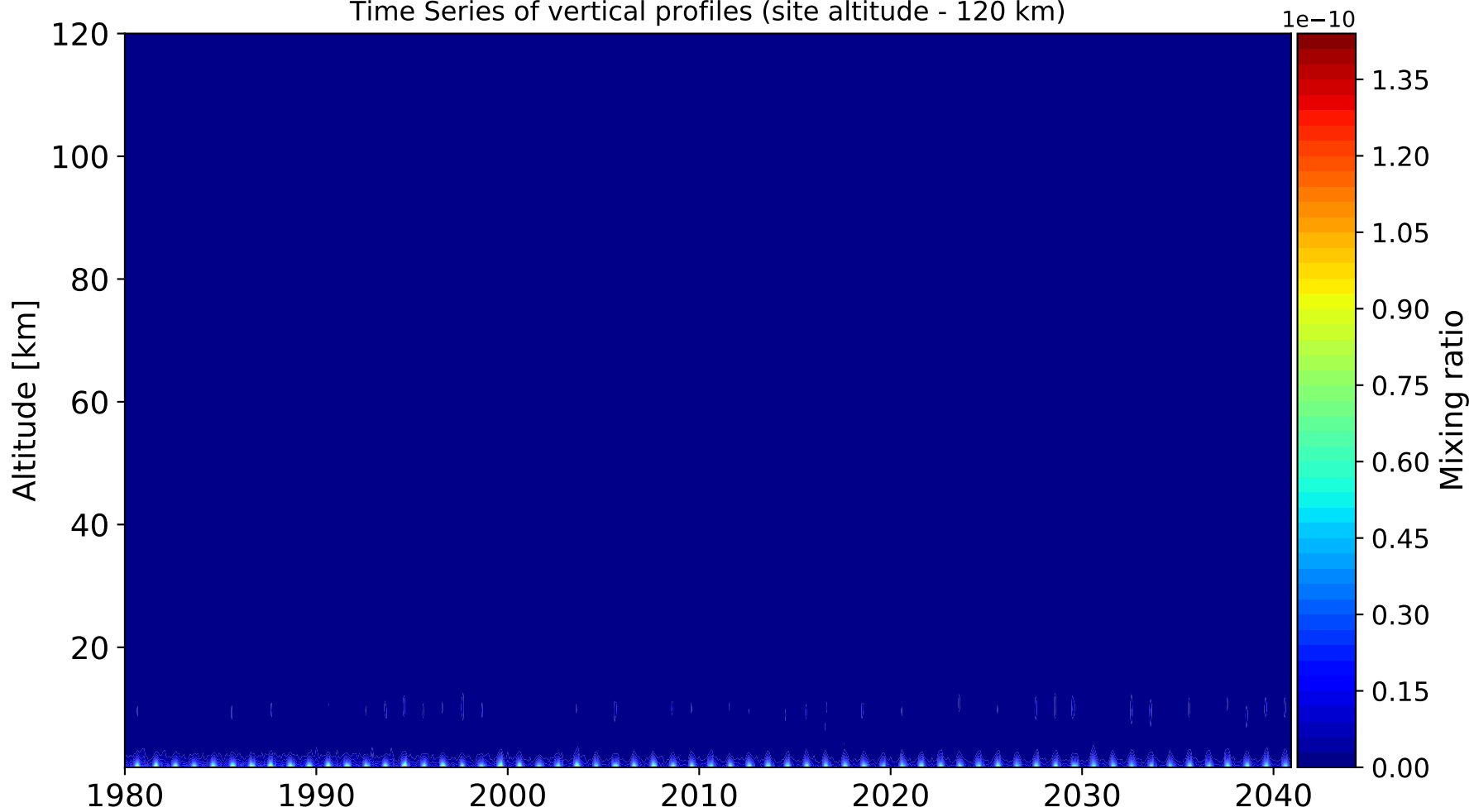
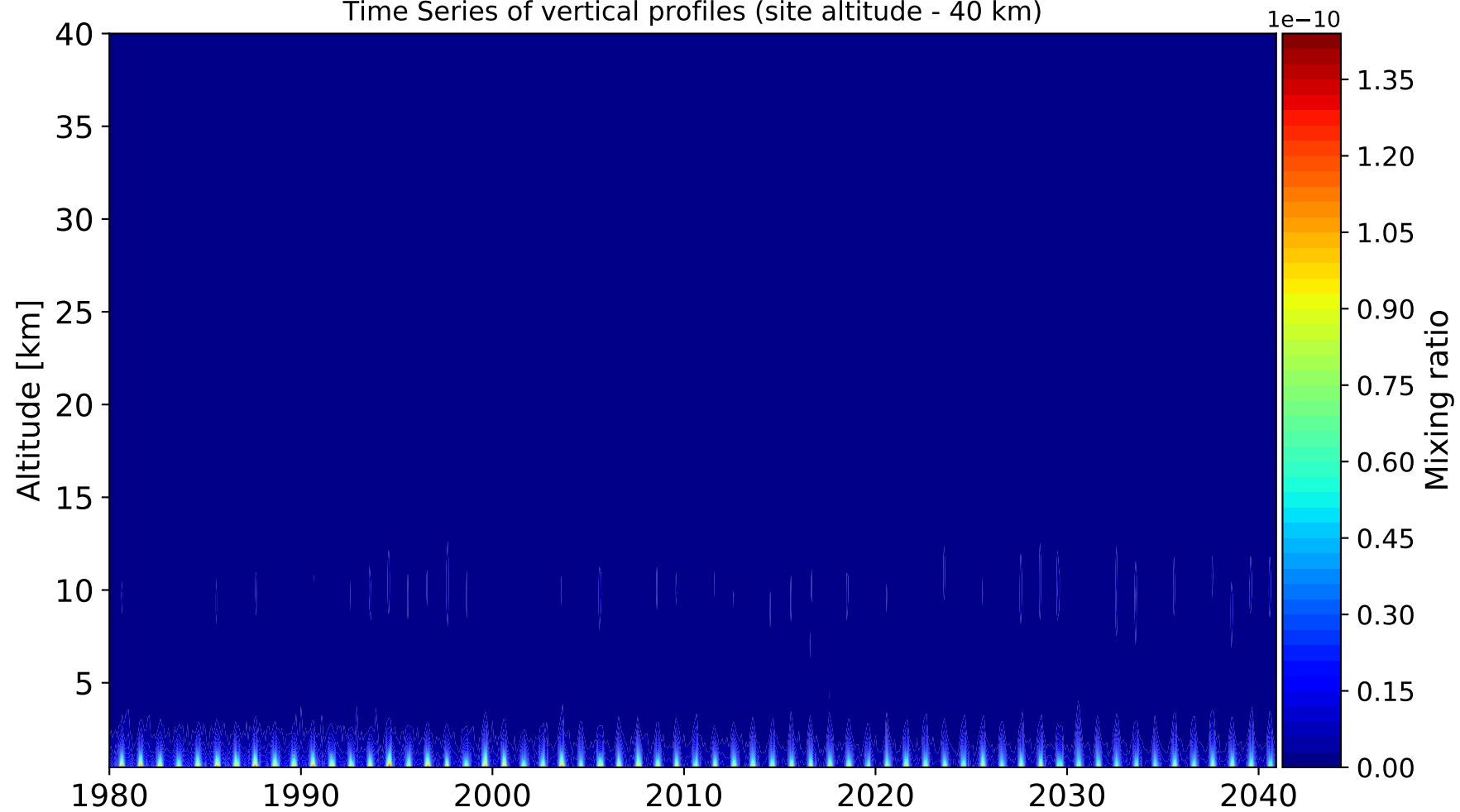


