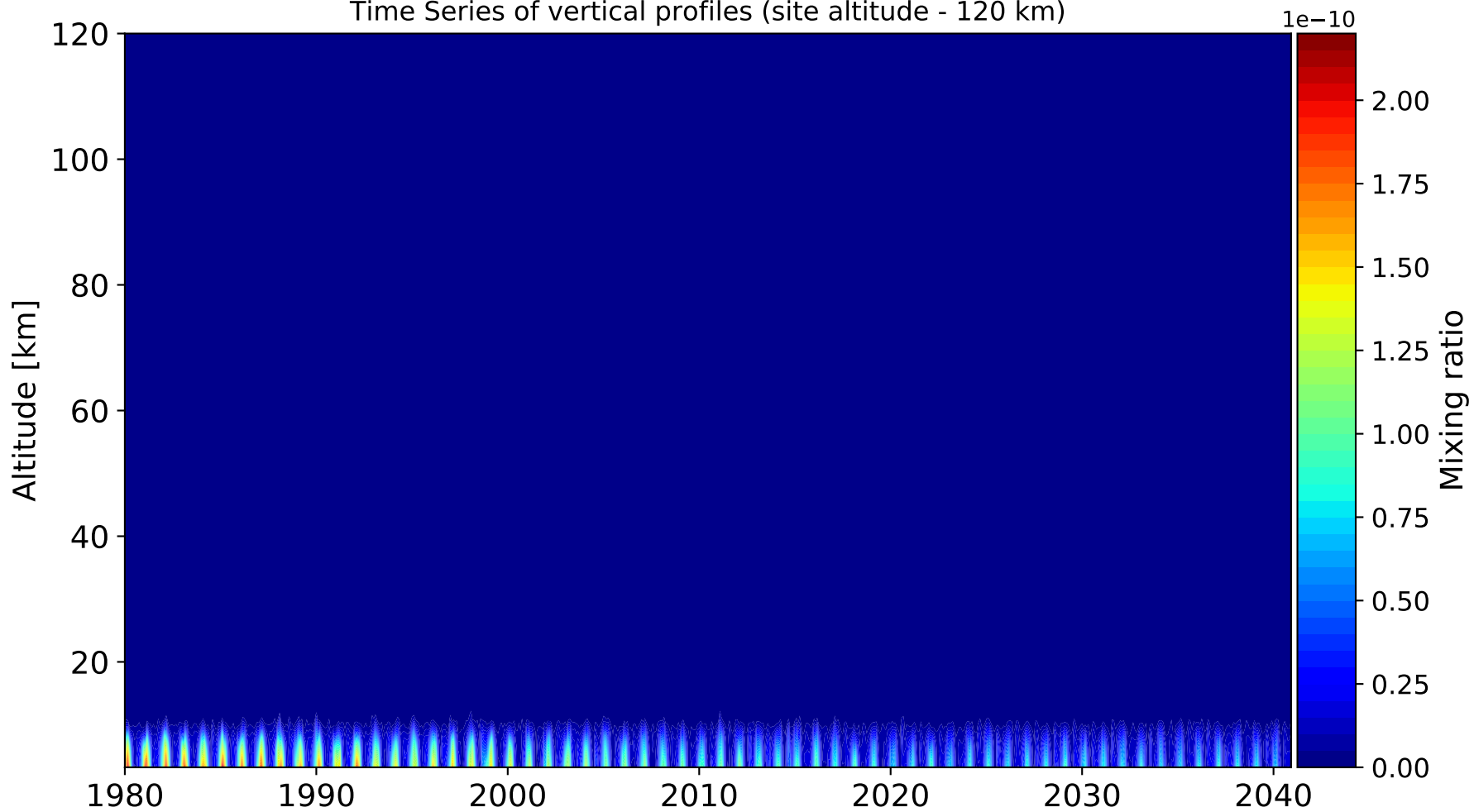
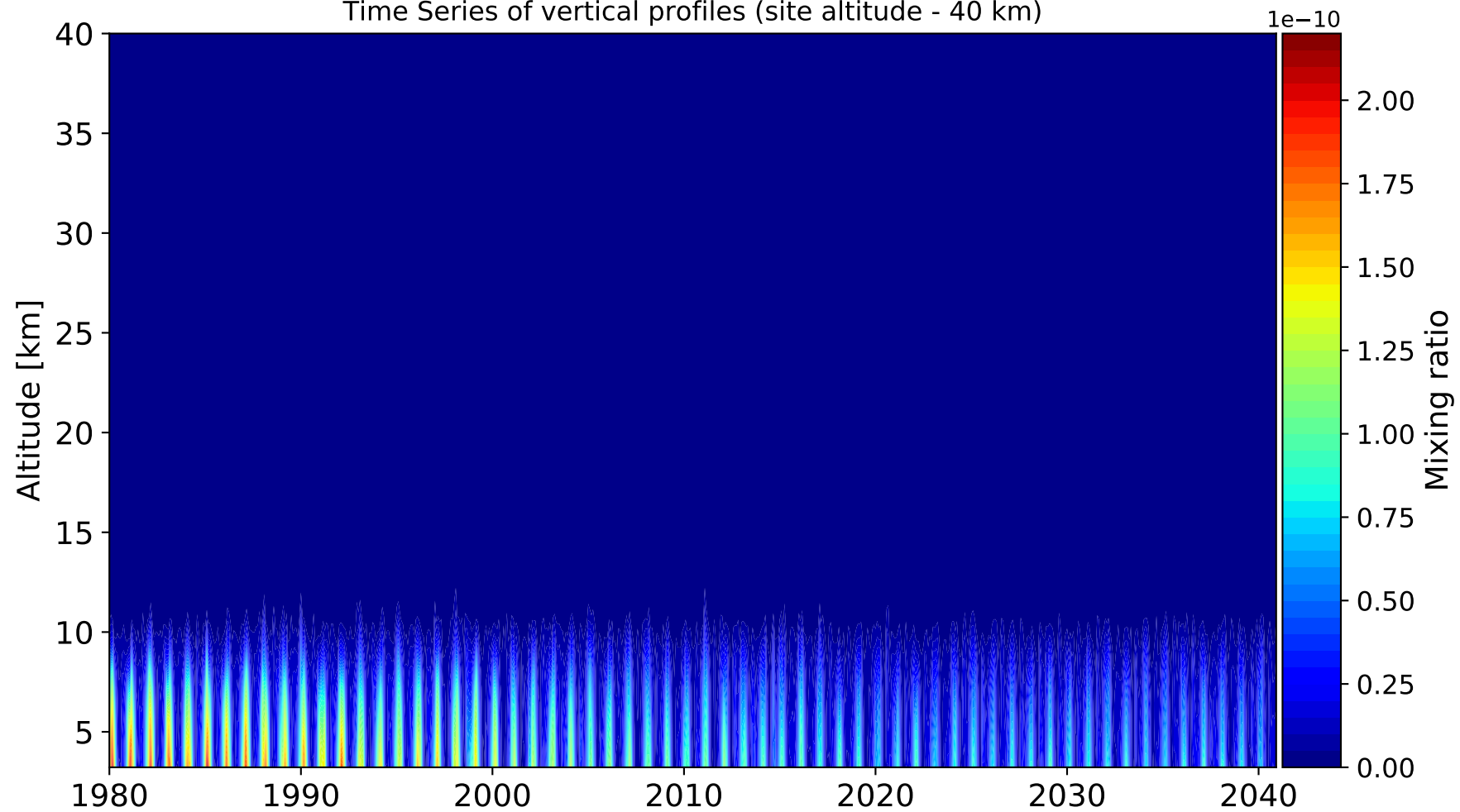


