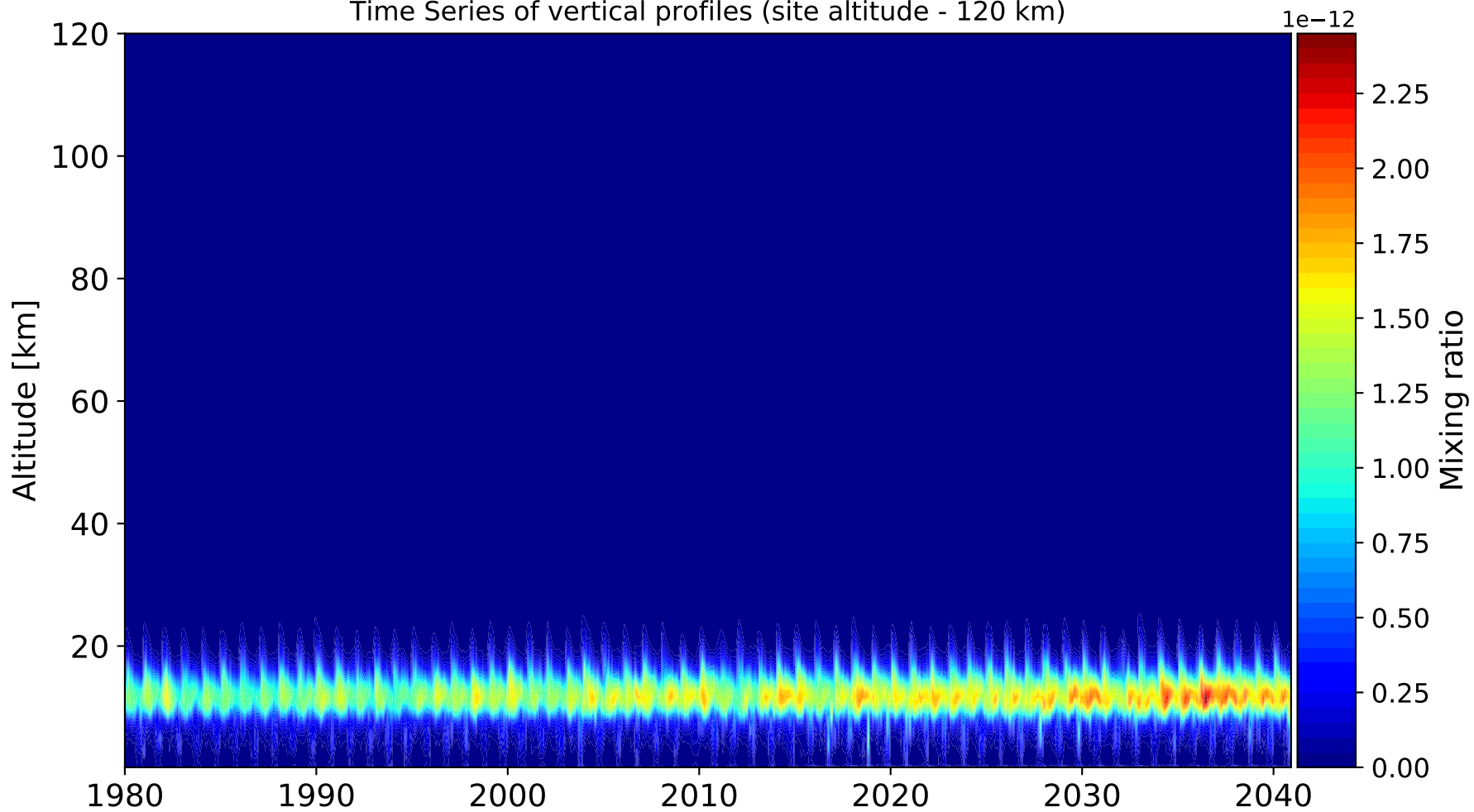
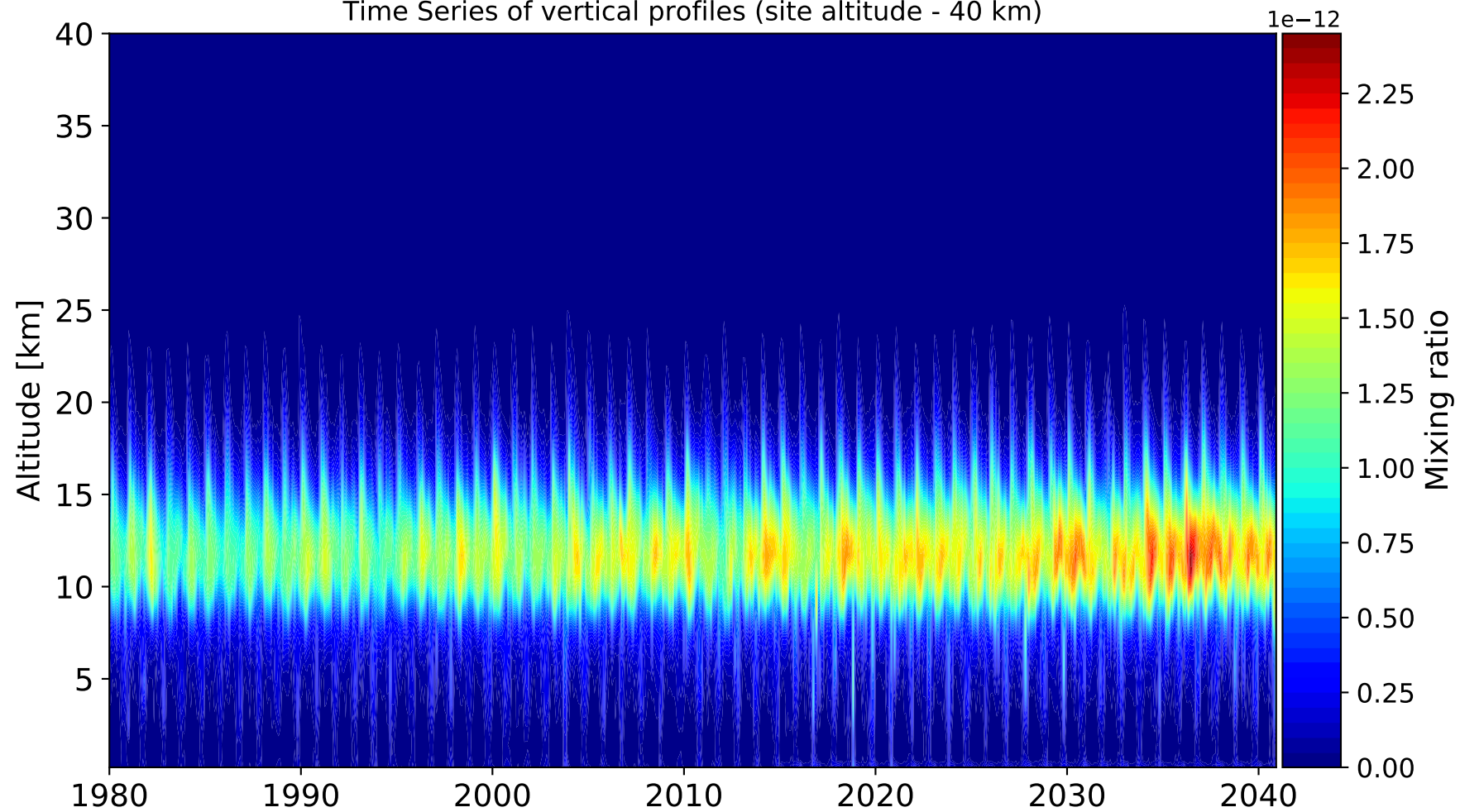


