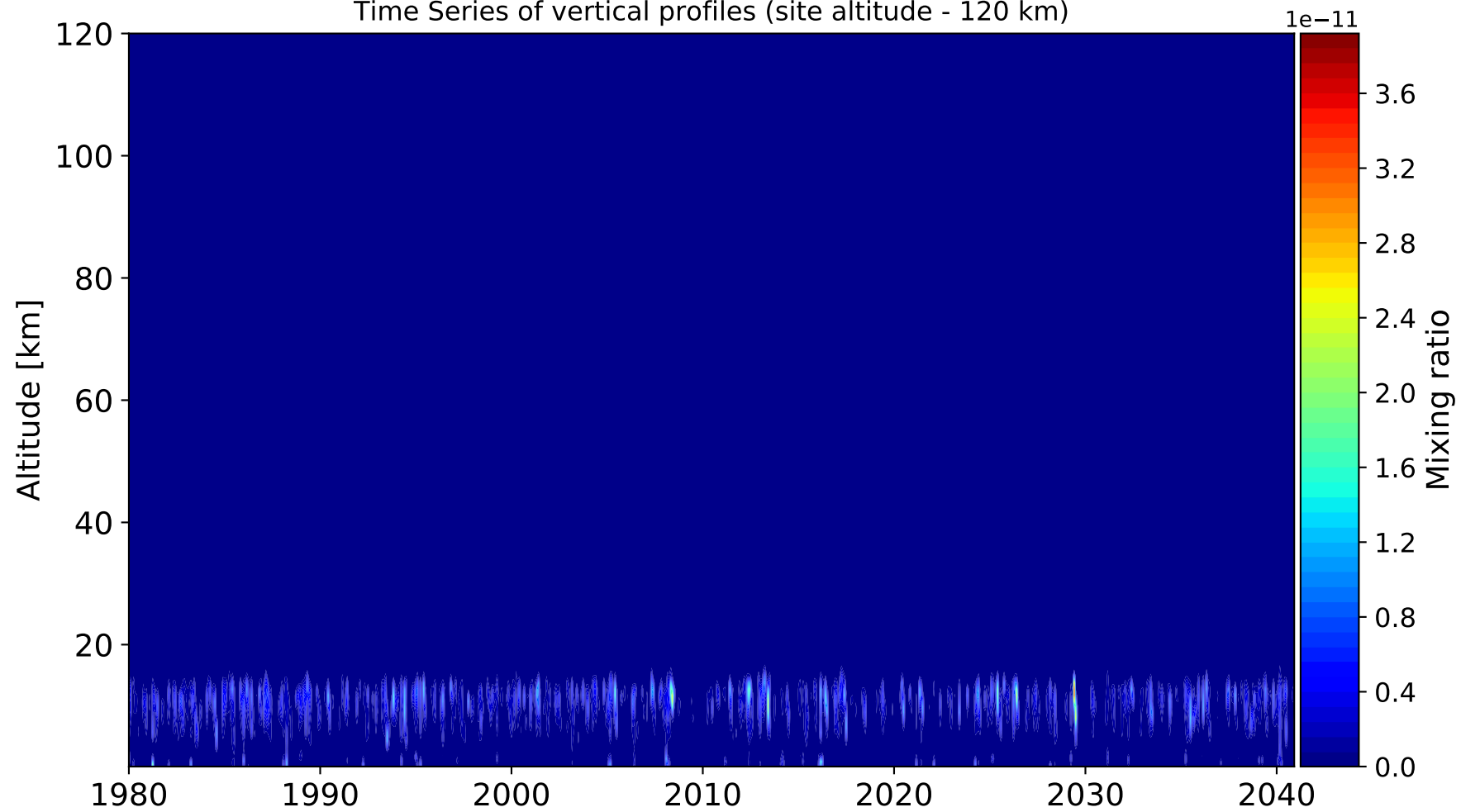


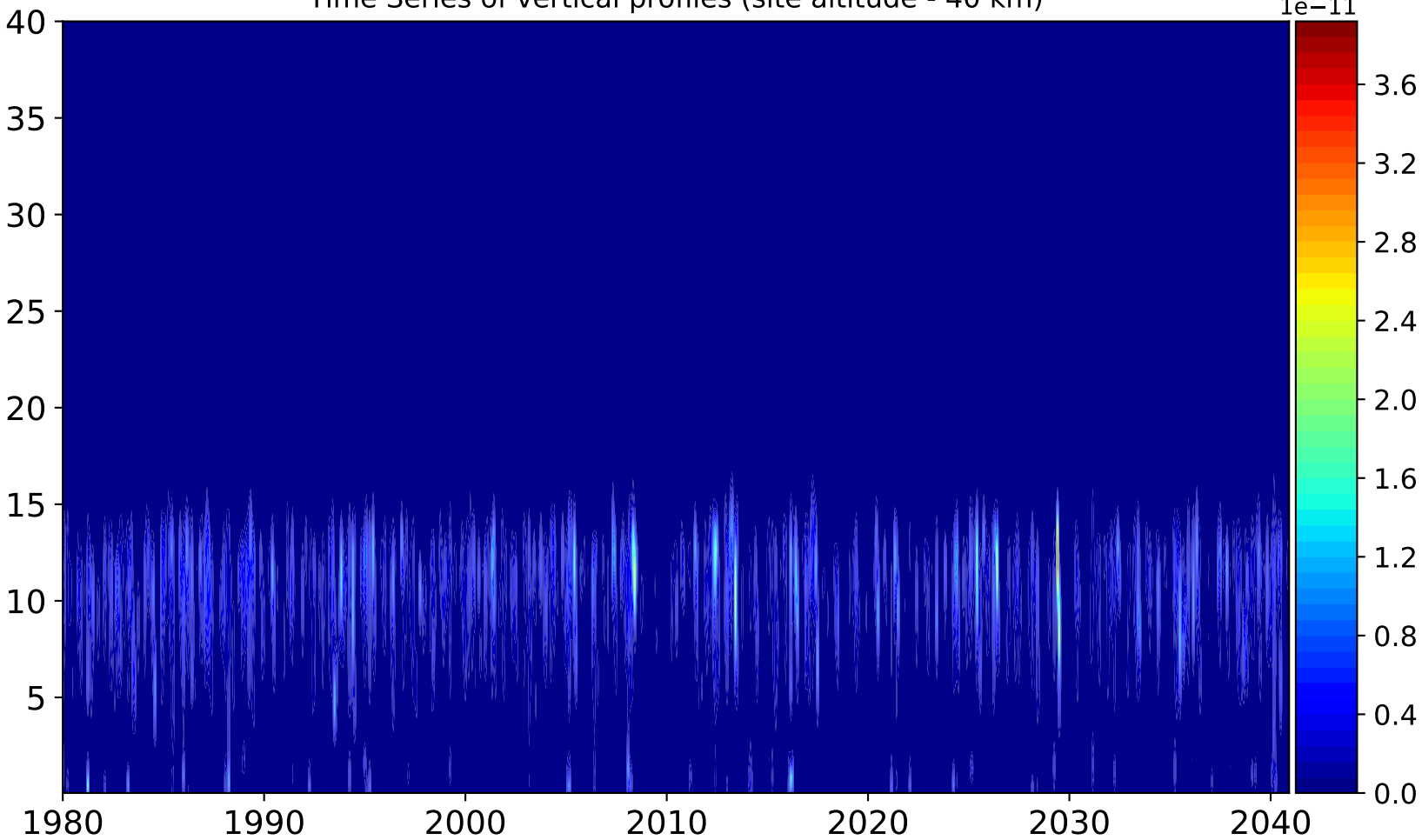
Time Series of vertical profiles (site altitude - 120 km)



