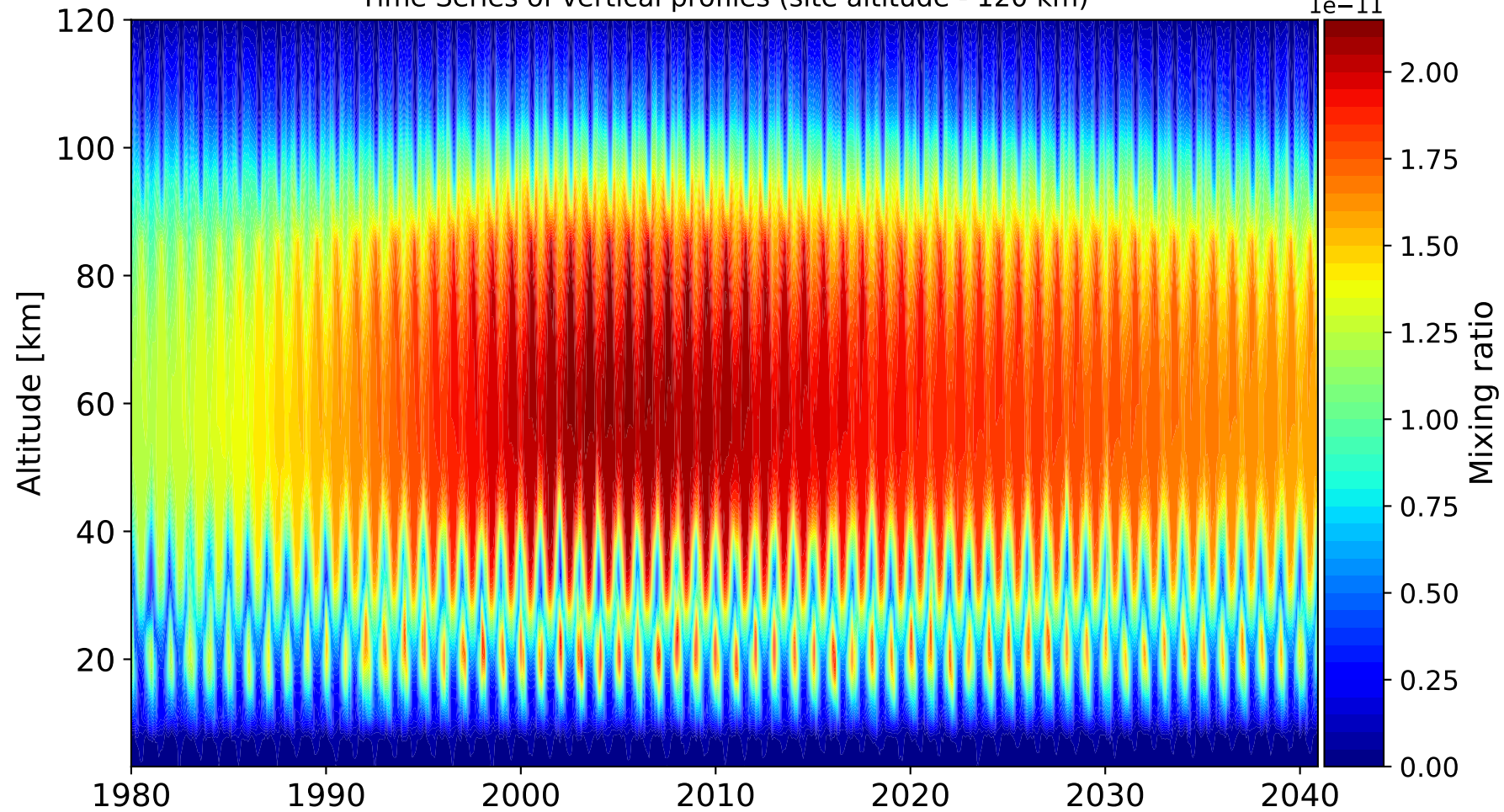
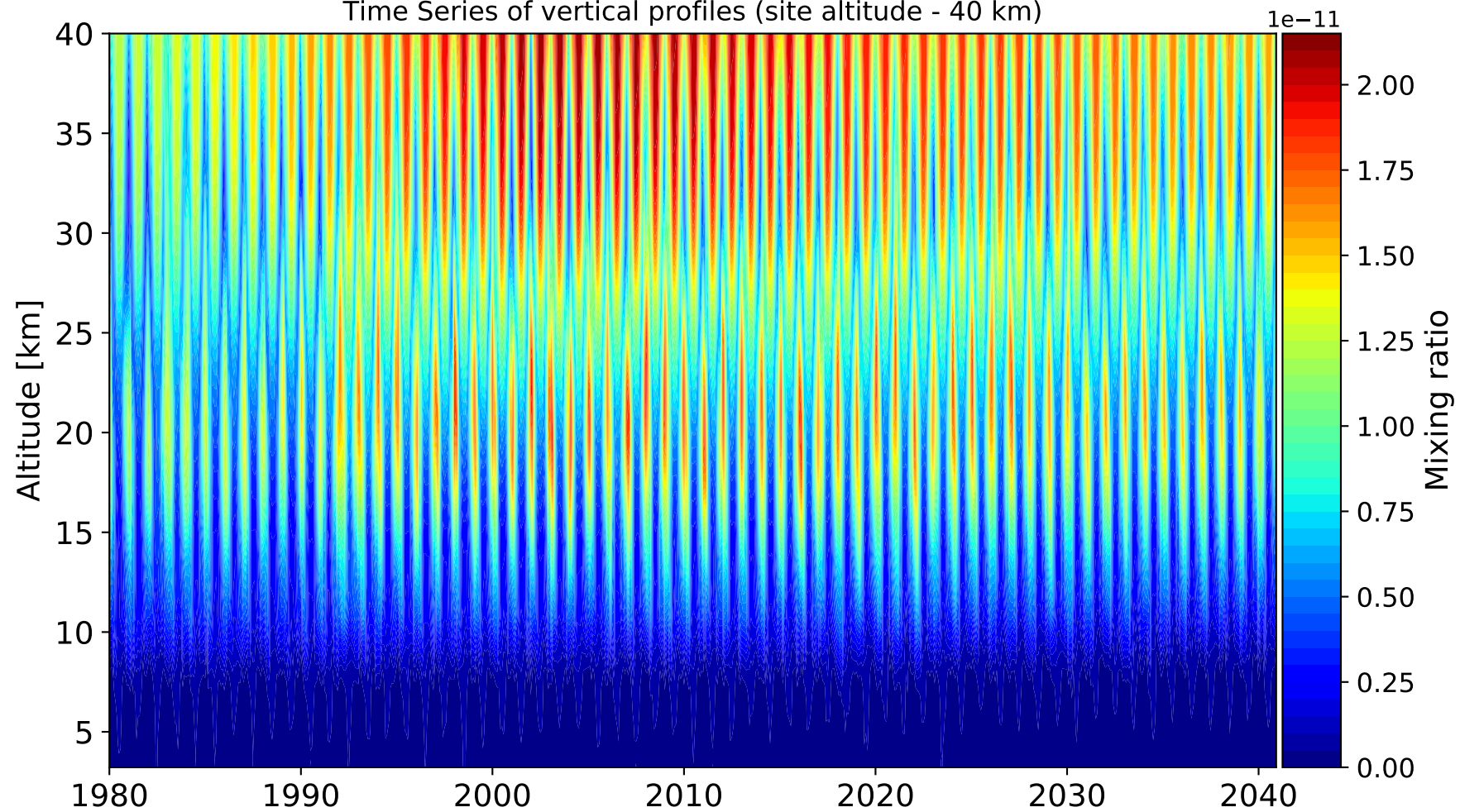


