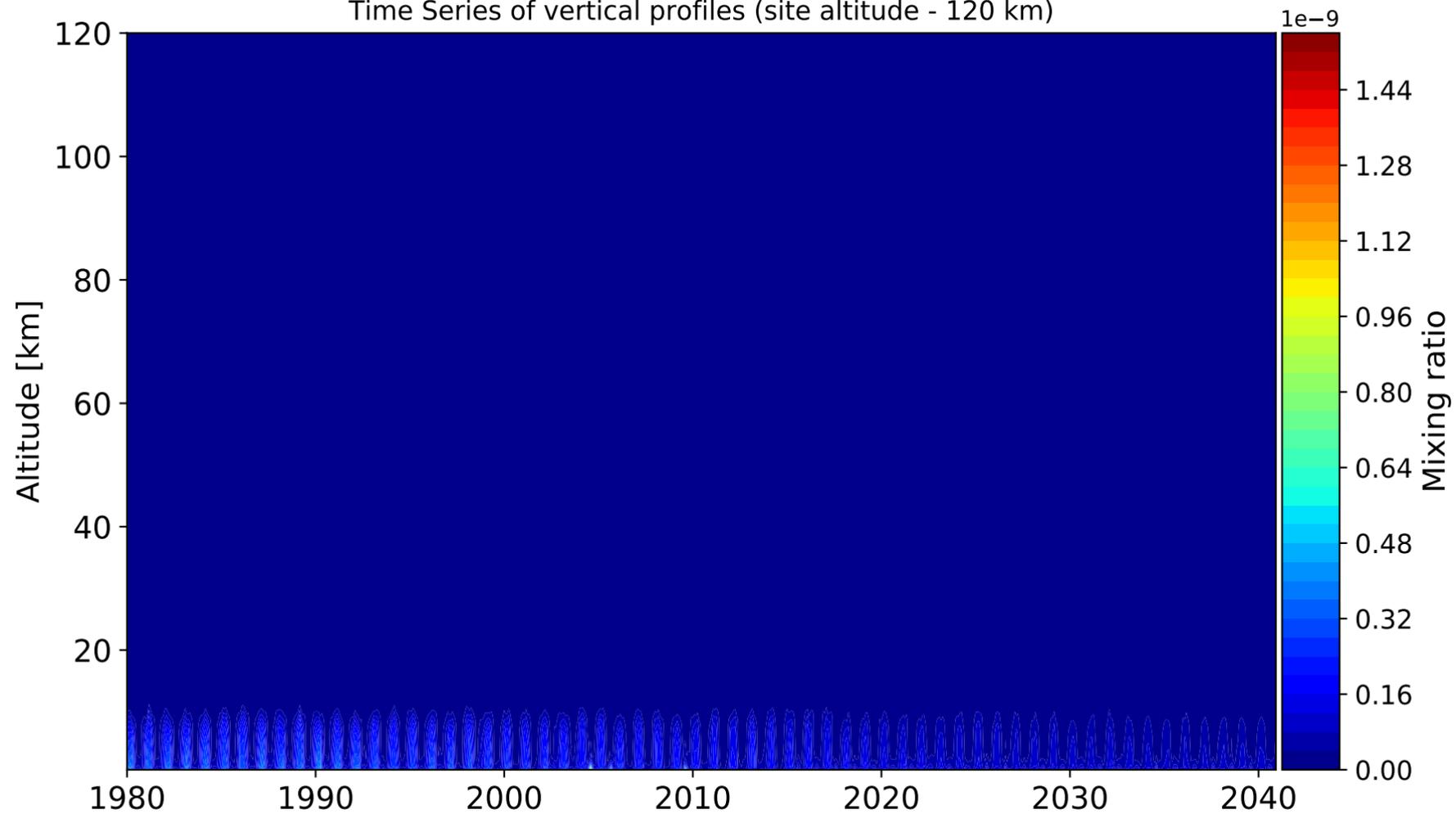
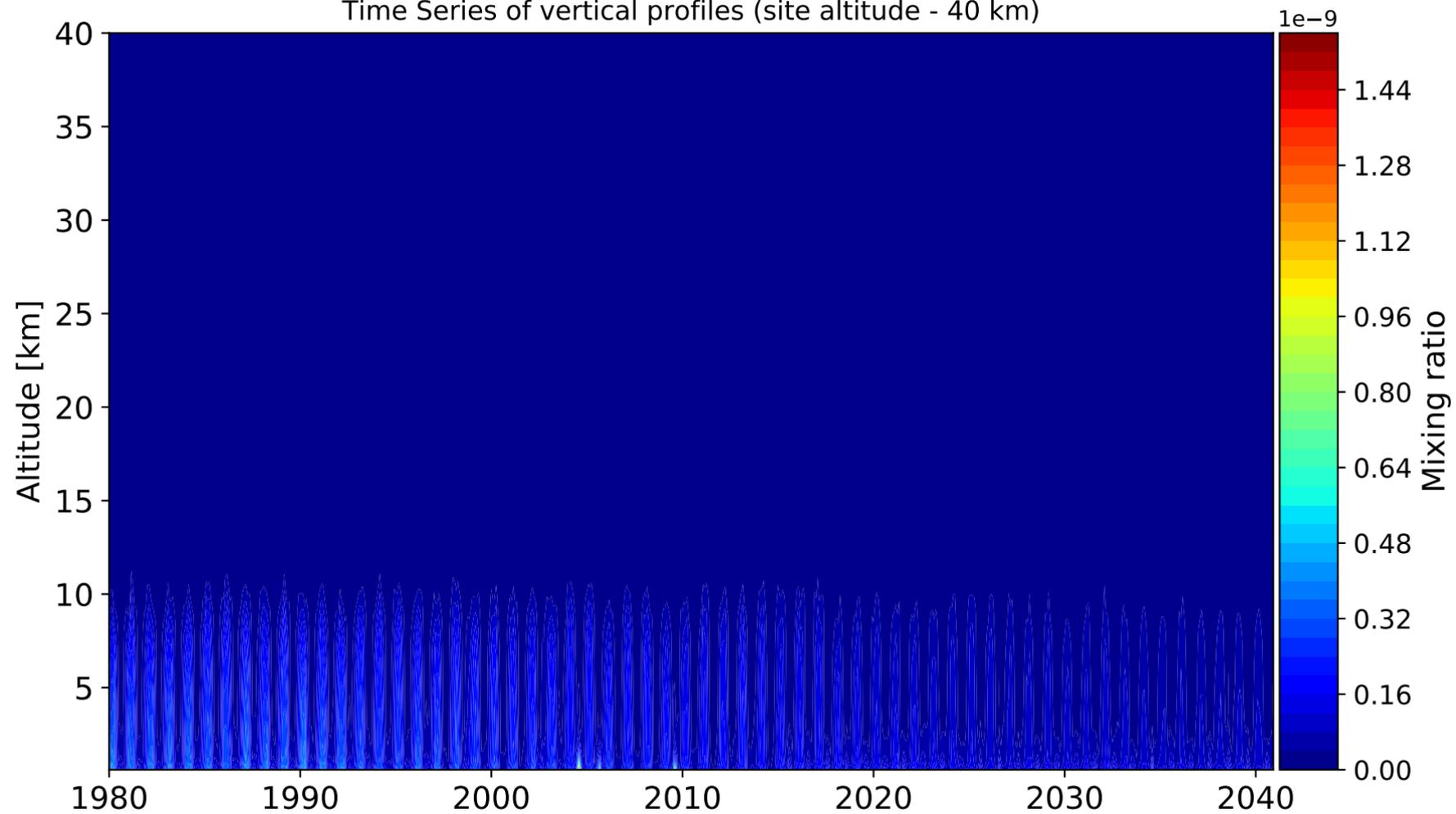


