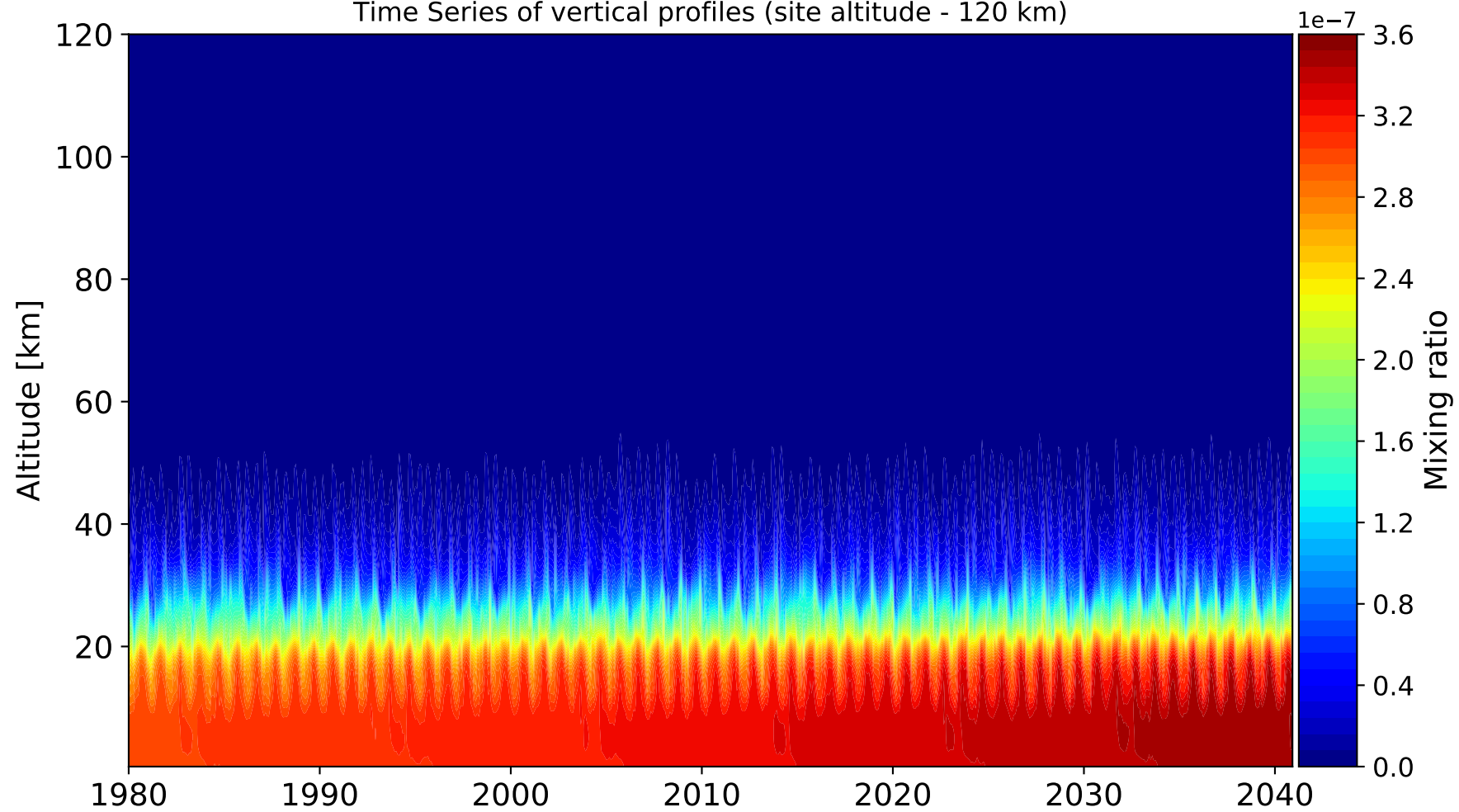
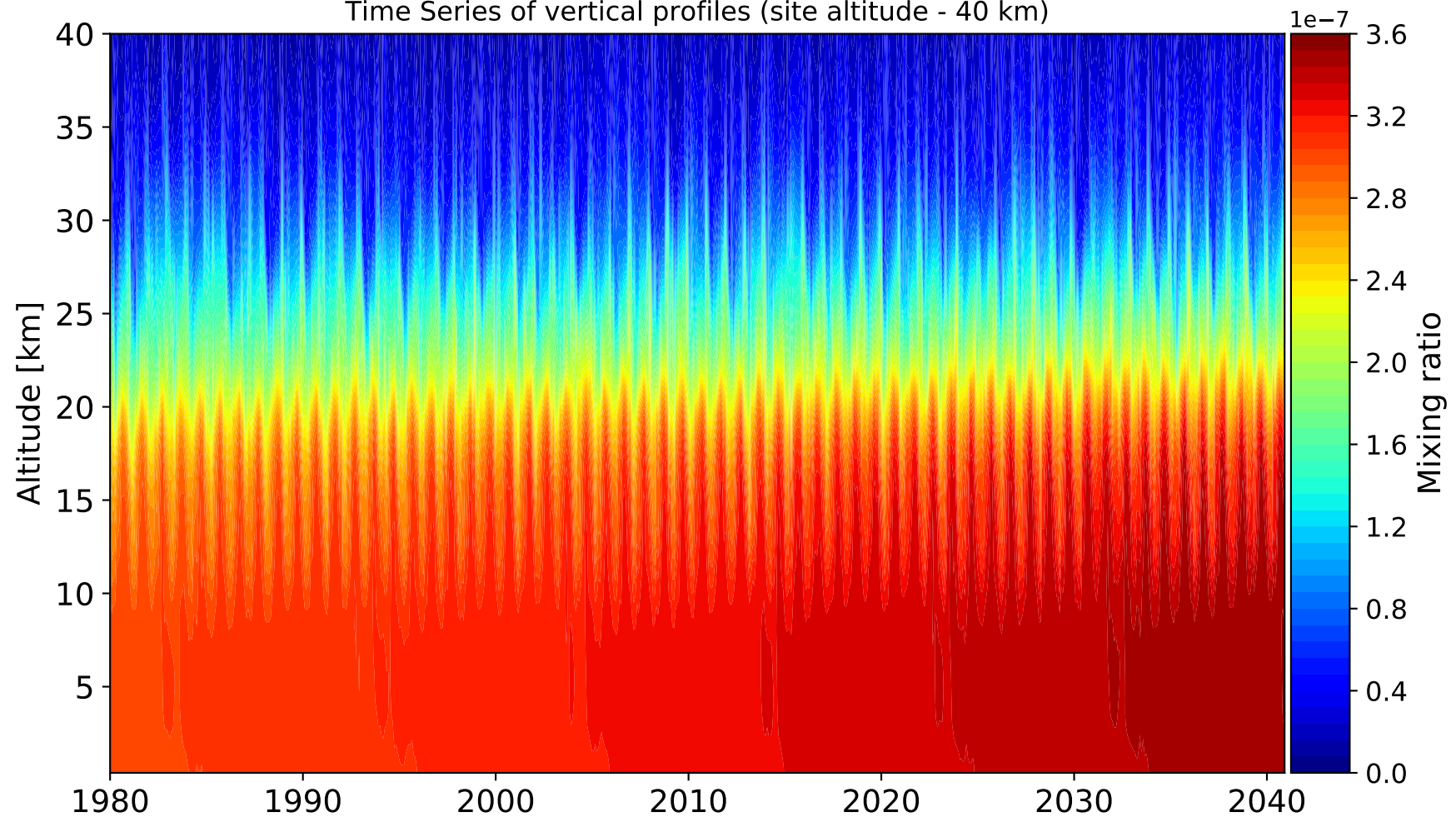


