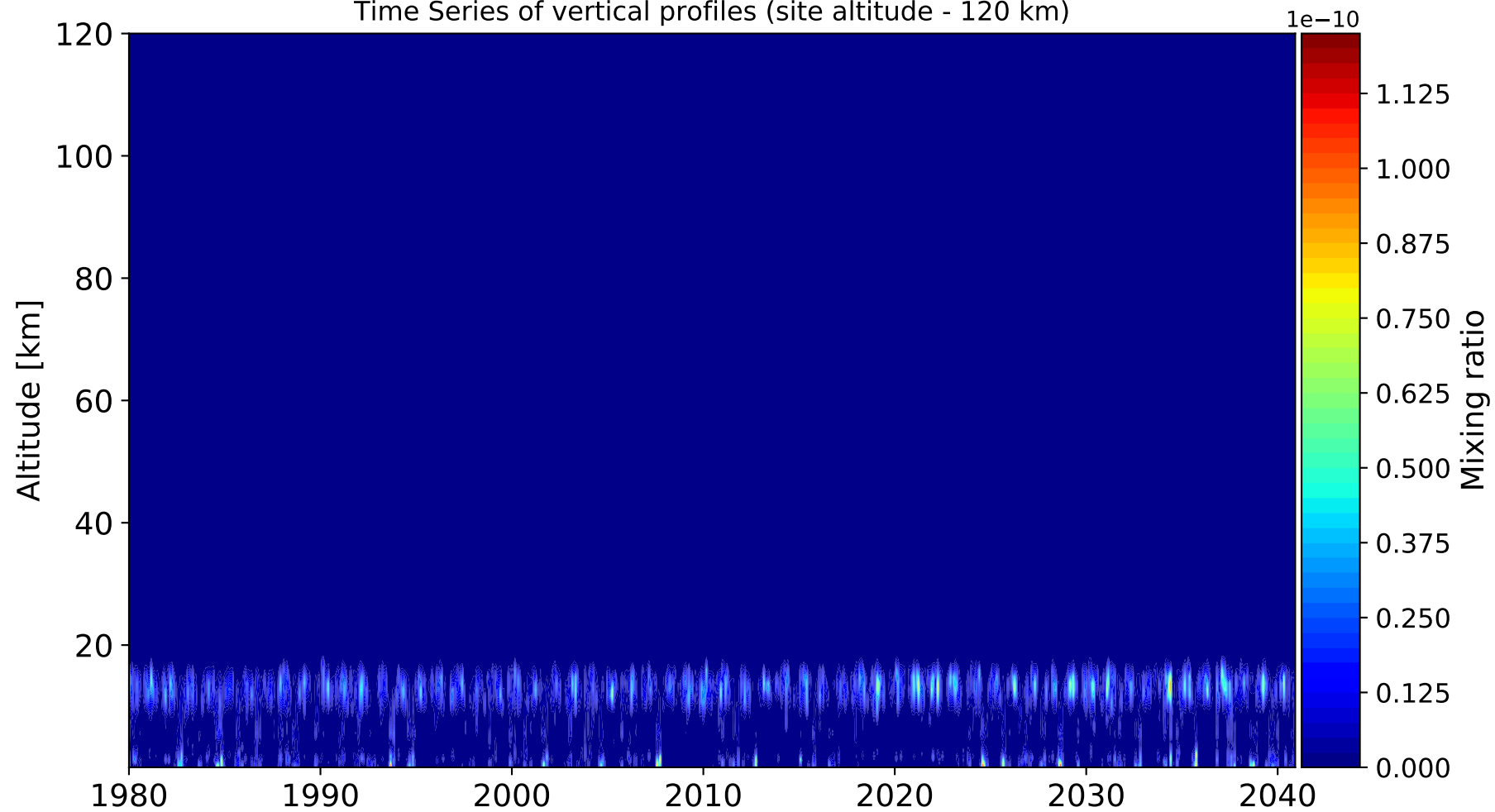
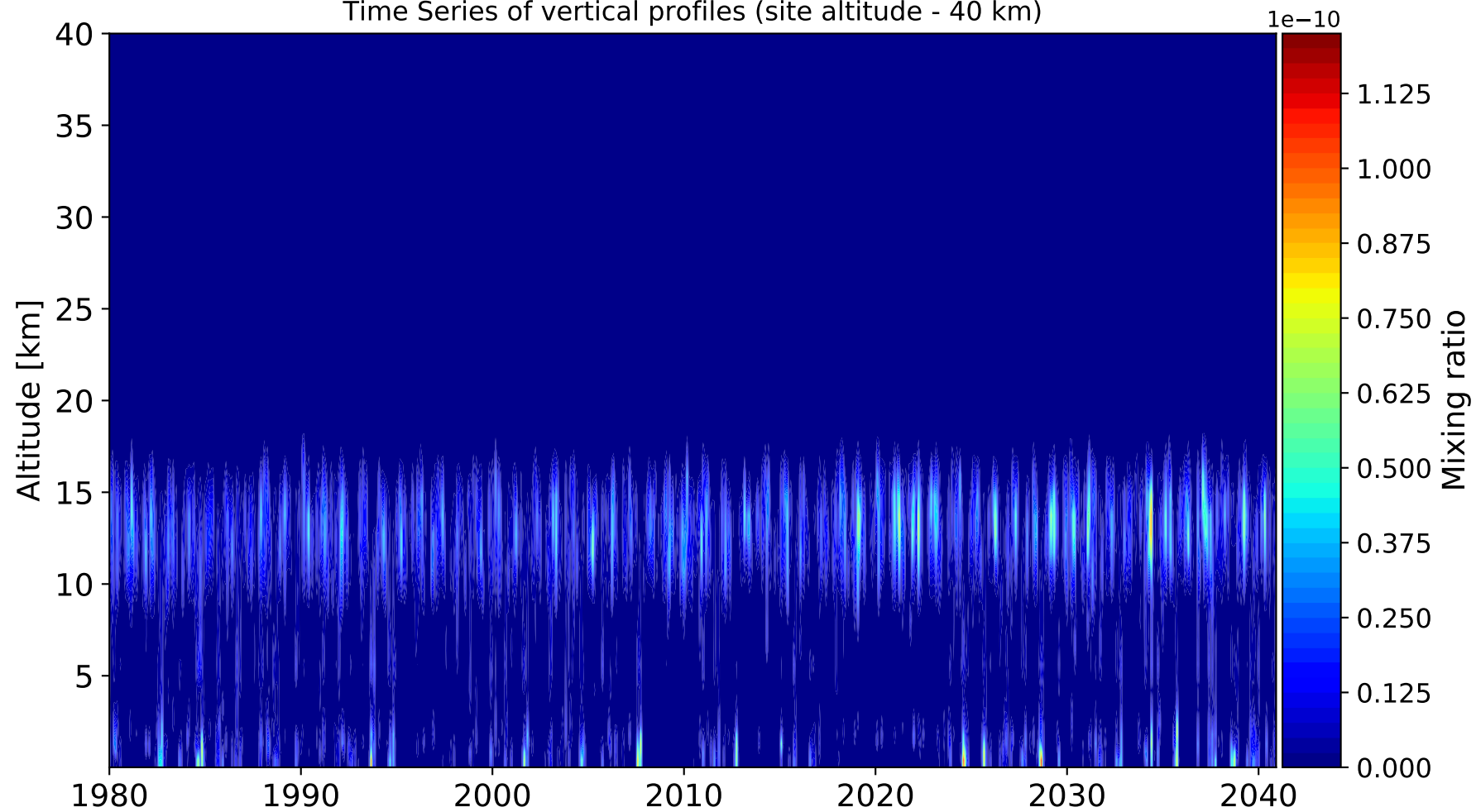


