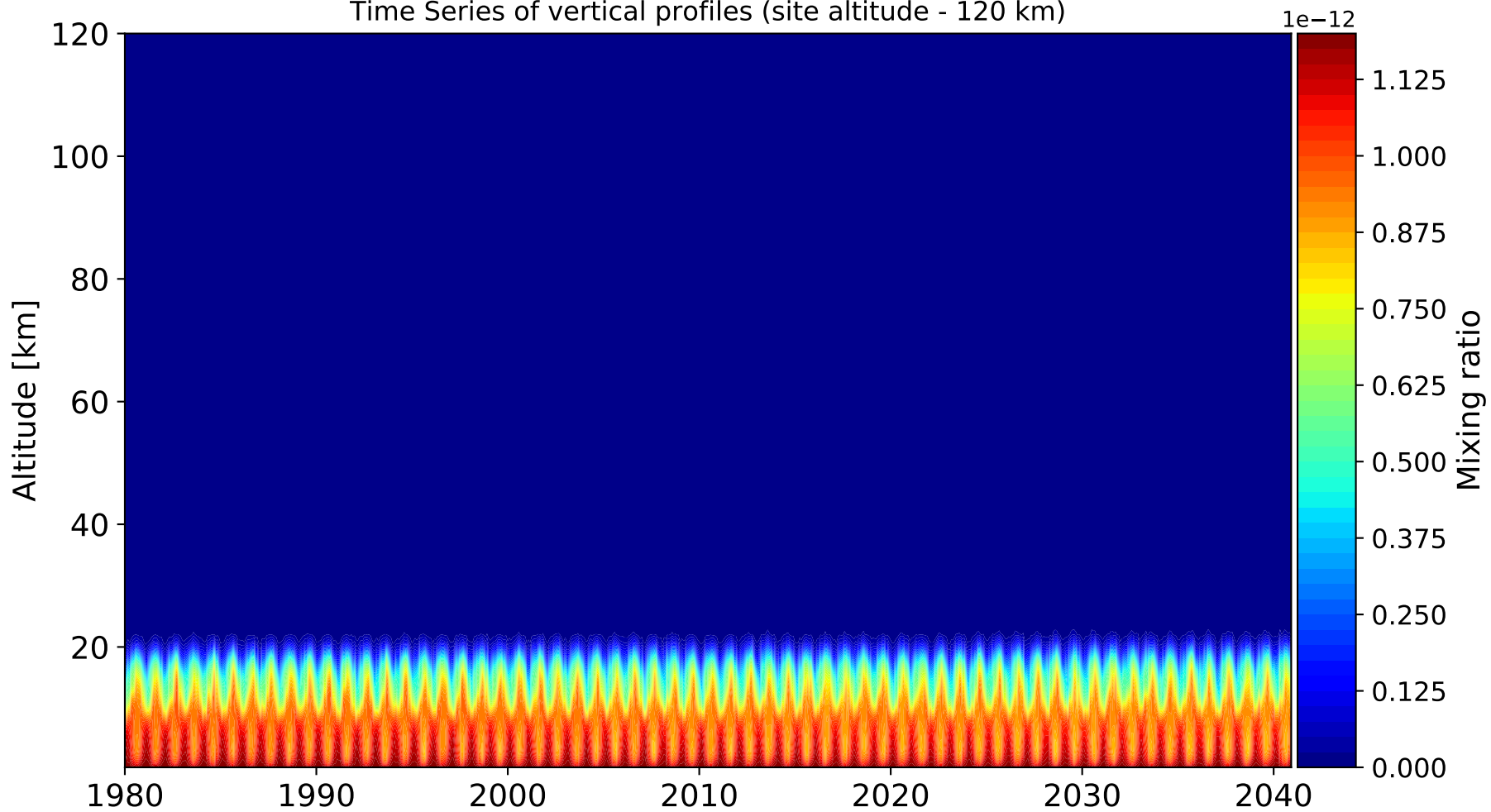
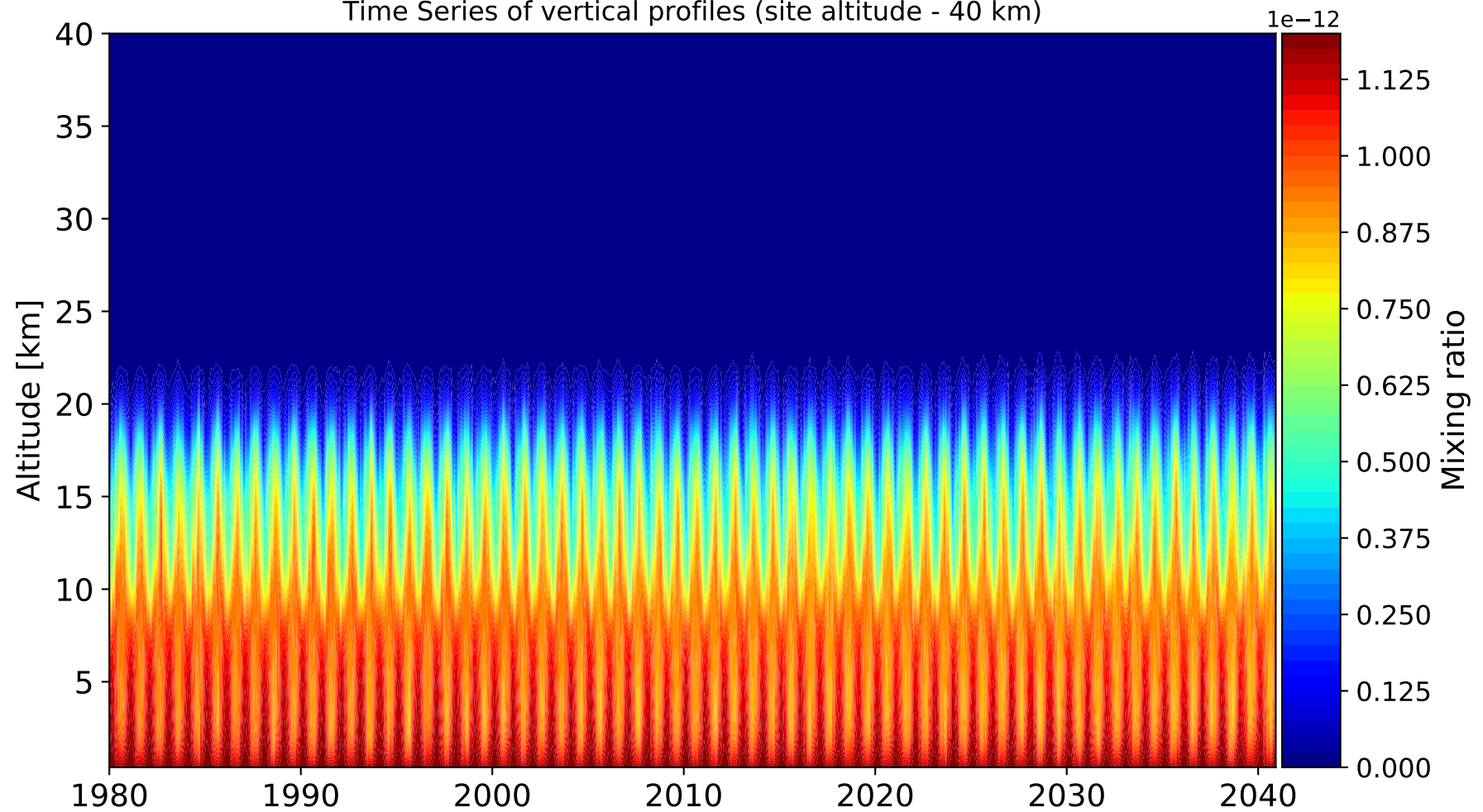


