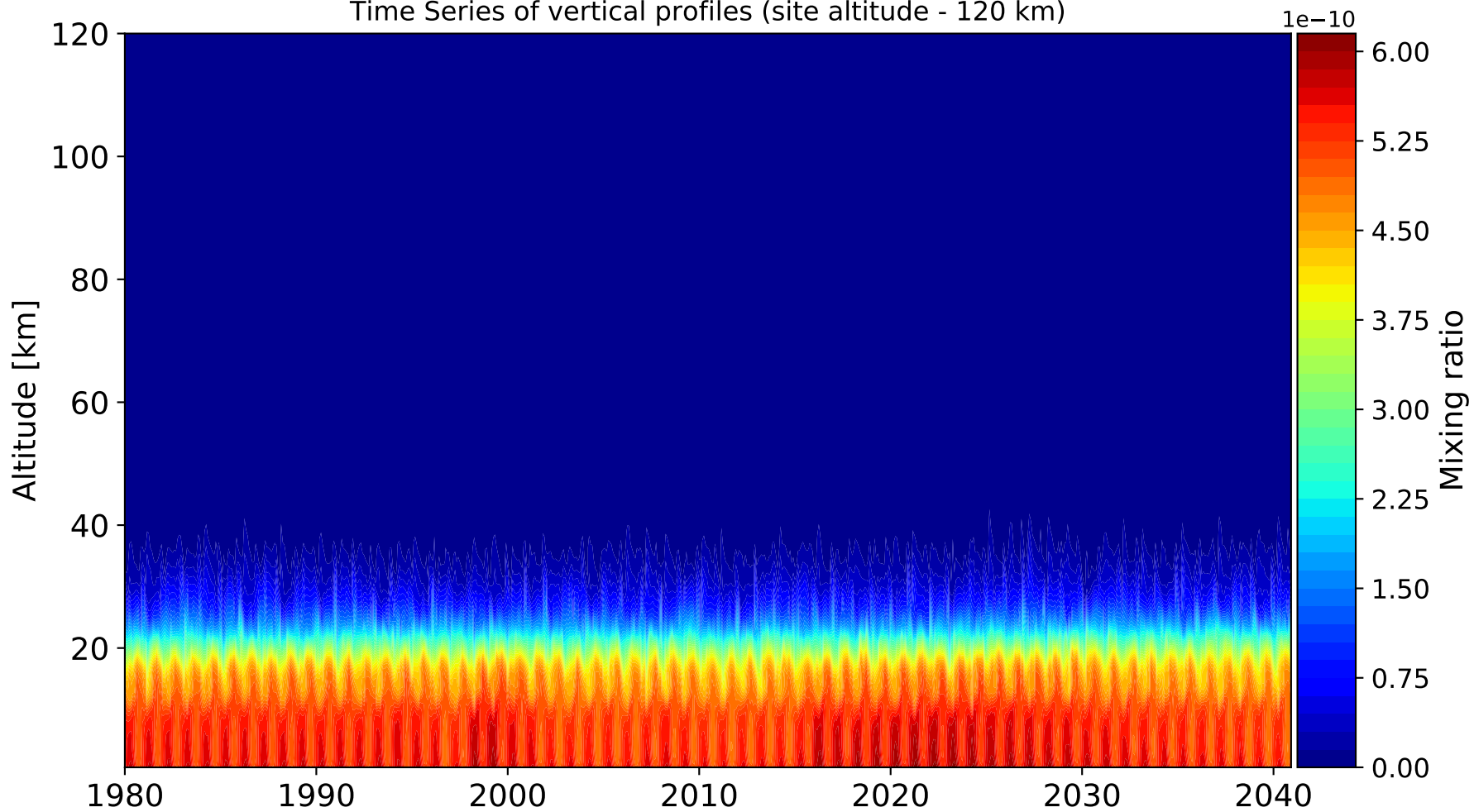
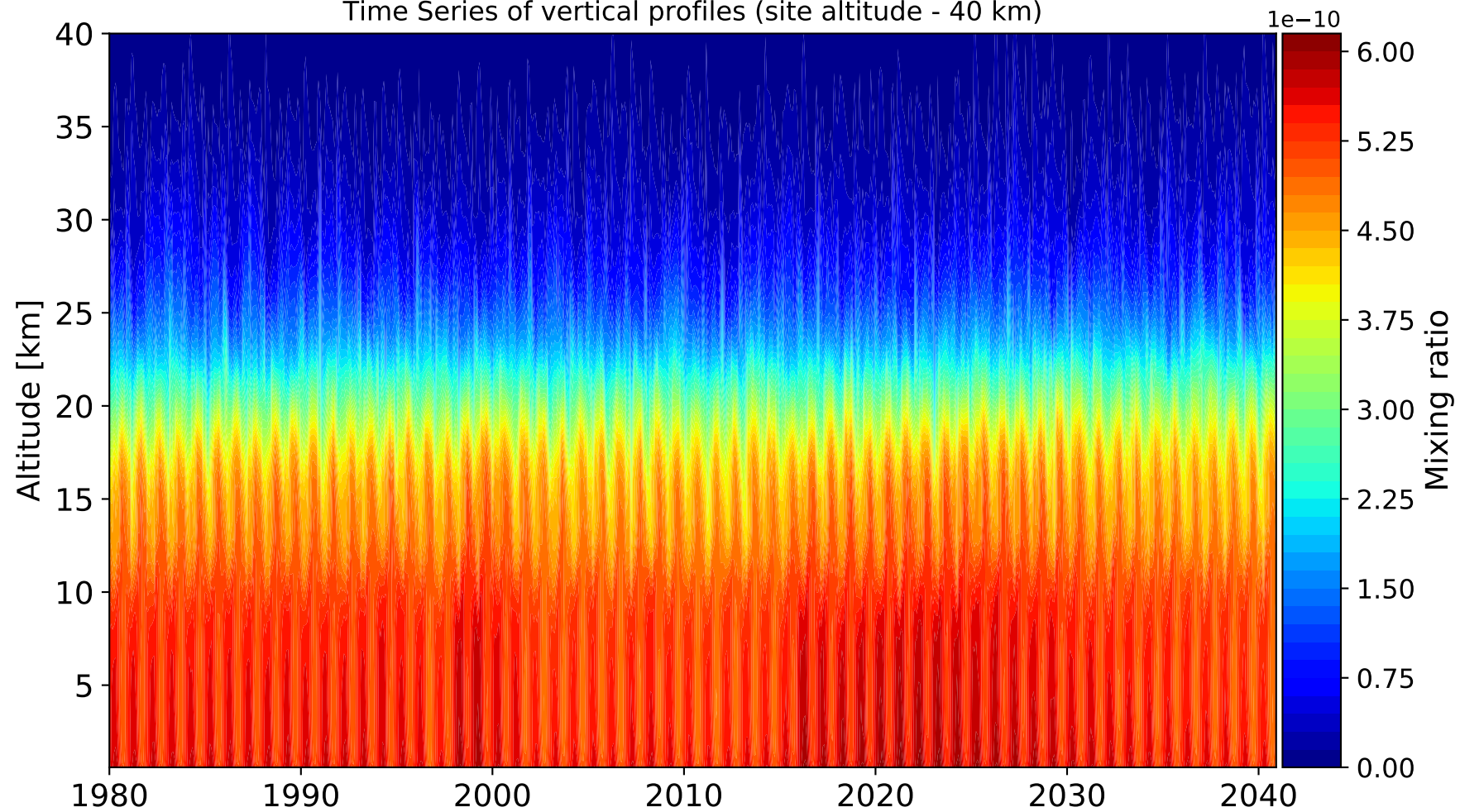


