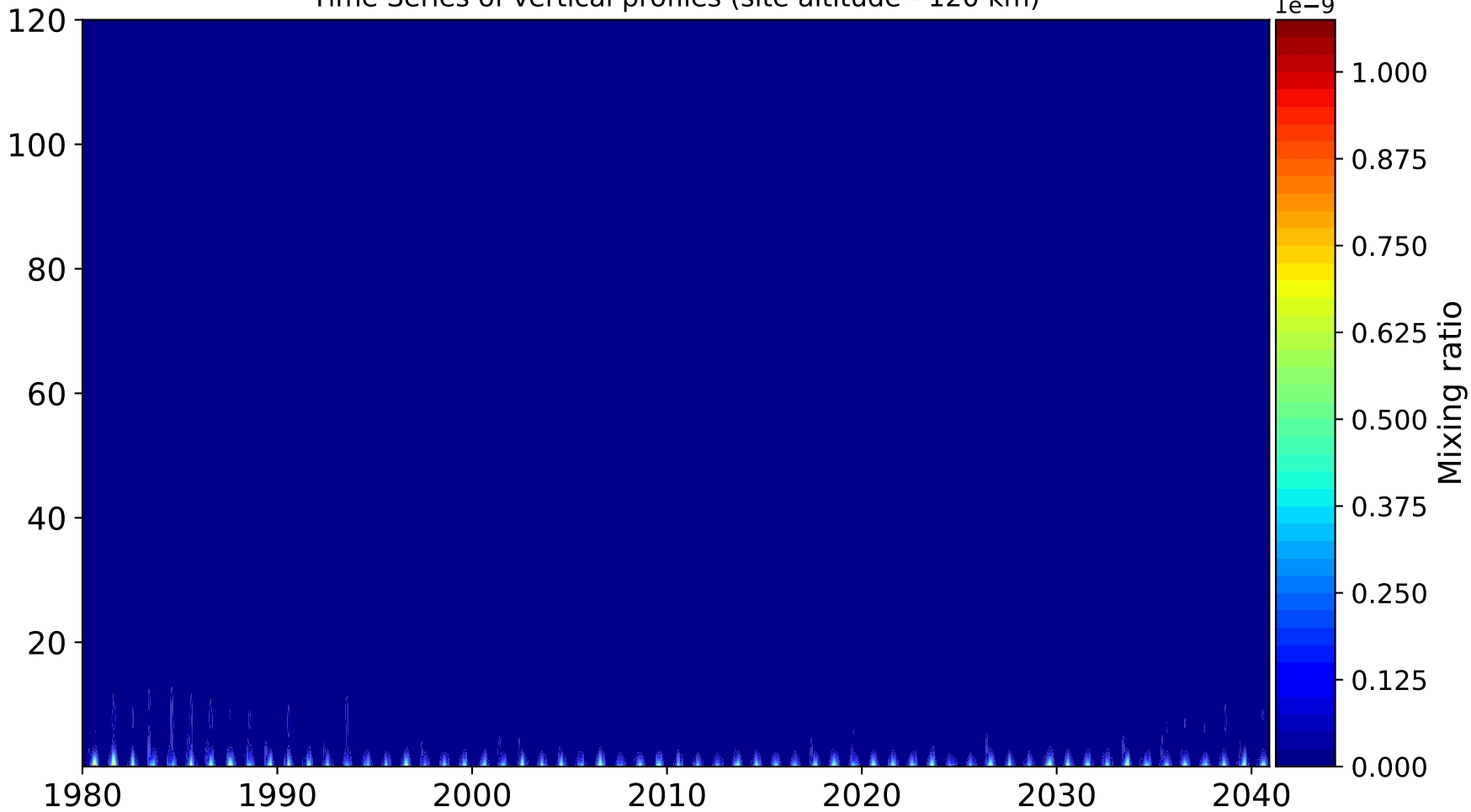