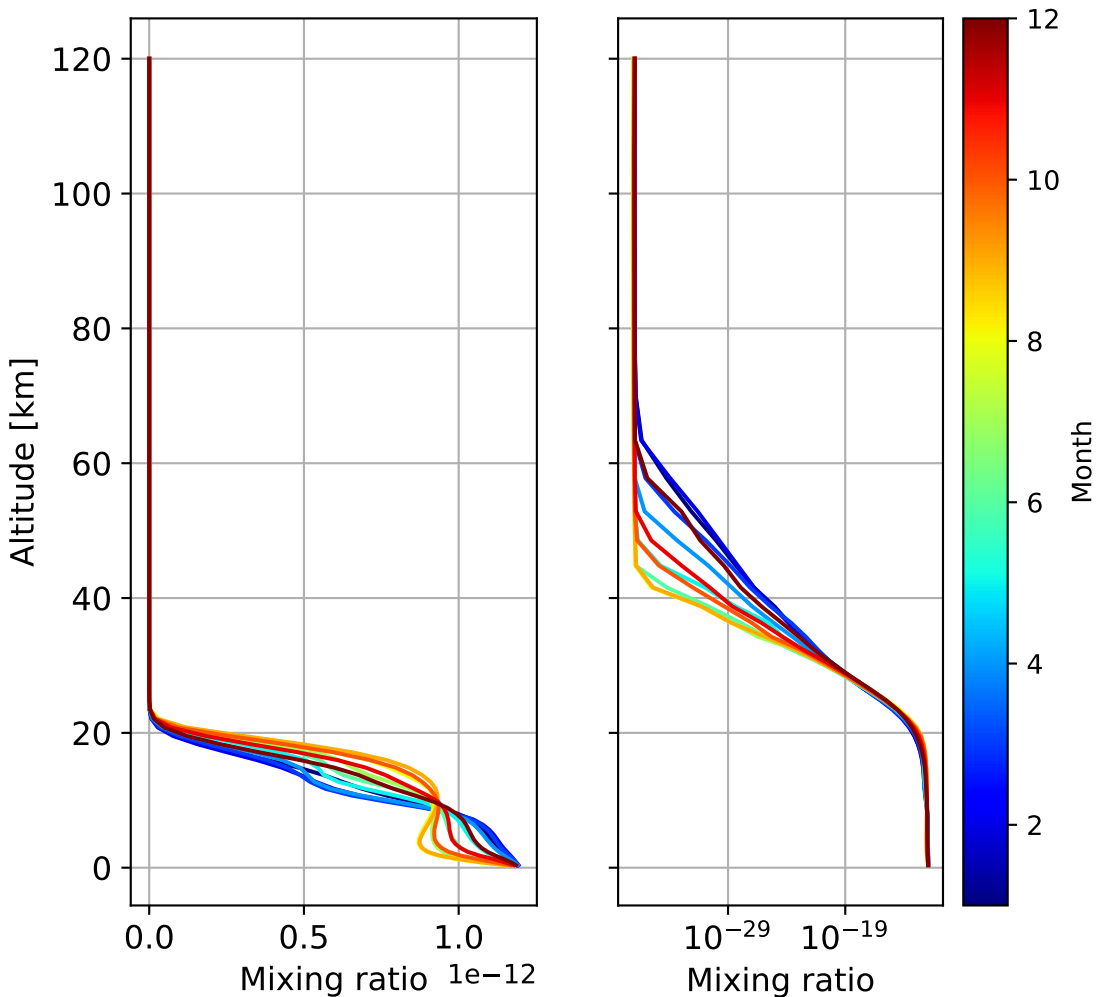
Time Series of vertical profiles (site altitude - 120 km)