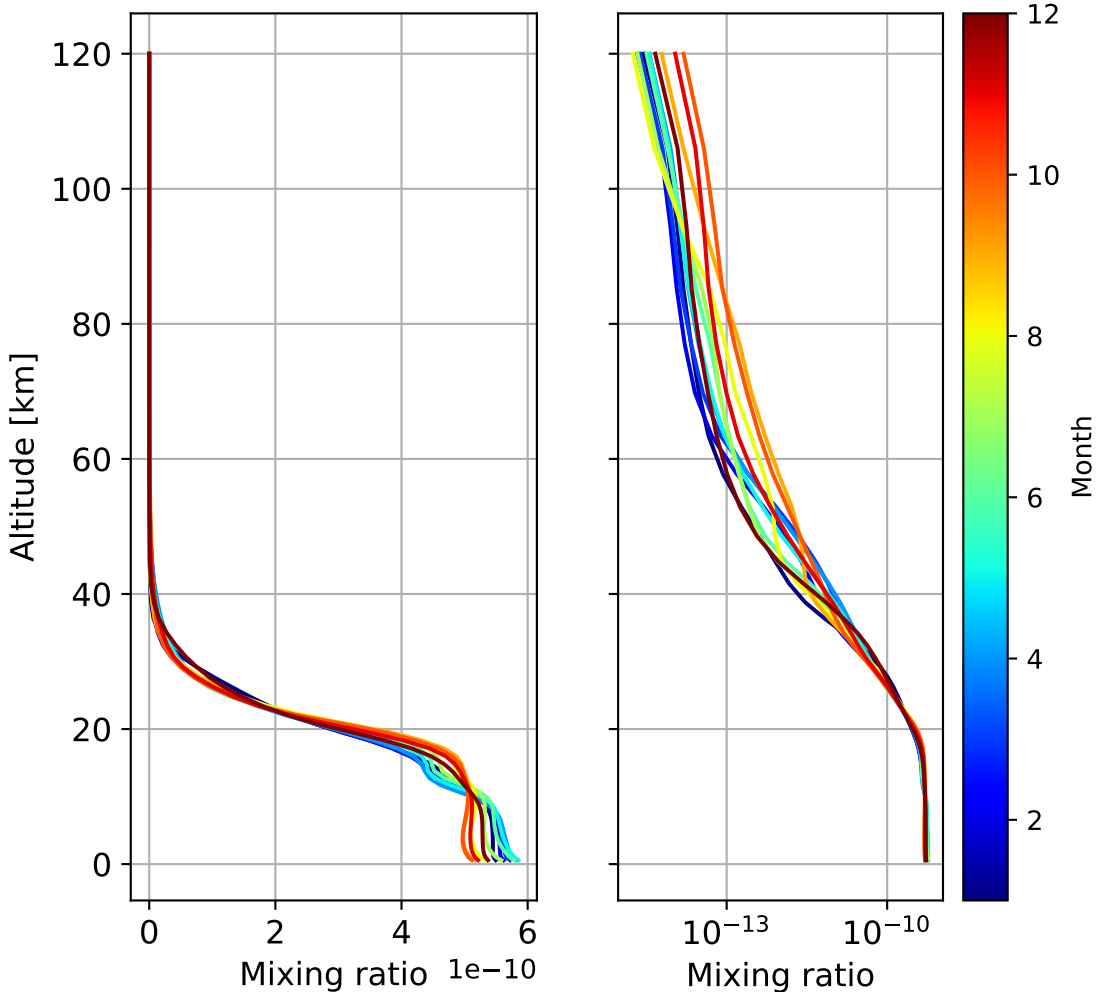
Time Series of vertical profiles (site altitude - 120 km)