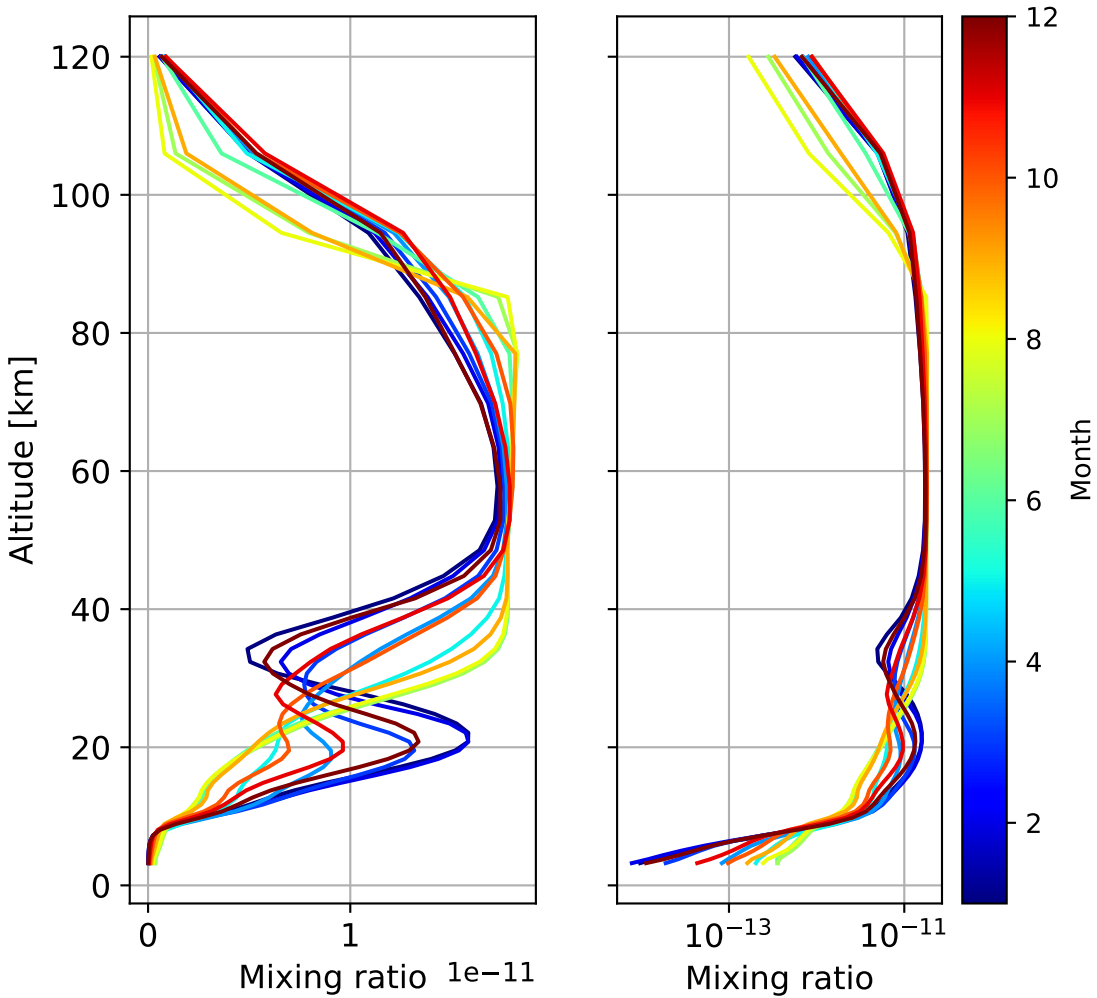
Time Series of vertical profiles (site altitude - 120 km)



