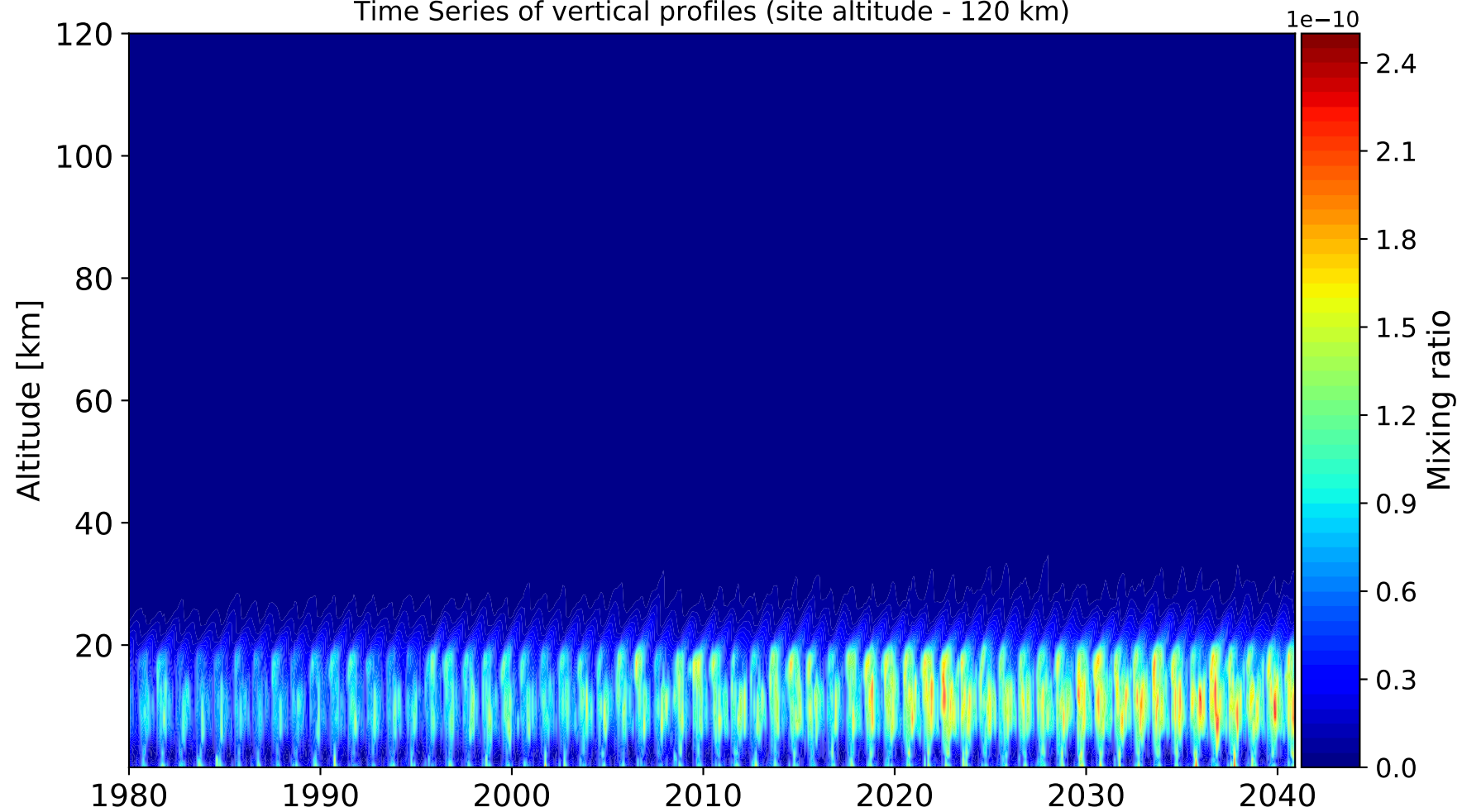
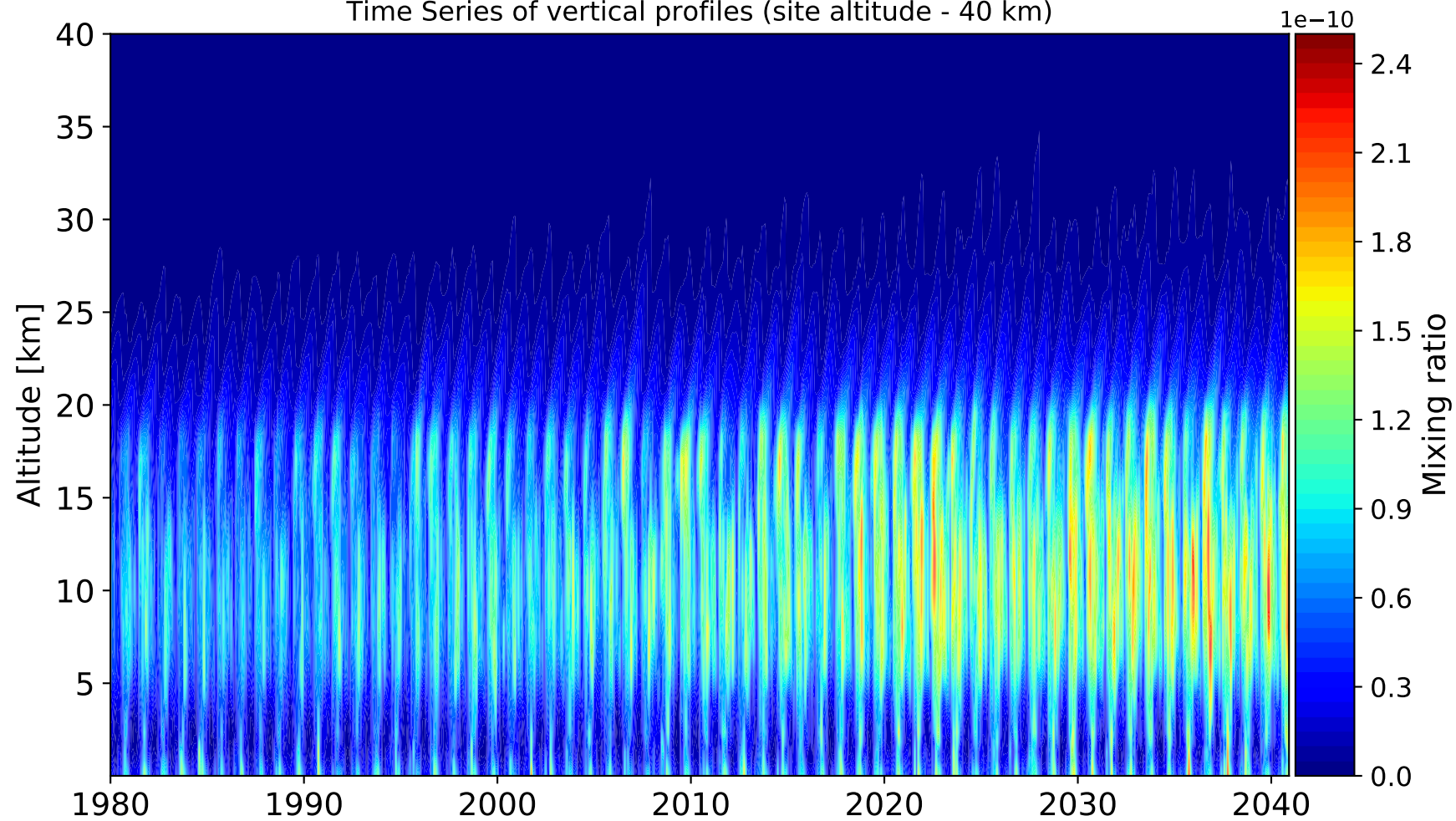


