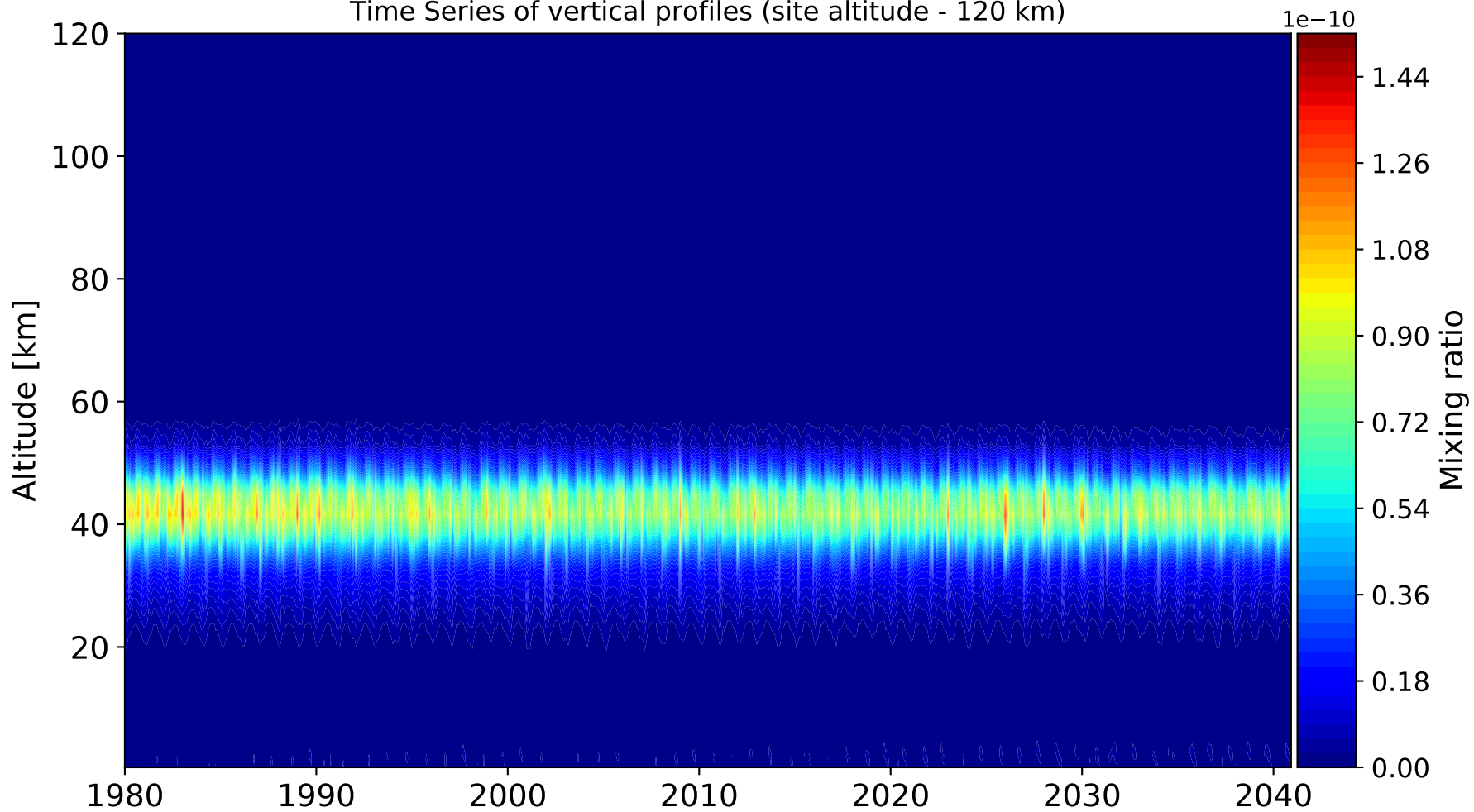
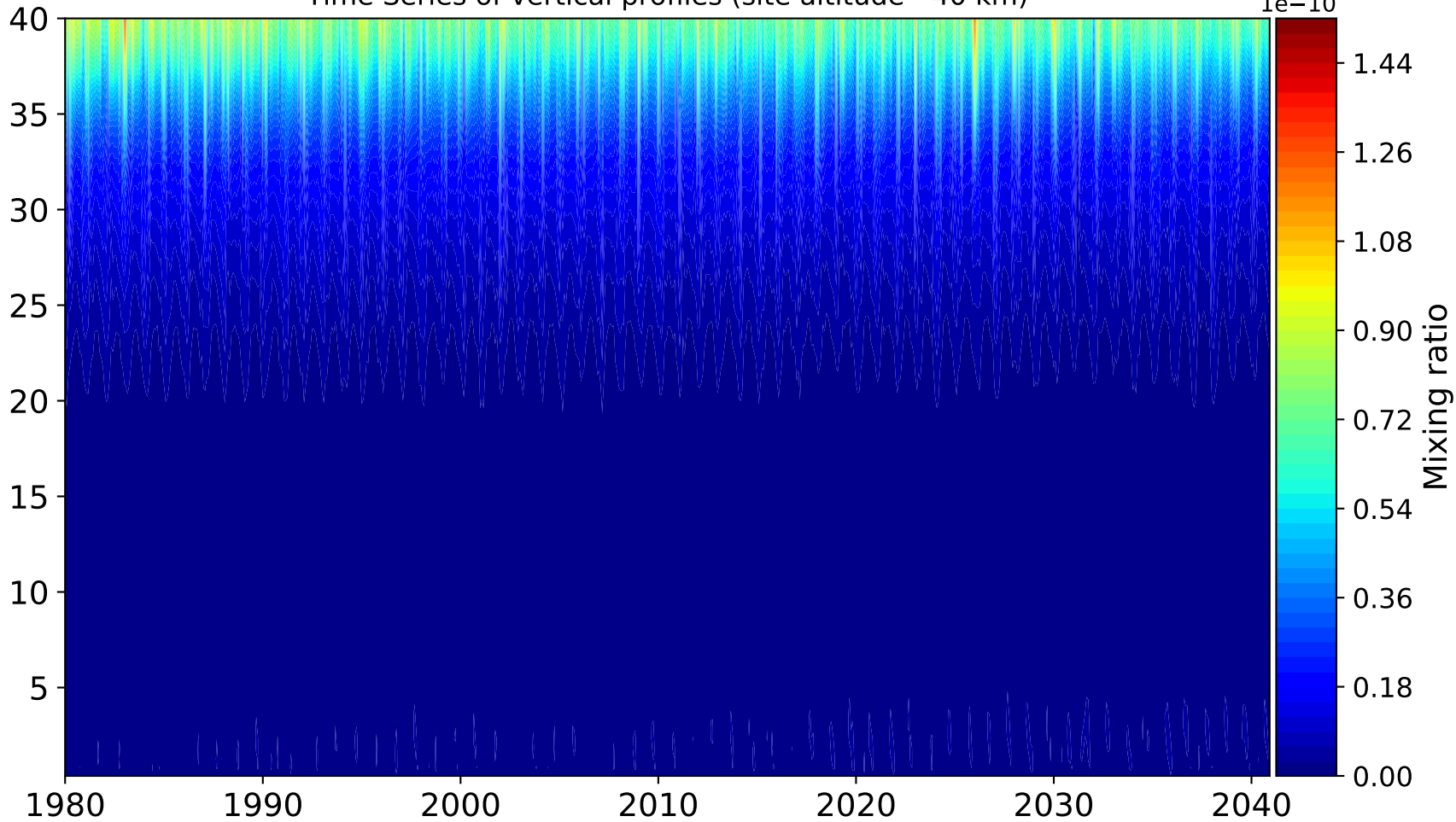


