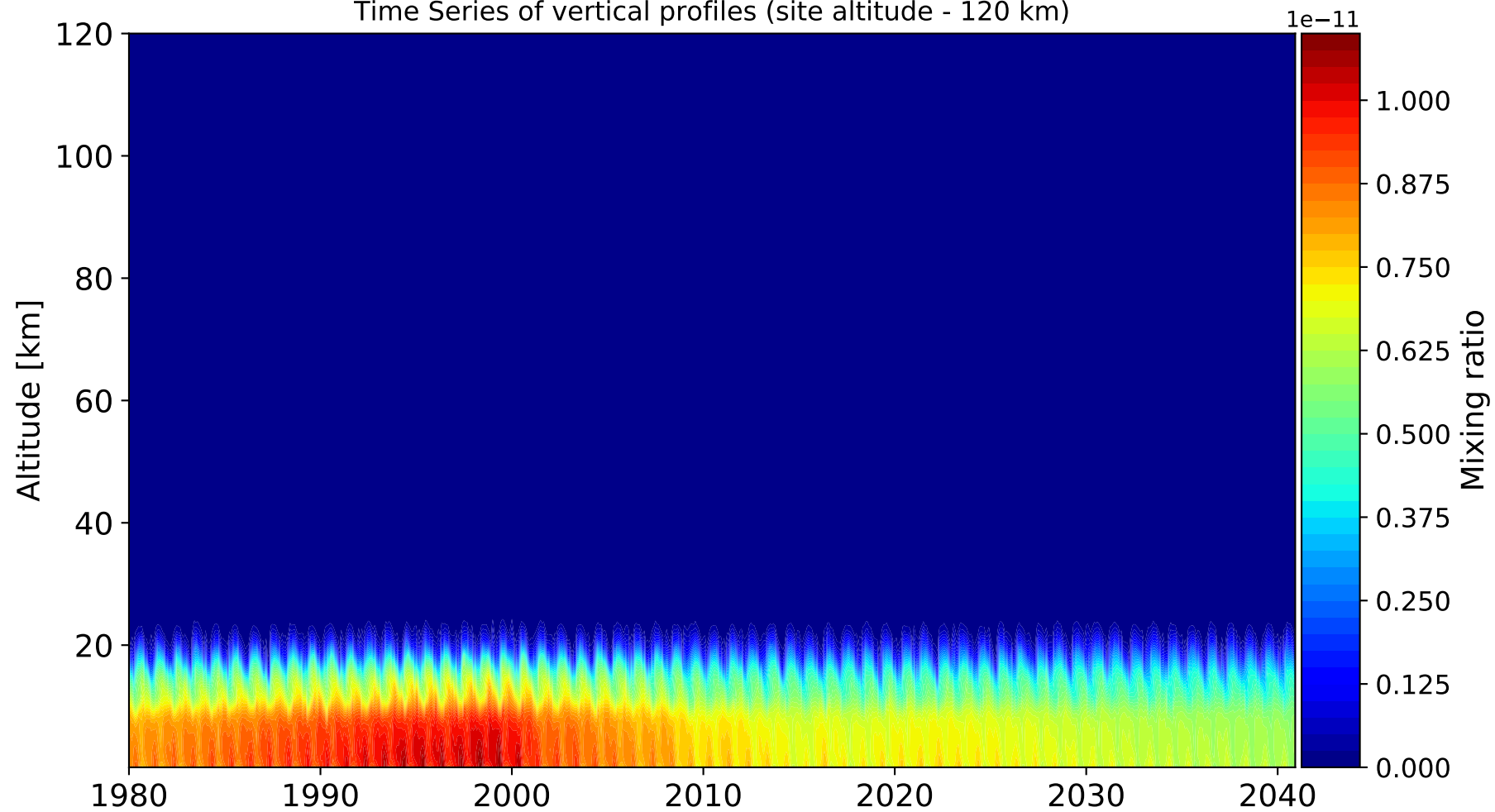
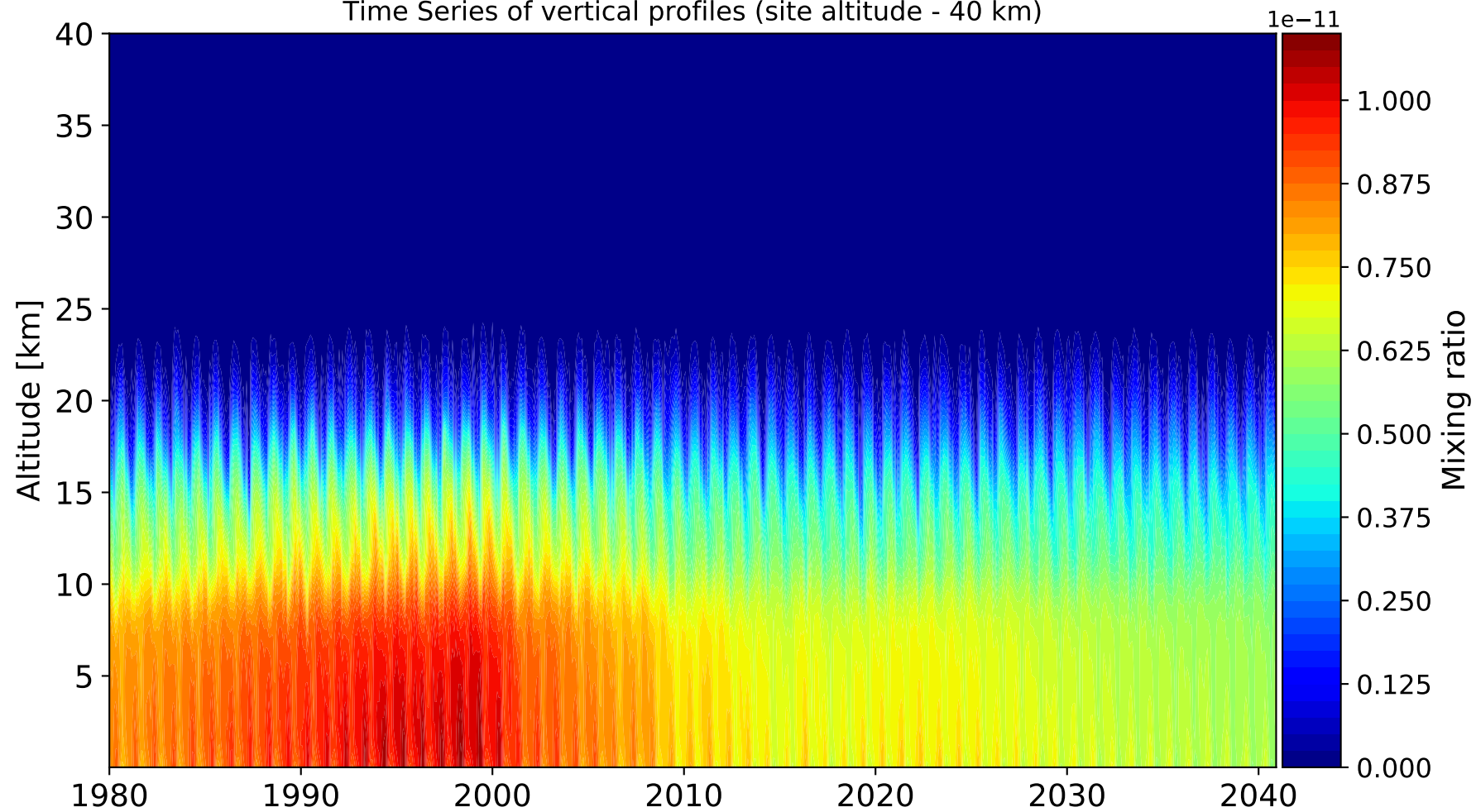


