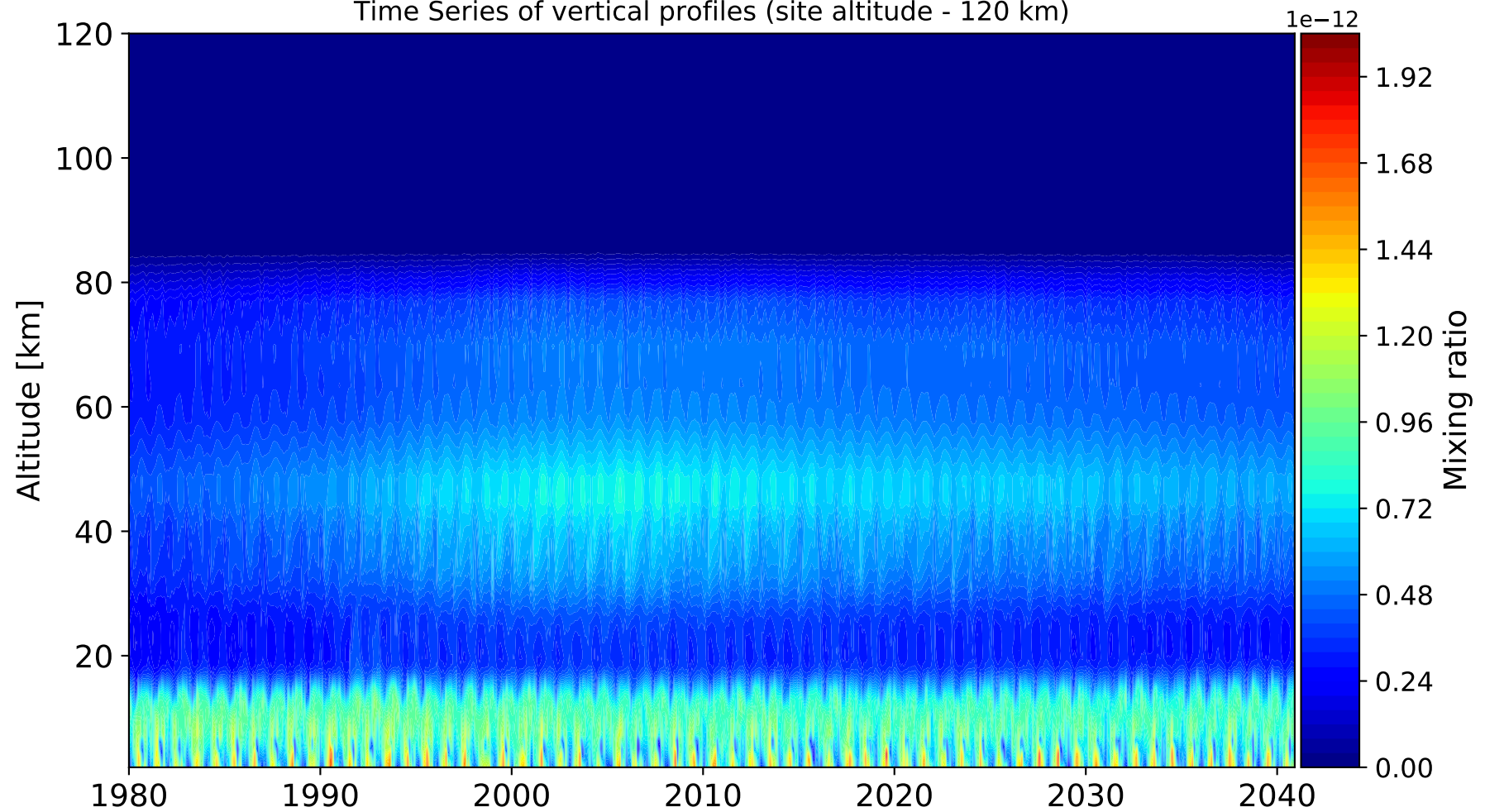
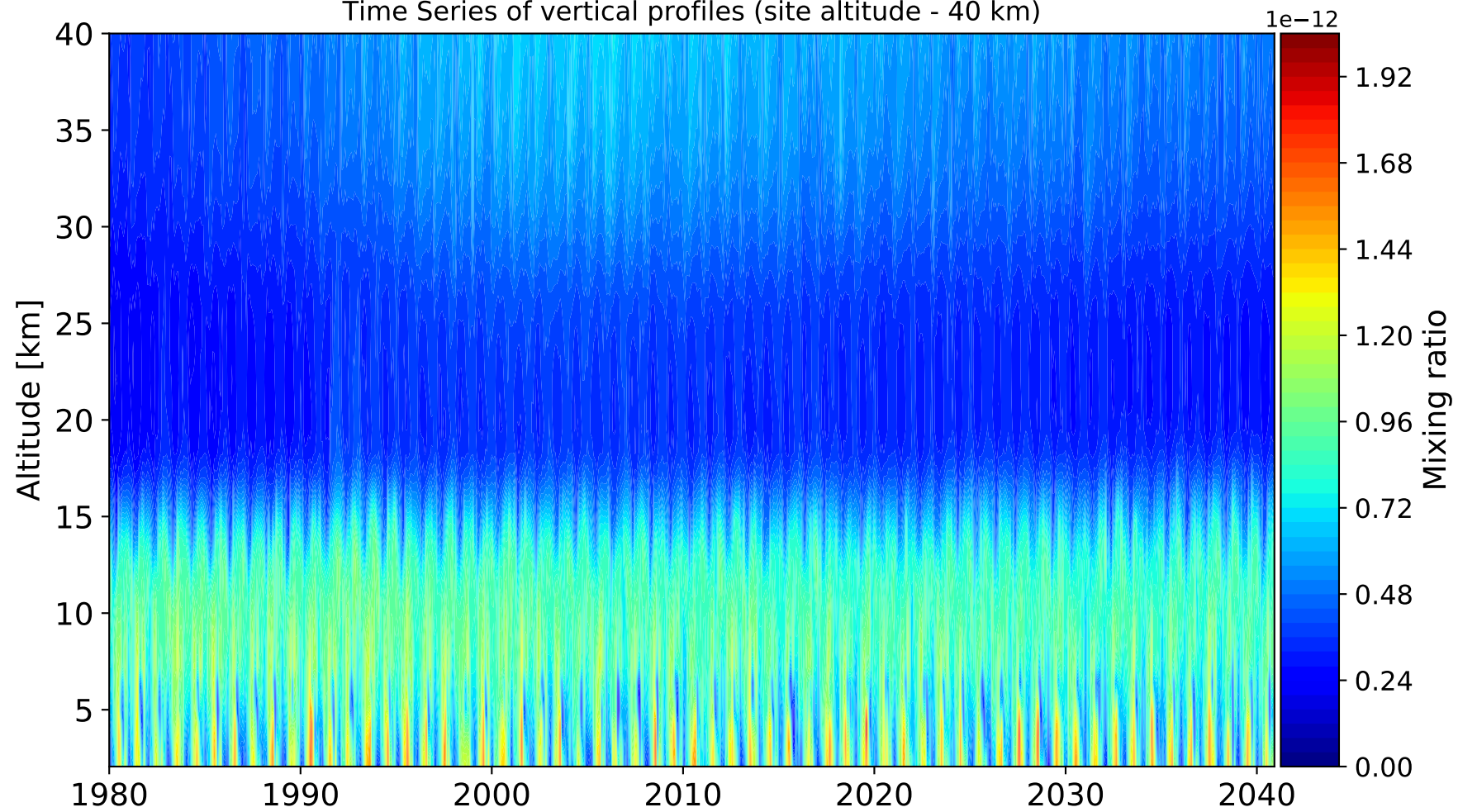