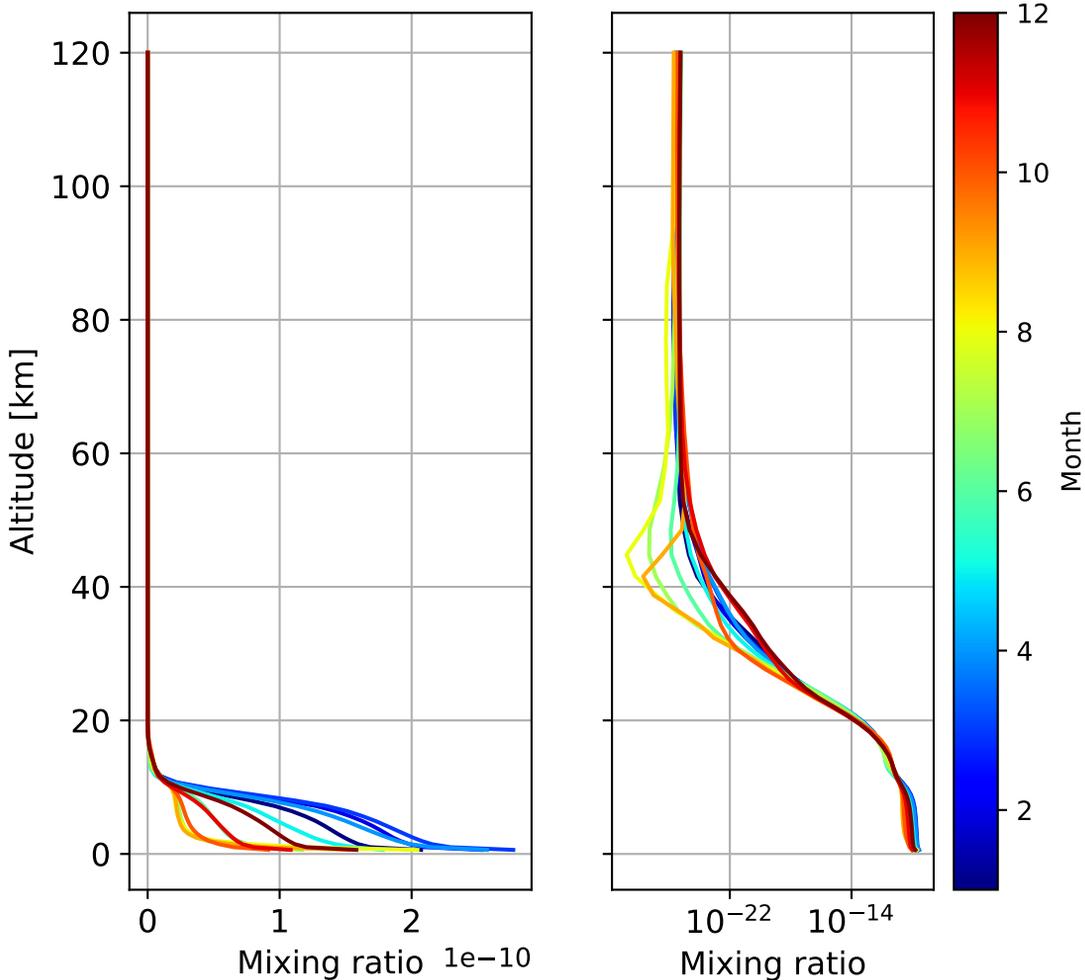
Time Series of vertical profiles (site altitude - 120 km)