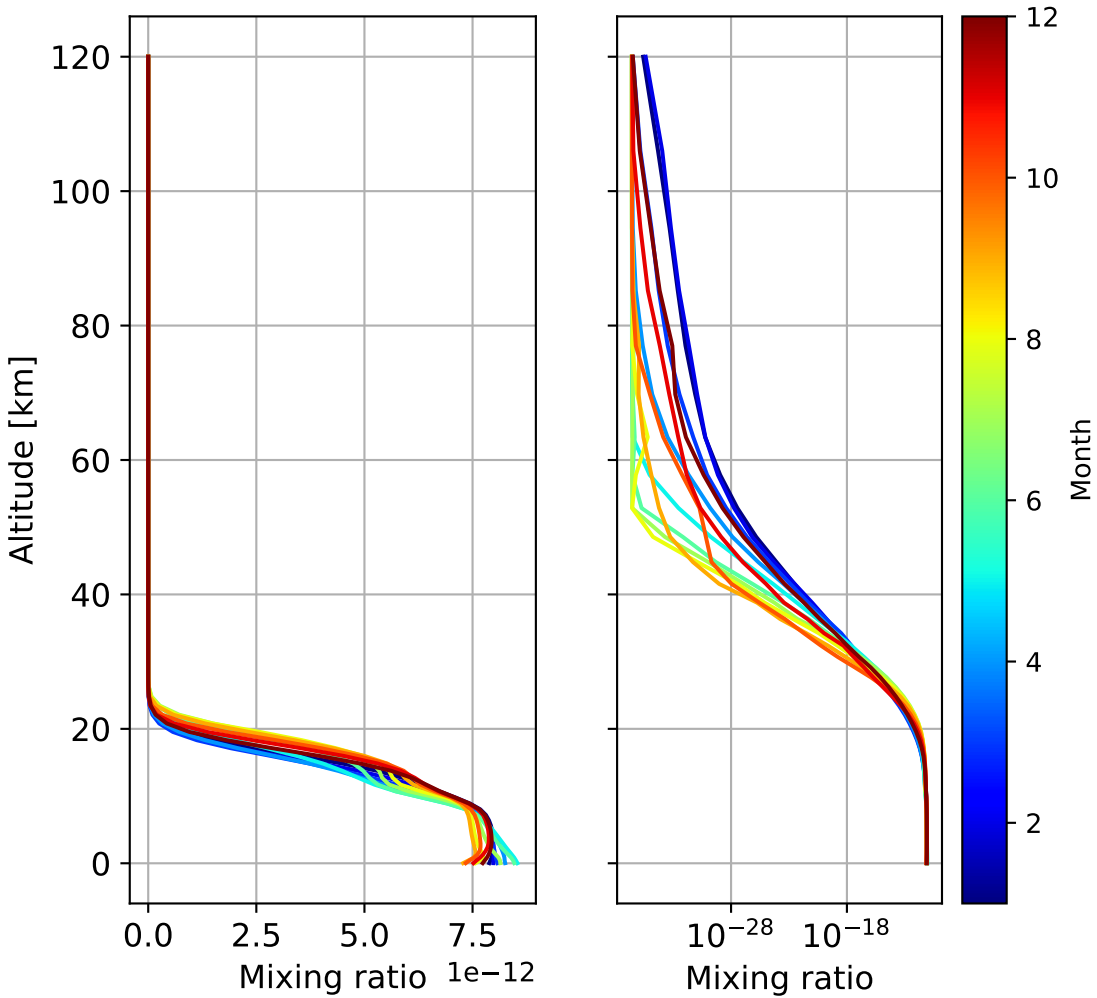
Time Series of vertical profiles (site altitude - 120 km)



