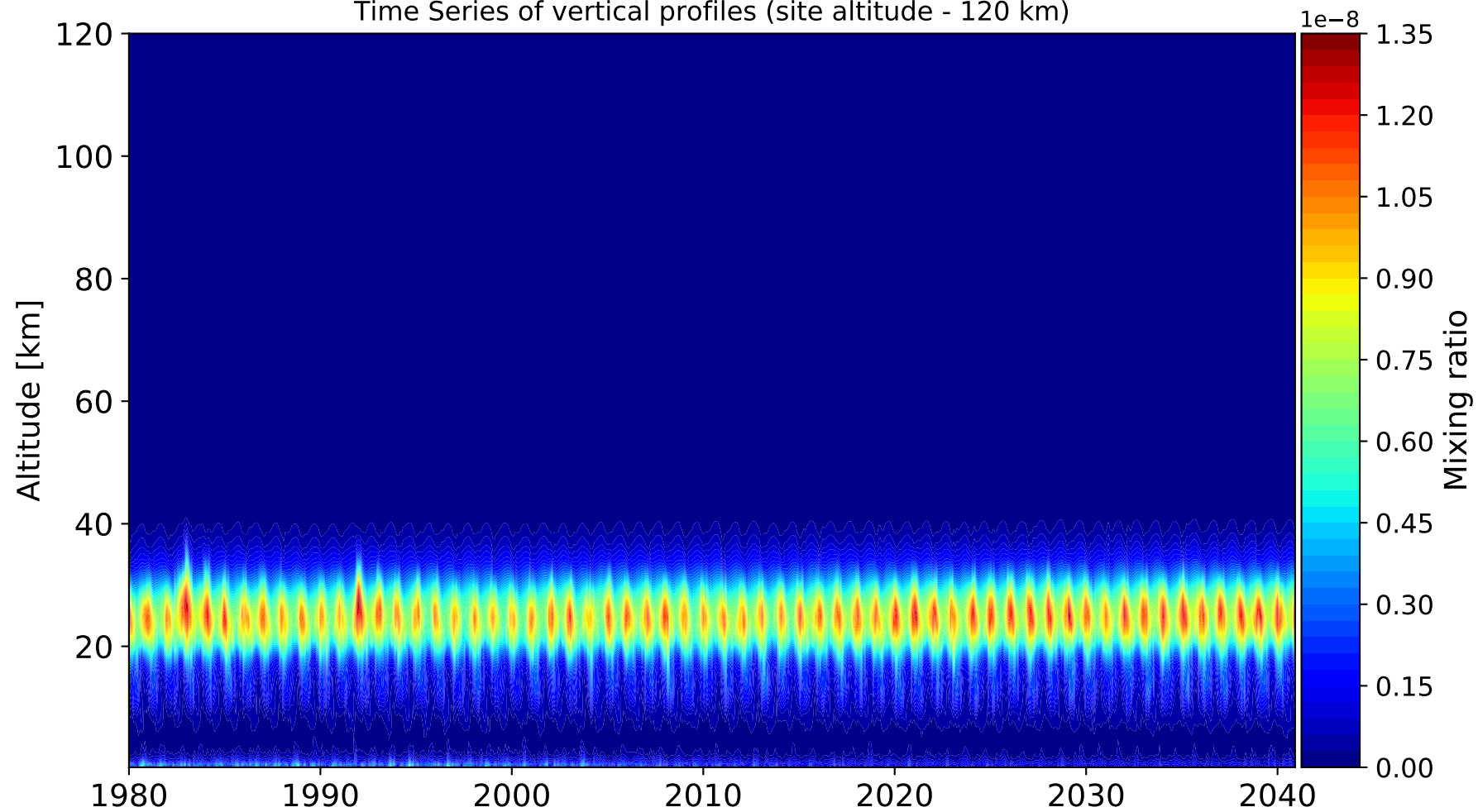
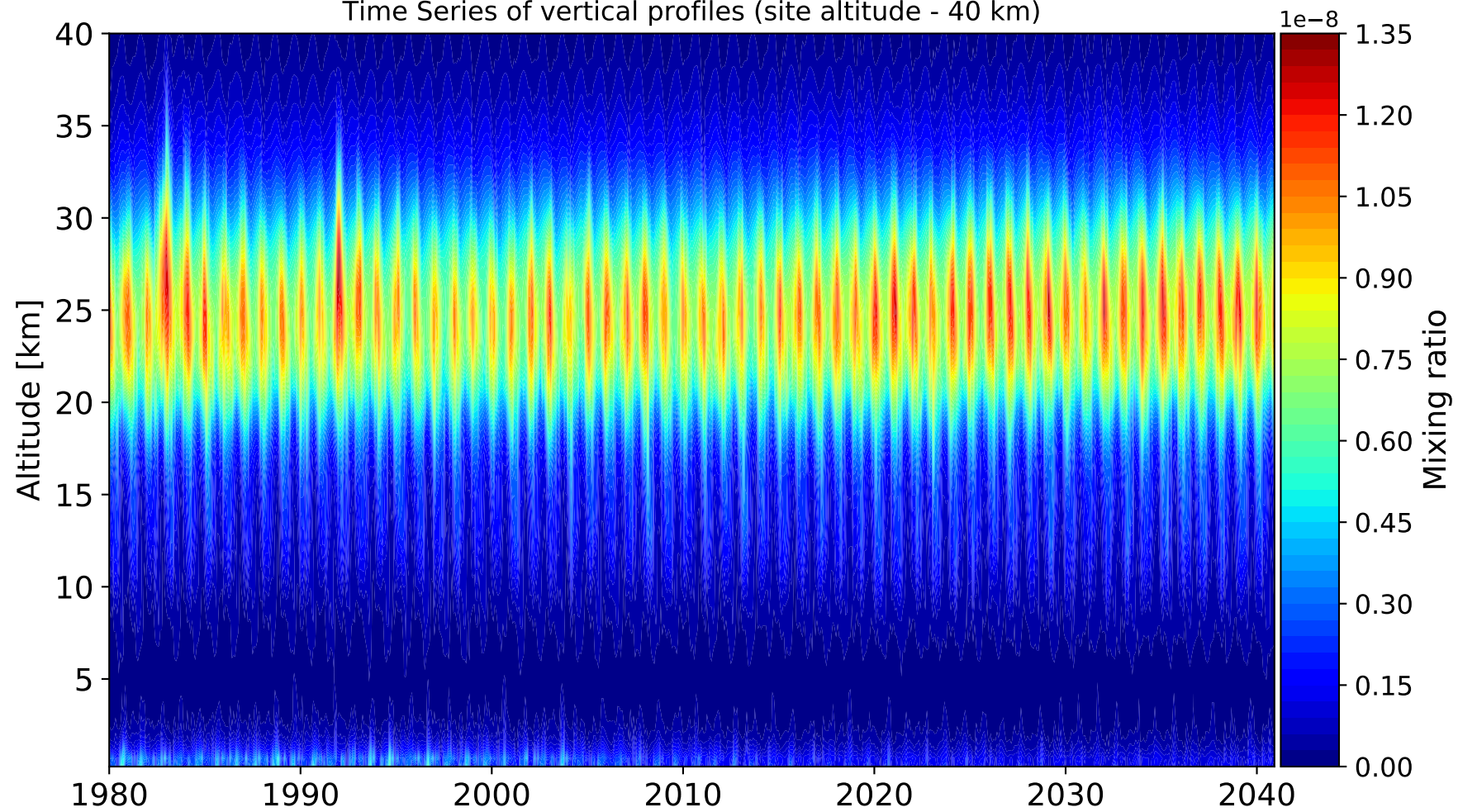