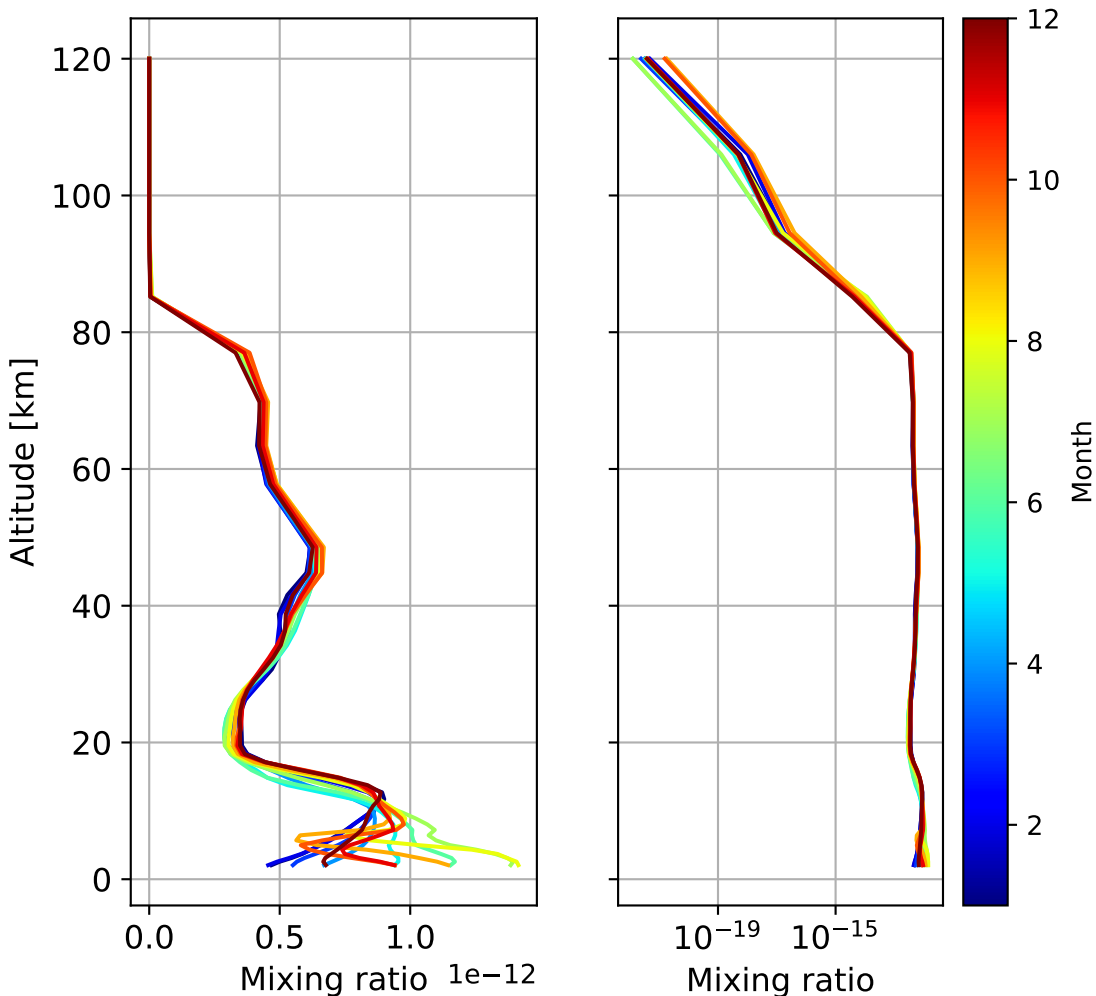
Time Series of vertical profiles (site altitude - 120 km)