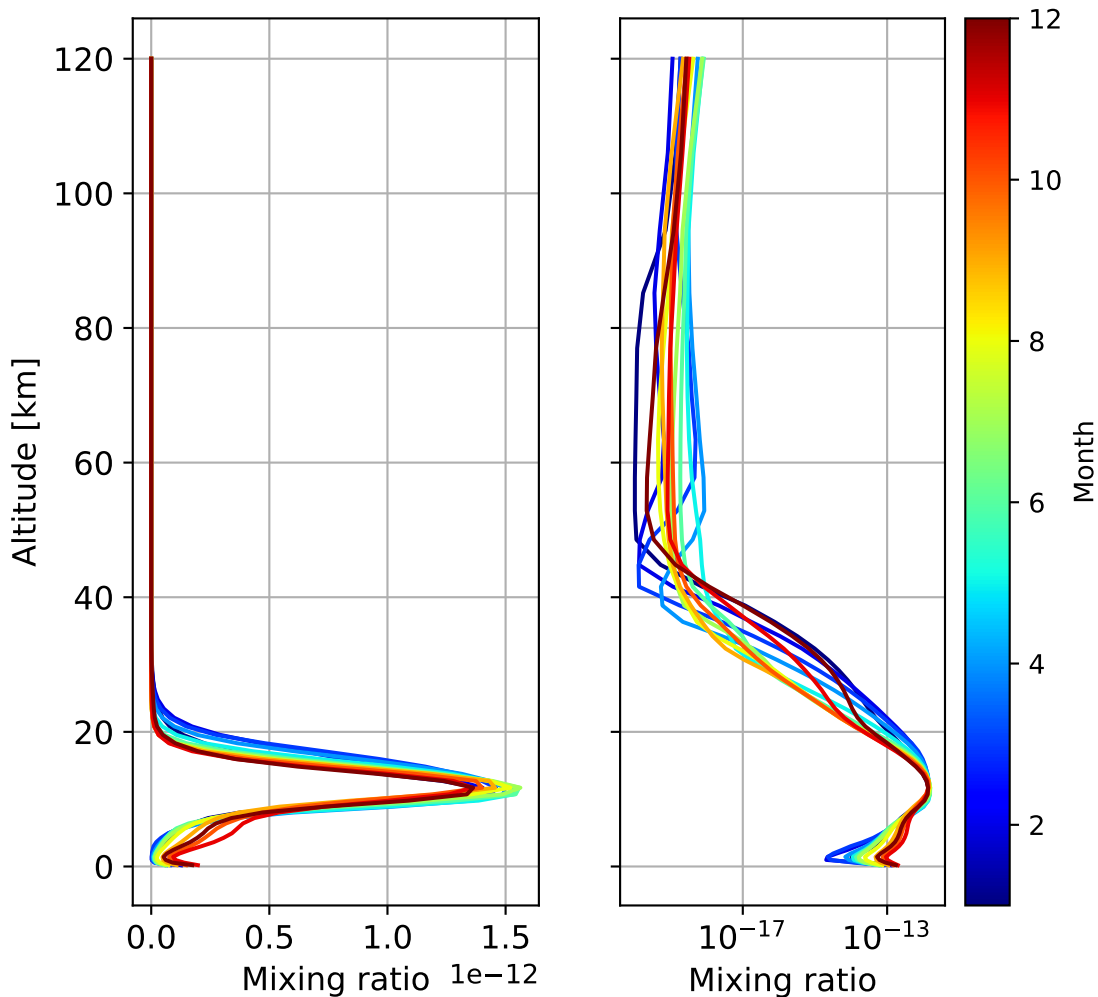
Time Series of vertical profiles (site altitude - 120 km)



