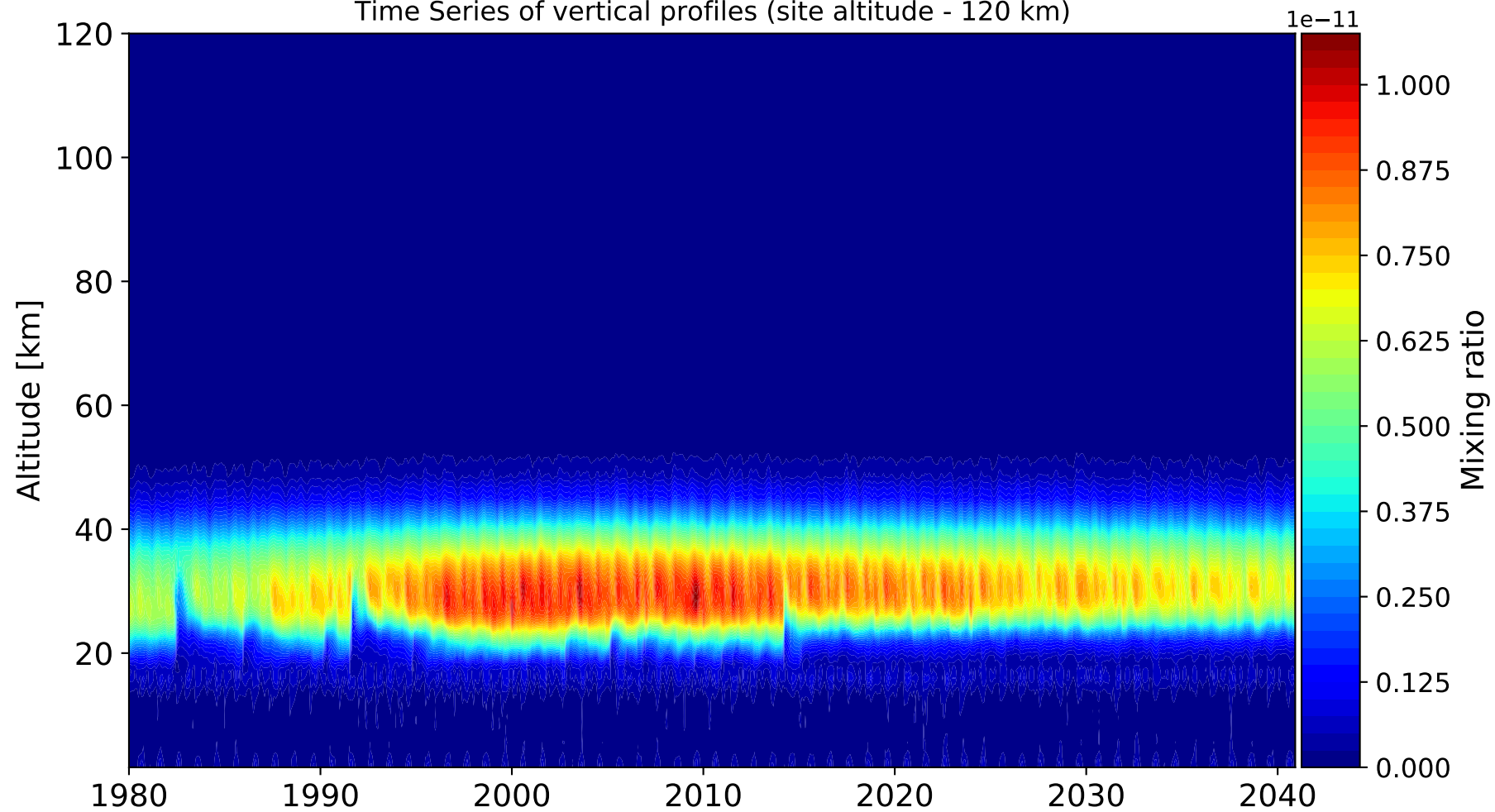
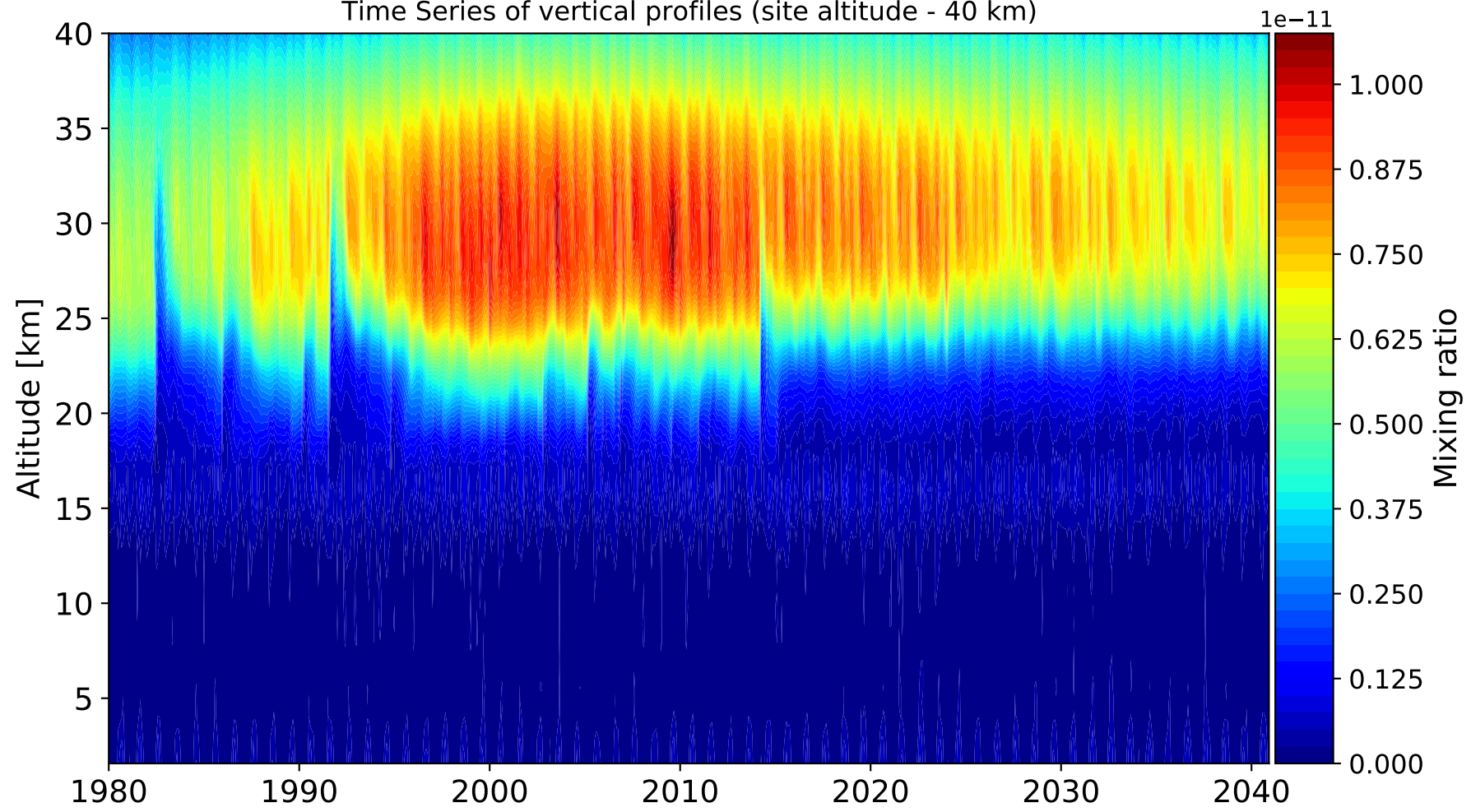


