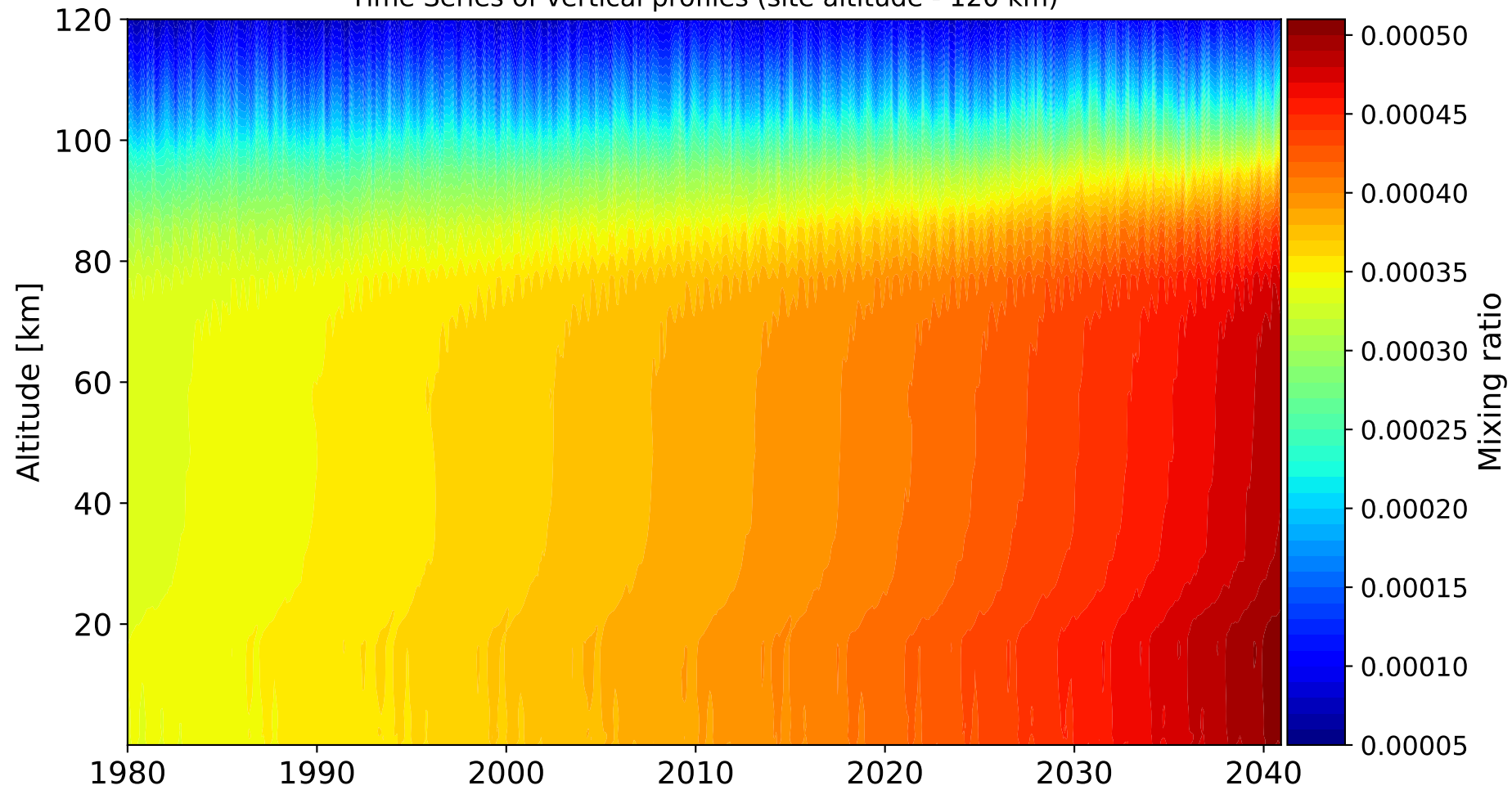
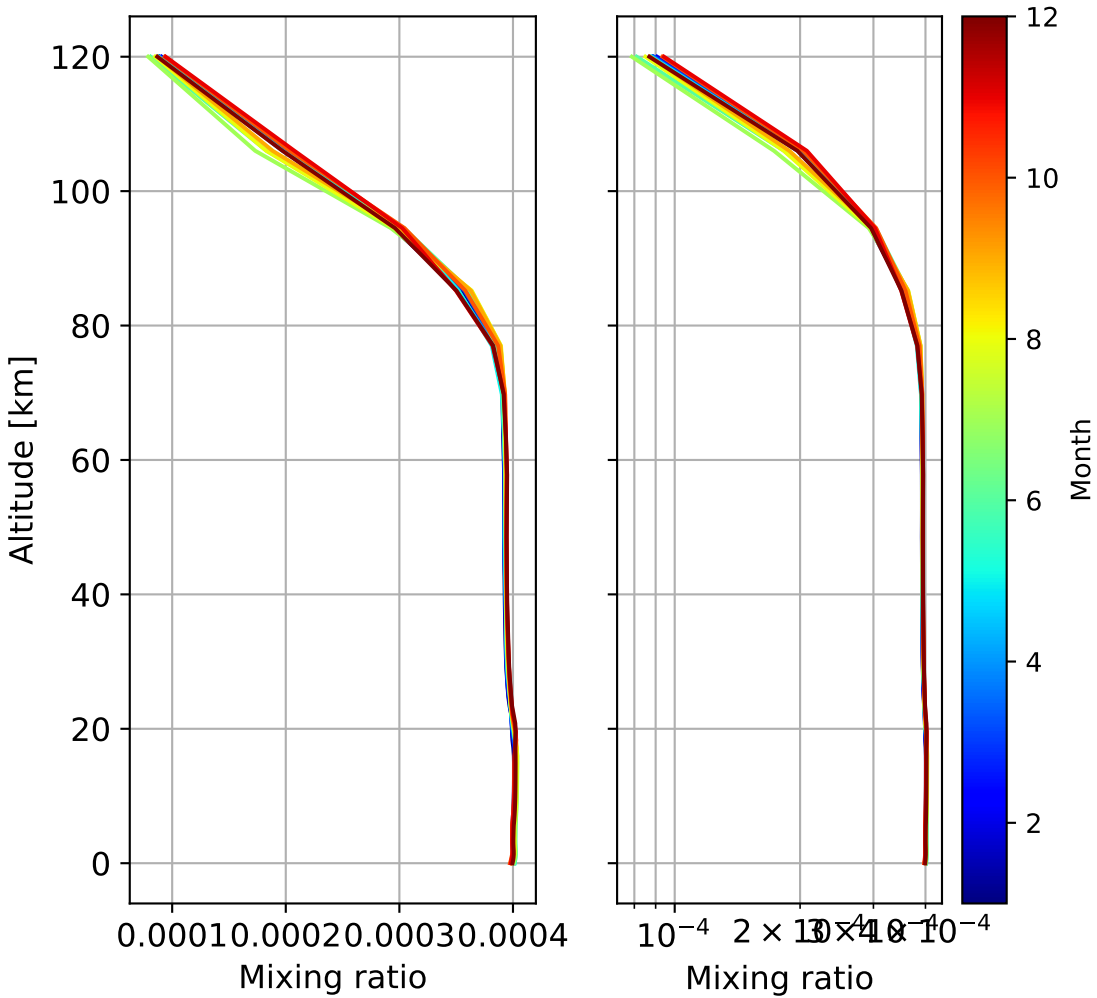