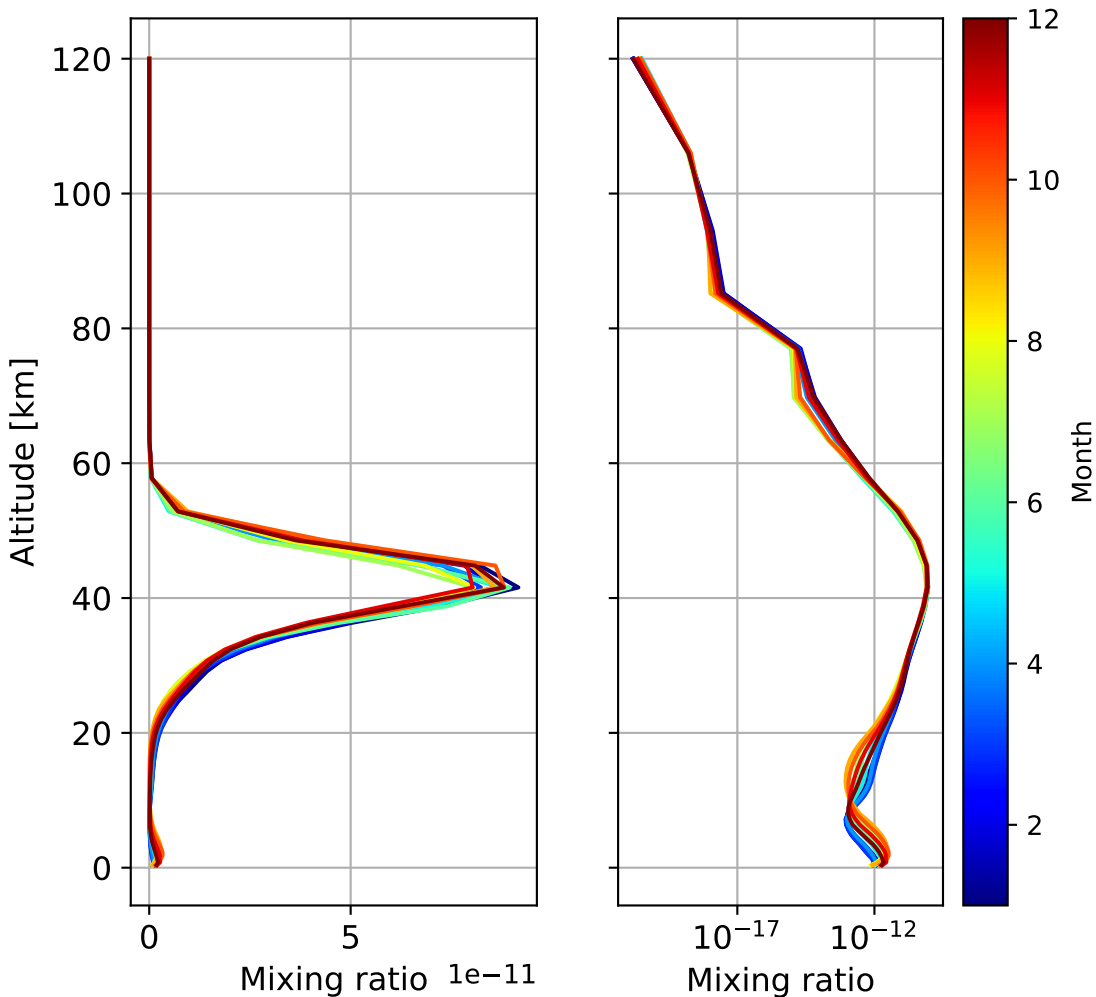
Time Series of vertical profiles (site altitude - 120 km)