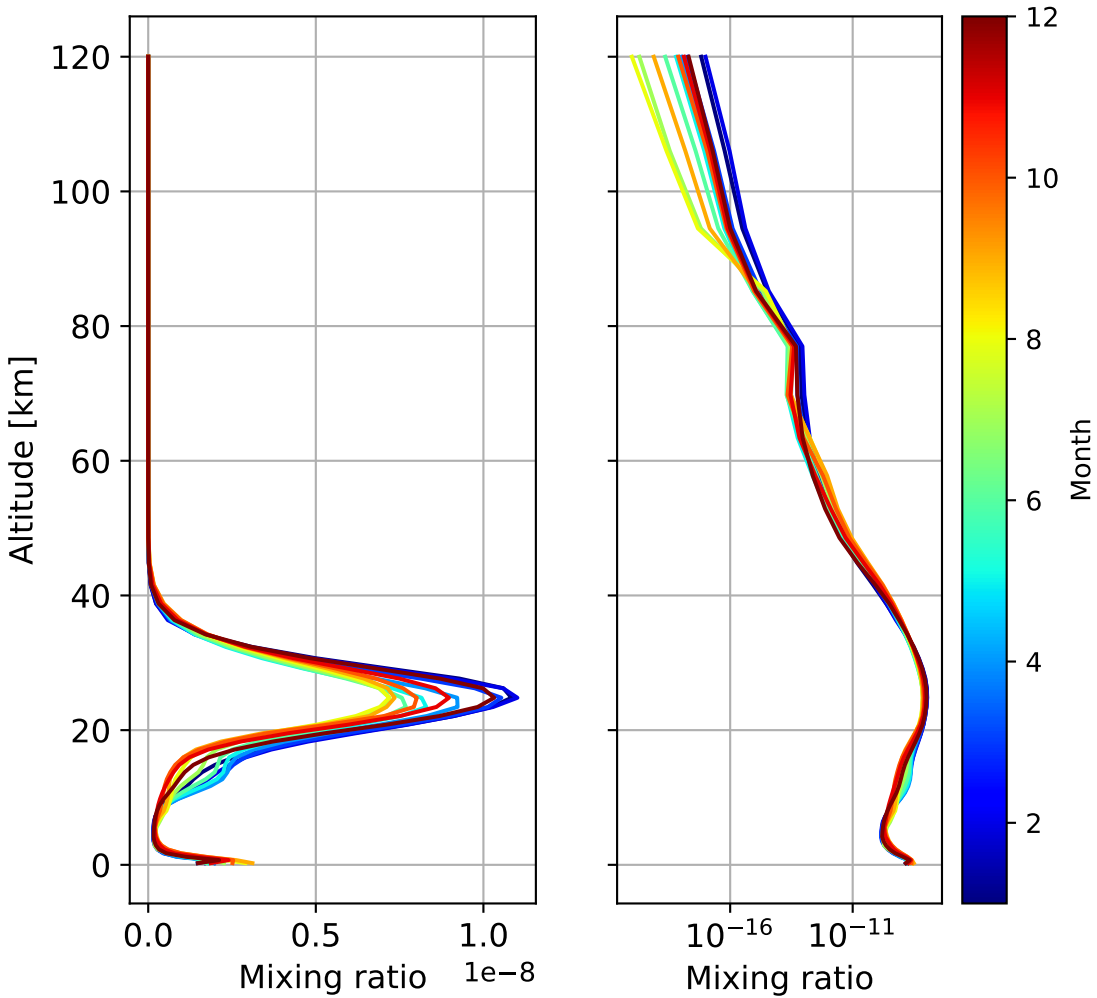
Time Series of vertical profiles (site altitude - 120 km)