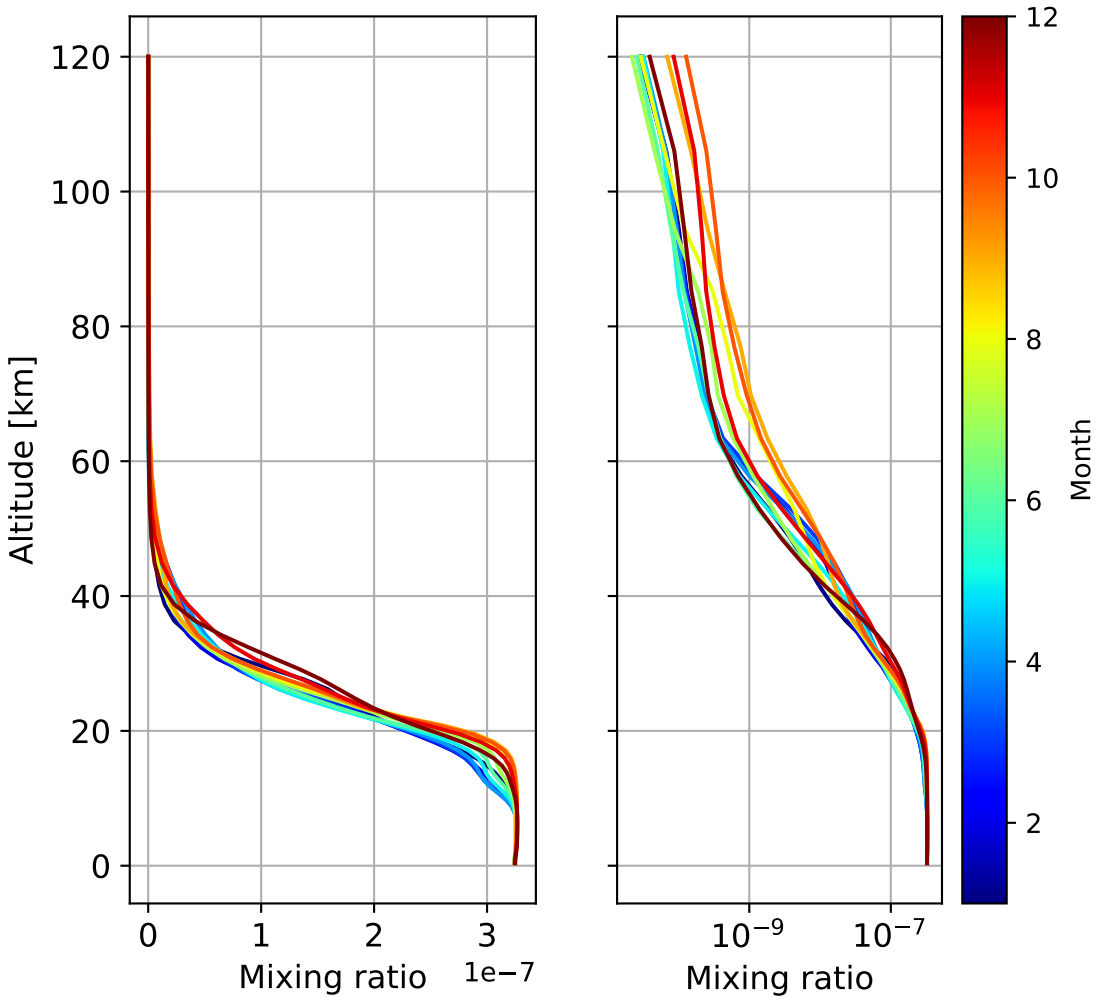
Time Series of vertical profiles (site altitude - 120 km)



