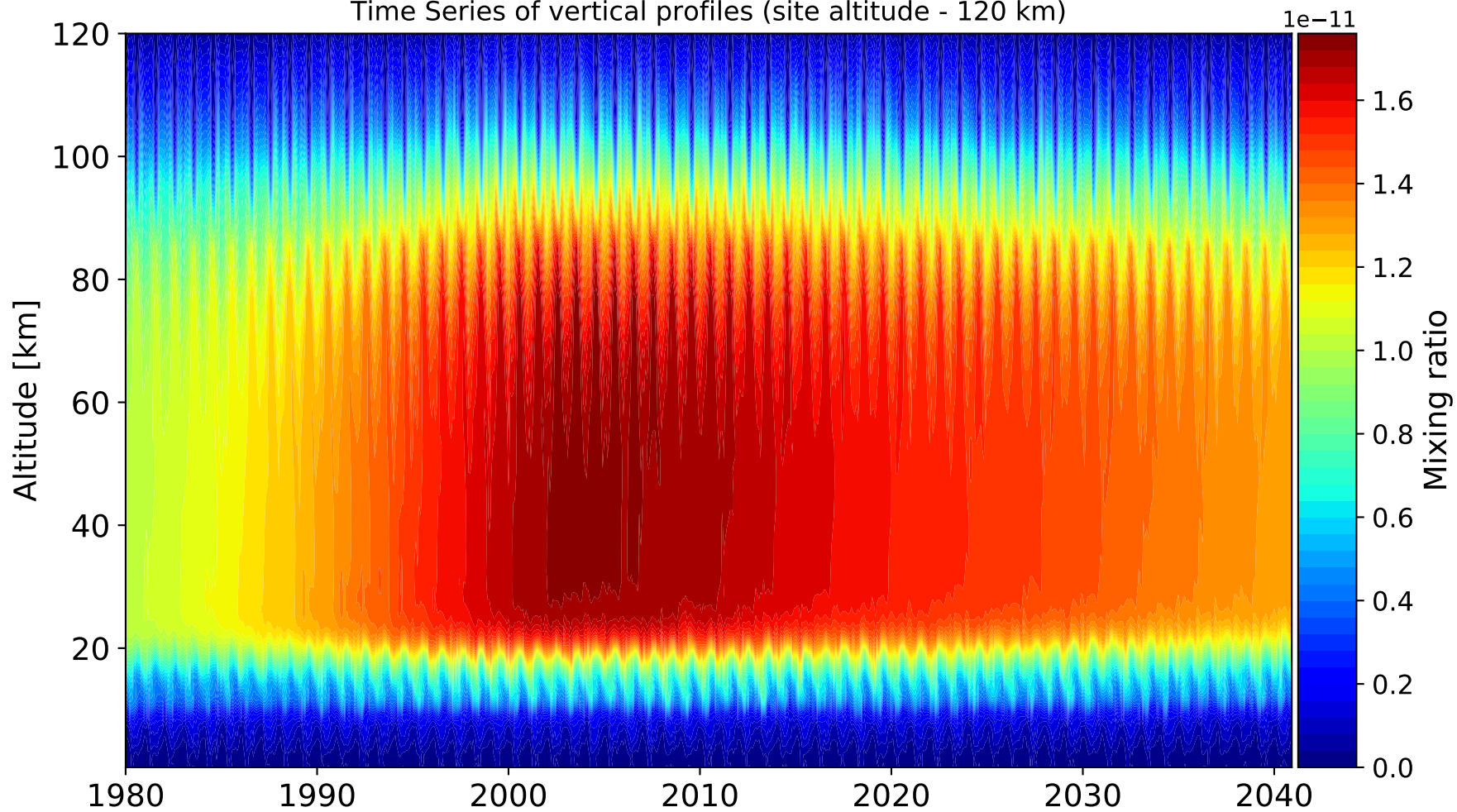
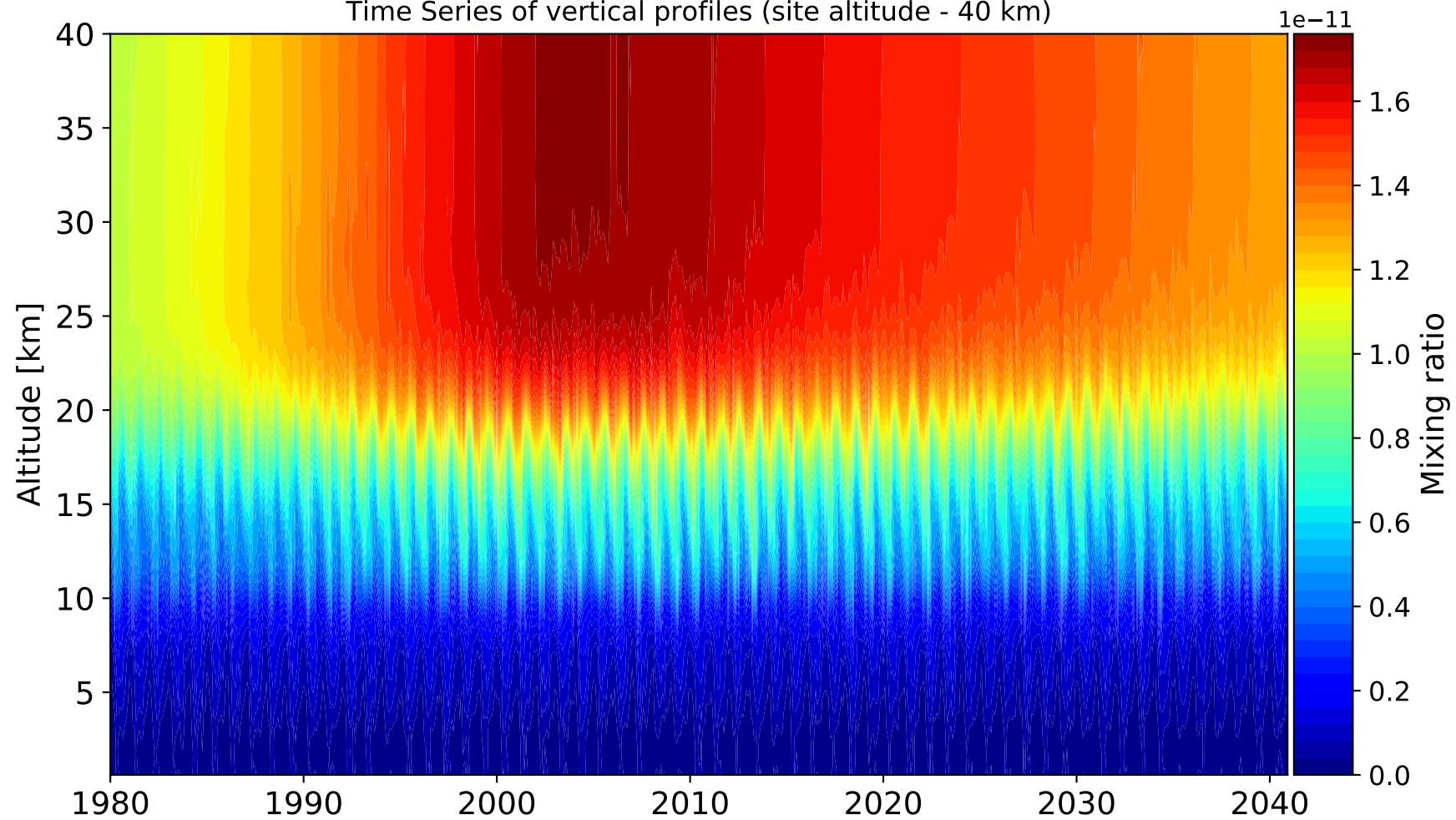