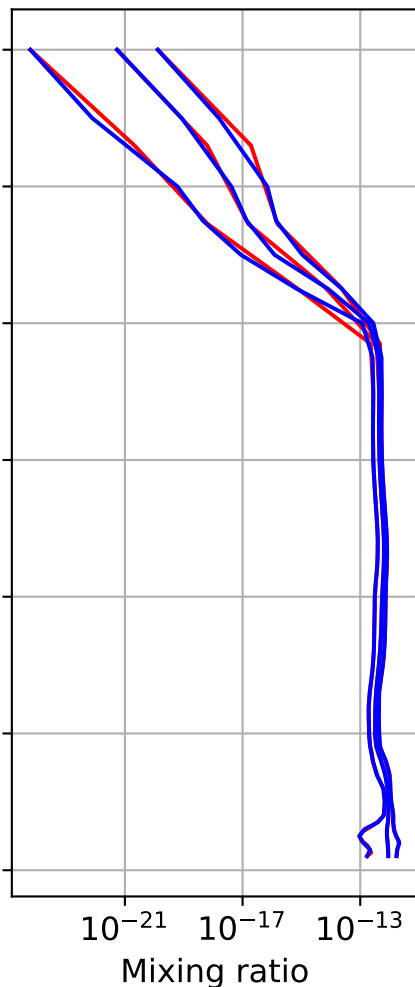
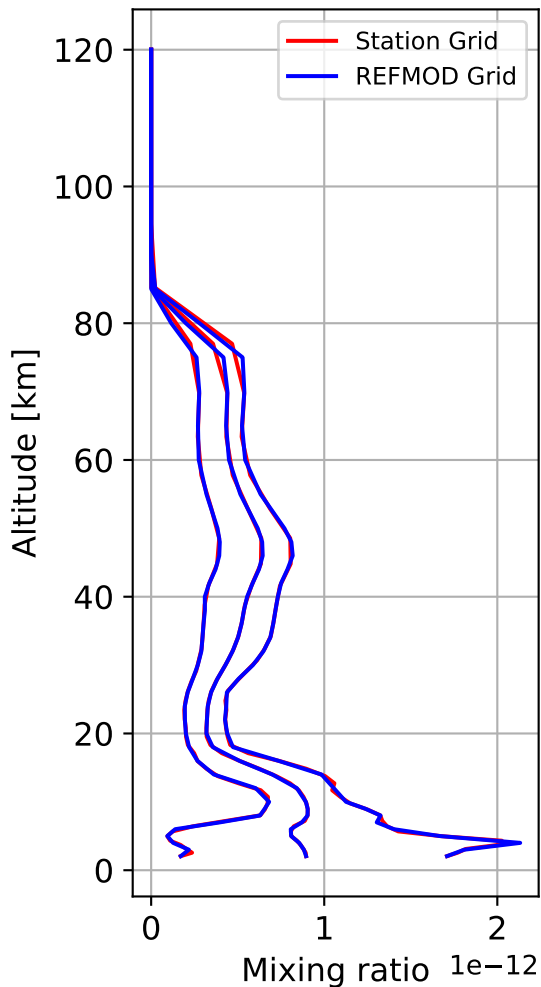
Time Series of vertical profiles (site altitude - 40 km)