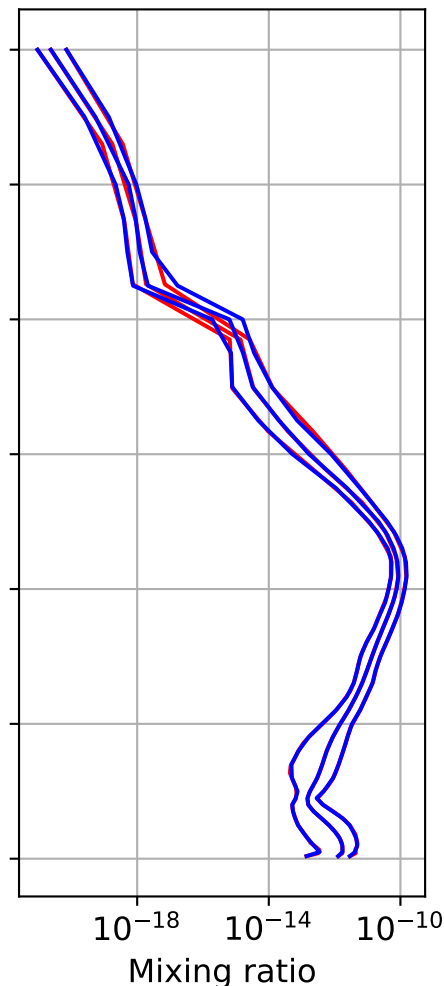
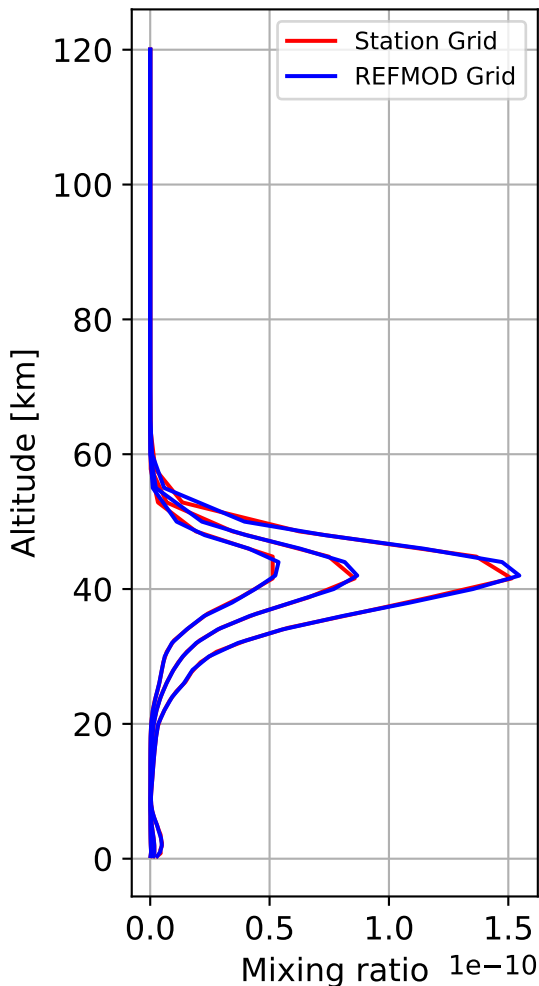
Time Series of vertical profiles (site altitude - 40 km)