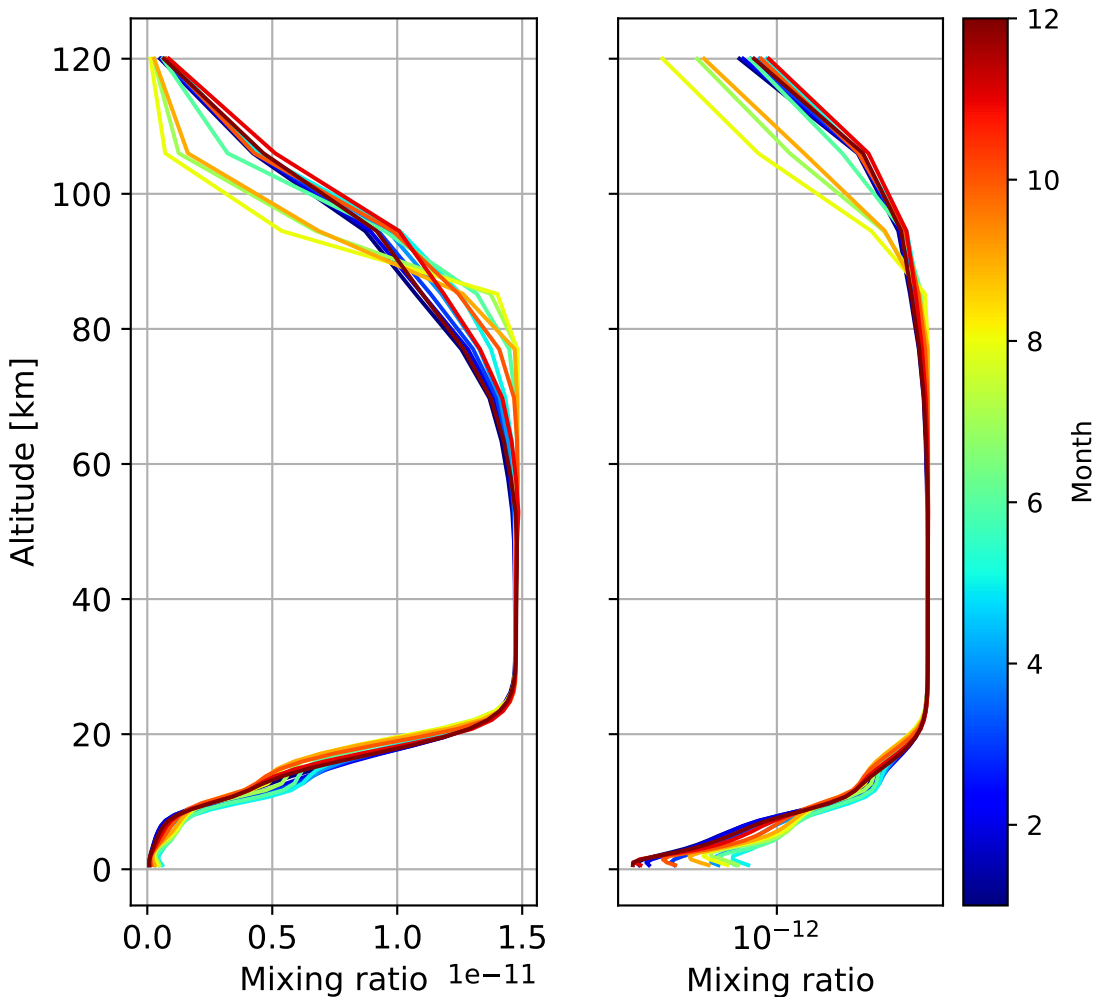
Time Series of vertical profiles (site altitude - 120 km)