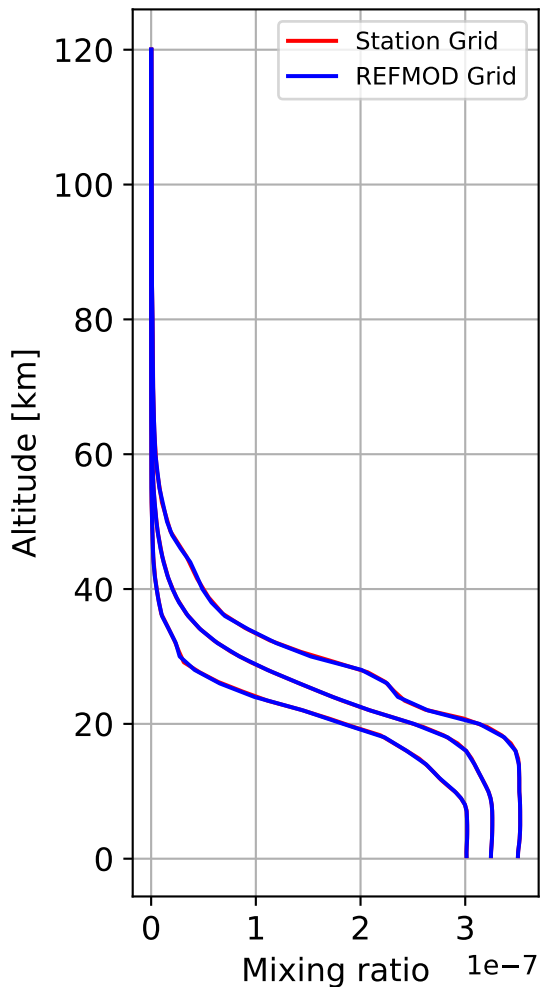
Time Series of vertical profiles (site altitude - 40 km)