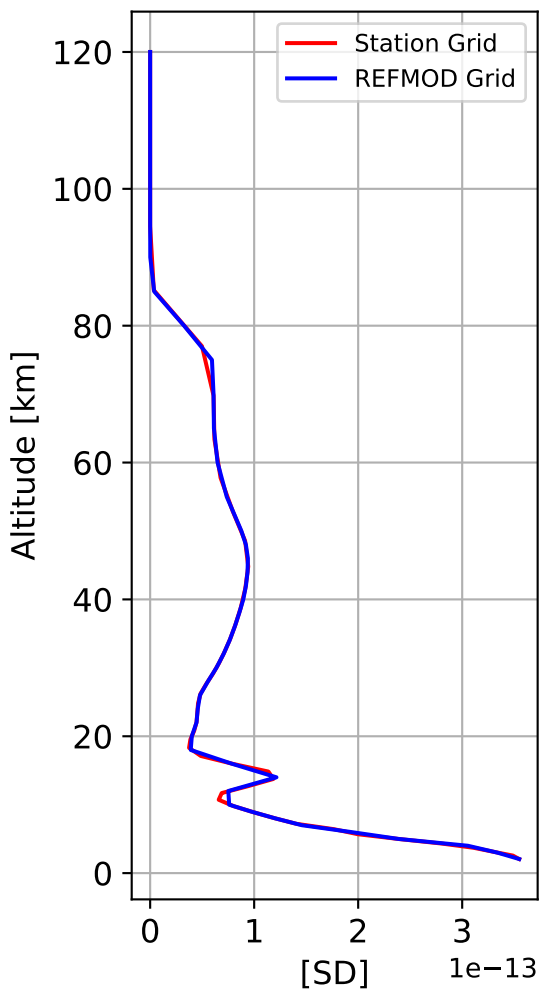
Monthly mean WACCM profile (interpolated to station grid) Kitt_Peak, 31.96N, 248.41E, 2.06kmasl