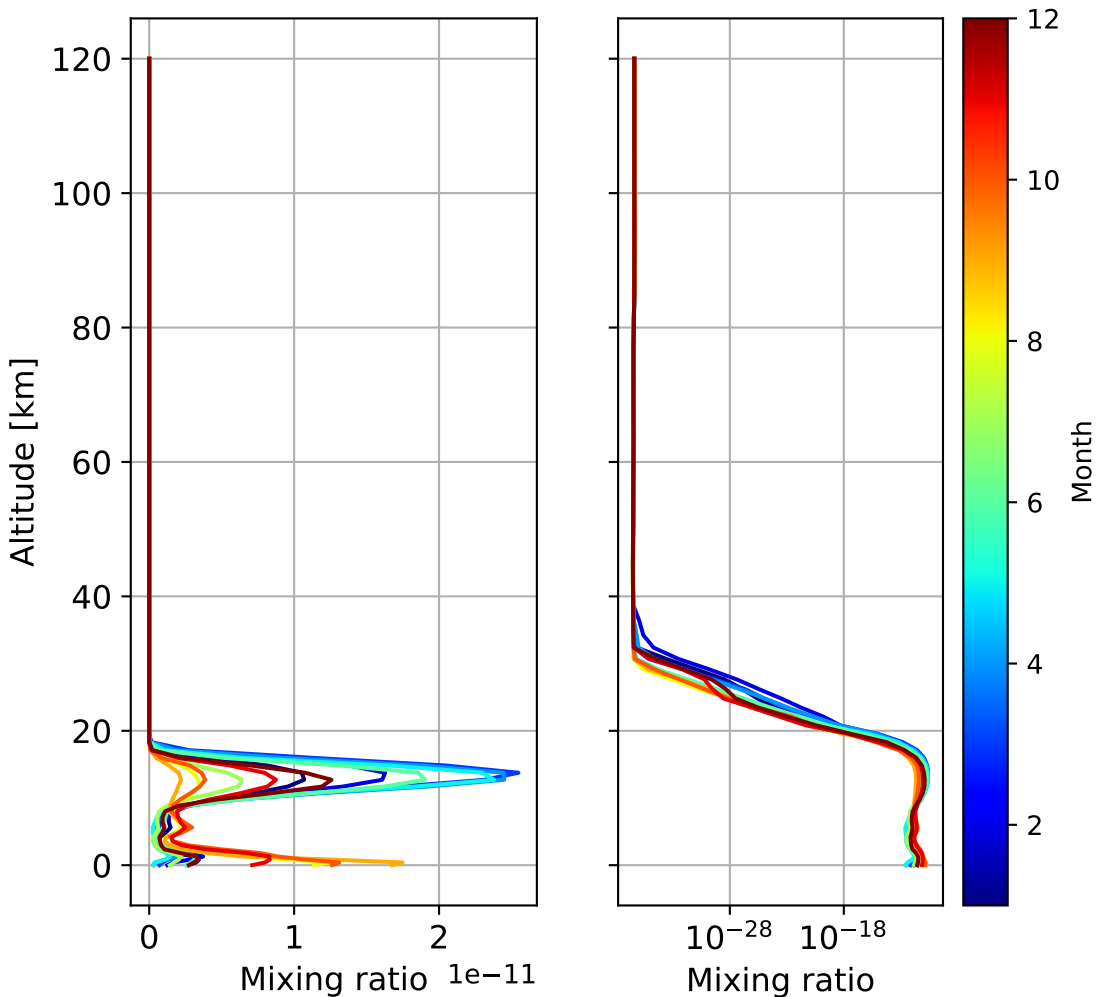
Time Series of vertical profiles (site altitude - 120 km)