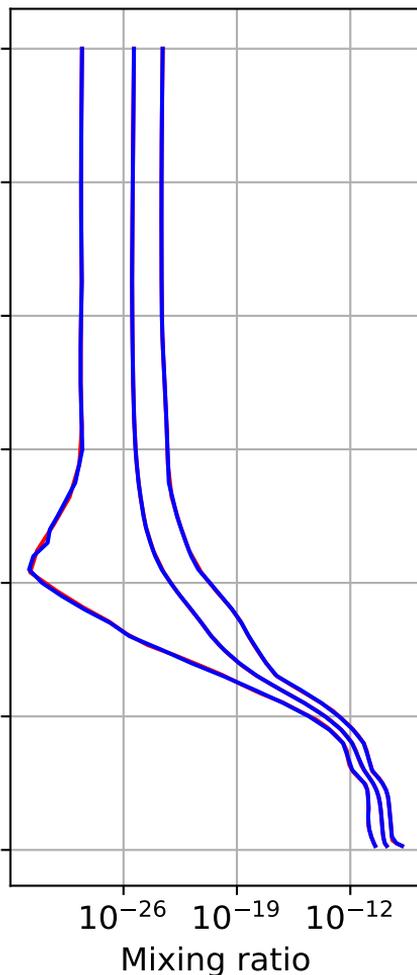
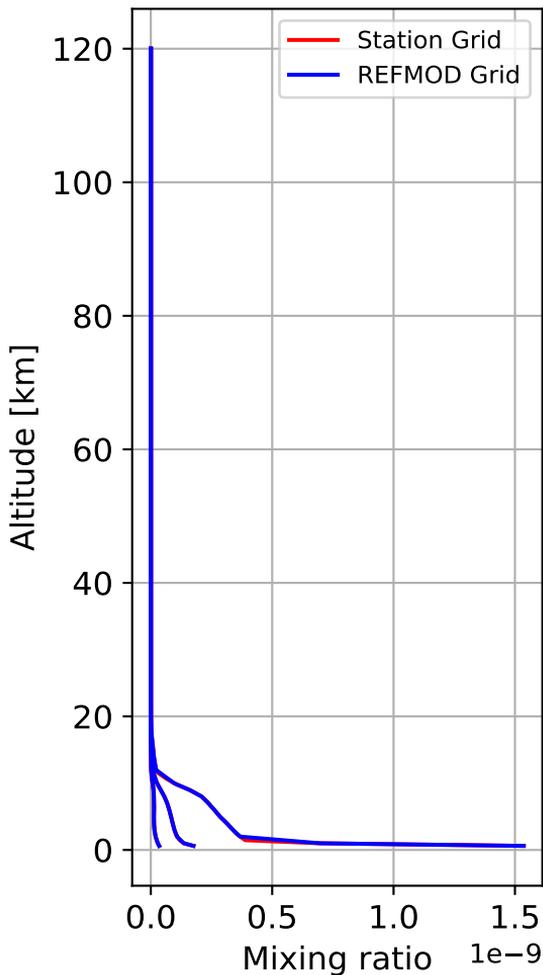
Time Series of vertical profiles (site altitude - 40 km)