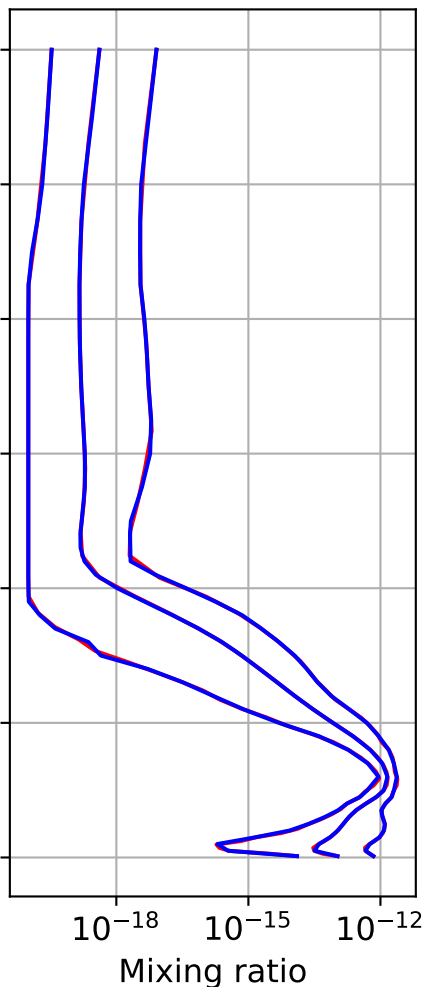
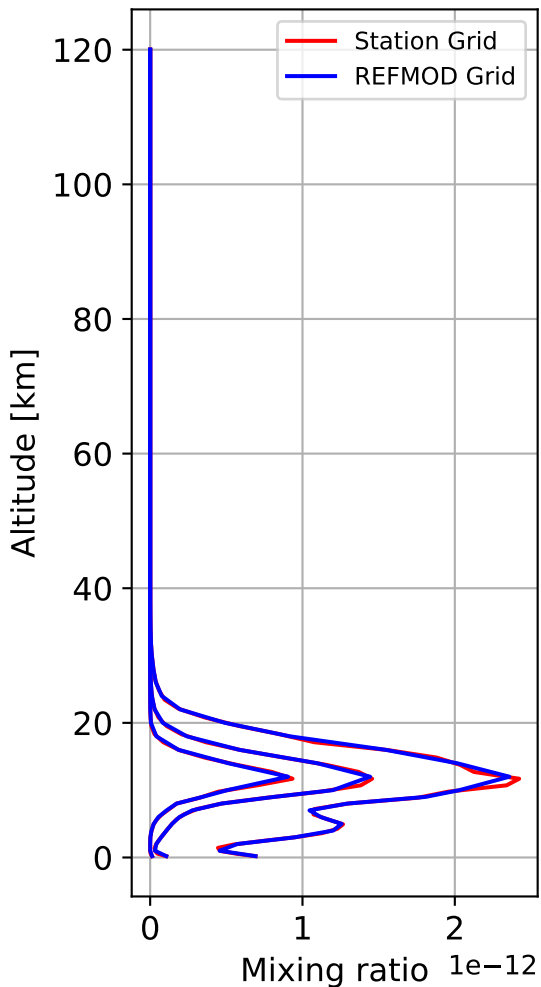
Time Series of vertical profiles (site altitude - 40 km)



