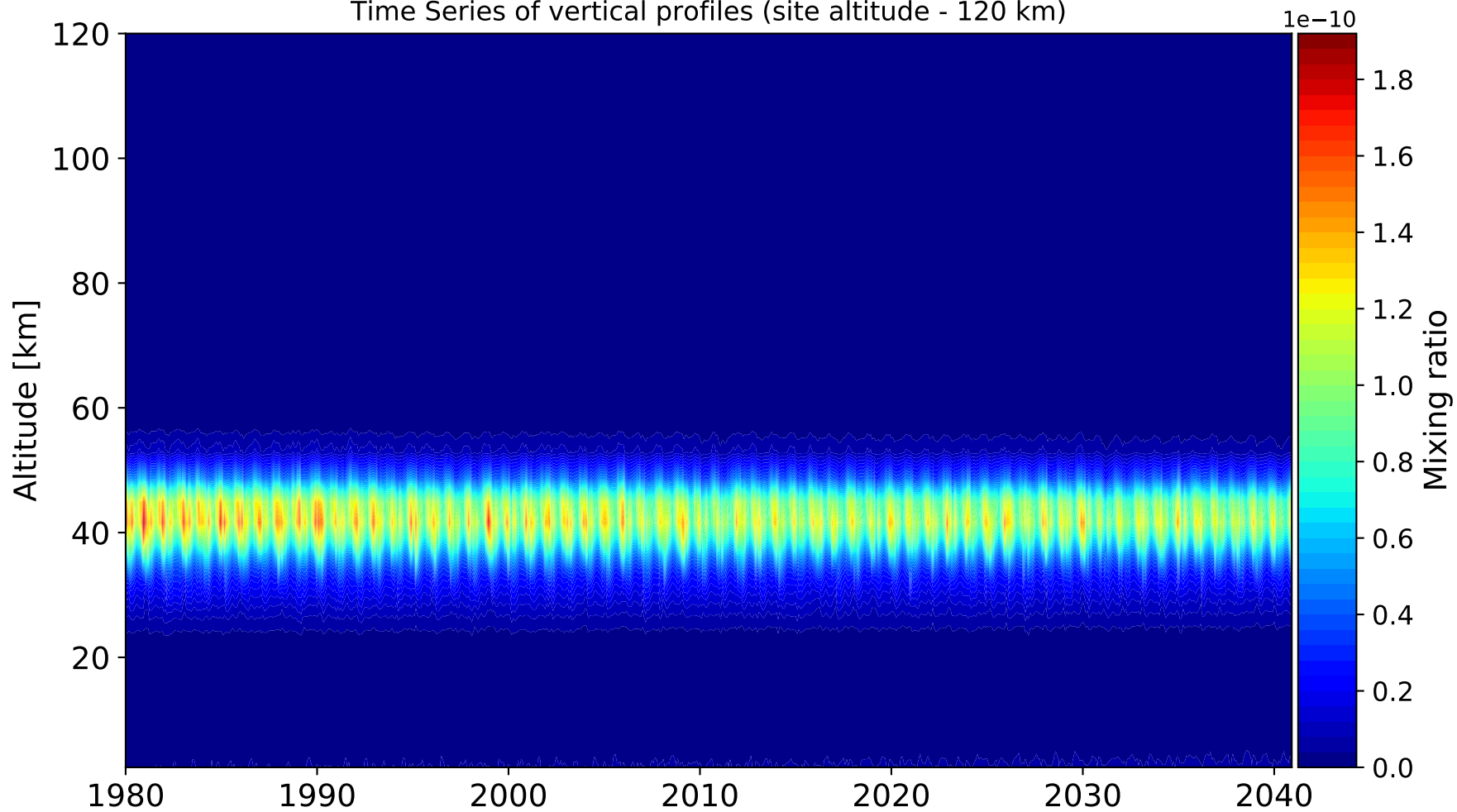
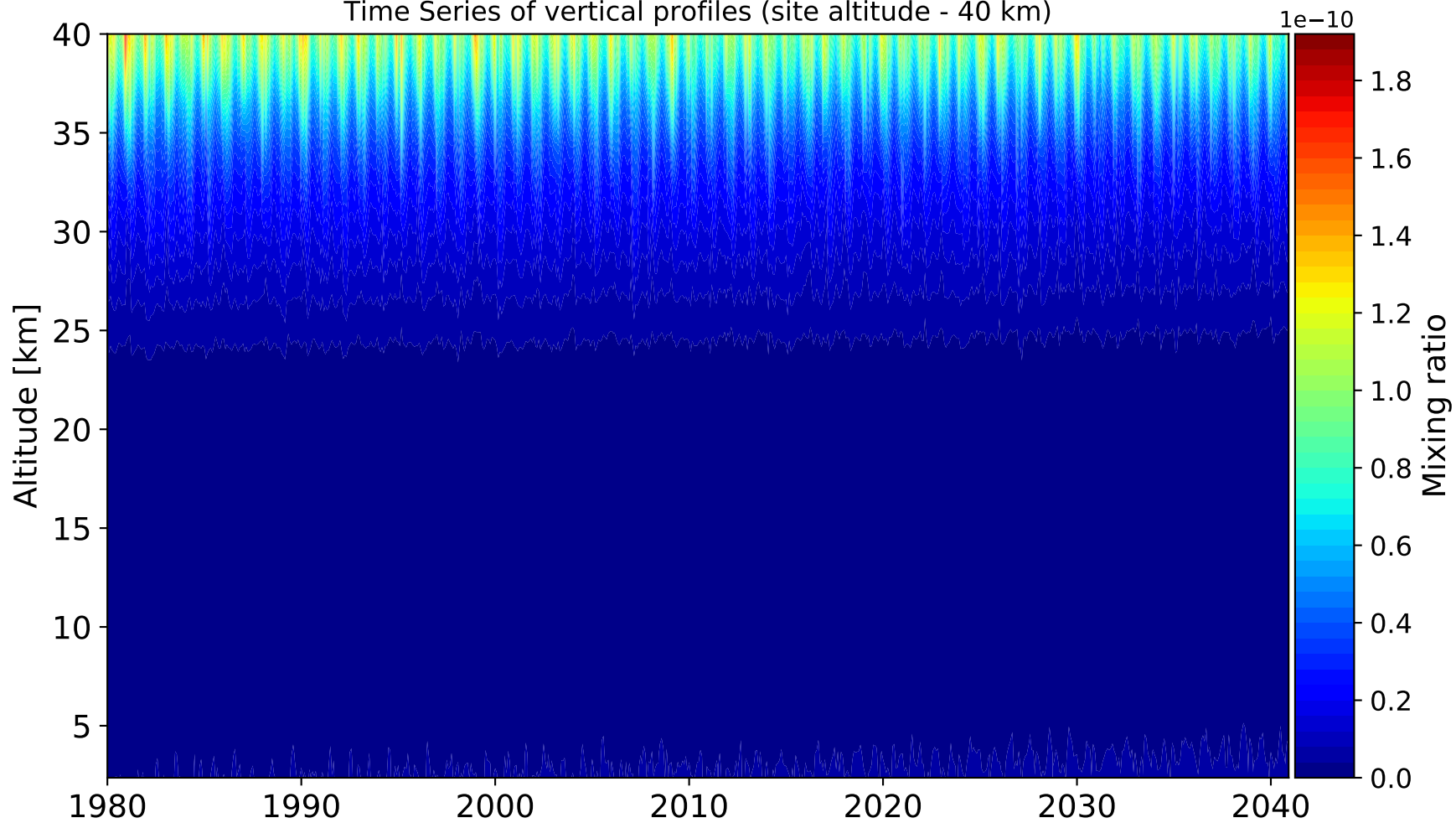