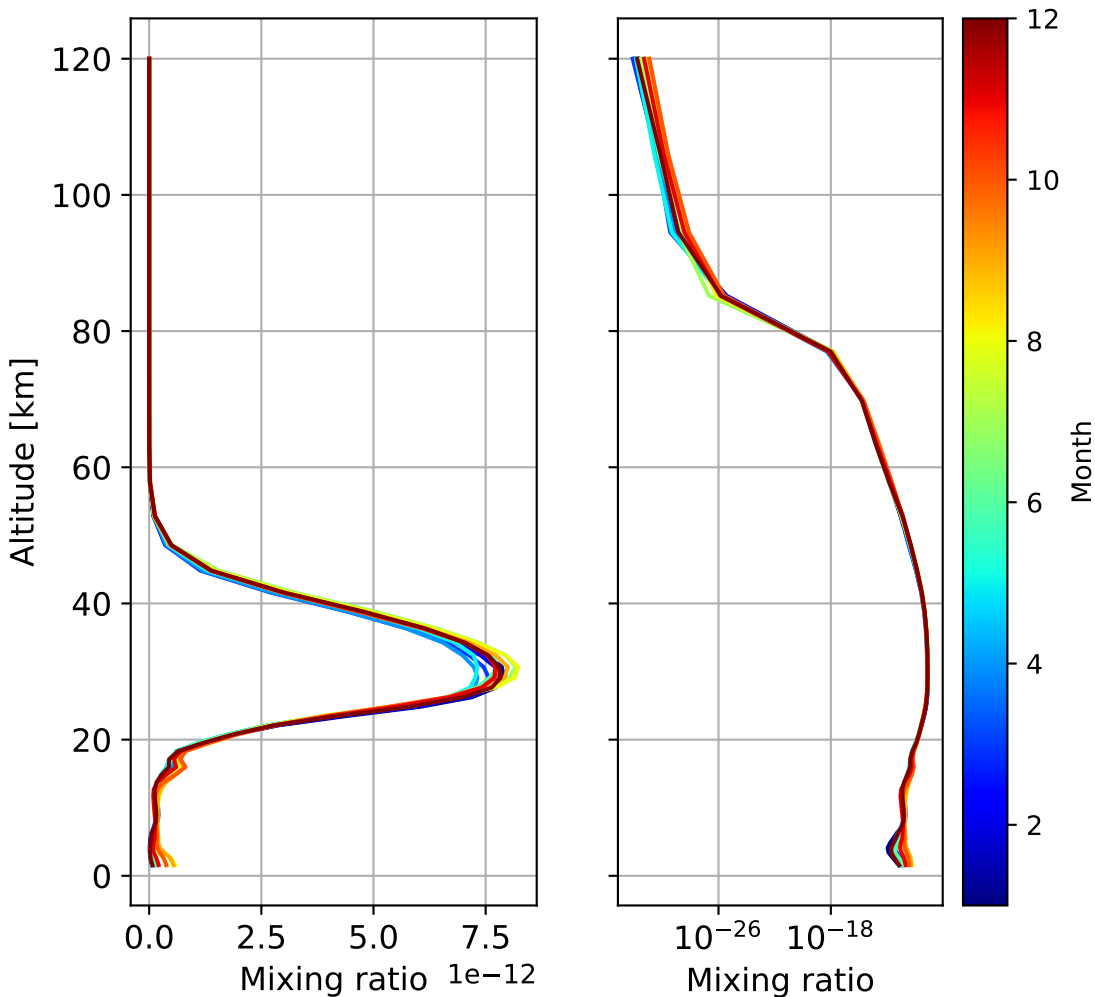
Time Series of vertical profiles (site altitude - 120 km)