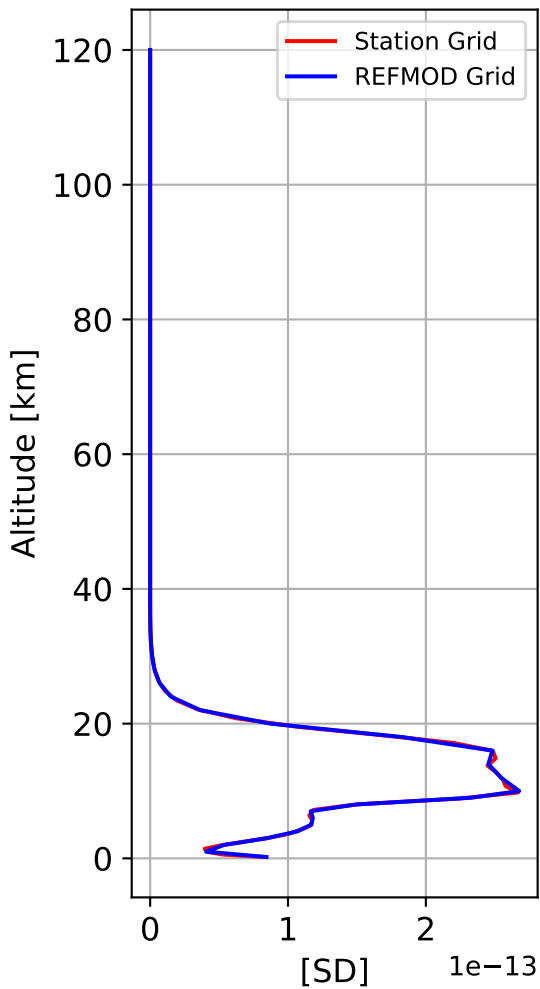
Monthly mean WACCM profile (interpolated to station grid)  
Arrival\_Heights, -78.83N, 166.66E, 0.2kmasl