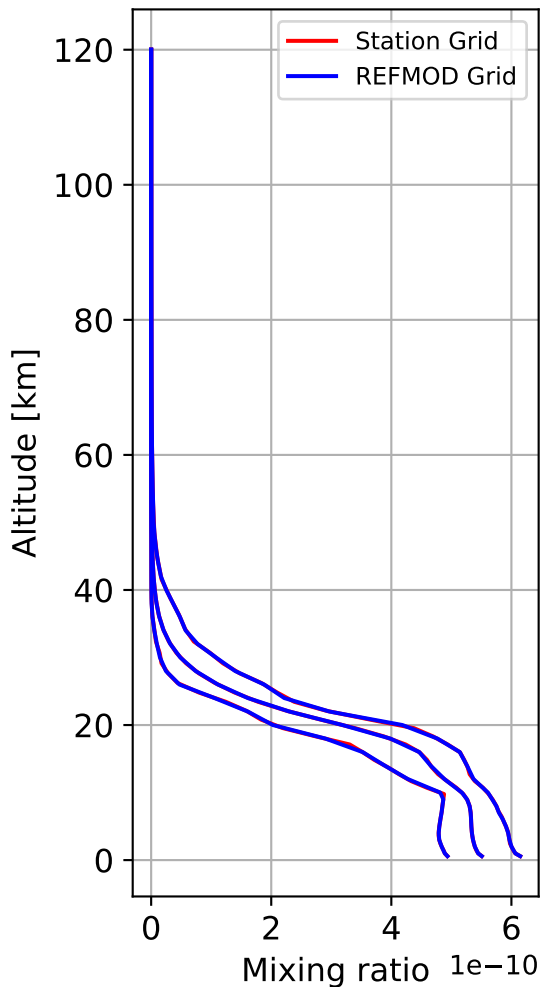
Time Series of vertical profiles (site altitude - 40 km)