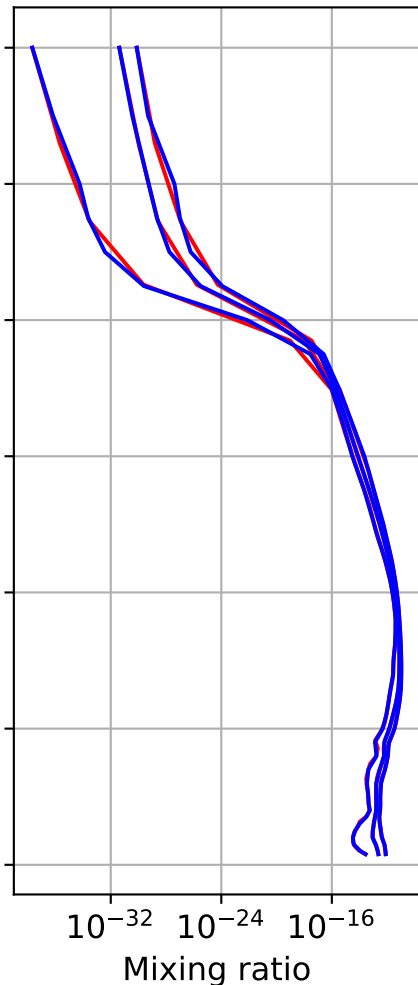
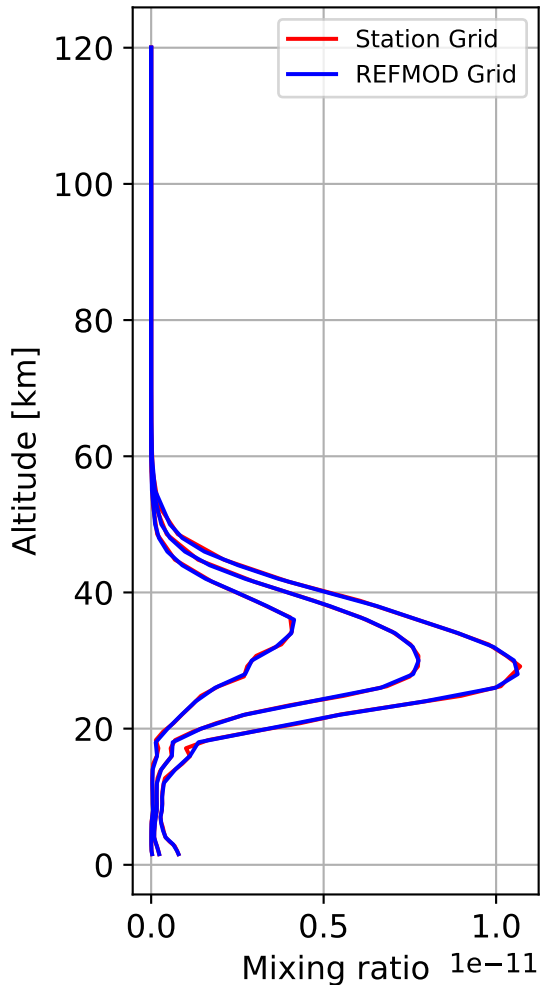
Time Series of vertical profiles (site altitude - 40 km)