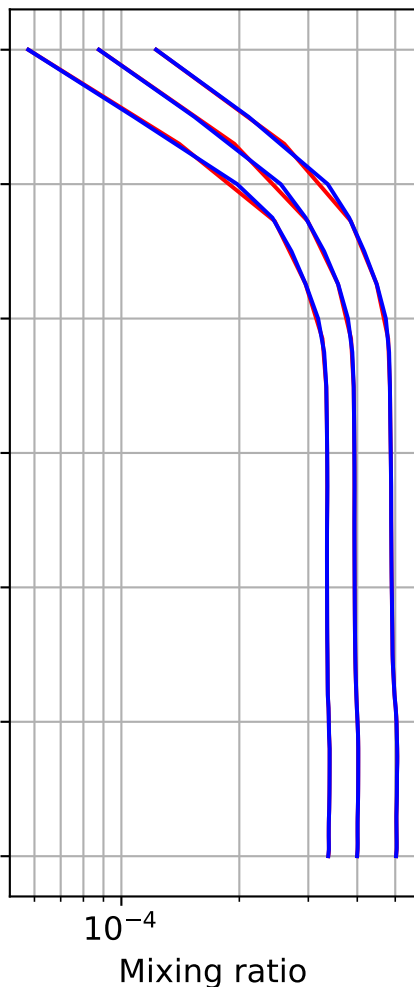
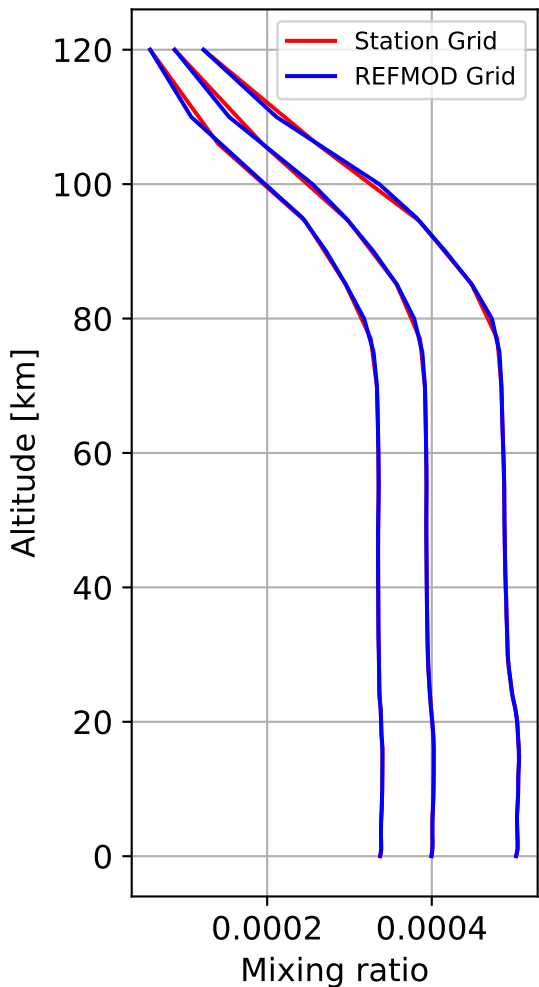
Time Series of vertical profiles (site altitude - 120 km)



