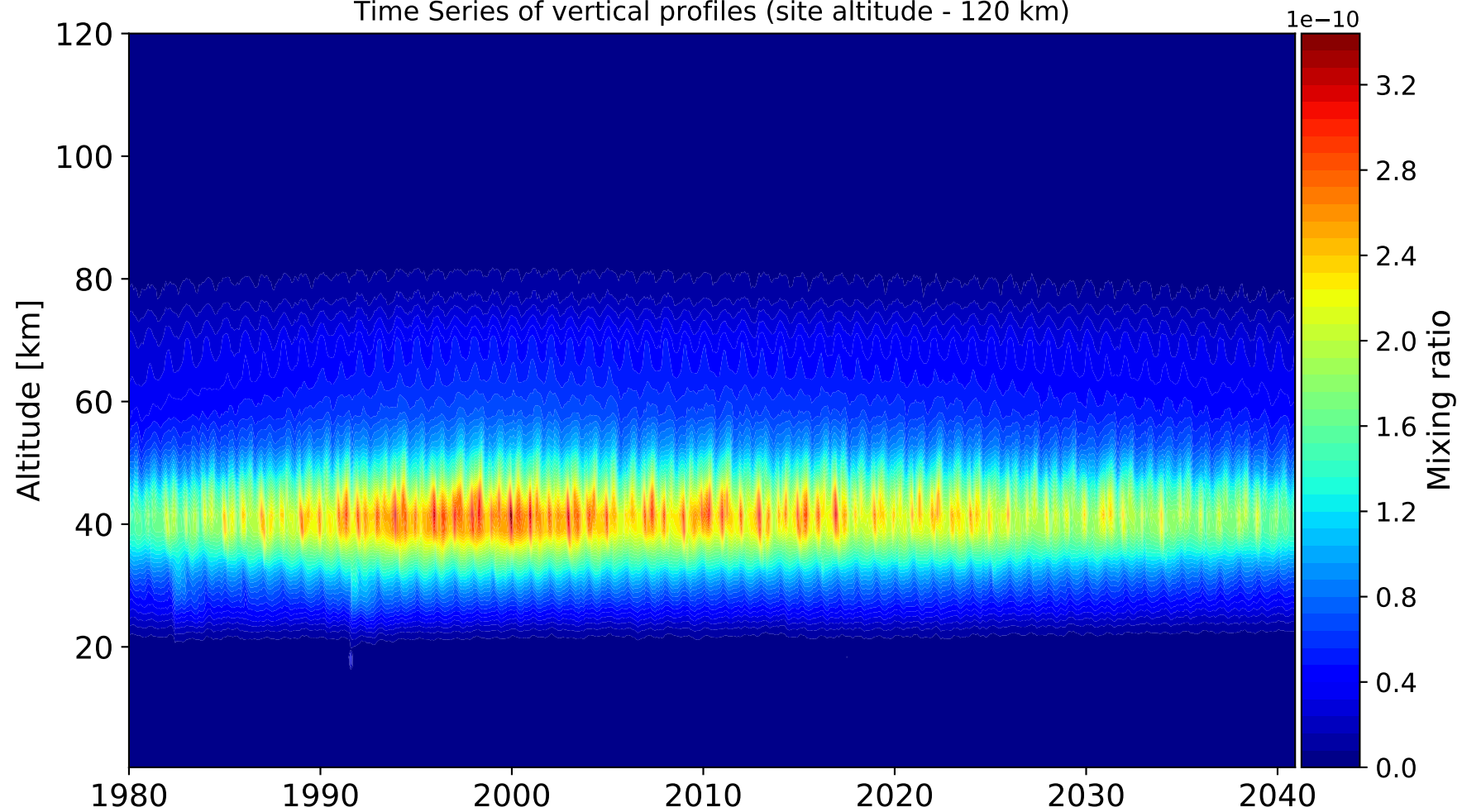
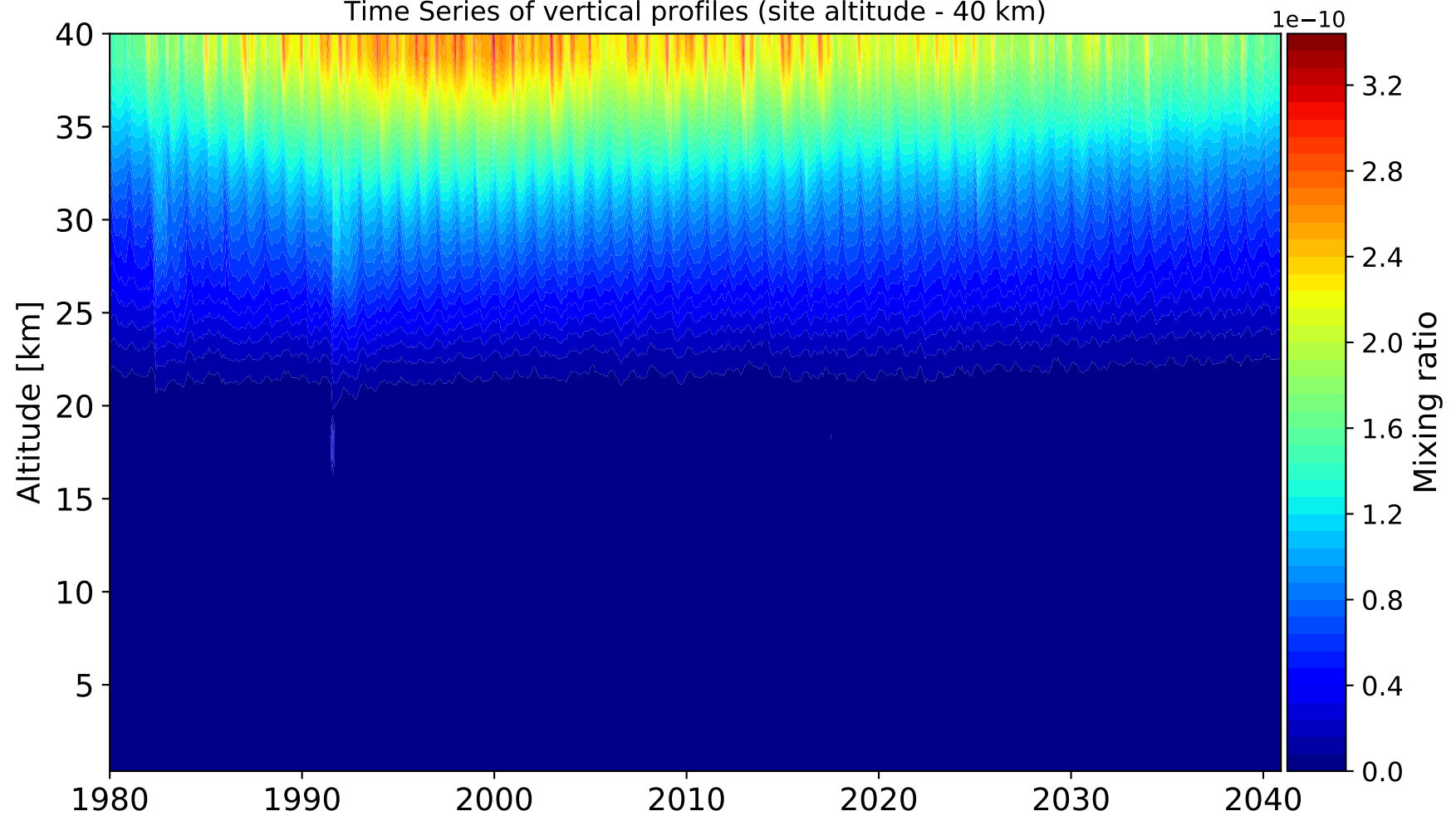