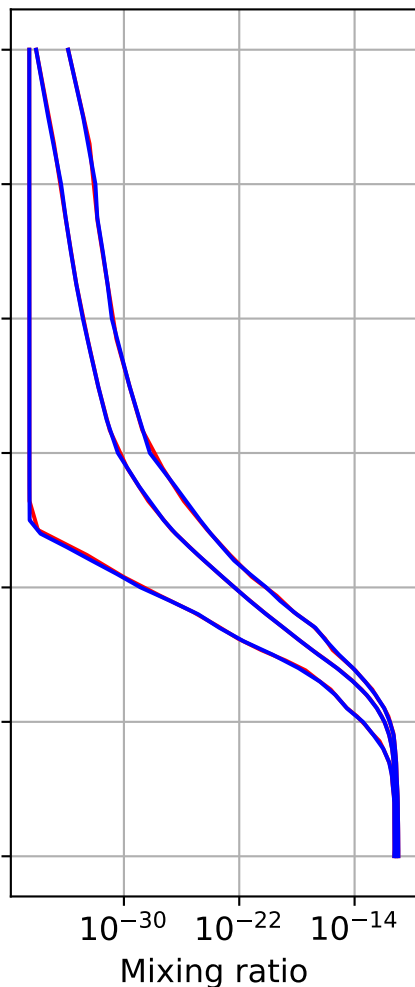
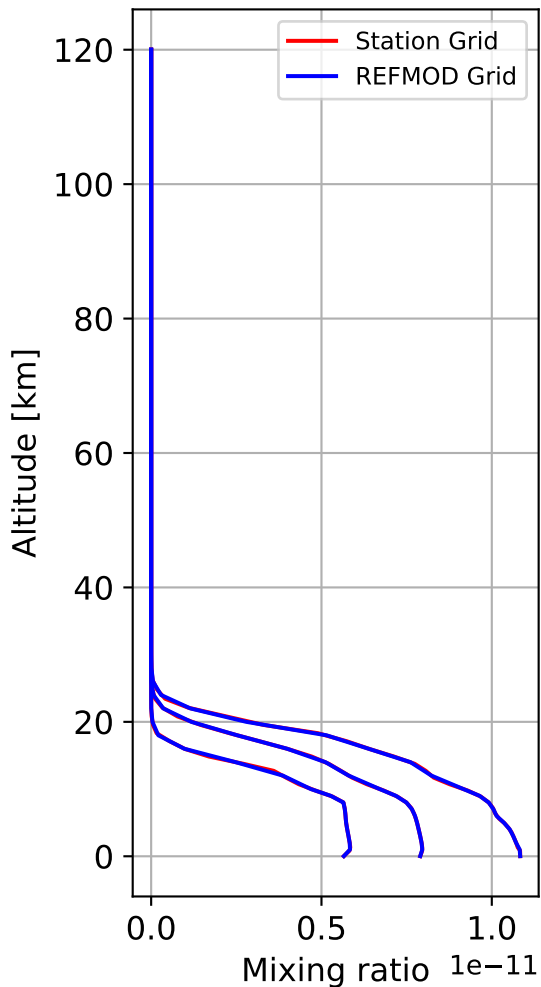
Time Series of vertical profiles (site altitude - 40 km)