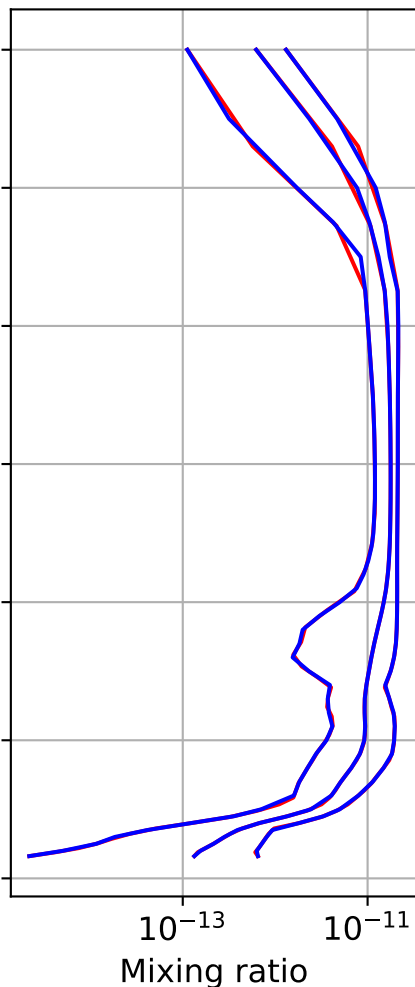
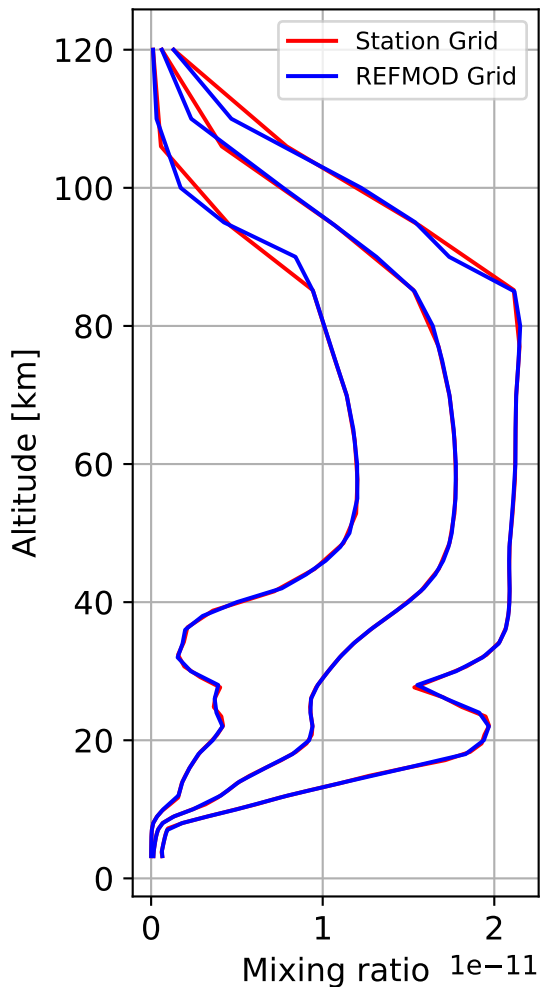
Time Series of vertical profiles (site altitude - 40 km)