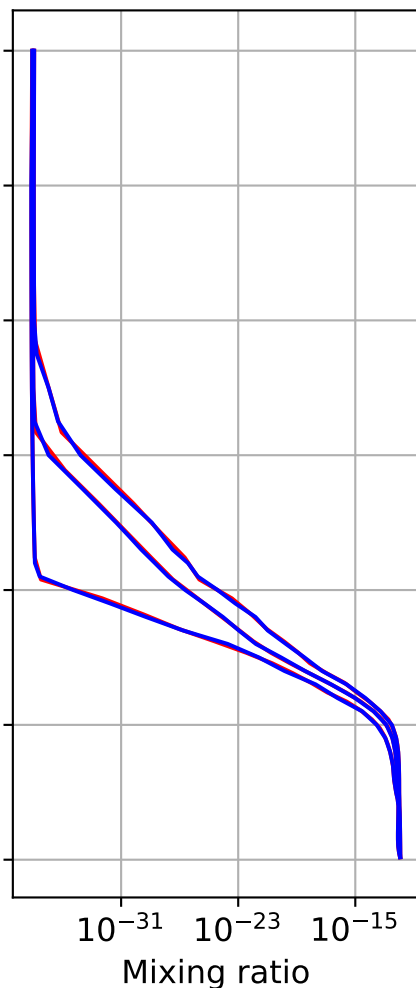
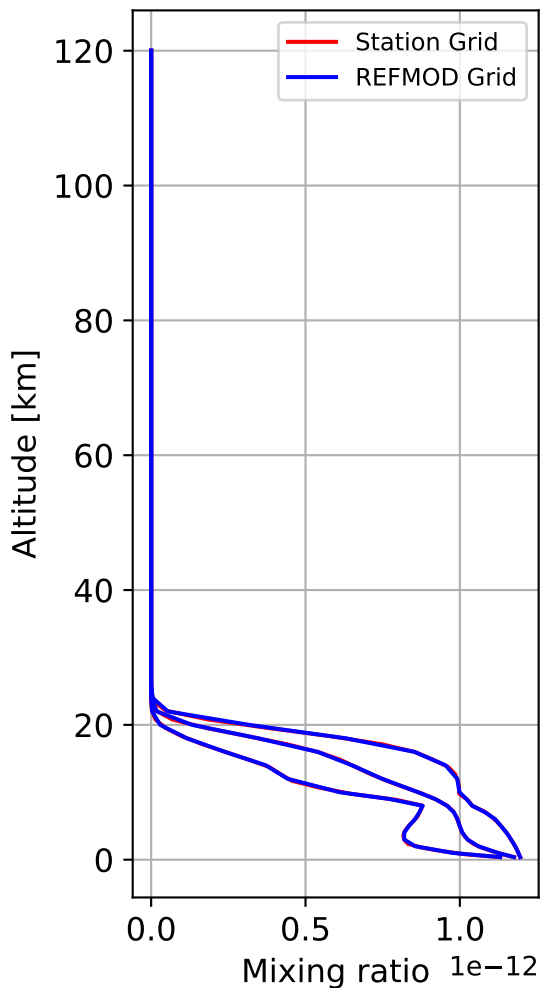
Time Series of vertical profiles (site altitude - 40 km)