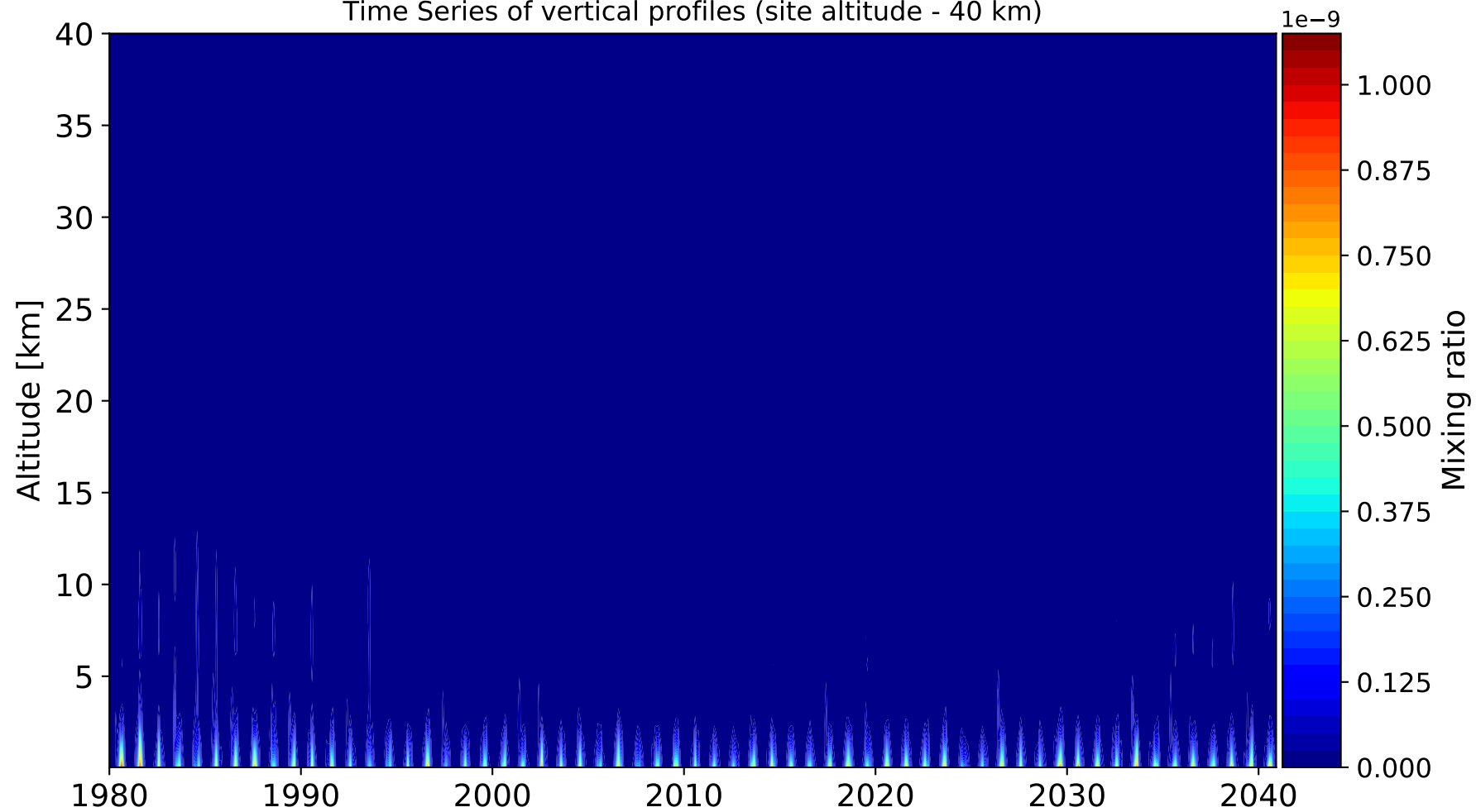