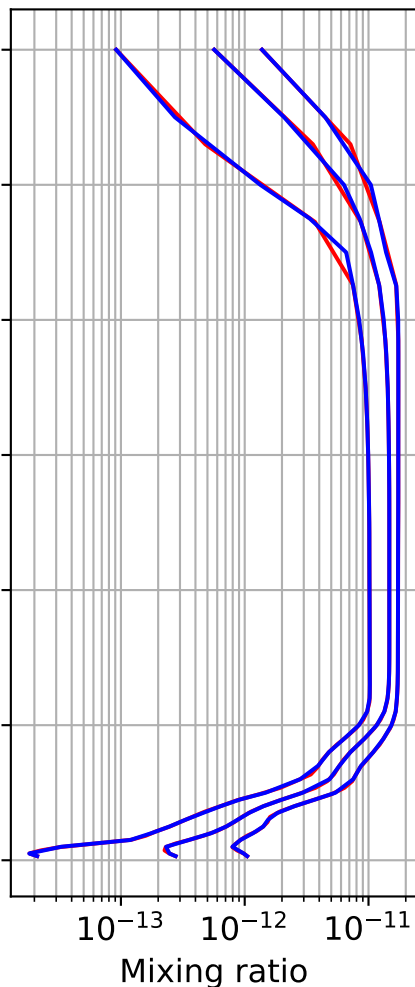
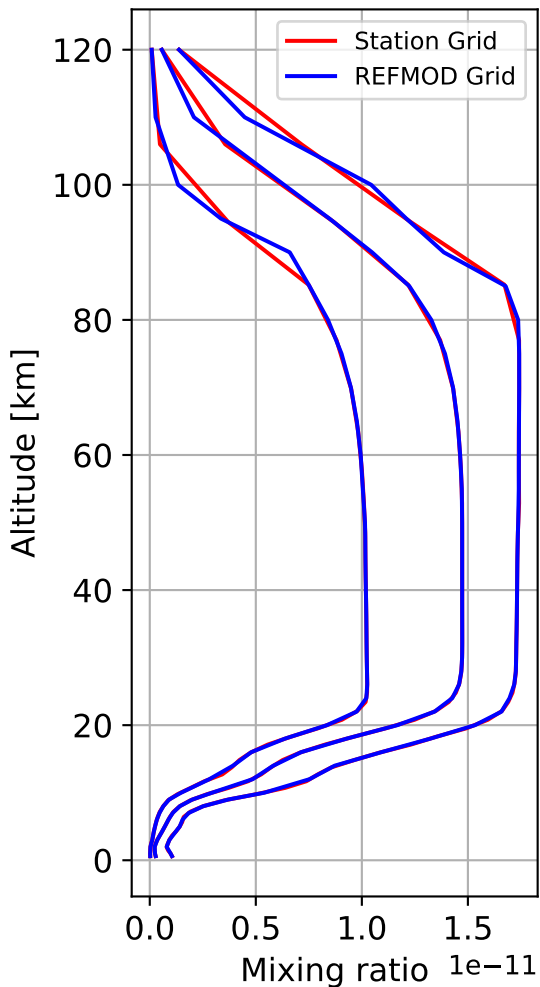
Time Series of vertical profiles (site altitude - 40 km)