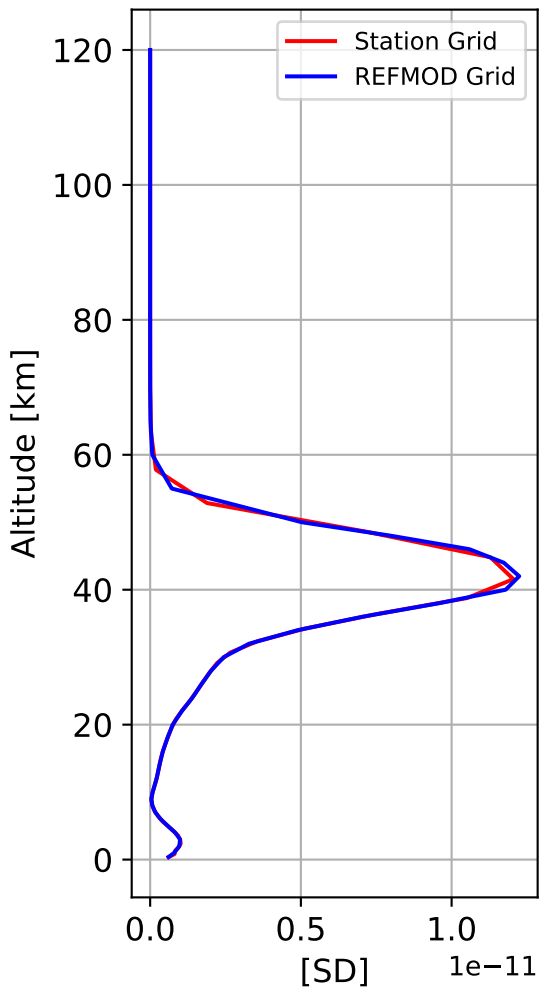
Monthly mean WACCM profile (interpolated to station grid)
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