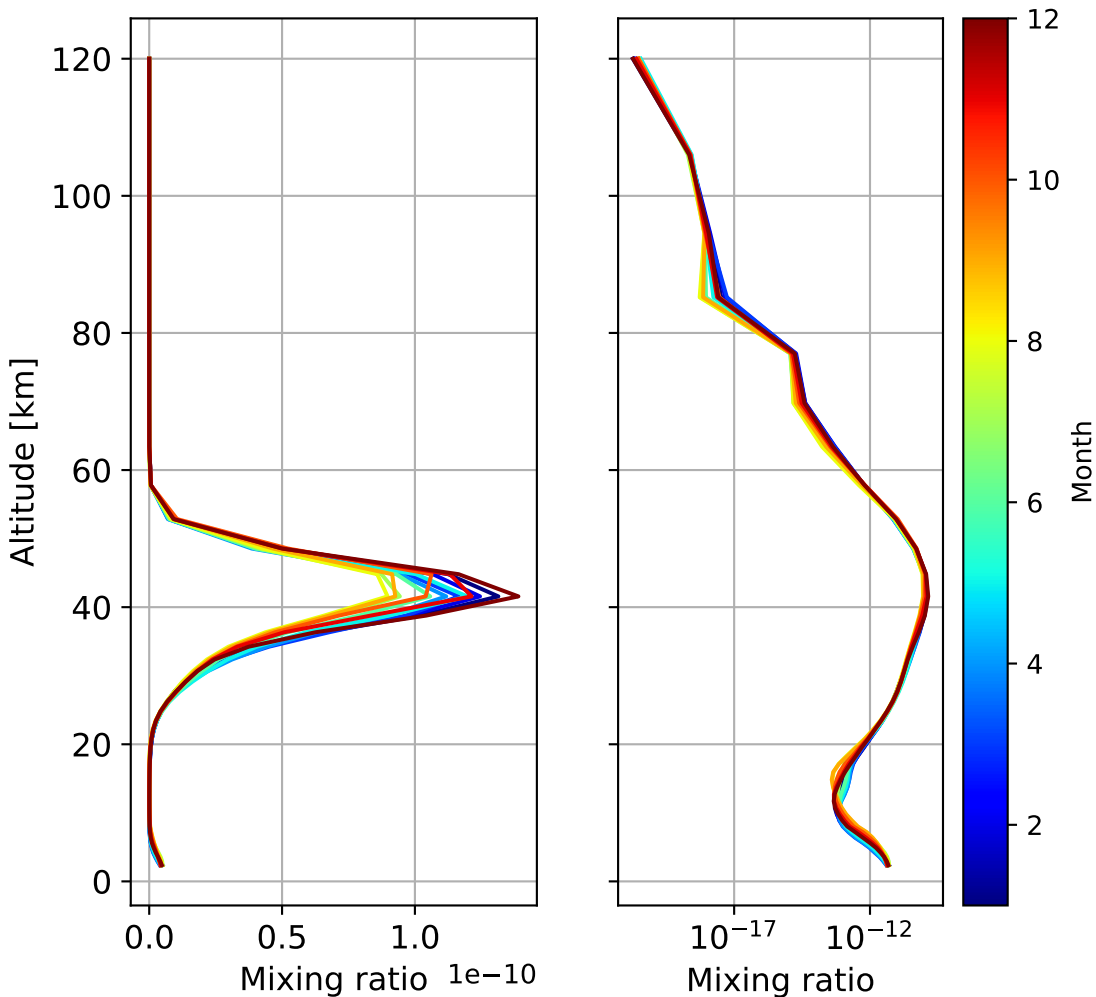
Time Series of vertical profiles (site altitude - 120 km)