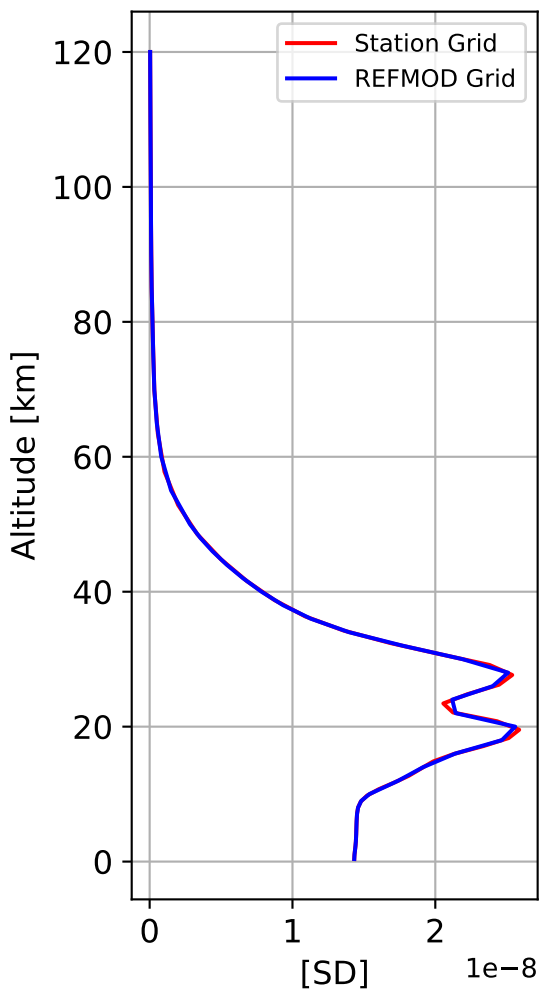
Monthly mean WACCM profile (interpolated to station grid) Rikubetsu, 43.46N, 143.77E, 0.38kmasl



