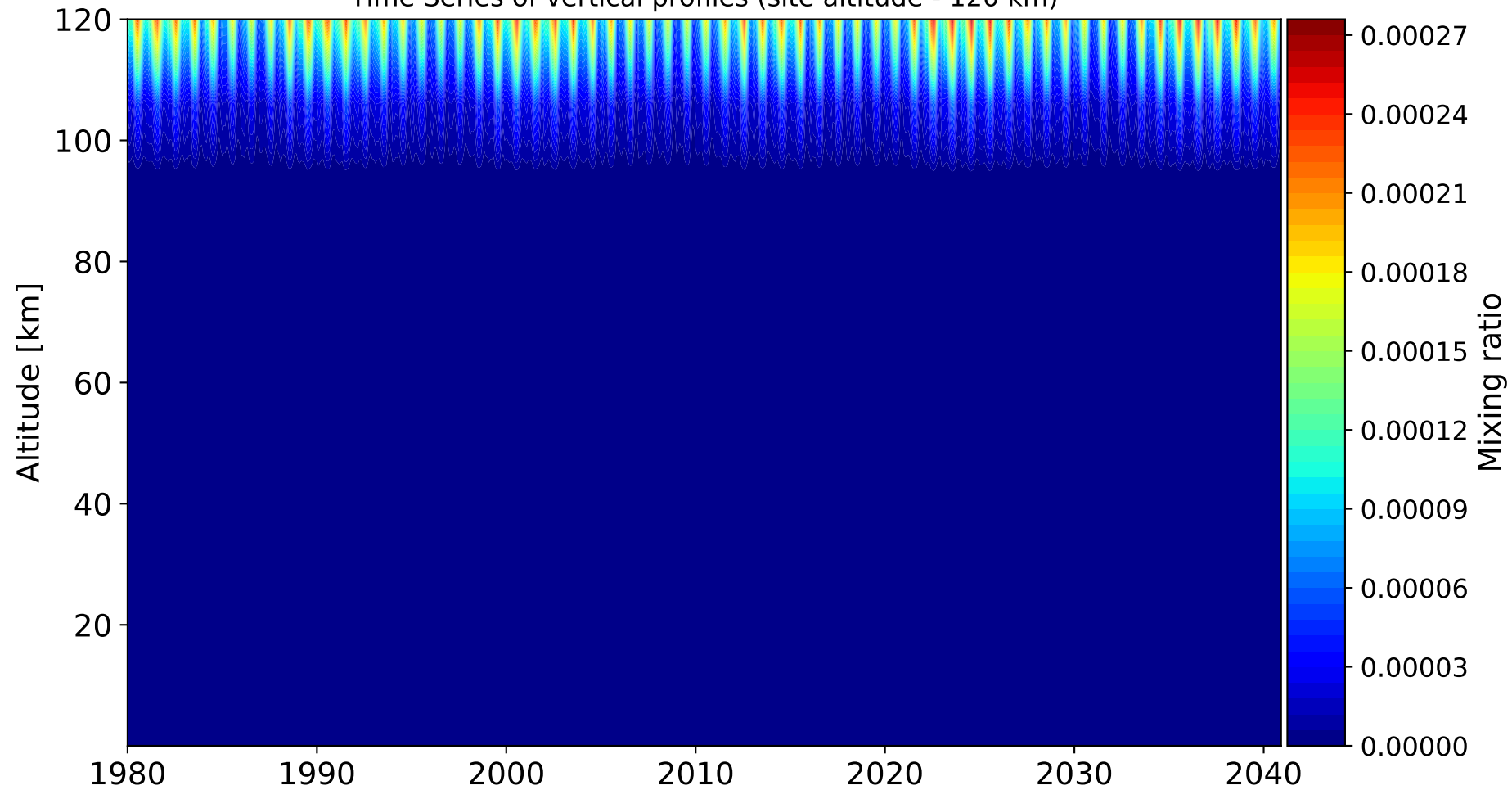
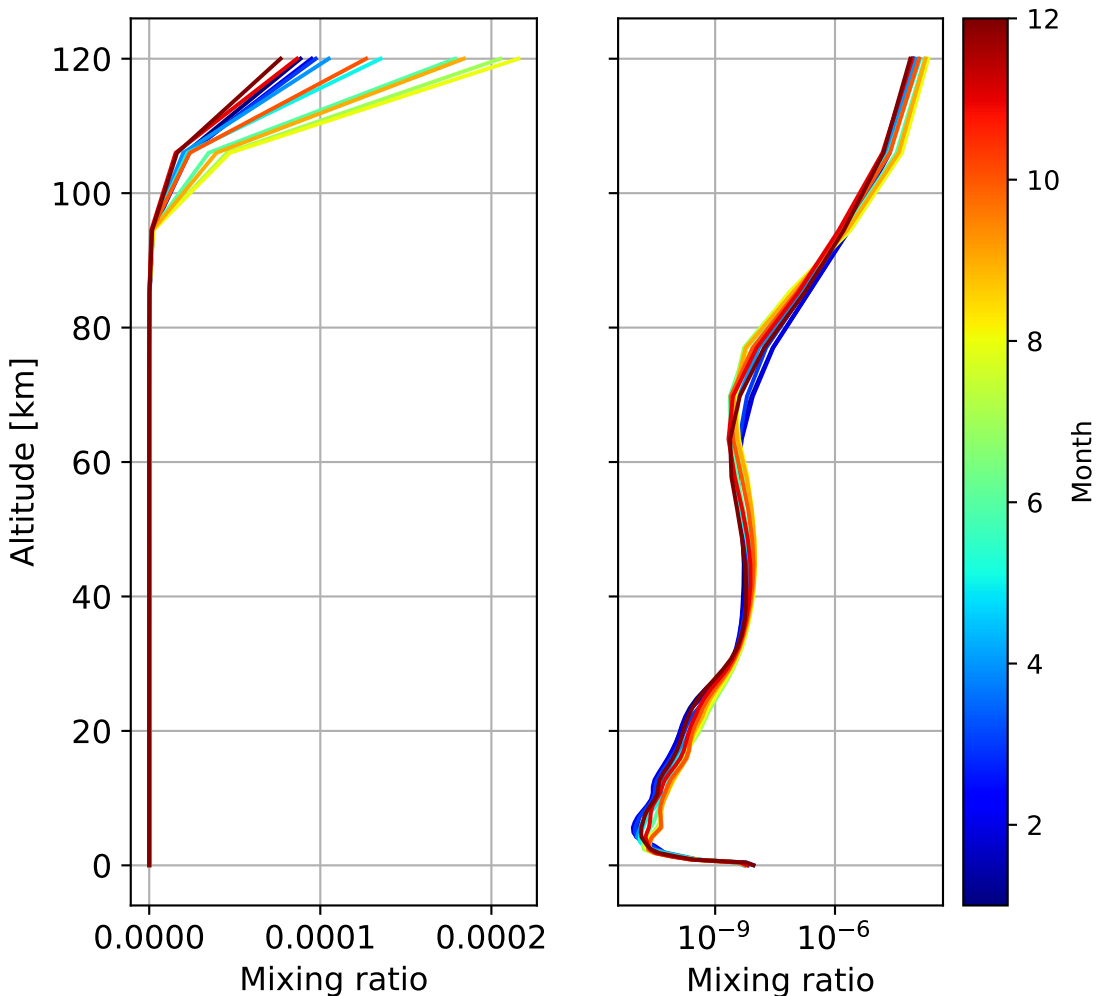