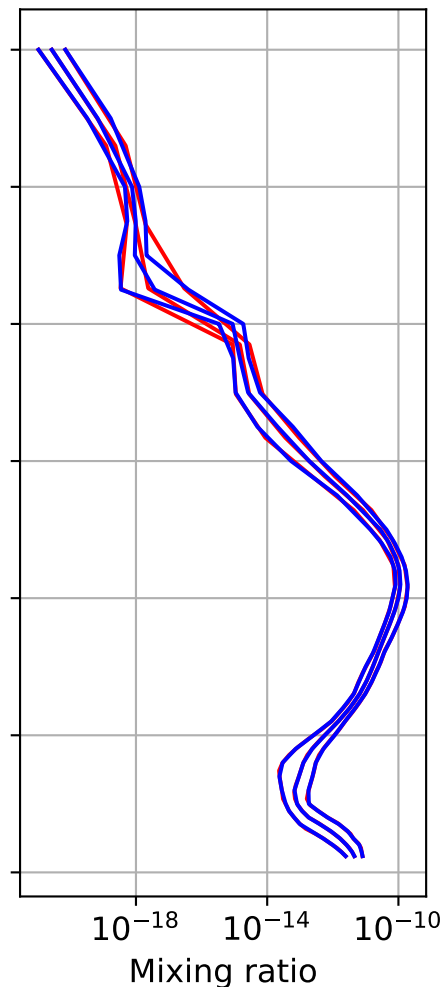
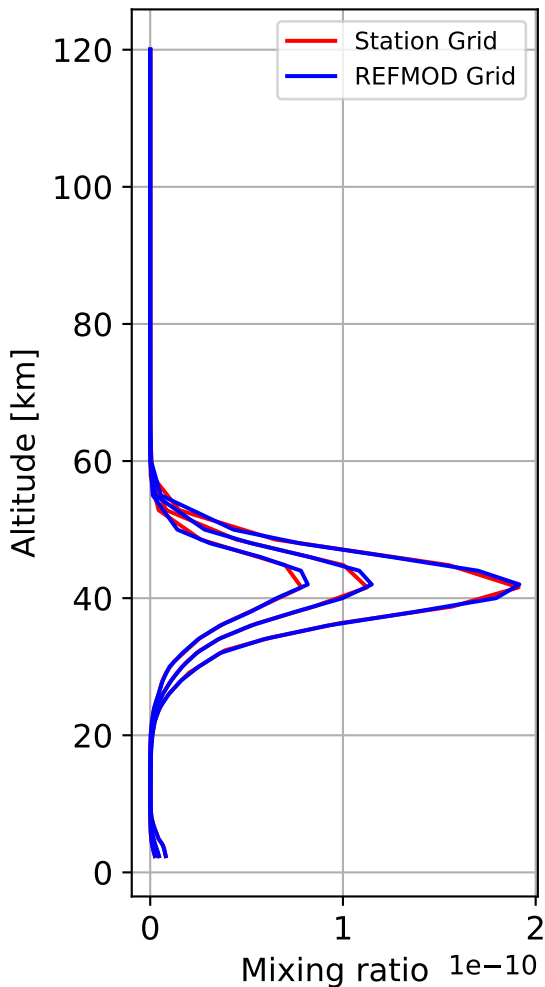
Time Series of vertical profiles (site altitude - 40 km)