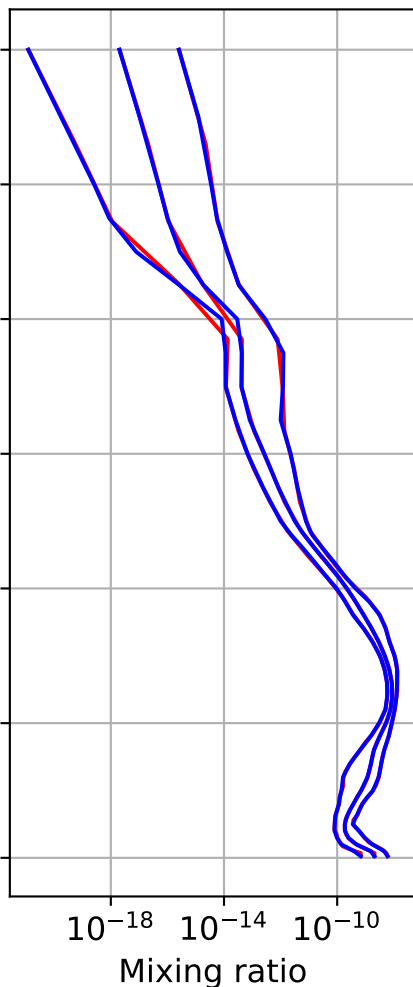
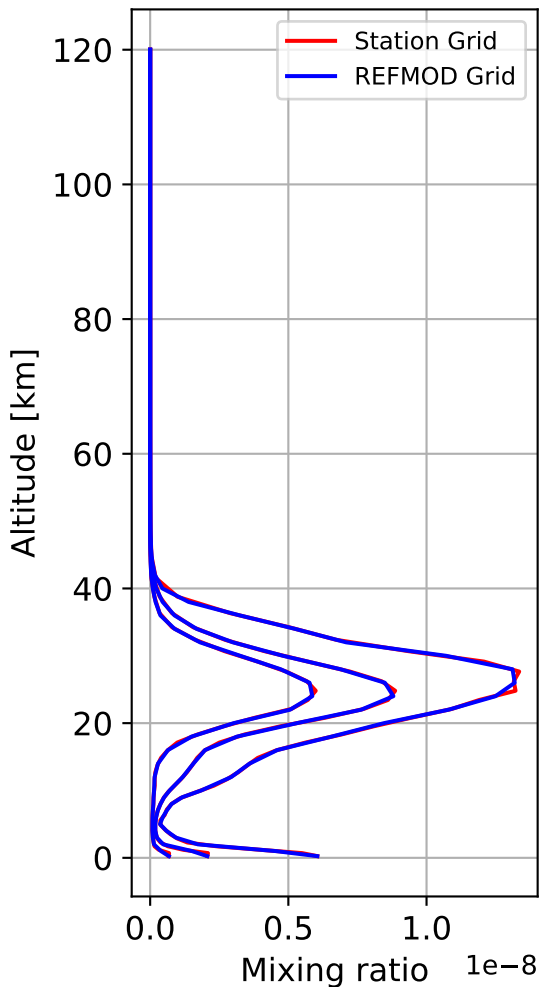
Time Series of vertical profiles (site altitude - 40 km)