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

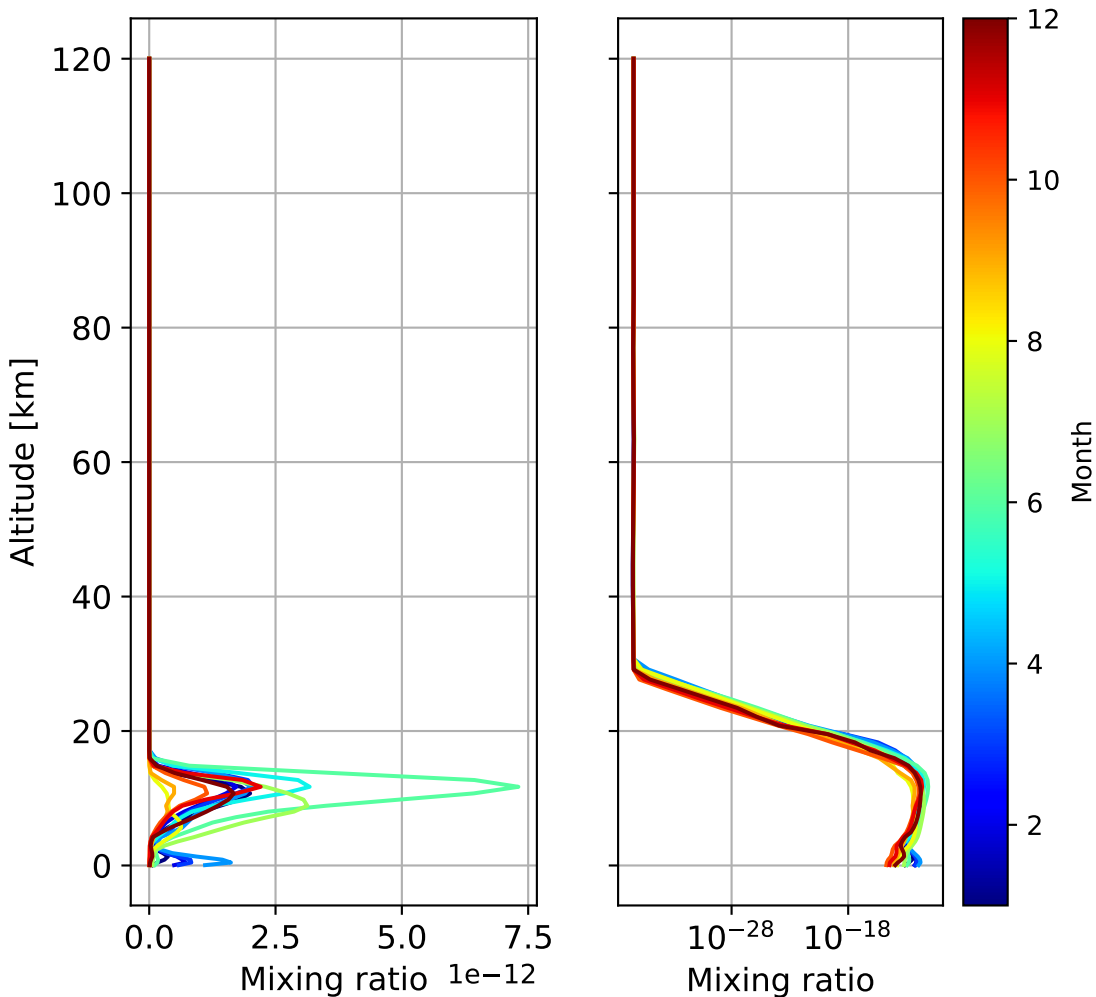
$1e-11$

Altitude [km]