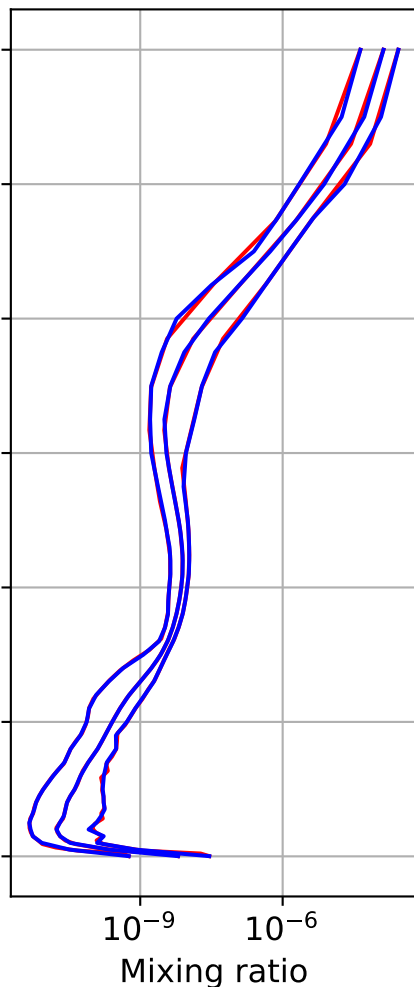
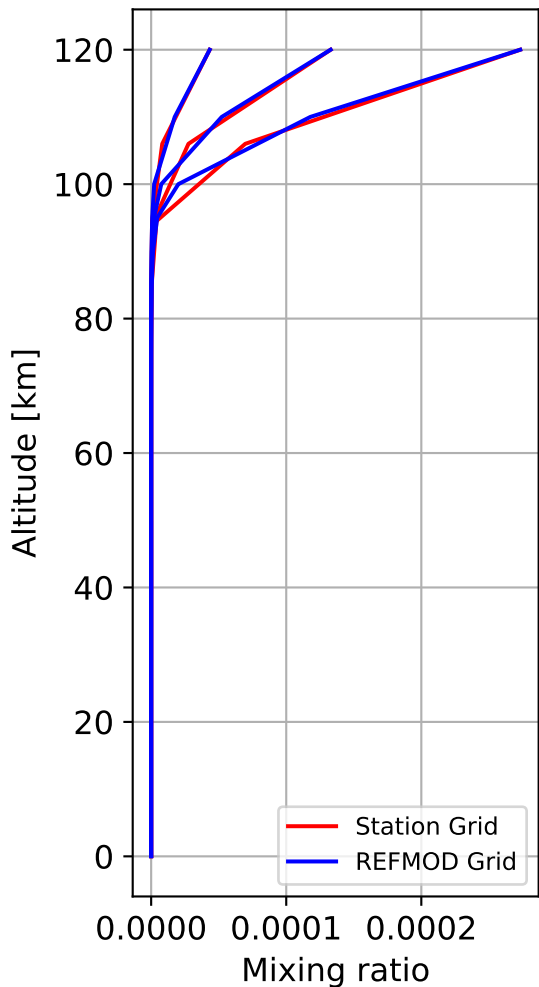
Time Series of vertical profiles (site altitude - 120 km)