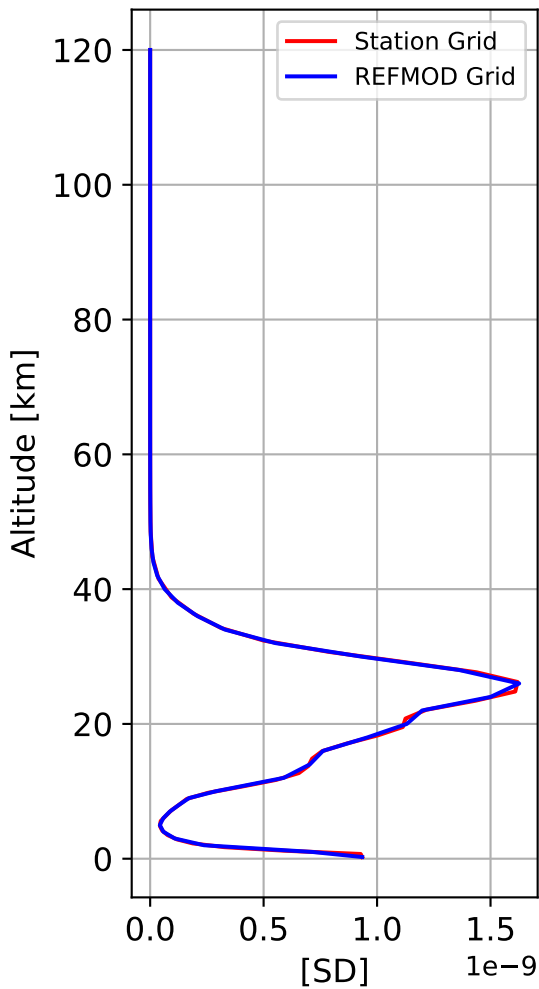
Monthly mean WACCM profile (interpolated to station grid) Egbert, 44.217N, 280.233E, 0.251kmasl