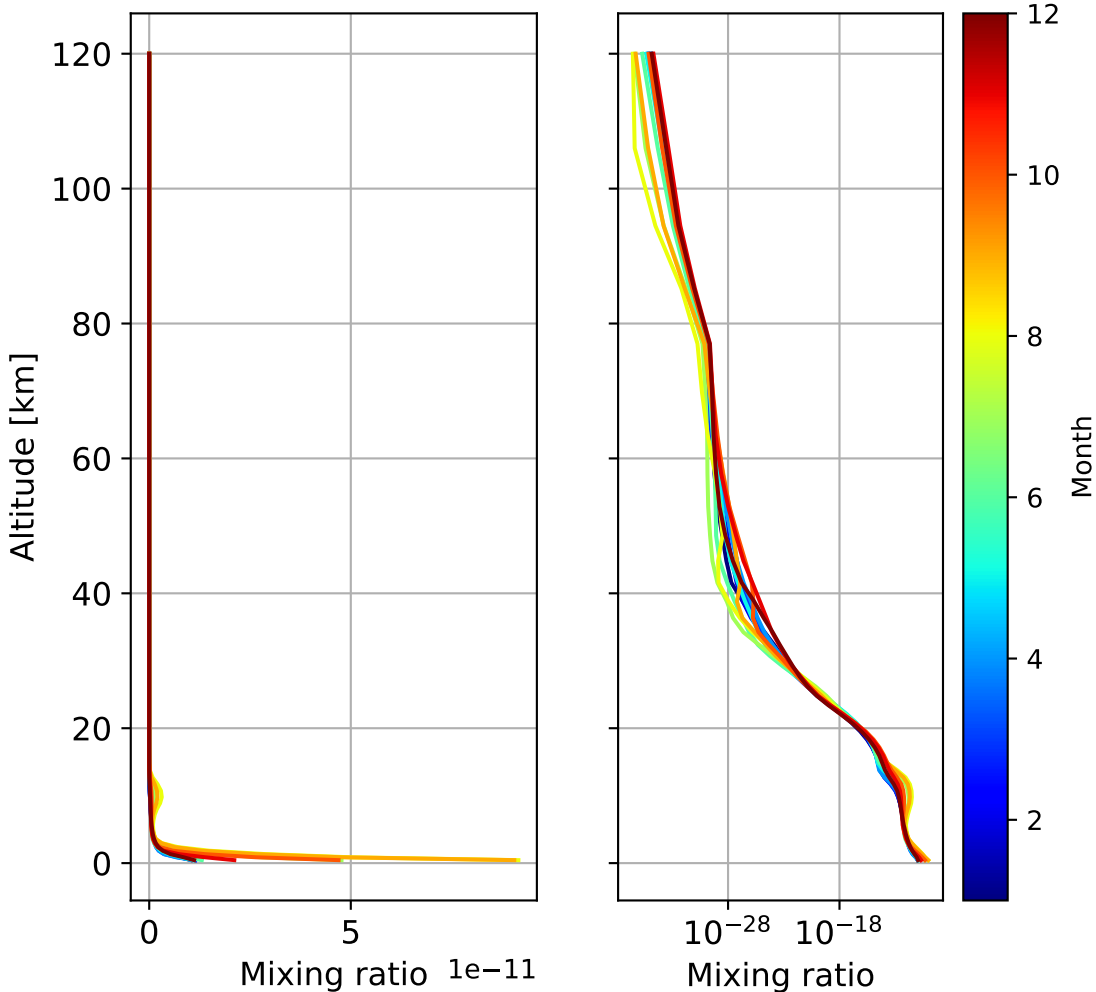
Time Series of vertical profiles (site altitude - 120 km)