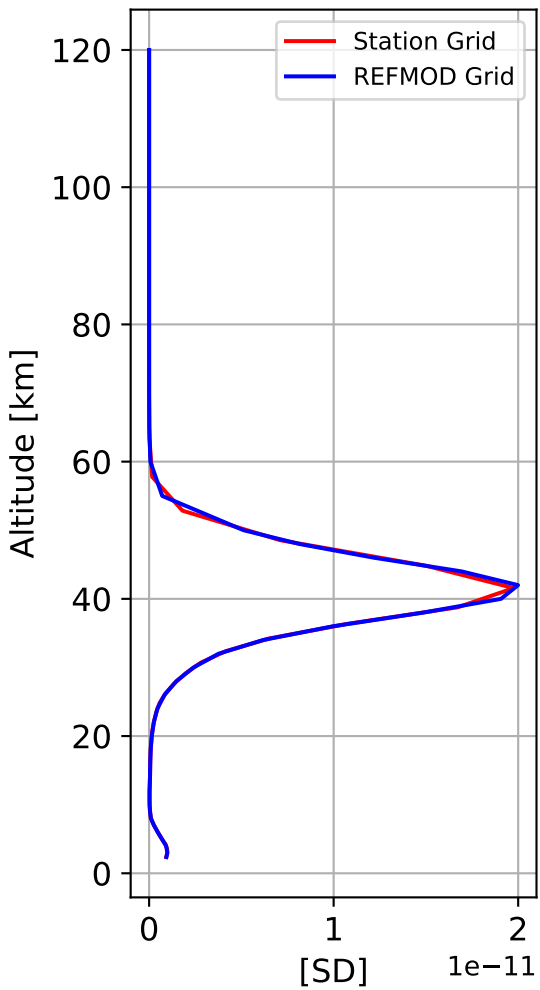
Monthly mean WACCM profile (interpolated to station grid)  
Izana, 28.3N, 343.52E, 2.37kmasl



