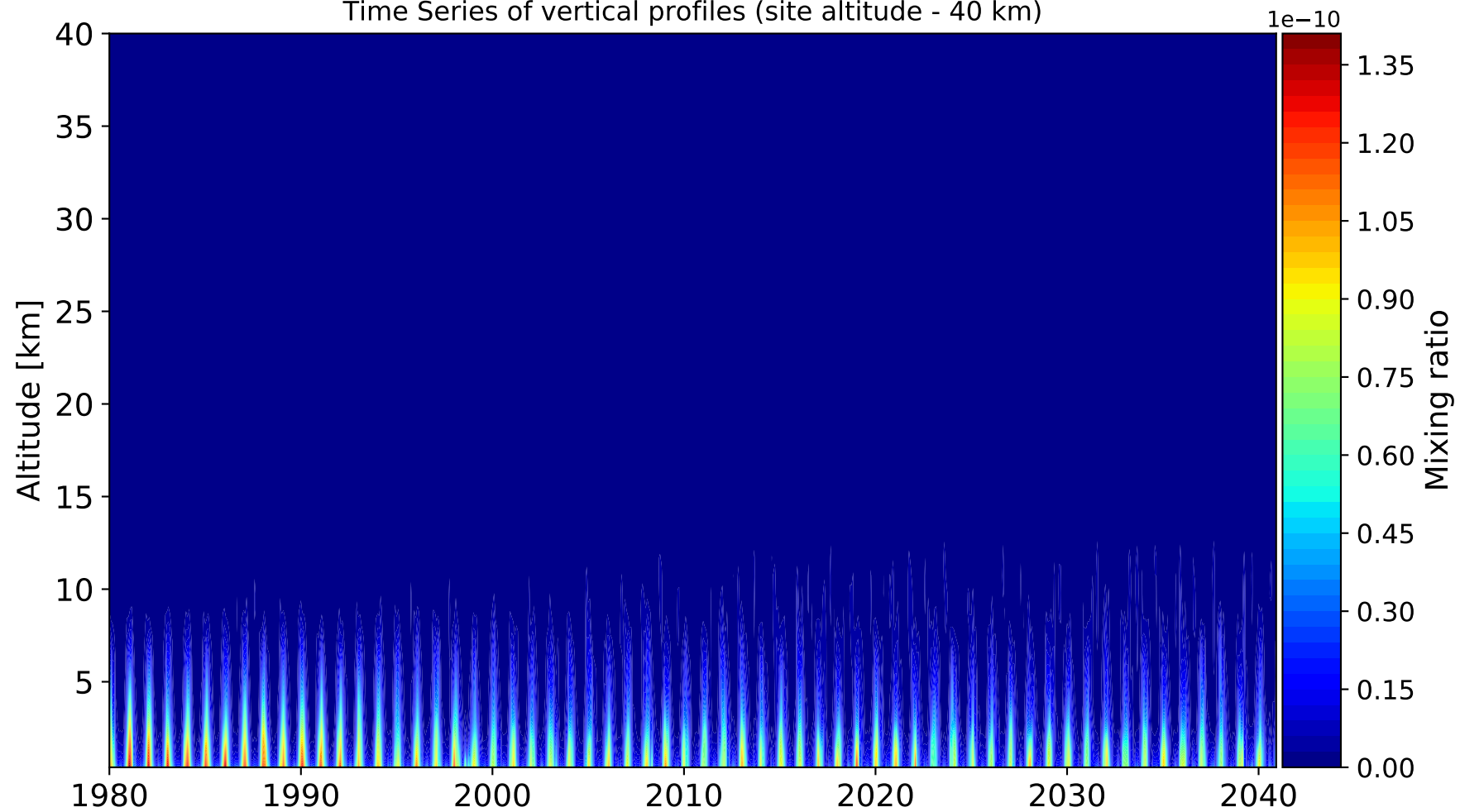


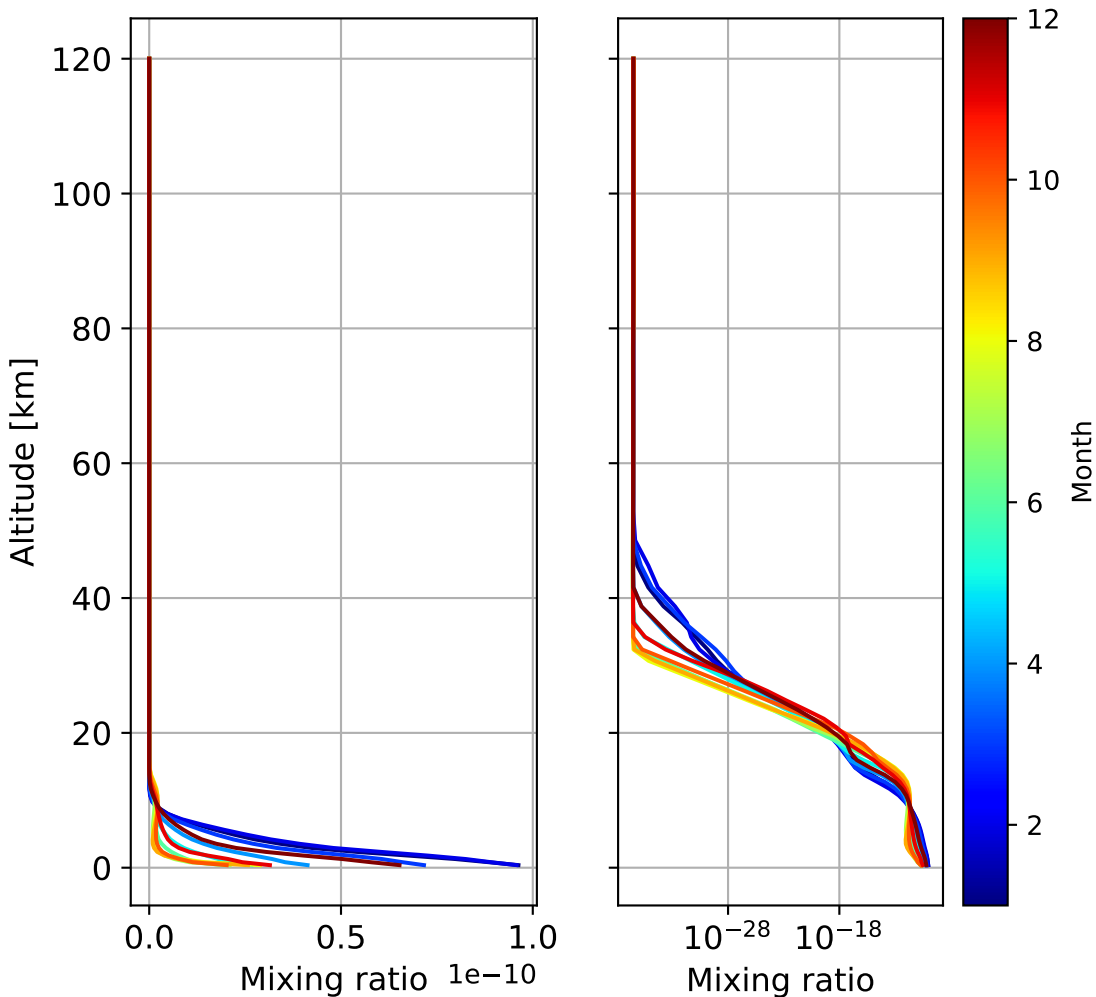
Time Series of vertical profiles (site altitude - 120 km)