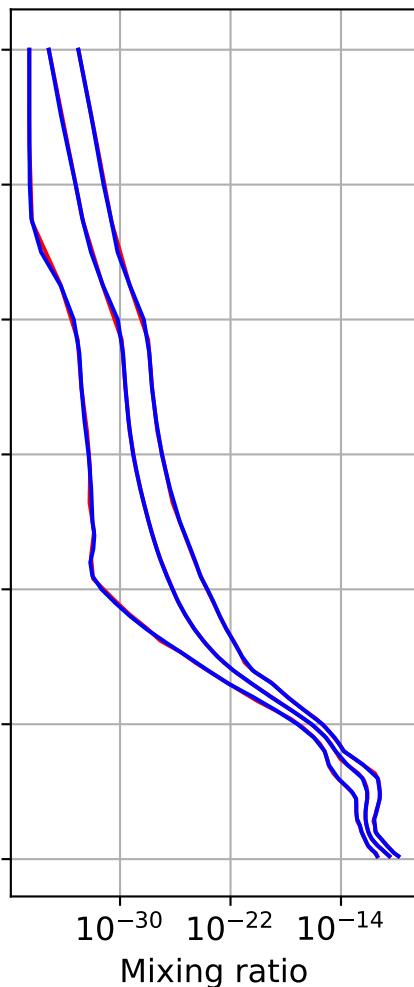
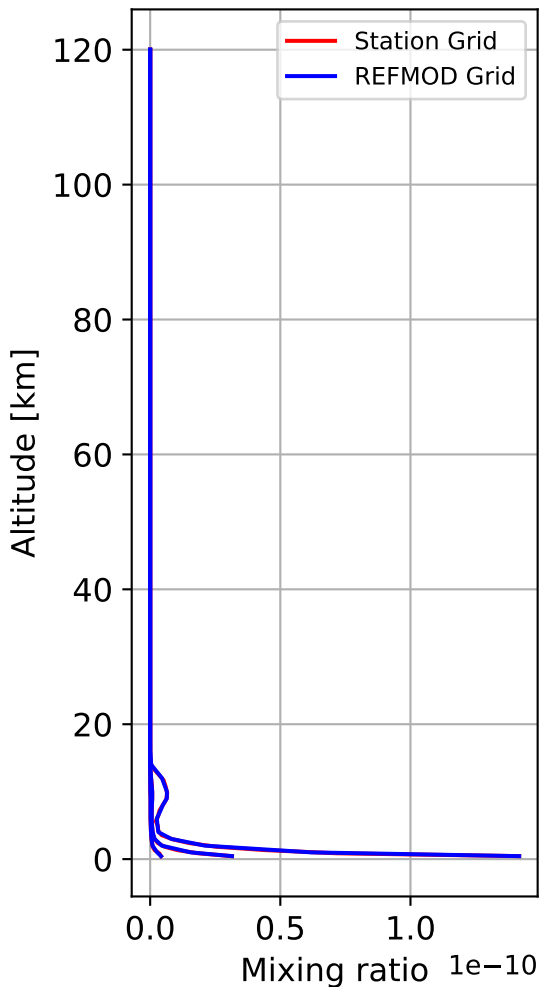
Time Series of vertical profiles (site altitude - 40 km)