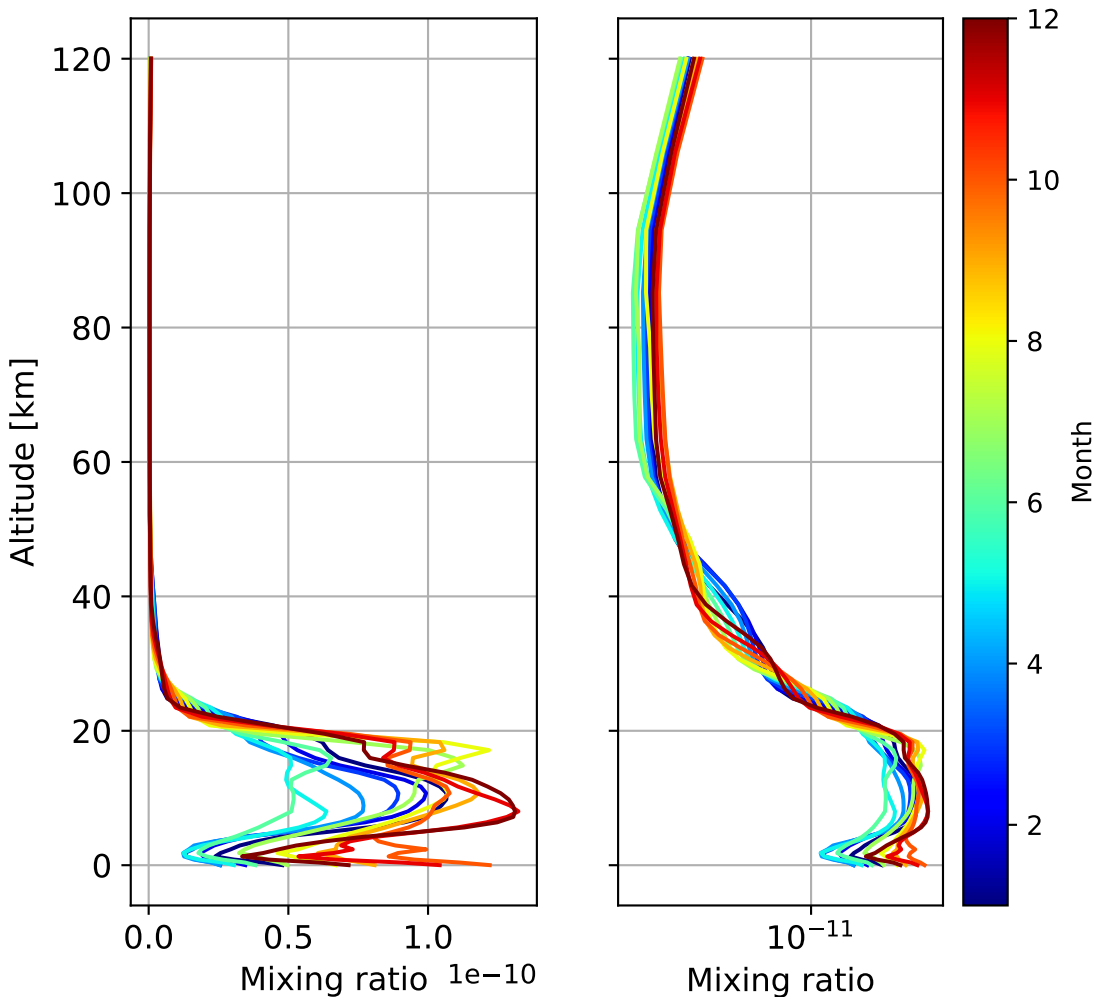
Time Series of vertical profiles (site altitude - 120 km)