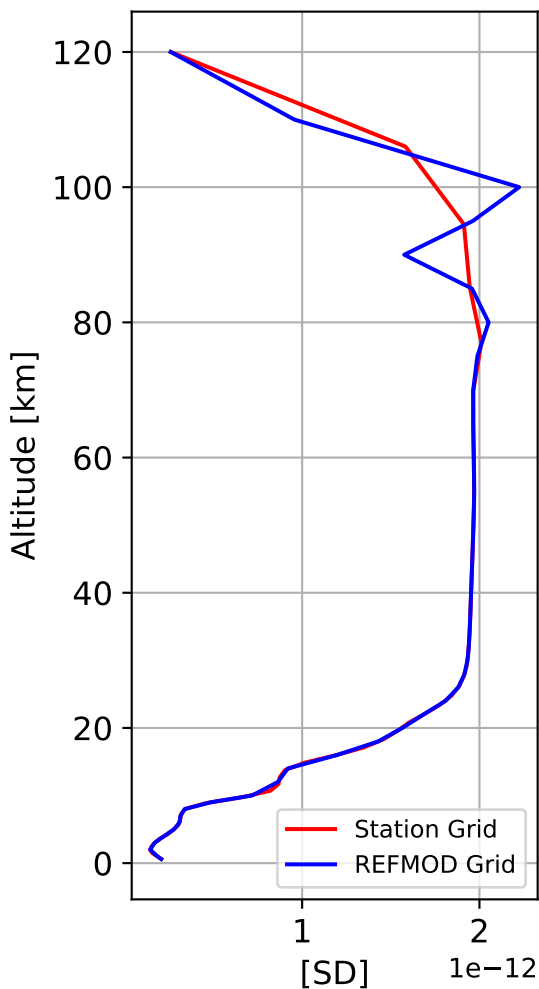
Monthly mean WACCM profile (interpolated to station grid)
Poker_Flat, 65.12N, 212.57E, 0.61kmasl