Time Series of vertical profiles (site altitude - 120 km)

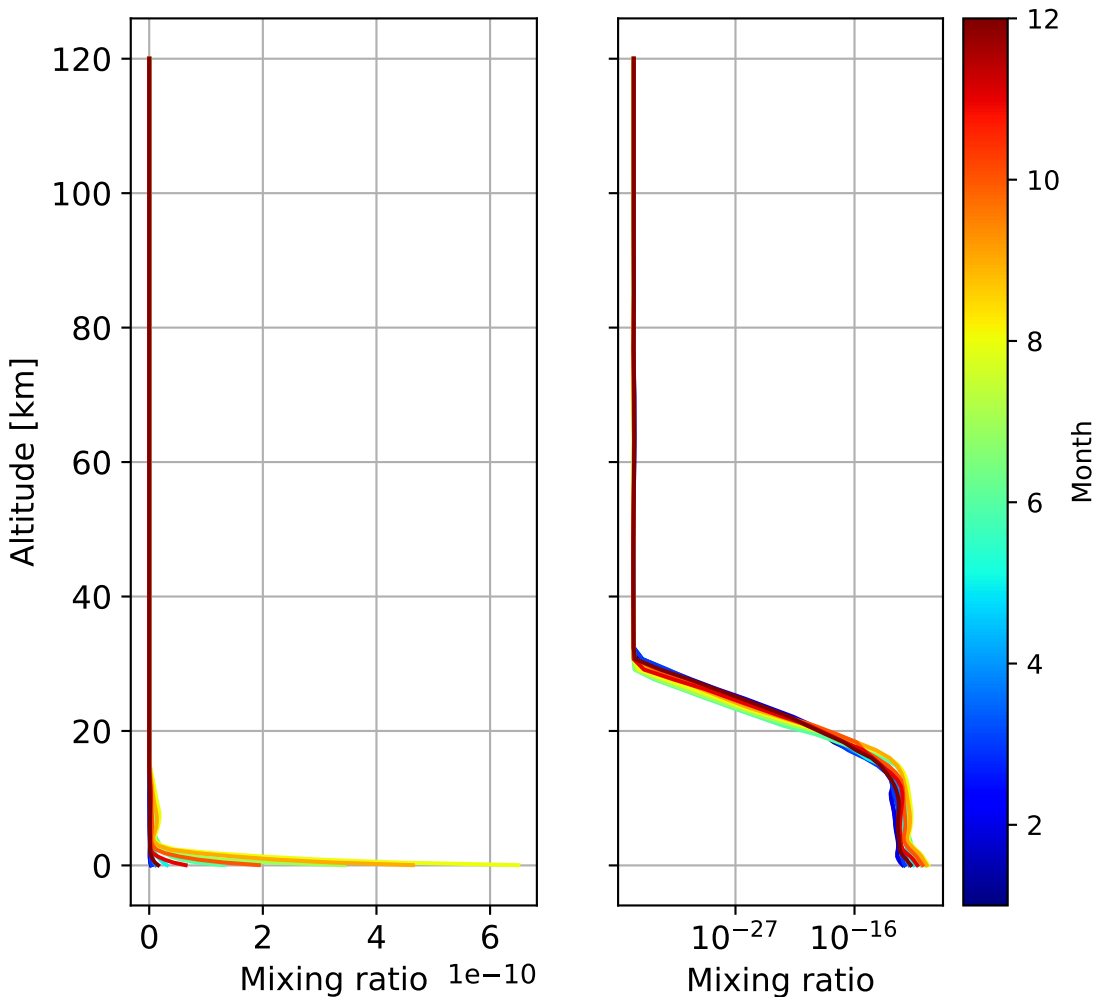
Altitude [km]



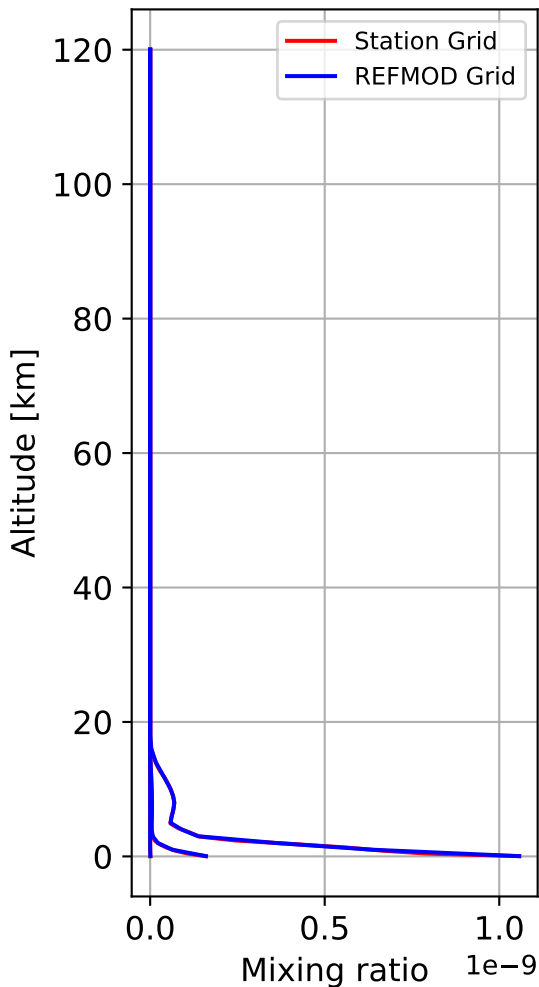
Time Series of vertical profiles (site altitude - 40 km)