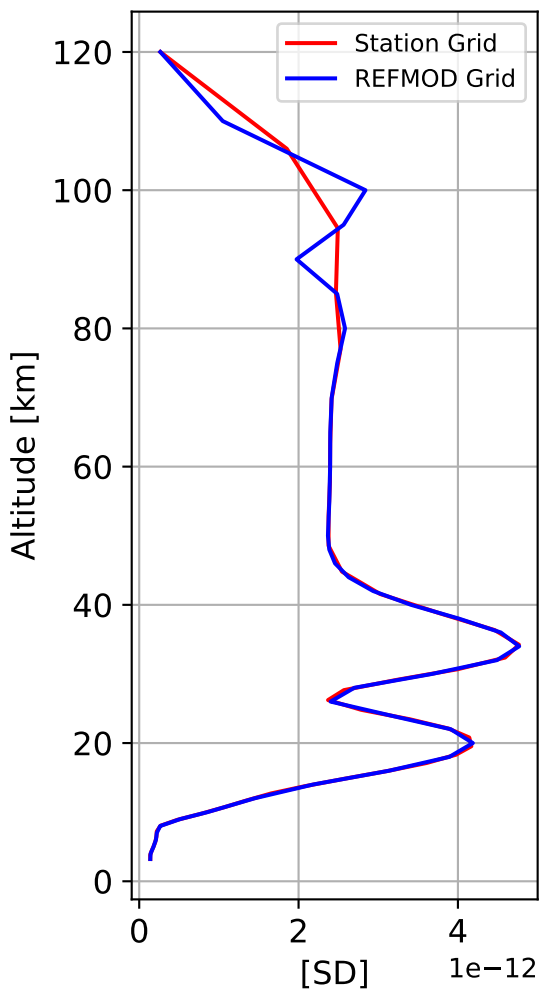
Monthly mean WACCM profile (interpolated to station grid) Summit, 72.5796N, 321.5408E, 3.22kmasl