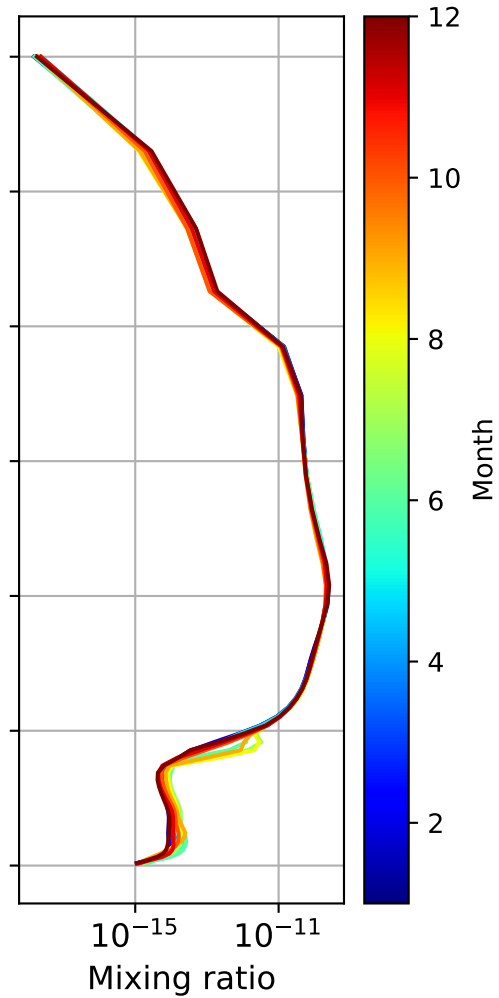
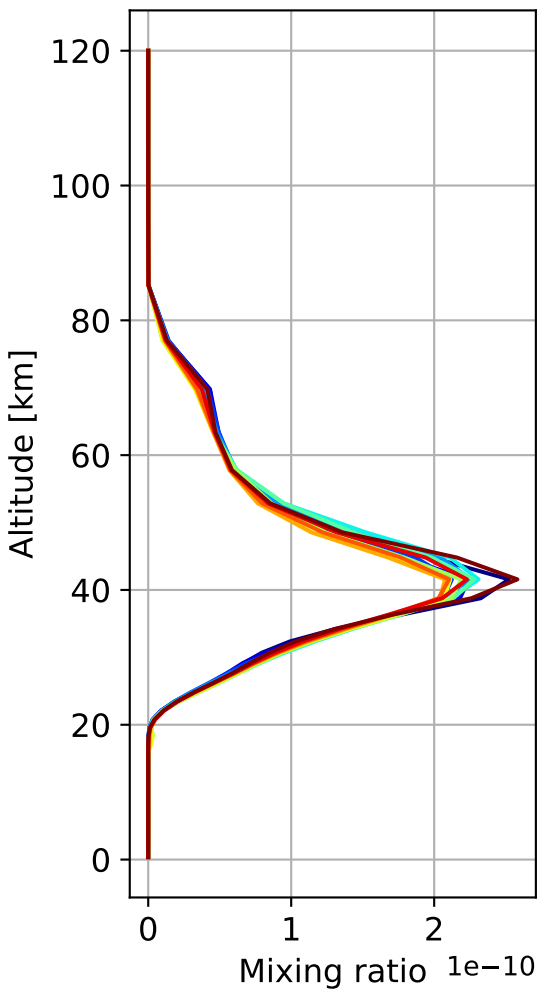
Time Series of vertical profiles (site altitude - 120 km)