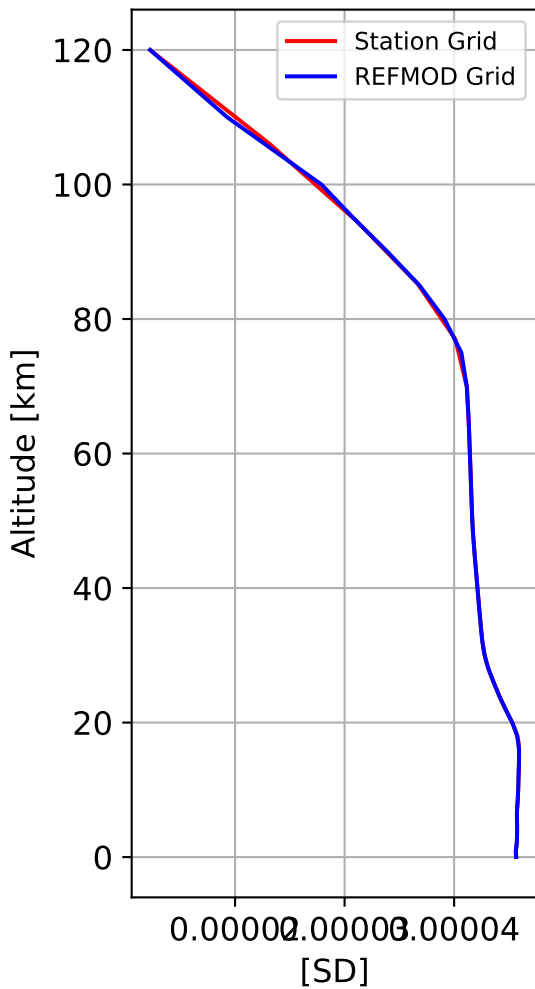
Monthly mean WACCM profile (interpolated to station grid)
Palau, 7.342N, 134.4273E, 0.01kmasl



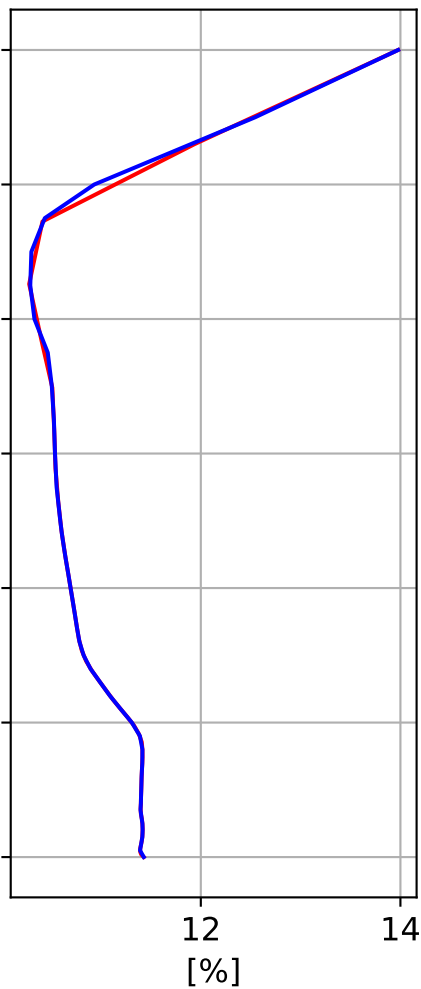
Min, Max, Mean of 732 profiles
Palau, 7.342N, 134.4273E, 0.01kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

 $1e-9$

Altitude [km]

120
100
80
60
40
20

Altitude [km]

Mixing ratio[~ 2]2.04
1.80
1.56
1.32
1.08
0.84
0.60
0.36
0.12