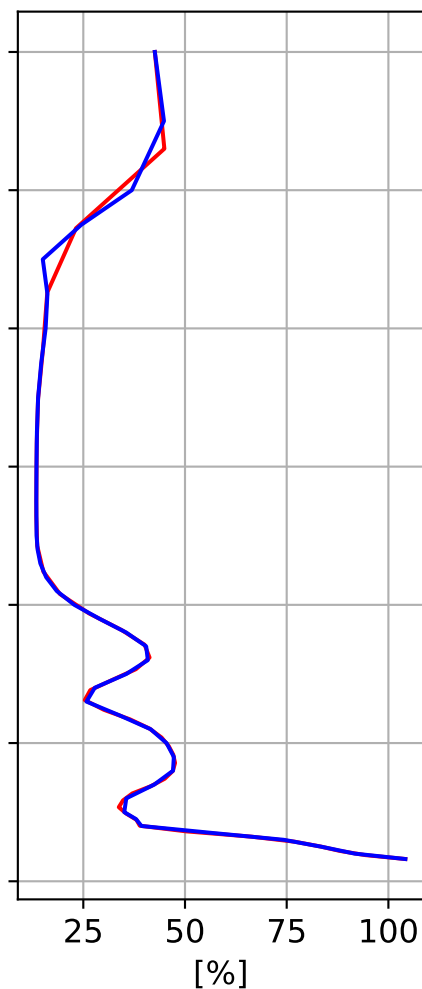
Min, Max, Mean of 732 profiles
Summit, 72.5796N, 321.5408E, 3.22kmasl



Std. Deviation



Percent Deviation

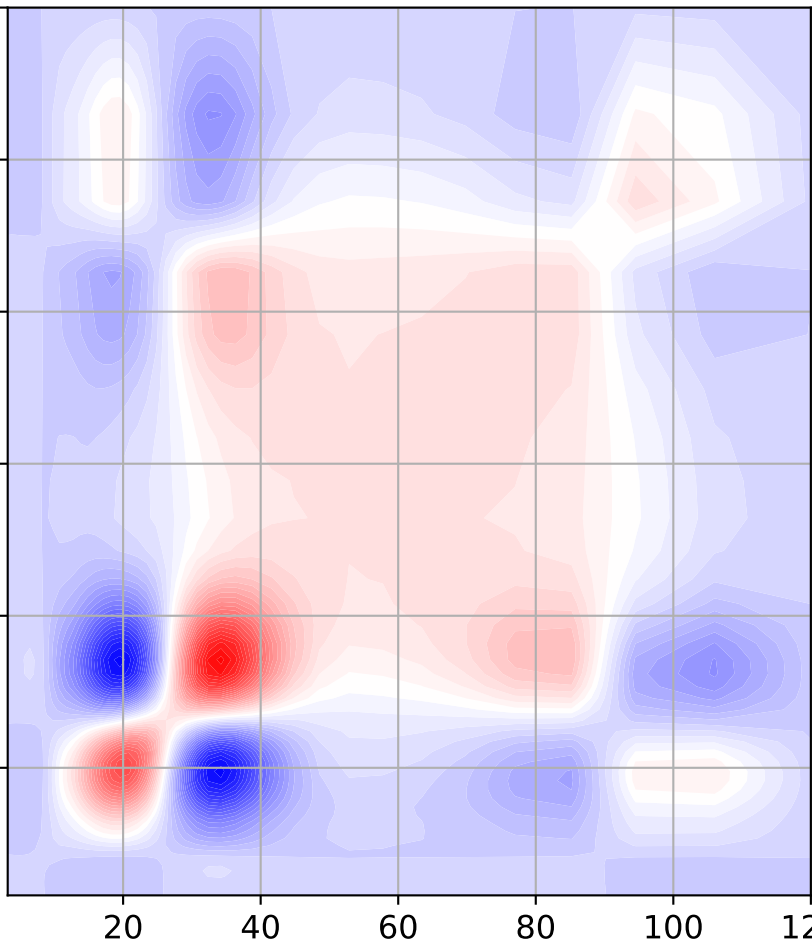


Level covariance matrix

1e-23

Altitude [km]

120
100
80
60
40
20



Altitude [km]

Mixing ratio[~ 2]

2.0
1.6
1.2
0.8
0.4
0.0
-0.4
-0.8
-1.2
-1.6