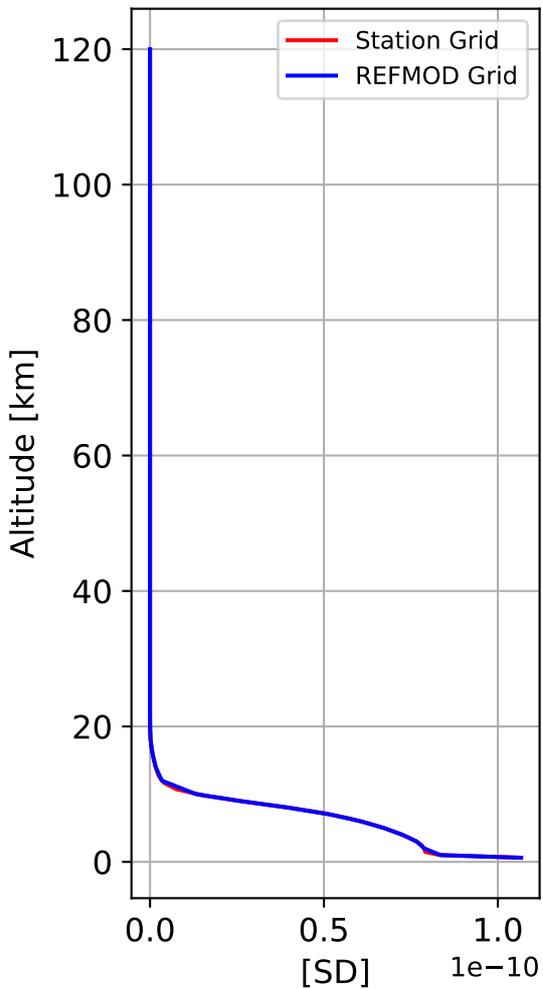
Monthly mean WACCM profile (interpolated to station grid)  
Poker\_Flat, 65.12N, 212.57E, 0.61kmasl



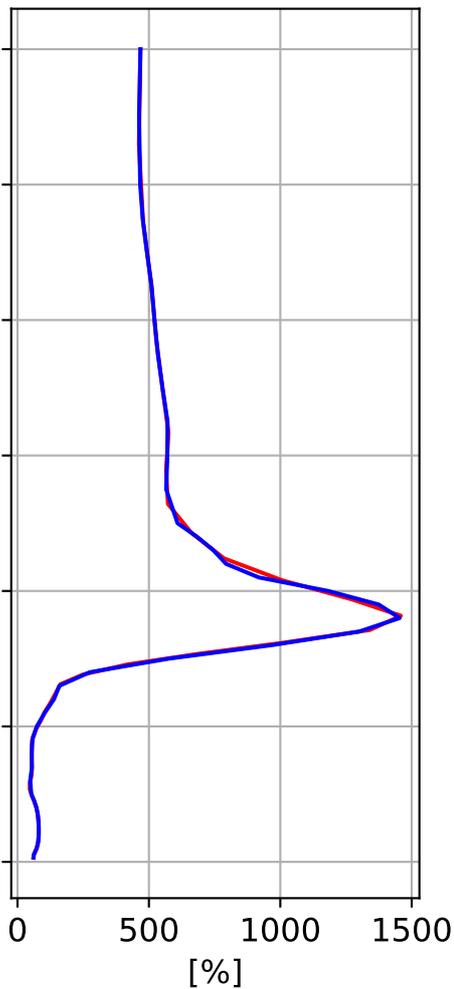
Min, Max, Mean of 732 profiles  
Poker\_Flat, 65.12N, 212.57E, 0.61kmasl



Std. Deviation



Percent Deviation



# Level covariance matrix

$1e-20$

Altitude [km]

120  
100  
80  
60  
40  
20

Altitude [km]

120  
100  
80  
60  
40  
20

Mixing ratio<sup>2</sup>

1.125  
1.000  
0.875  
0.750  
0.625  
0.500  
0.375  
0.250  
0.125  
0.000