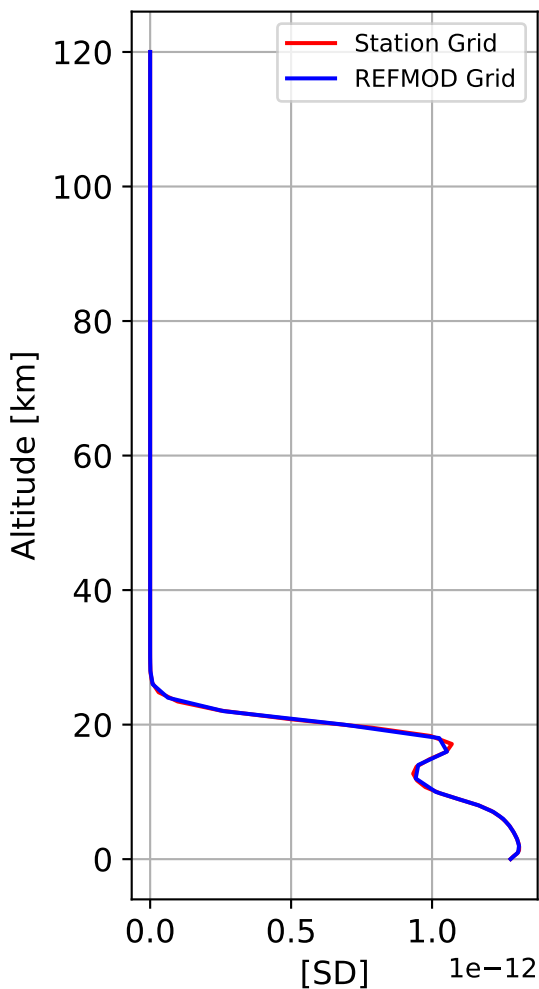
Monthly mean WACCM profile (interpolated to station grid)  
Ny\_Alesund, 78.9N, 11.9E, 0.02kmasl