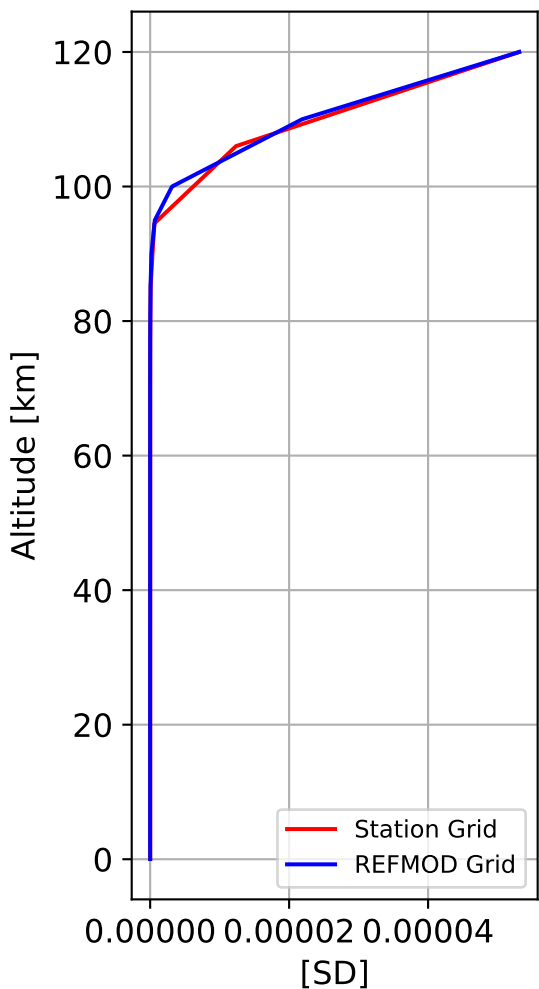
Monthly mean WACCM profile (interpolated to station grid)
Tsukuba, 36.05N, 140.12E, 0.031kmasl



Min, Max, Mean of 732 profiles
Tsukuba, 36.05N, 140.12E, 0.031kmasl



Std. Deviation



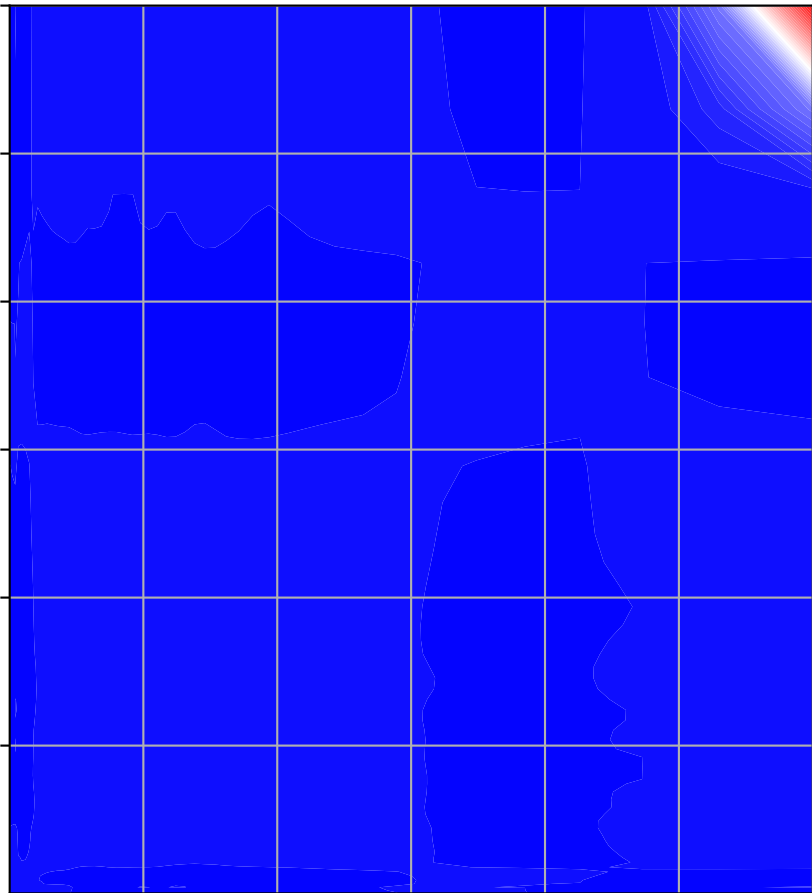
Percent Deviation



Level covariance matrix

1e-9

Altitude [km]

120
100
80
60
40
20

Altitude [km]

Mixing ratio²2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0