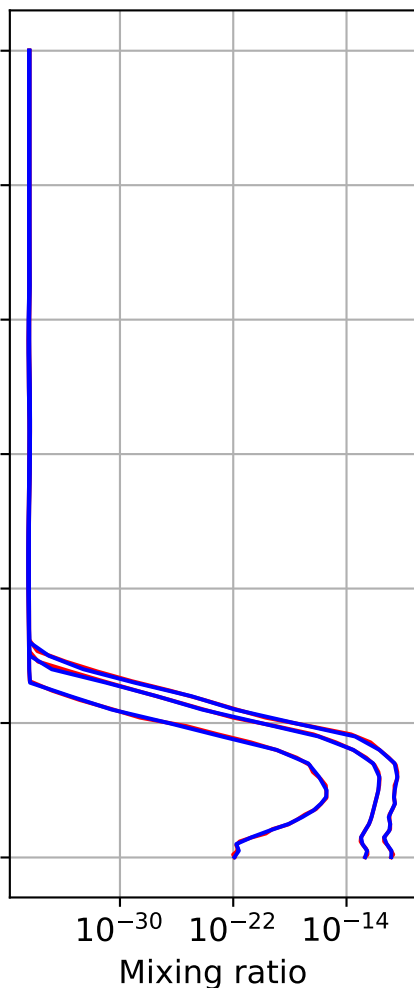
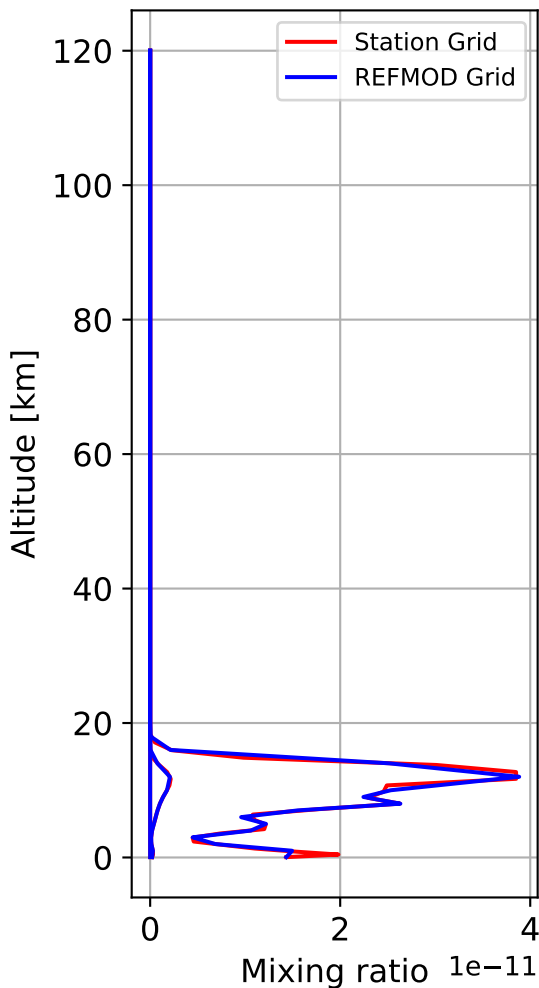


Mixing ratio

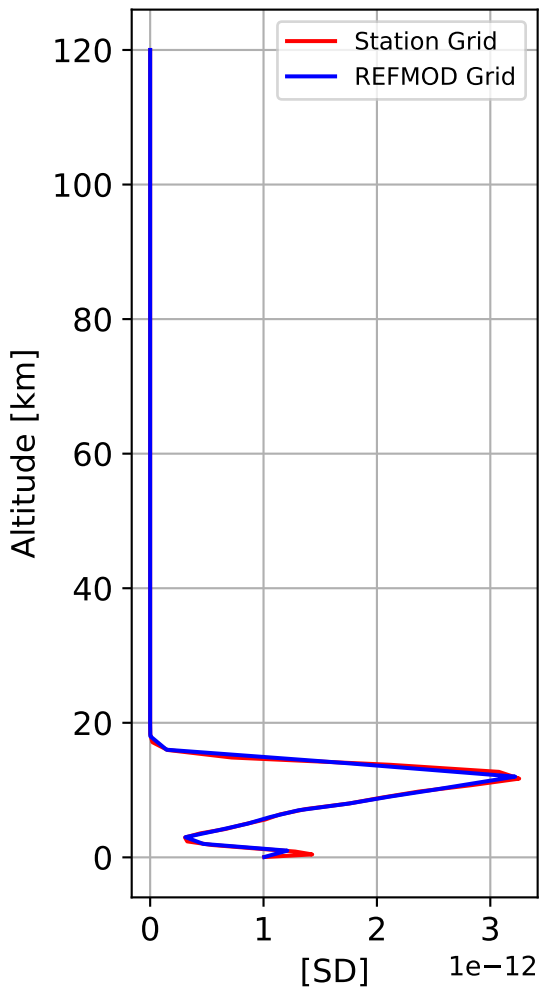
Monthly mean WACCM profile (interpolated to station grid)  
Reunion\_St\_Denis, -20.9N, 55.483E, 0.05kmasl