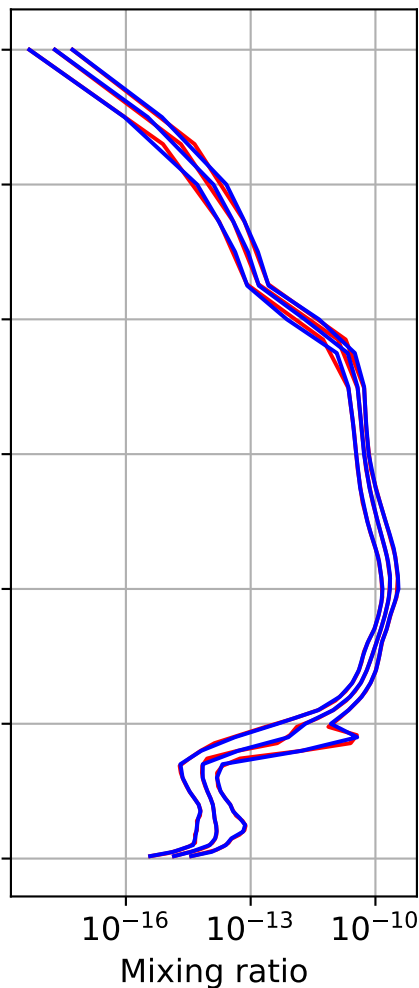
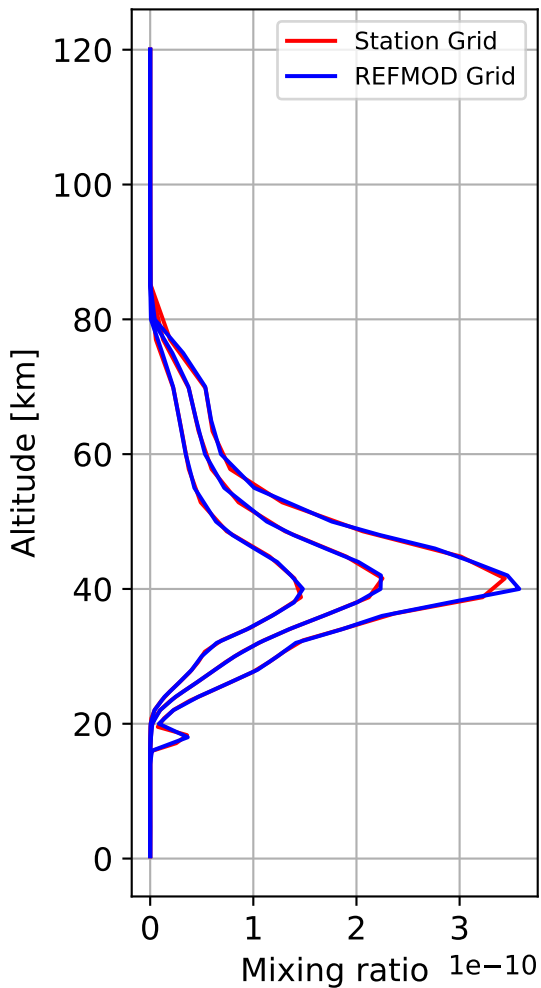
Time Series of vertical profiles (site altitude - 40 km)