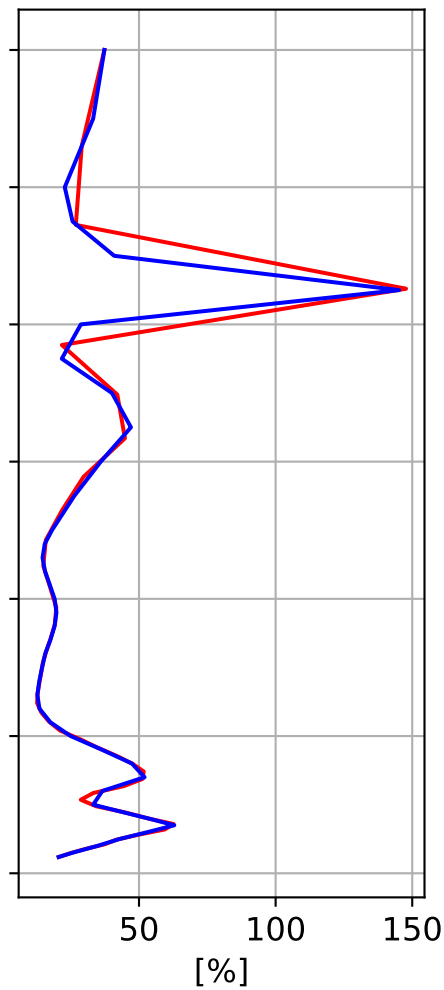
Min, Max, Mean of 732 profiles  
Izana, 28.3N, 343.52E, 2.37kmasl



Std. Deviation



Percent Deviation

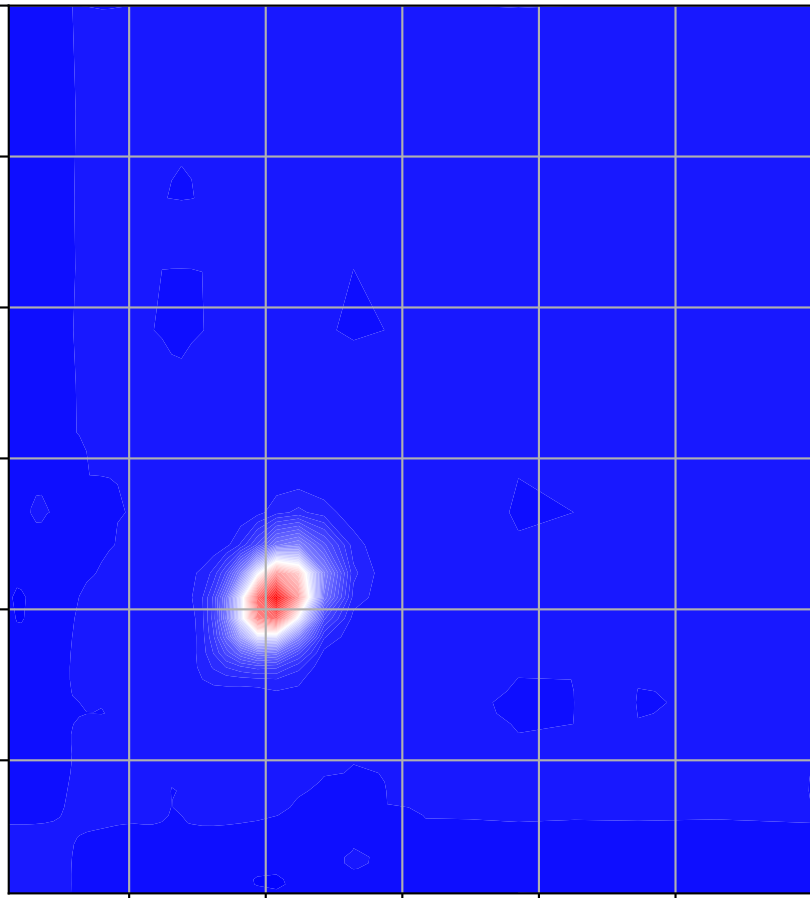


Level covariance matrix

1e-22

Altitude [km]

120  
100  
80  
60  
40  
20



3.84  
3.36  
2.88  
2.40  
1.92  
1.44  
0.96  
0.48  
0.00

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

20 40 60 80 100 120

Altitude [km]