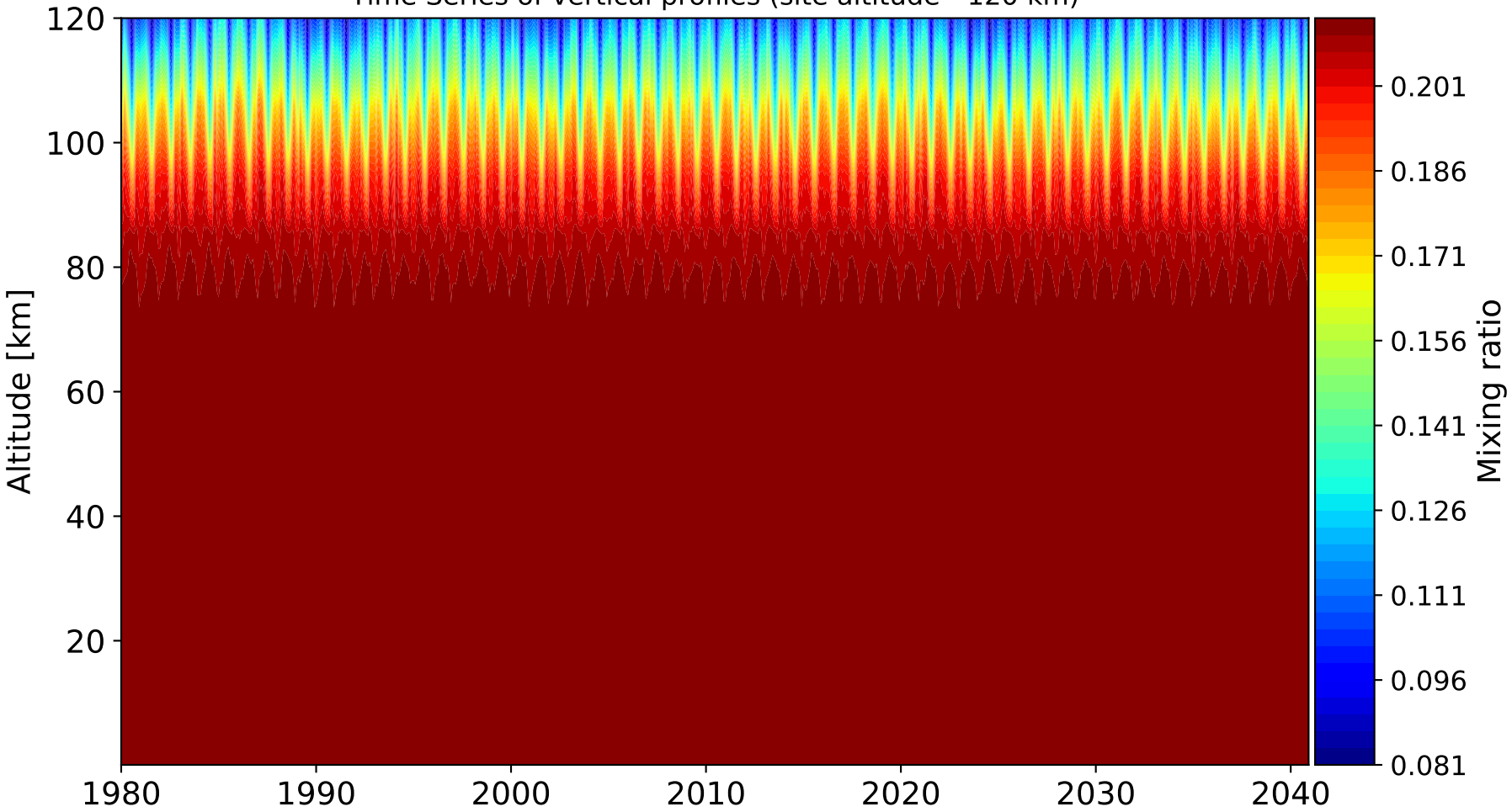