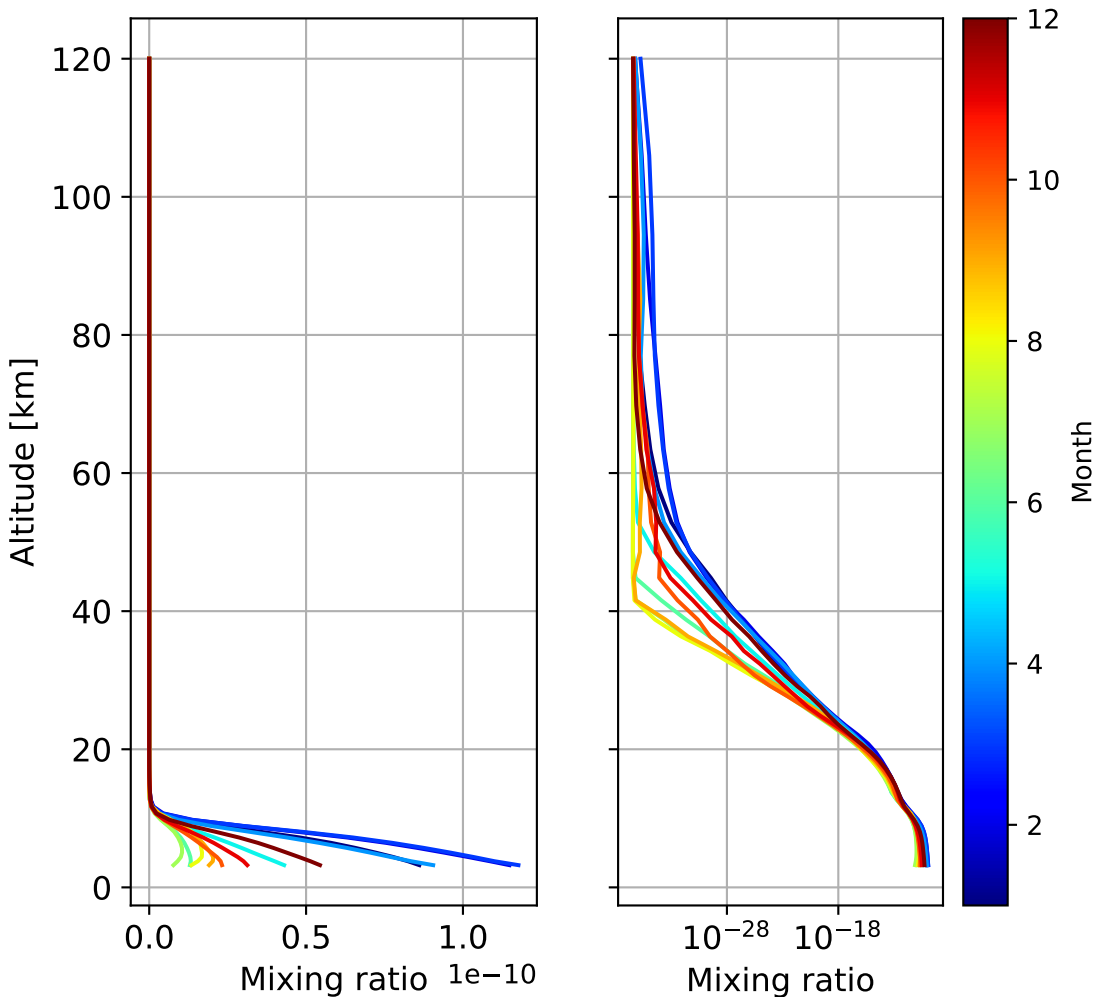
Time Series of vertical profiles (site altitude - 120 km)