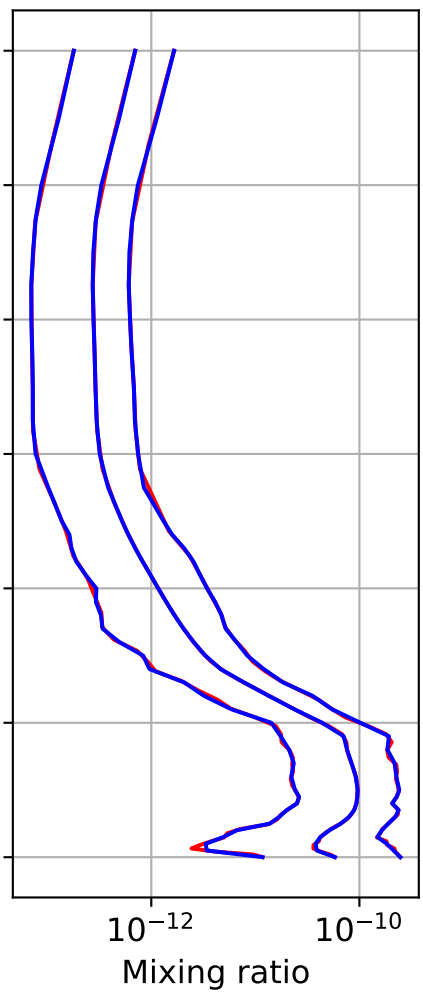
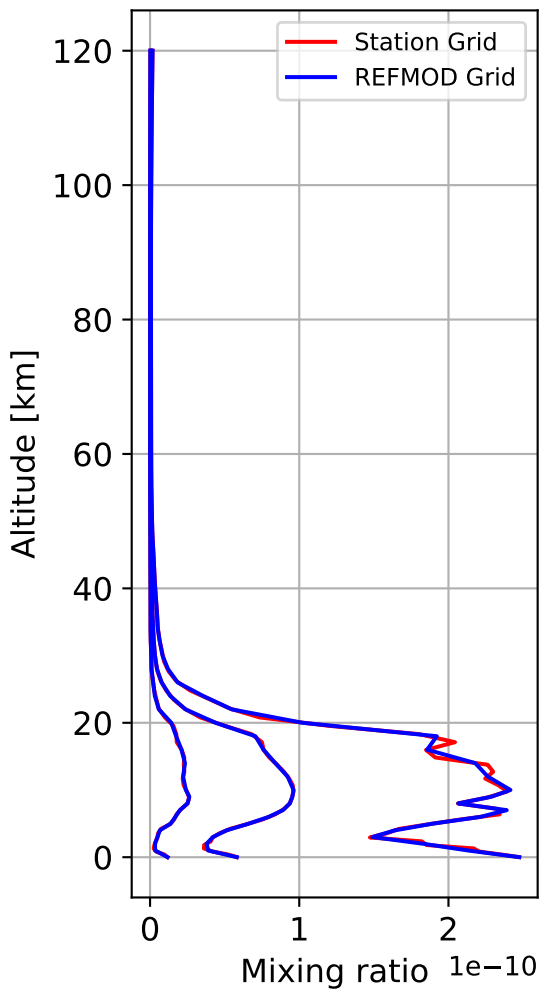
Time Series of vertical profiles (site altitude - 40 km)