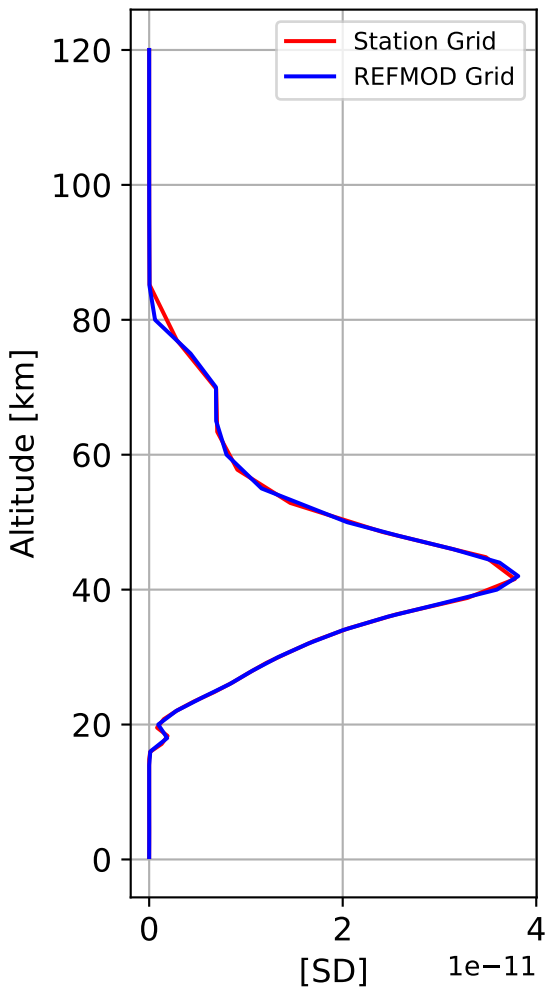
Monthly mean WACCM profile (interpolated to station grid) Gadanki, 13.45N, 79.18E, 0.36kmasl