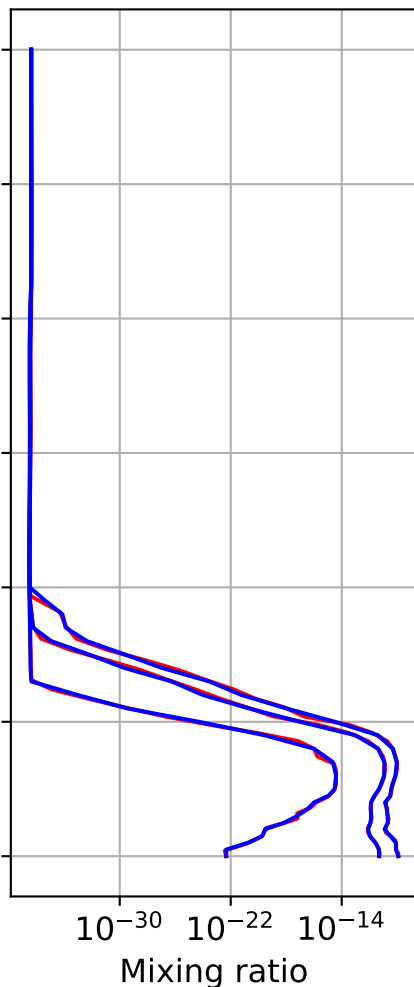
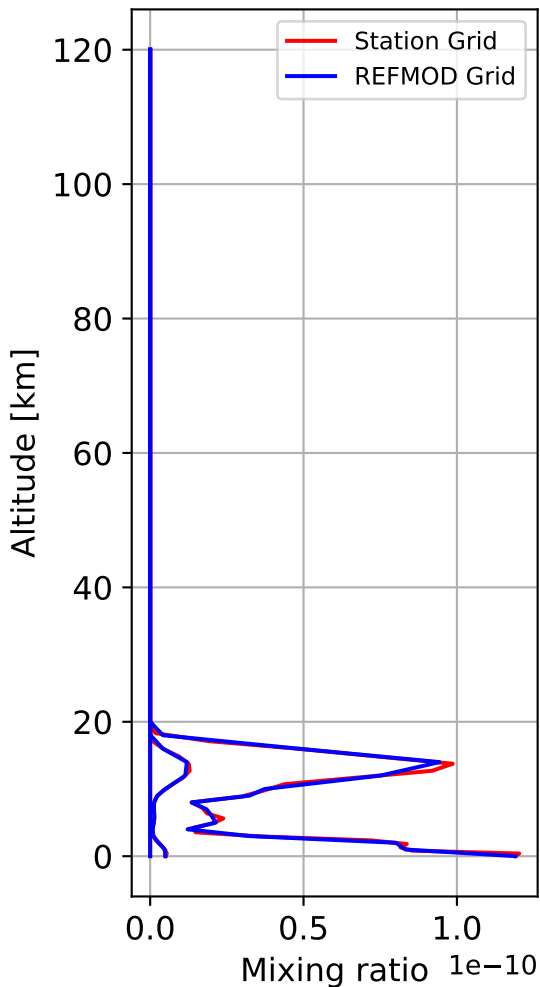
Time Series of vertical profiles (site altitude - 40 km)