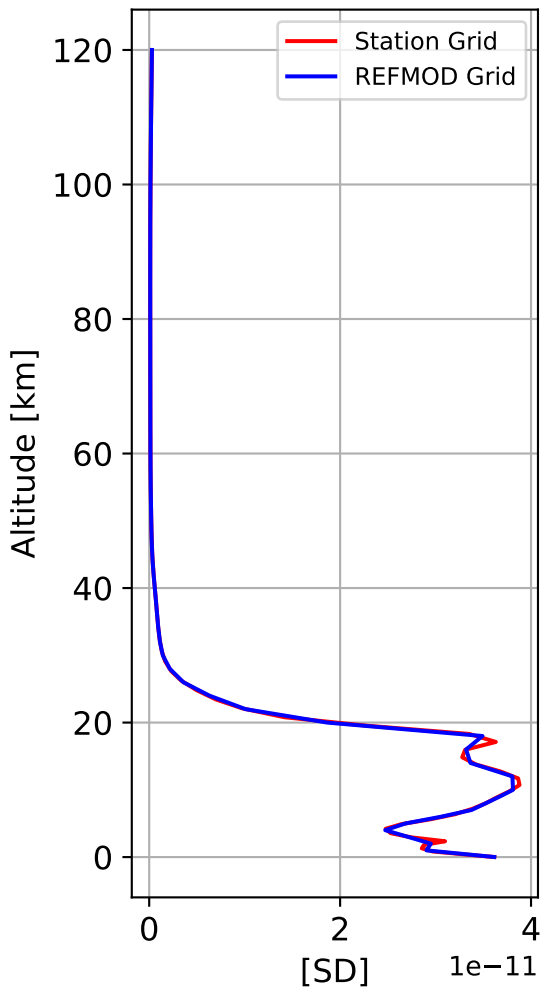
Monthly mean WACCM profile (interpolated to station grid)  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