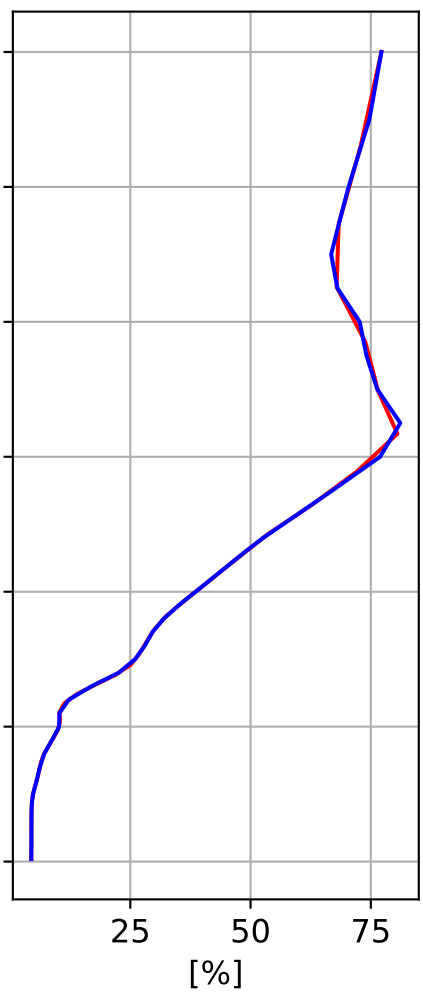
Min, Max, Mean of 732 profiles
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



Std. Deviation



Percent Deviation

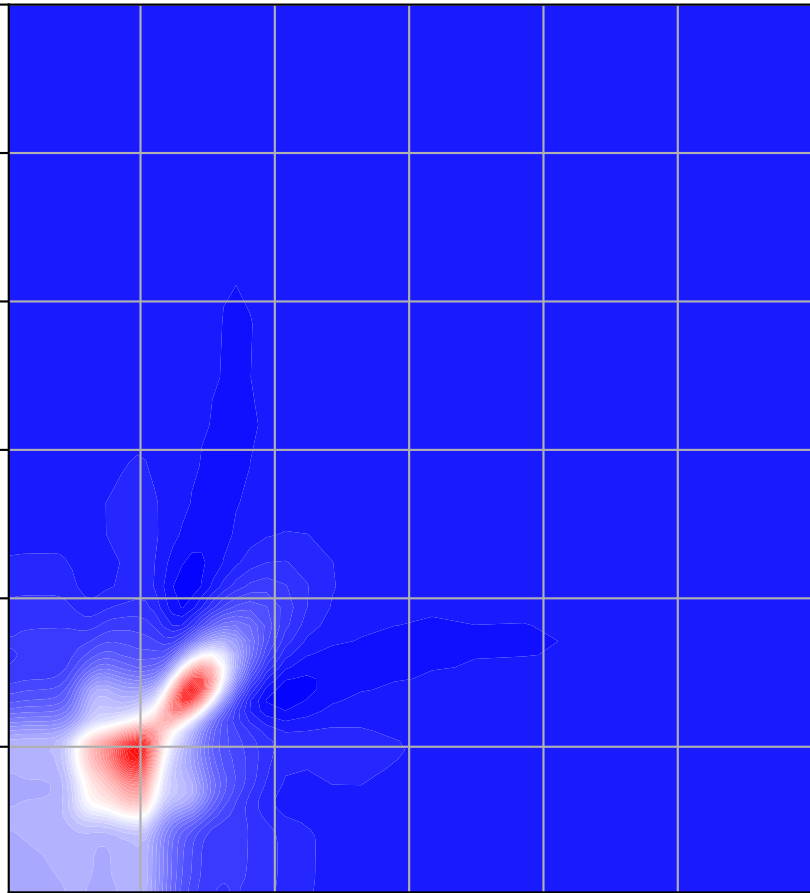


Level covariance matrix

$1e-16$

Altitude [km]

120
100
80
60
40
20



Altitude [km]

120
100
80
60
40
20

Mixing ratio[~ 2]

6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00