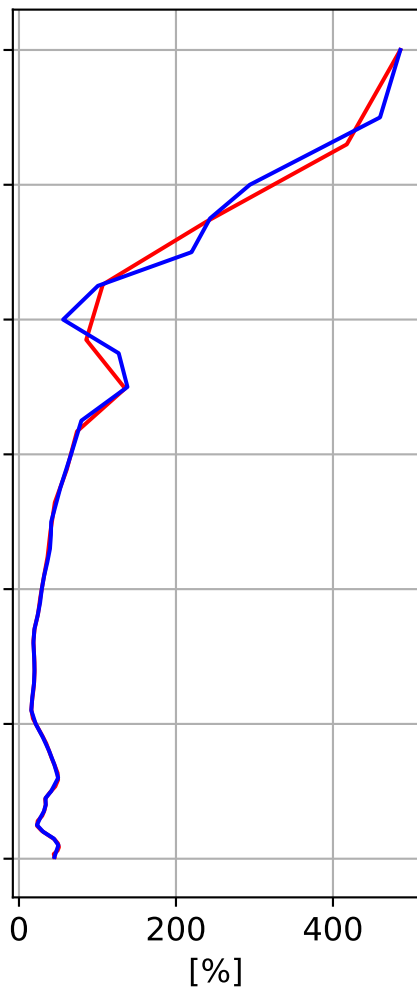
Min, Max, Mean of 732 profiles
Egbert, 44.217N, 280.233E, 0.251kmasl



Std. Deviation



Percent Deviation



Level covariance matrix

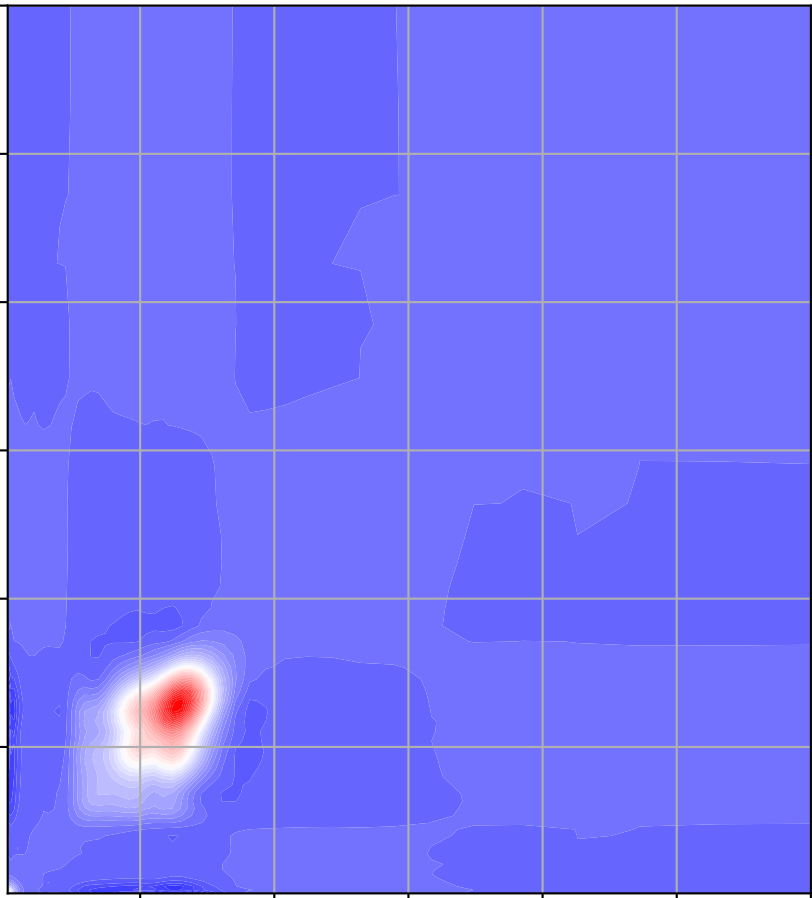
1e-18

Altitude [km]

120
100
80
60
40
20

Mixing ratio[~ 2]

2.4
2.0
1.6
1.2
0.8
0.4
0.0
-0.4



20

Altitude [km]

40

60

80

100

120