Min, Max, Mean of 732 profiles  
Ny\_Alesund, 78.9N, 11.9E, 0.02kmasl



### Std. Deviation



### Percent Deviation

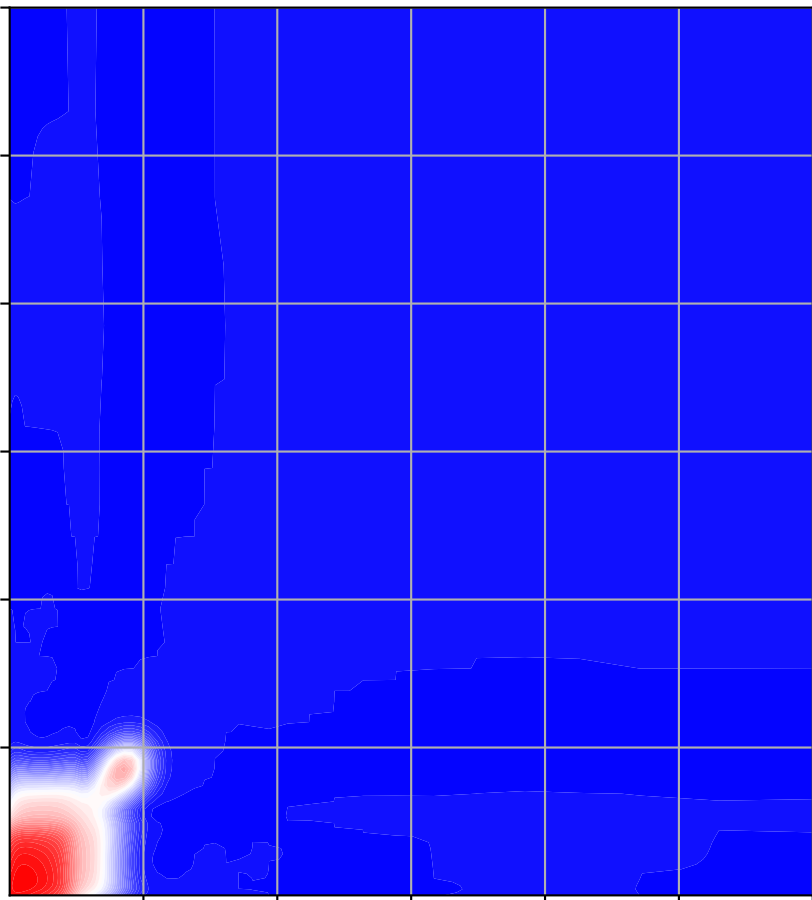


# Level covariance matrix

$1e-24$

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

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