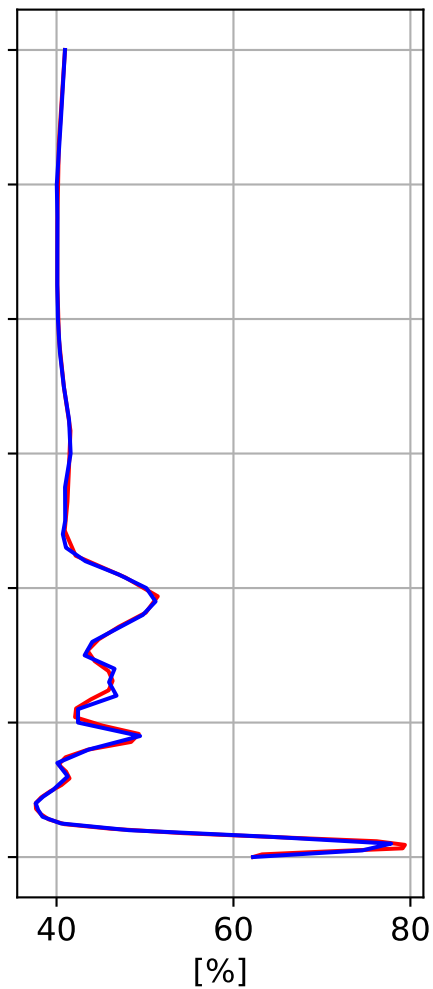
Min, Max, Mean of 732 profiles  
Ascension, -7.9165N, 345.6675E, 0.01kmasl



Std. Deviation



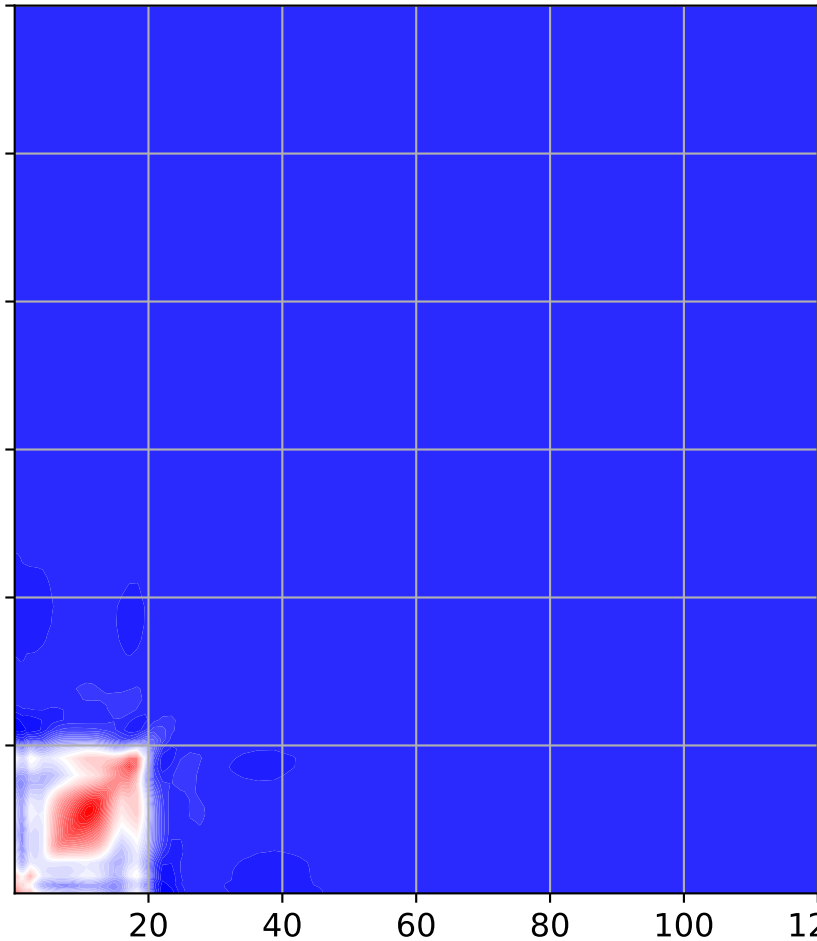
Percent Deviation



Level covariance matrix

 $1e-21$ 

Altitude [km]

120  
100  
80  
60  
40  
20

20

40

60

80

100

120

Altitude [km]

Mixing ratio<sup>2</sup>

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0