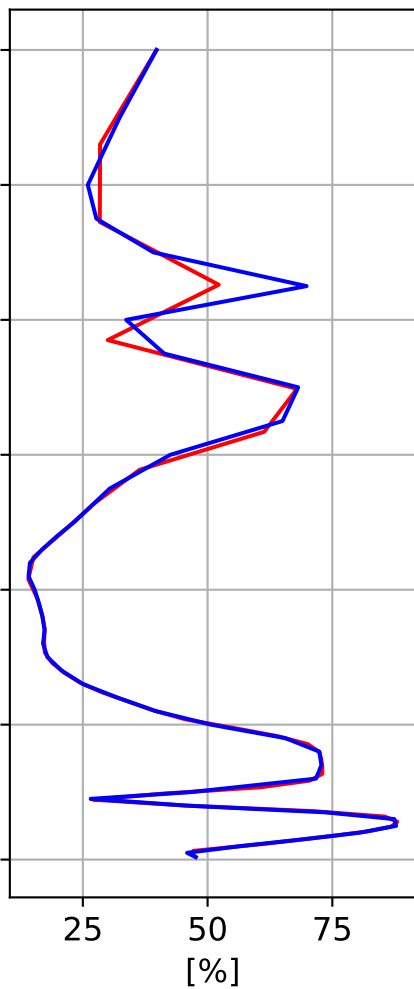
Min, Max, Mean of 732 profiles
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



Std. Deviation



Percent Deviation

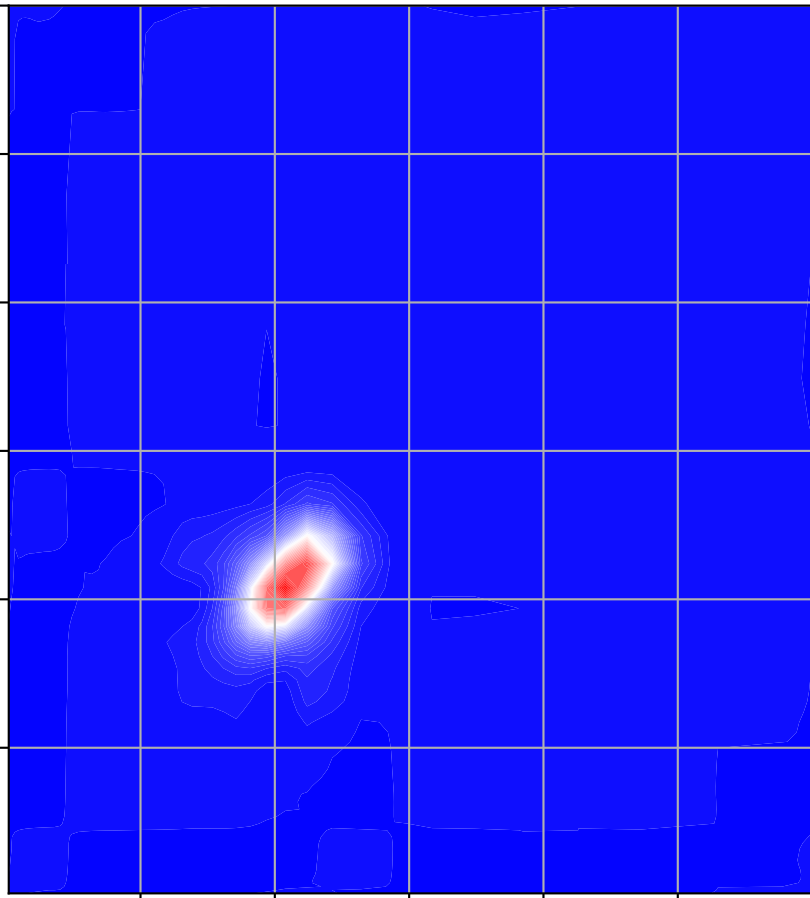


Level covariance matrix

$1e-22$

Altitude [km]

120
100
80
60
40
20



Altitude [km]

Mixing ratio[~ 2]

1.44
1.26
1.08
0.90
0.72
0.54
0.36
0.18
0.00