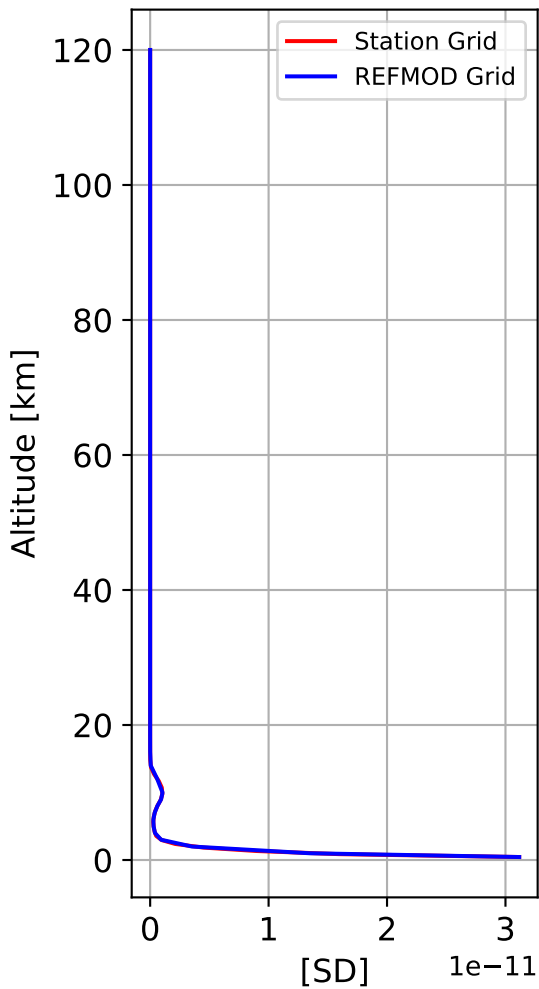
Monthly mean WACCM profile (interpolated to station grid)  
Park\_Falls, 45.945N, 269.727E, 0.442kmasl



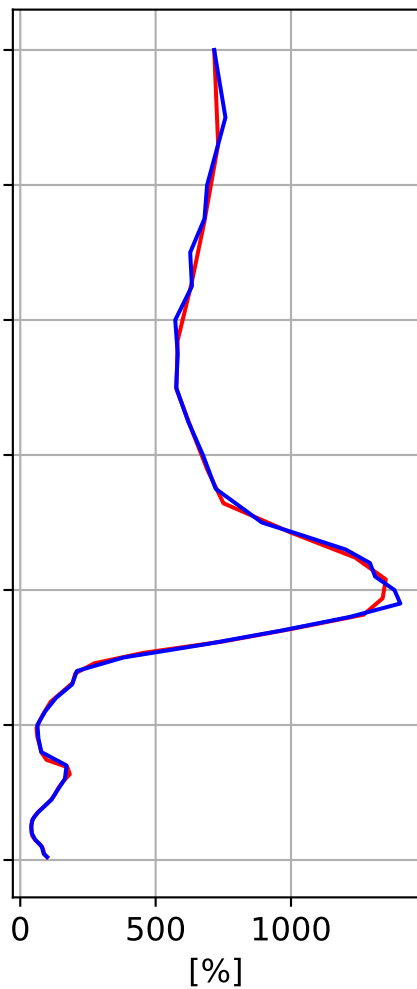
Min, Max, Mean of 732 profiles  
Park\_Falls, 45.945N, 269.727E, 0.442kmasl



### Std. Deviation



### Percent Deviation



Level covariance matrix

1e-22

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

Mixing ratio[ $\sim 2$ ]

9.6

8.4

7.2

6.0

4.8

3.6

2.4

1.2

0.0