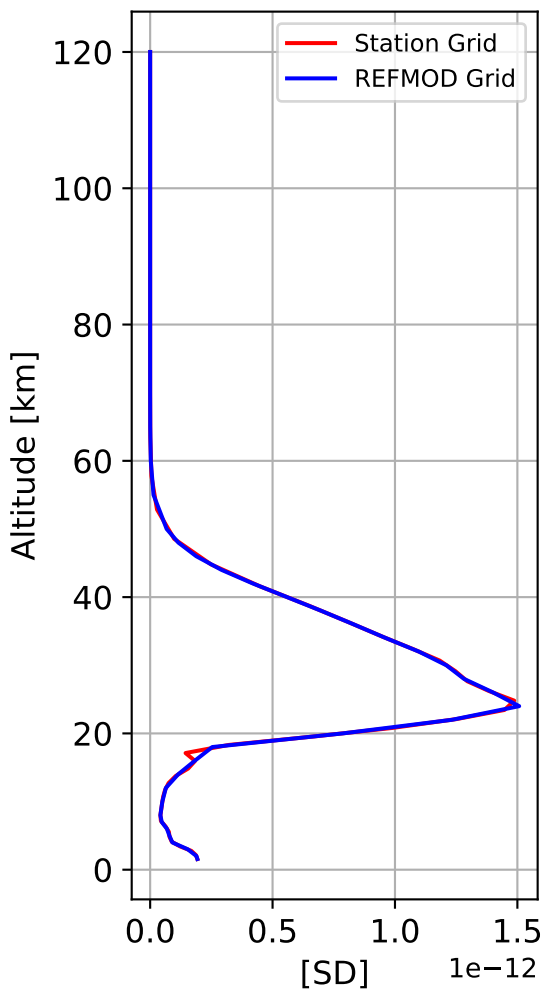
# Monthly mean WACCM profile (interpolated to station grid) Kigali, -1.94N, 30.06E, 1.567kmasl