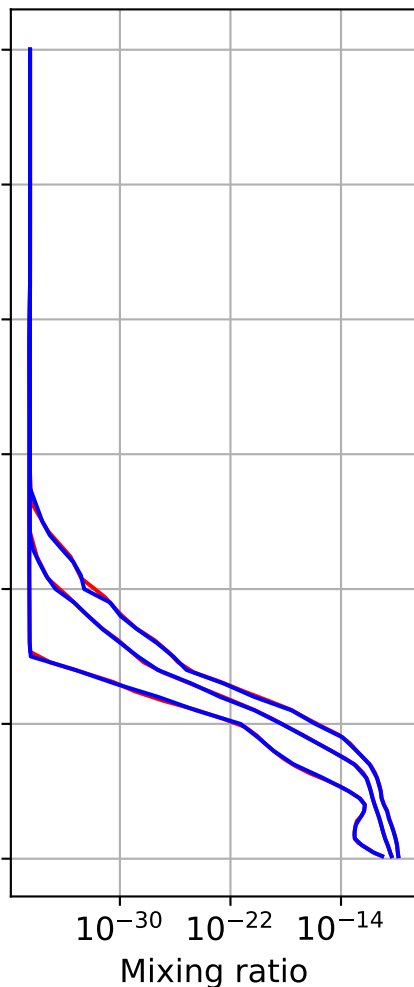
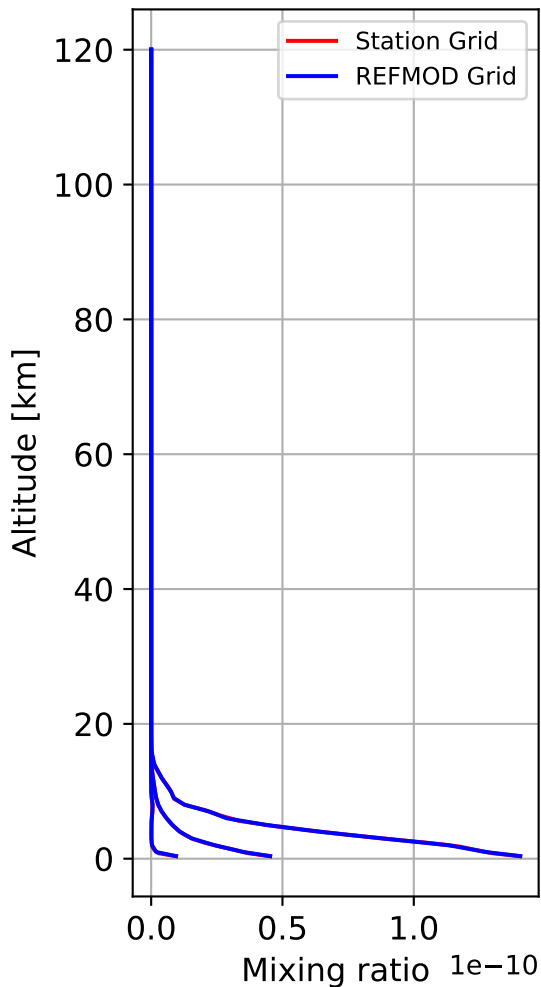
Time Series of vertical profiles (site altitude - 40 km)