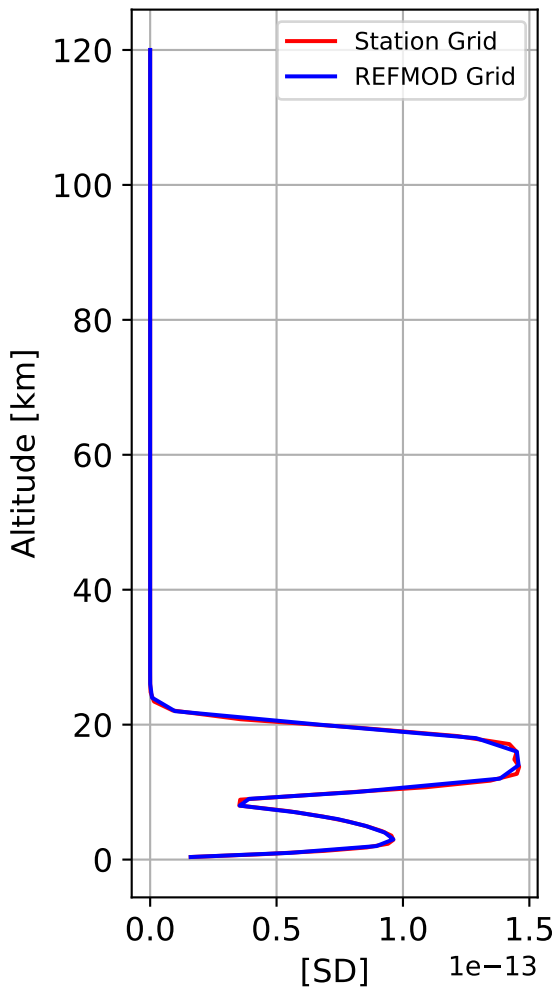
Monthly mean WACCM profile (interpolated to station grid)  
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