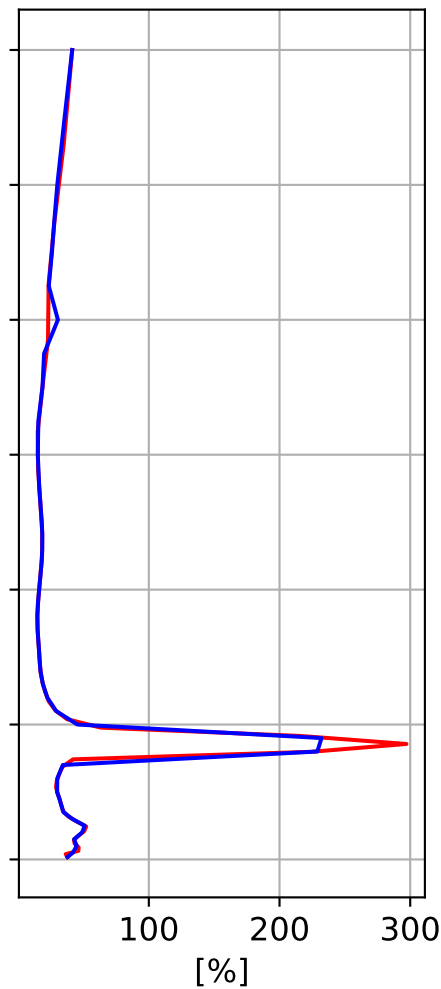
Min, Max, Mean of 732 profiles
Gadanki, 13.45N, 79.18E, 0.36kmasl



Std. Deviation



Percent Deviation

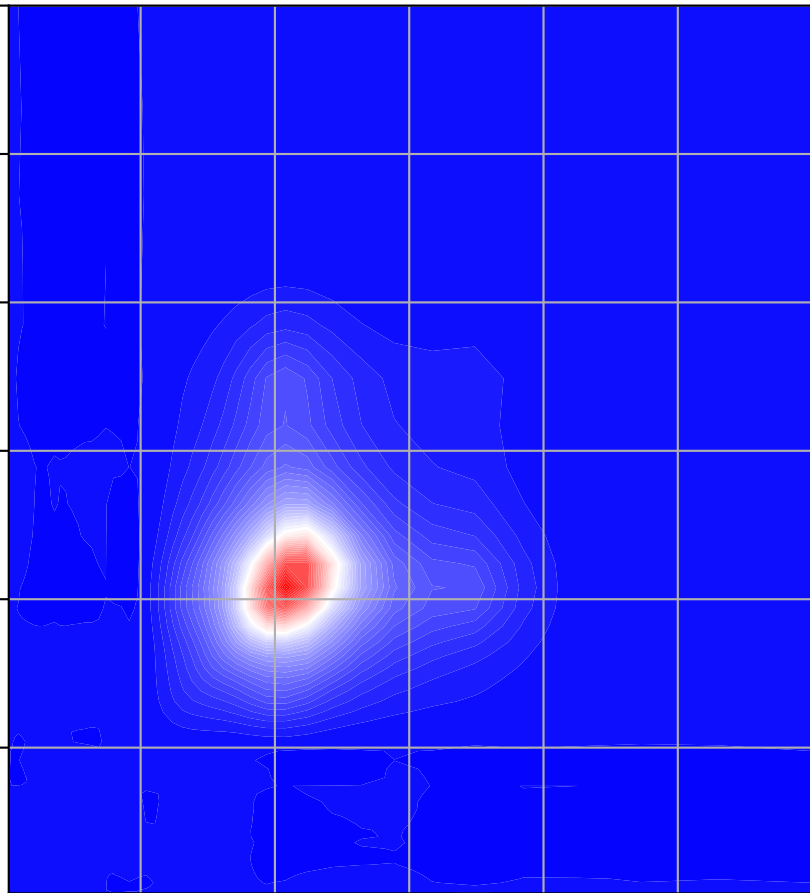


Level covariance matrix

1e-21

Altitude [km]

120
100
80
60
40
20



1.35
1.20
1.05
0.90
0.75
0.60
0.45
0.30
0.15
0.00

Mixing ratio[~ 2]

20 40 60 80 100 120

Altitude [km]