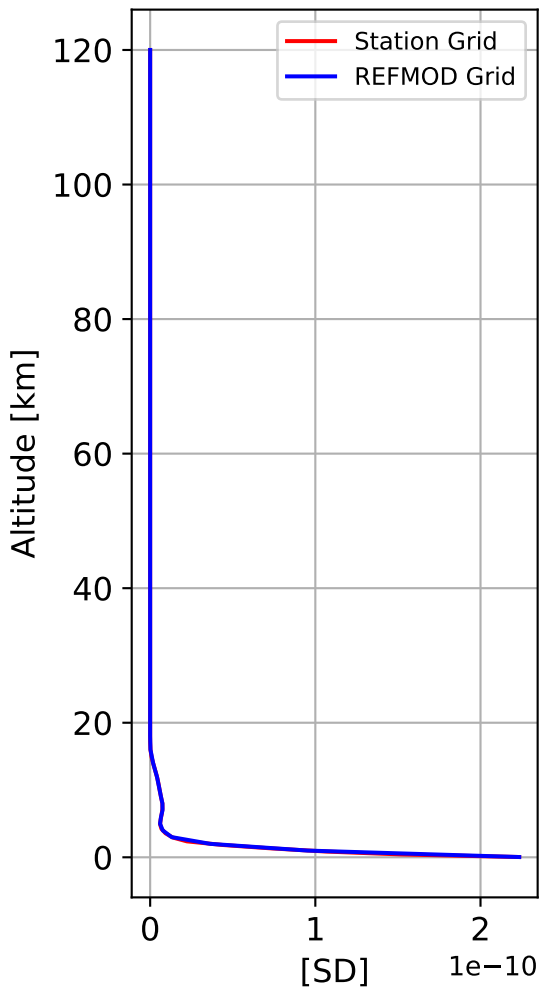
Monthly mean WACCM profile (interpolated to station grid)
Hefei, 31.9N, 117.17E, 0.04kmasl



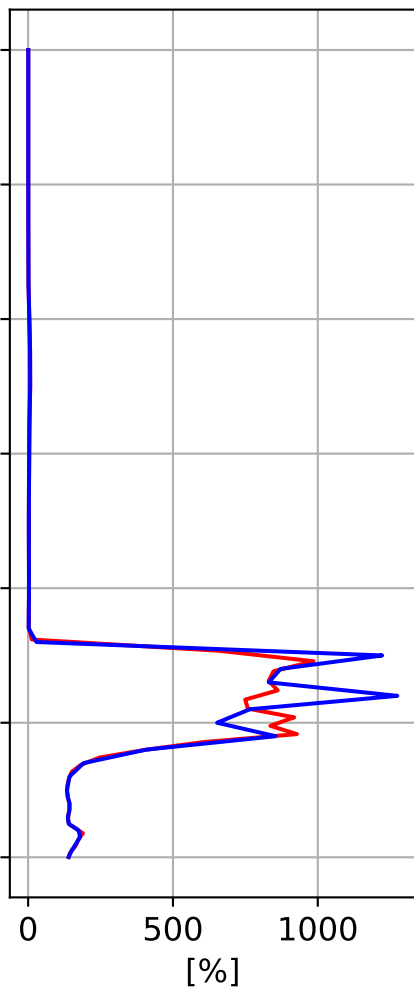
Min, Max, Mean of 732 profiles
Hefei, 31.9N, 117.17E, 0.04kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

1e-20

Altitude [km]

120
100
80
60
40
20

Altitude [km]

120
100
80
60
40
20Mixing ratio[~ 2]4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6
0.0