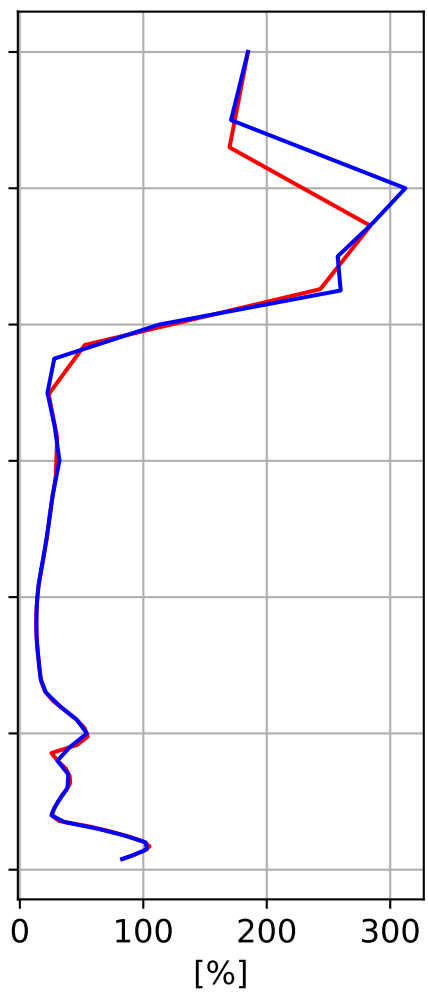
Min, Max, Mean of 732 profiles  
Kigali, -1.94N, 30.06E, 1.567kmasl



### Std. Deviation



### Percent Deviation



# Level covariance matrix

$1e-24$

Altitude [km]

120

100

80

60

40

20

20

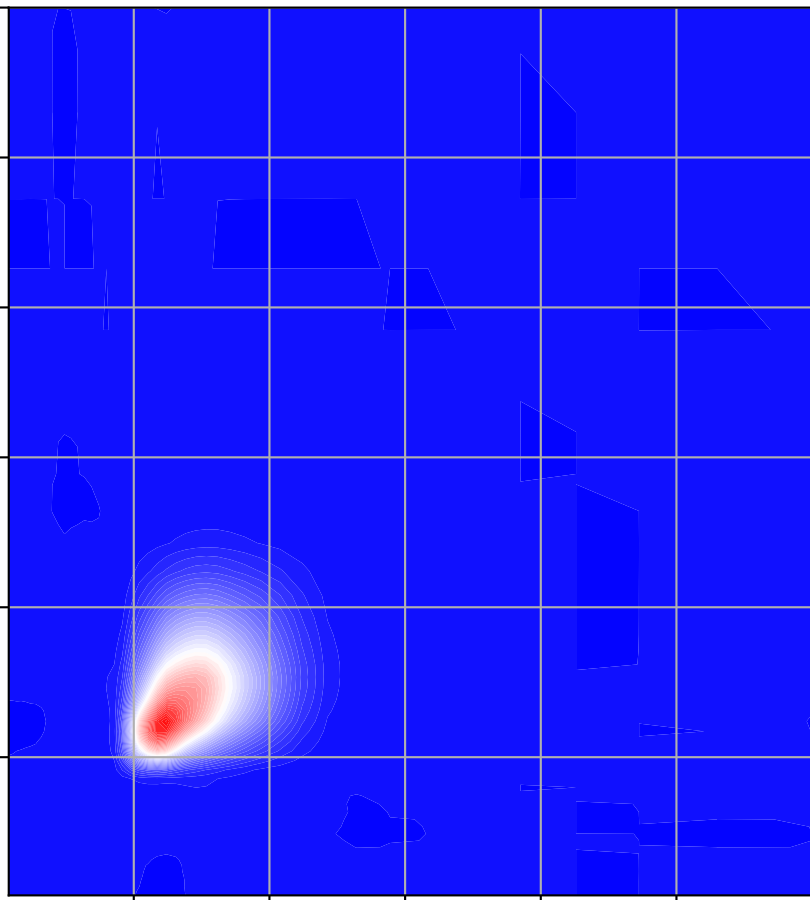
Altitude [km]

40

60

80

100



Mixing ratio[^2]

2.25

2.00

1.75

1.50

1.25

1.00

0.75

0.50

0.25

0.00