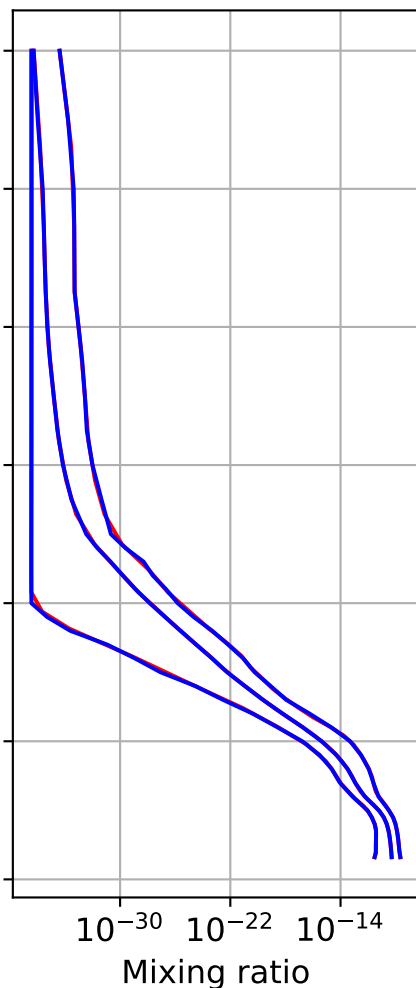
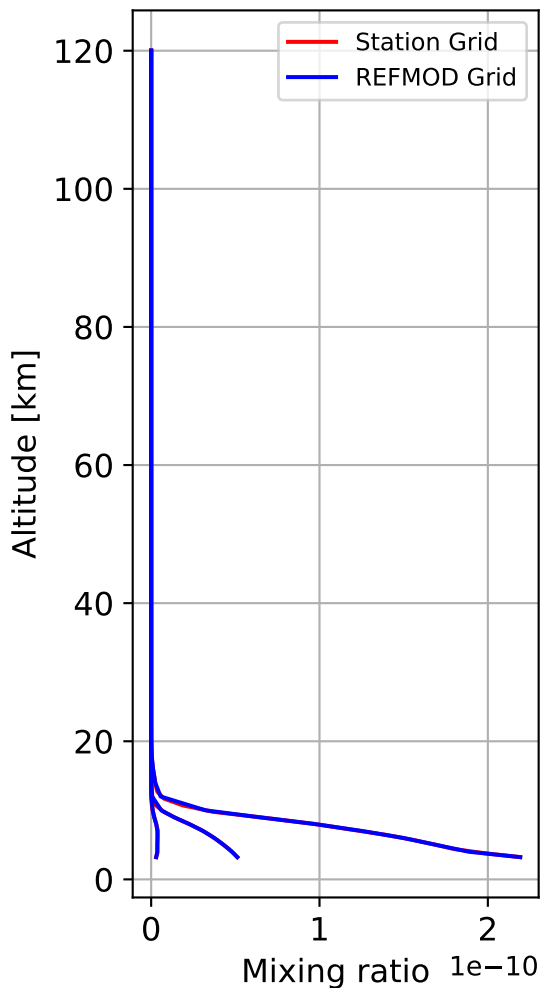
Time Series of vertical profiles (site altitude - 40 km)