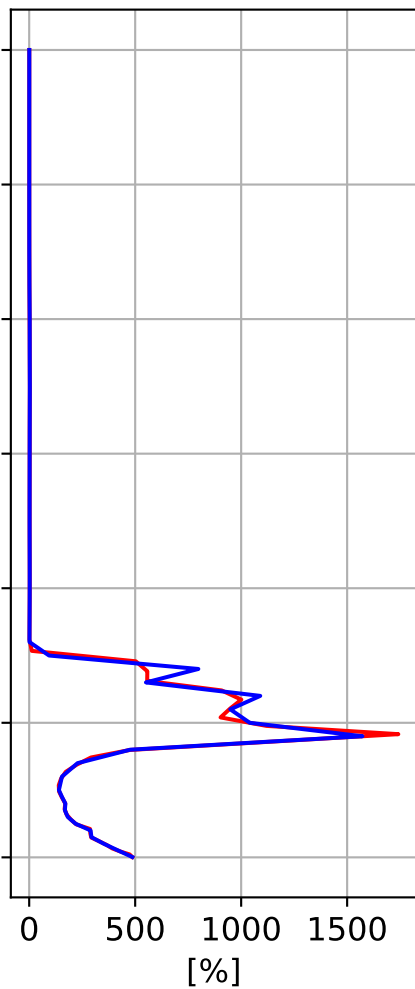
Min, Max, Mean of 732 profiles  
Reunion\_St\_Denis, -20.9N, 55.483E, 0.05kmasl



Std. Deviation



Percent Deviation

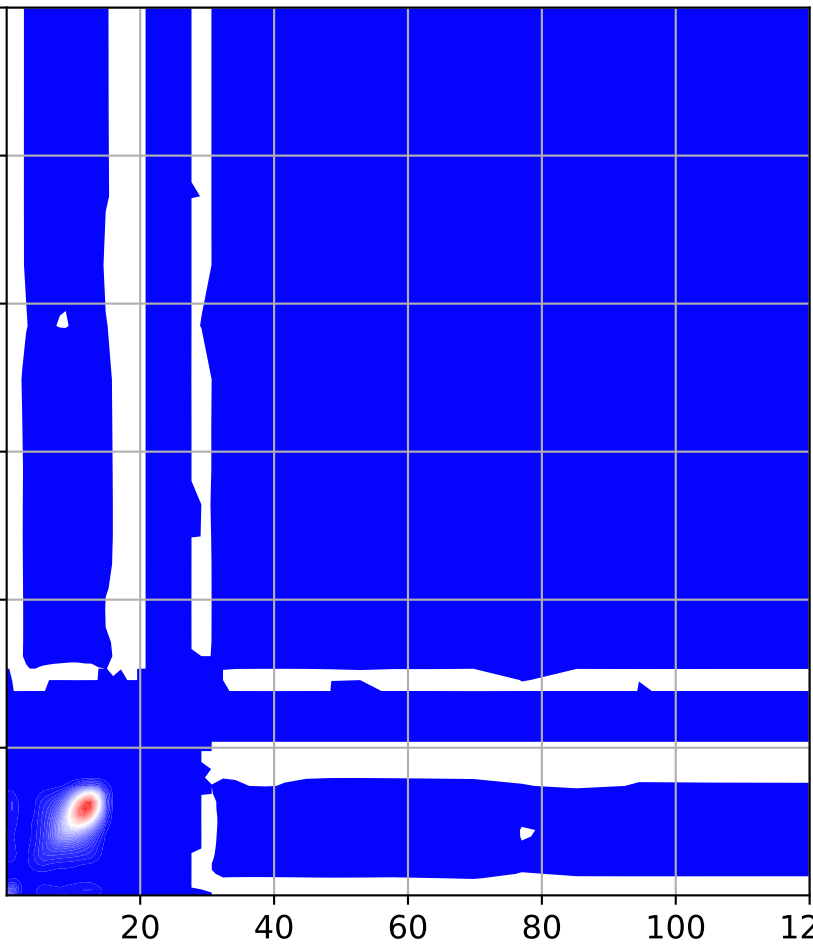


# Level covariance matrix

$1e-23$

Altitude [km]

120  
100  
80  
60  
40  
20



1.000  
0.875  
0.750  
0.625  
0.500  
0.375  
0.250  
0.125  
0.000

Mixing ratio<sup>2</sup>

Altitude [km]