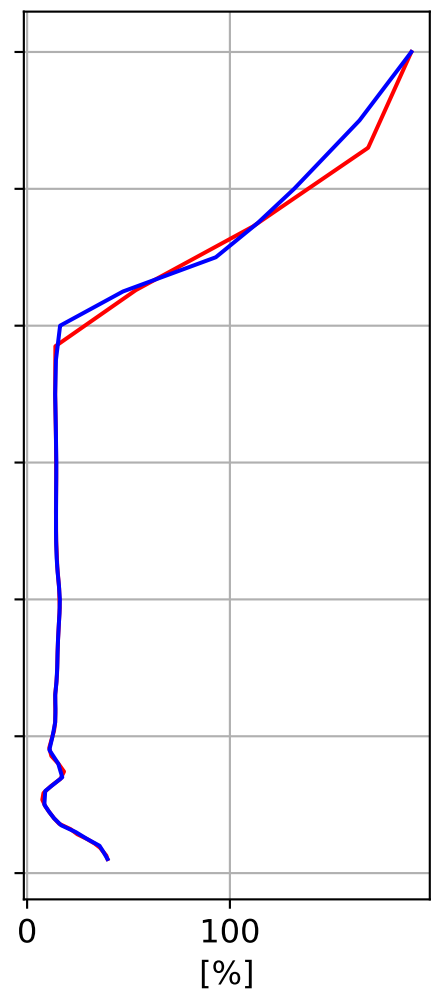
Min, Max, Mean of 732 profiles
Kitt_Peak, 31.96N, 248.41E, 2.06kmasl



Std. Deviation



Percent Deviation

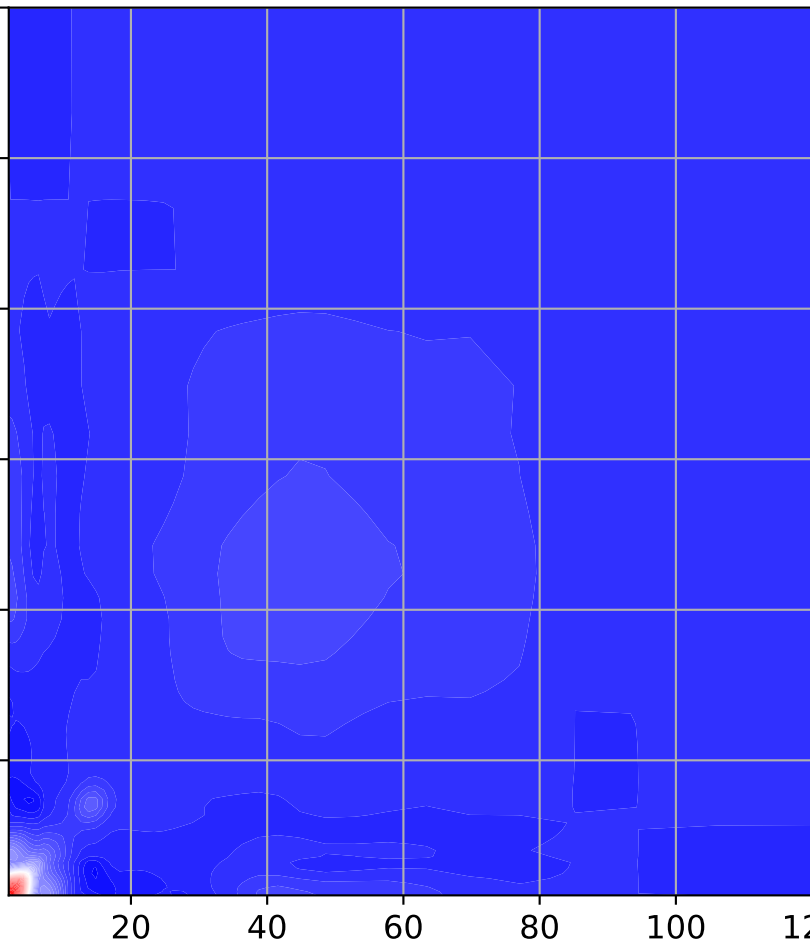


Level covariance matrix

1e-25

Altitude [km]

120
100
80
60
40
20



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]