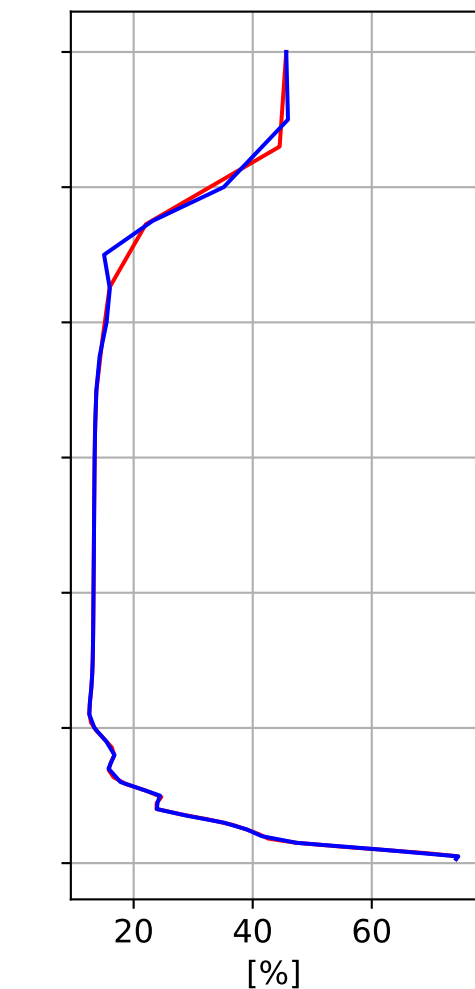
Min, Max, Mean of 732 profiles
Poker_Flat, 65.12N, 212.57E, 0.61kmasl



Std. Deviation



Percent Deviation

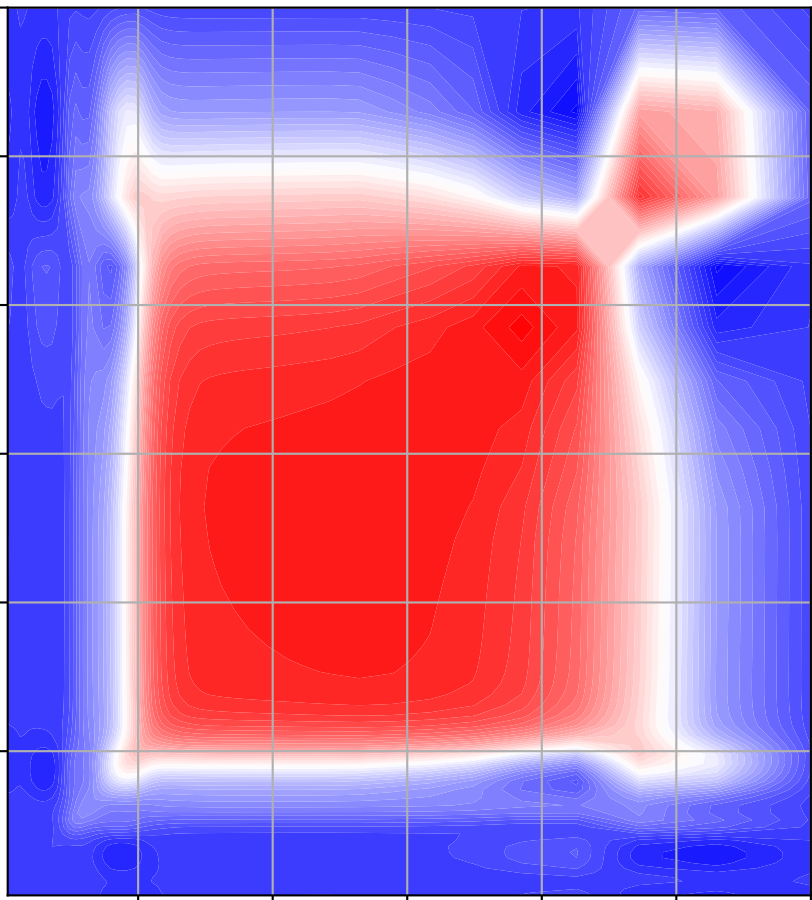


Level covariance matrix

1e-24

Altitude [km]

120
100
80
60
40
20



4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5

Mixing ratio[²]

Altitude [km]