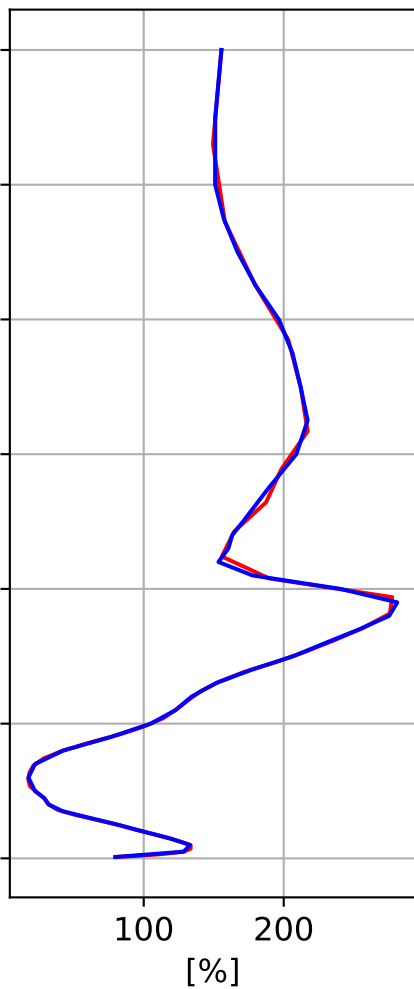
Min, Max, Mean of 732 profiles  
Arrival\_Heights, -78.83N, 166.66E, 0.2kmasl



### Std. Deviation



### Percent Deviation

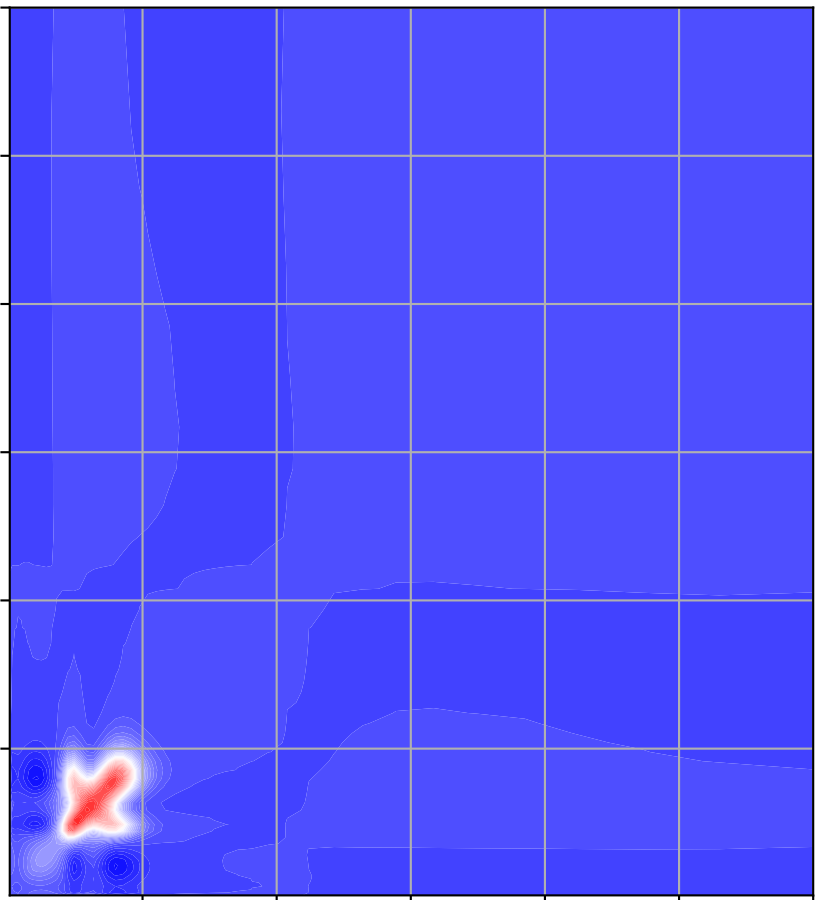


# Level covariance matrix

$1e-26$

Altitude [km]

120  
100  
80  
60  
40  
20



Mixing ratio<sup>2</sup>]

7  
6  
5  
4  
3  
2  
1  
0  
-1

Altitude [km]

120  
100  
80  
60  
40  
20