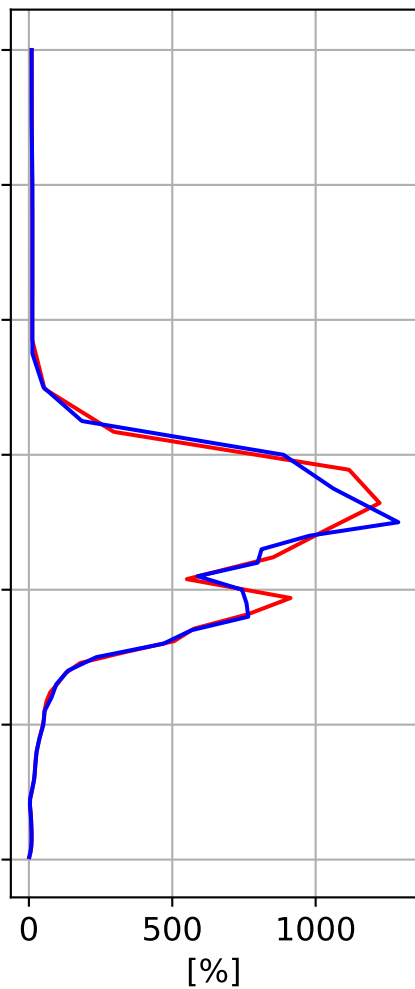
Min, Max, Mean of 732 profiles  
Rikubetsu, 43.46N, 143.77E, 0.38kmasl



### Std. Deviation



### Percent Deviation

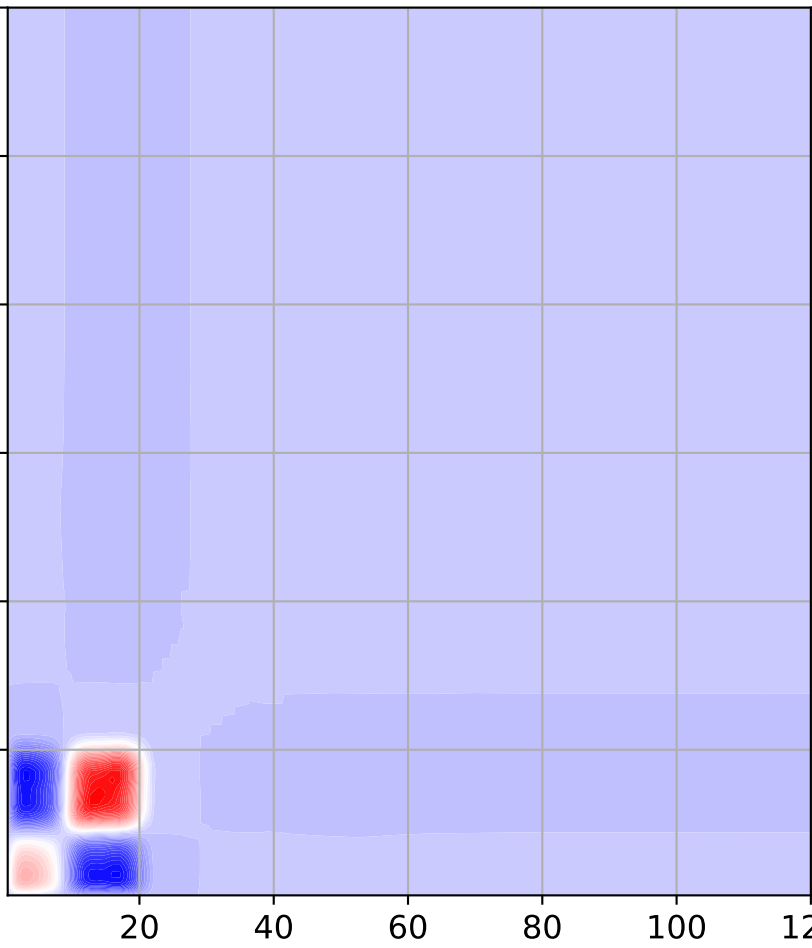


# Level covariance matrix

1e-26

Altitude [km]

120  
100  
80  
60  
40  
20



Altitude [km]

Mixing ratio [^2]

2.0  
1.6  
1.2  
0.8  
0.4  
0.0  
-0.4  
-0.8  
-1.2