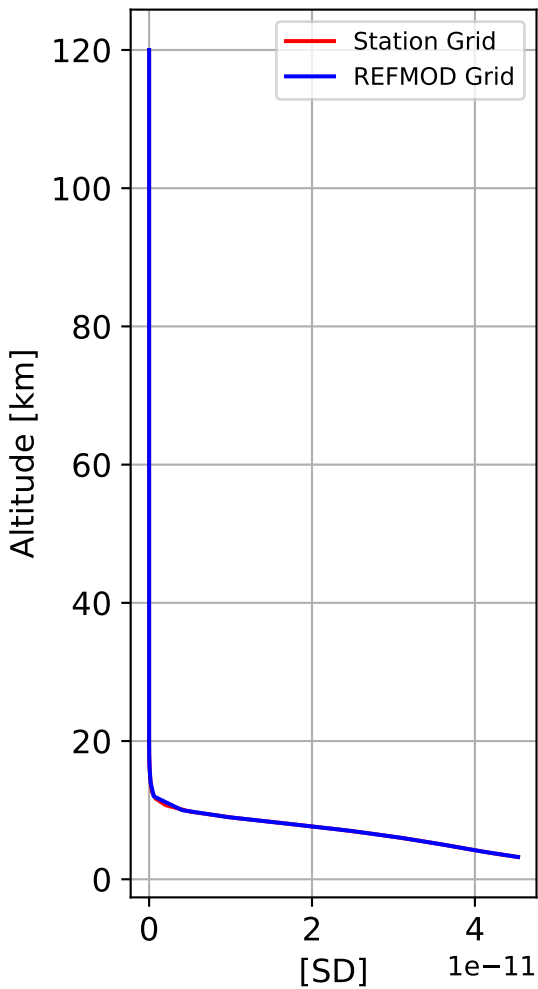
# Monthly mean WACCM profile (interpolated to station grid) Summit, 72.5796N, 321.5408E, 3.22kmasl



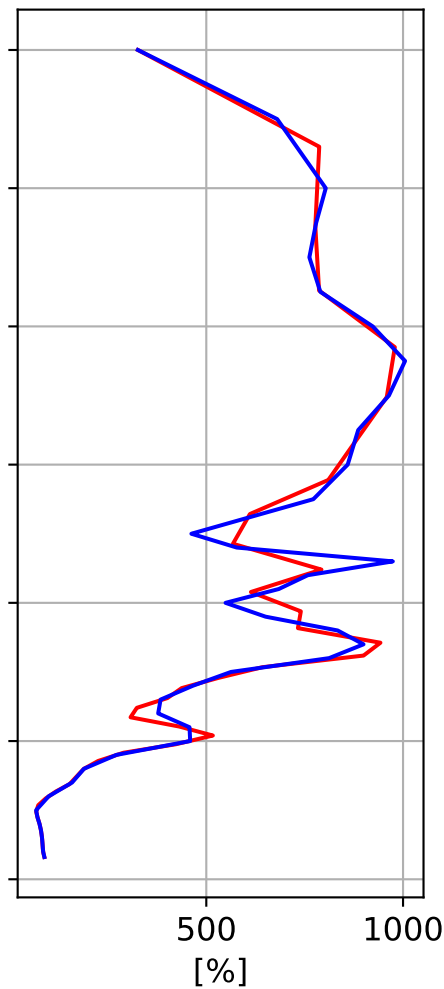
Min, Max, Mean of 732 profiles  
Summit, 72.5796N, 321.5408E, 3.22kmasl



Std. Deviation



Percent Deviation



# Level covariance matrix

$1e-21$

Altitude [km]

120  
100  
80  
60  
40  
20

20

Altitude [km]

40

60

80

100

120

2.00

1.75

1.50

1.25

1.00

0.75

0.50

0.25

0.00

Mixing ratio[ $\wedge 2$ ]