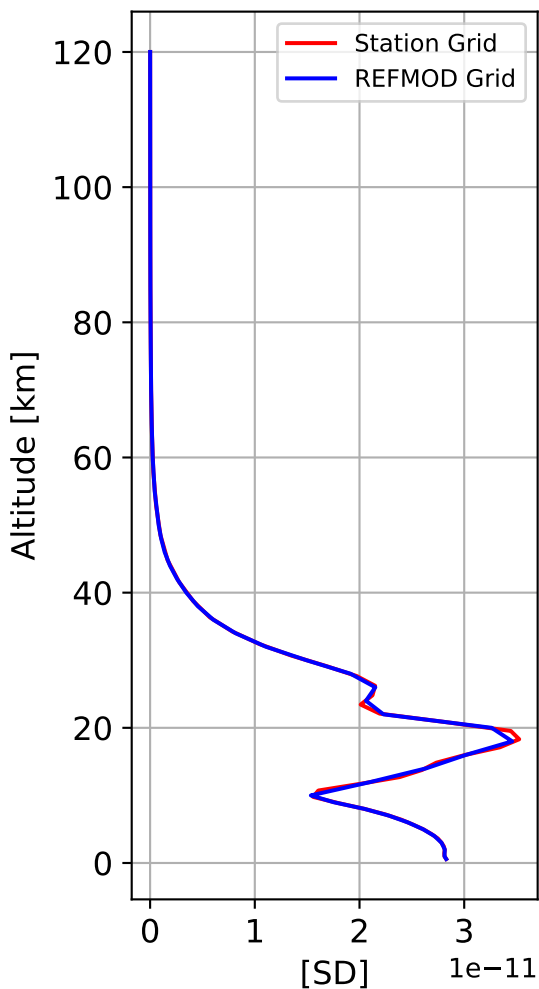
Monthly mean WACCM profile (interpolated to station grid)  
Bratts\_Lake, 50.2N, 255.8E, 0.587kmasl



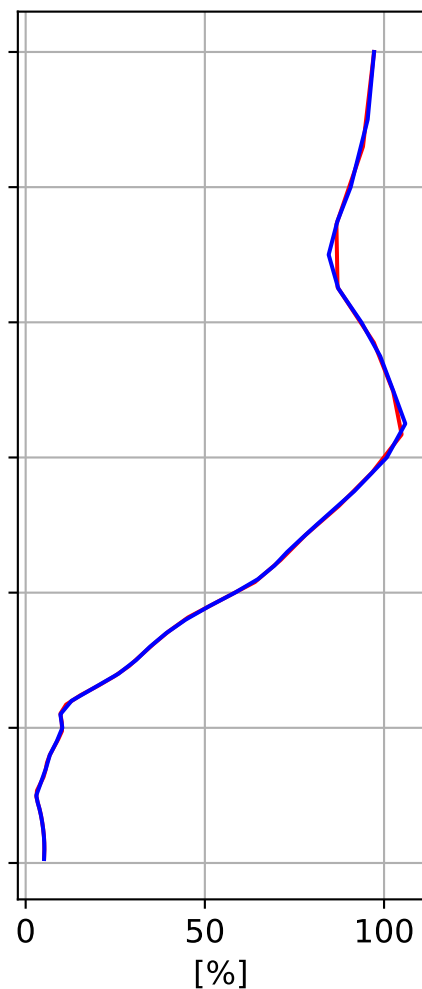
Min, Max, Mean of 732 profiles  
Bratts\_Lake, 50.2N, 255.8E, 0.587kmasl



### 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

Mixing ratio[ $\sim 2$ ]

1.2

1.0

0.8

0.6

0.4

0.2

0.0

-0.2

-0.4