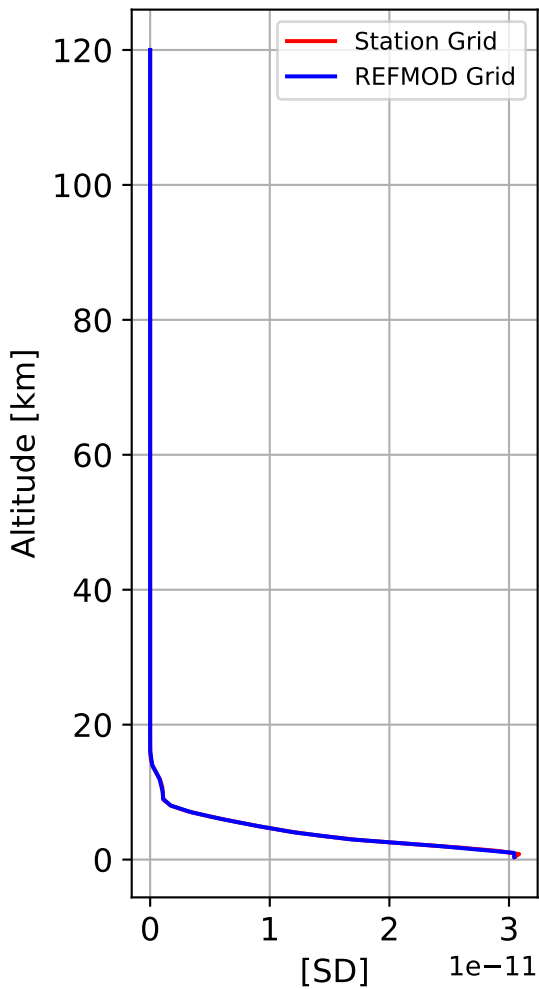
Monthly mean WACCM profile (interpolated to station grid)
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



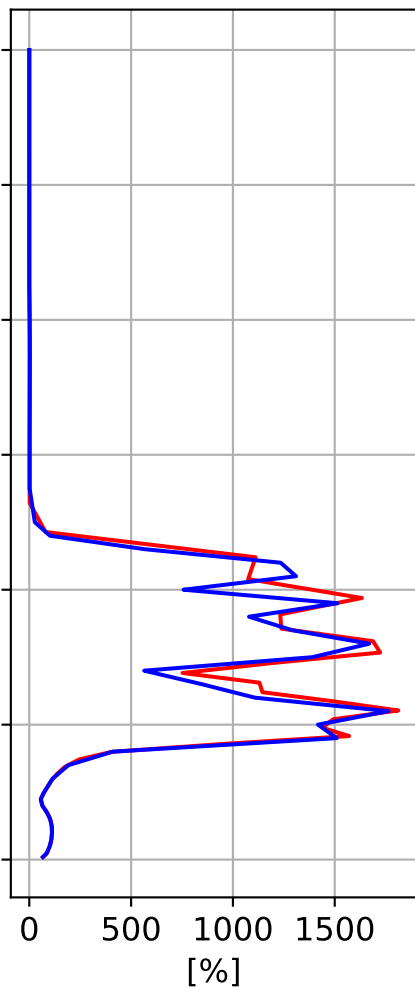
Min, Max, Mean of 732 profiles
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-22

Altitude [km]

120
100
80
60
40
20

20 40 60 80 100 120

Altitude [km]

Mixing ratio[²]

9
8
7
6
5
4
3
2
1
0