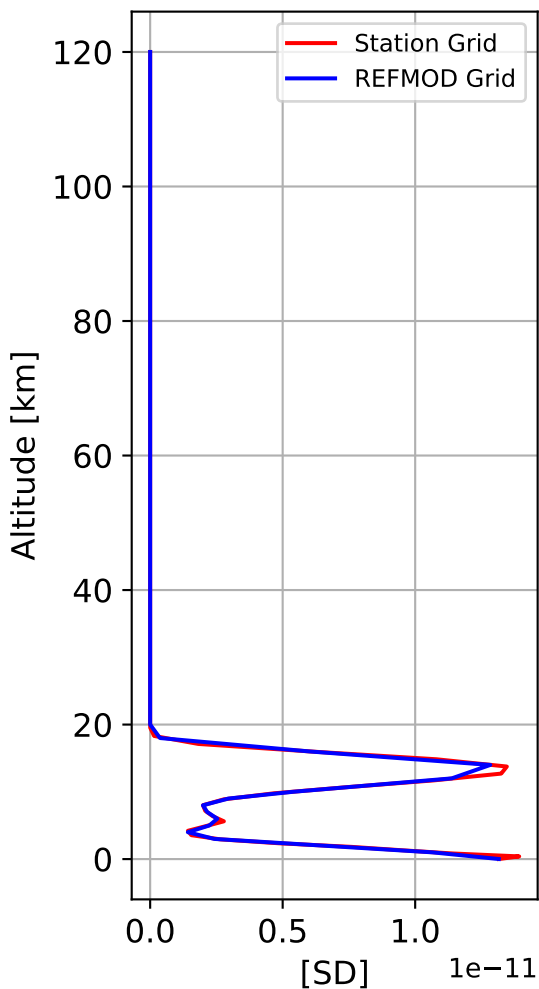
Monthly mean WACCM profile (interpolated to station grid)  
Palau, 7.342N, 134.4273E, 0.01kmasl



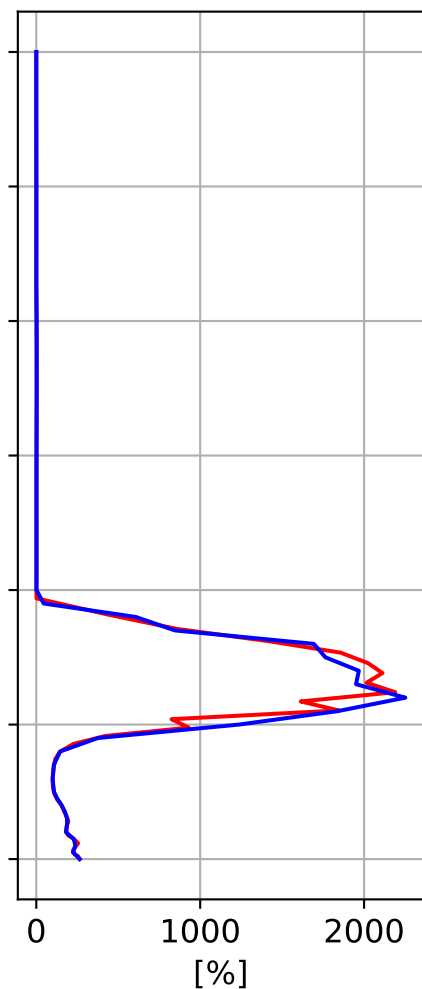
Min, Max, Mean of 732 profiles  
Palau, 7.342N, 134.4273E, 0.01kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

1e-22

Altitude [km]

120

100

80

60

40

20

20

Altitude [km]

40

60

80

100

120

1.75

1.50

1.25

1.00

0.75

0.50

0.25

0.00

-0.25

Mixing ratio[<sup>2</sup>]