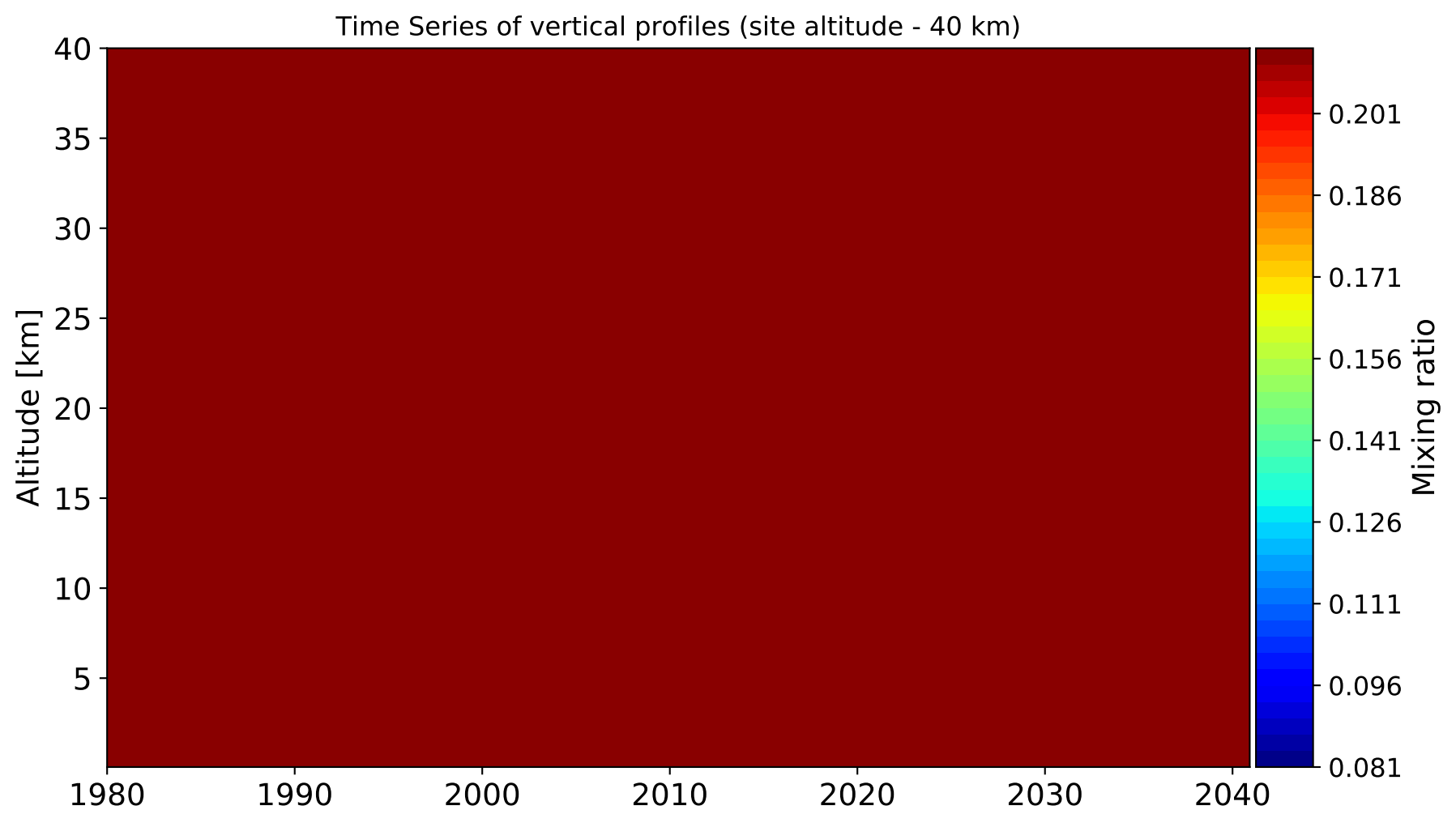
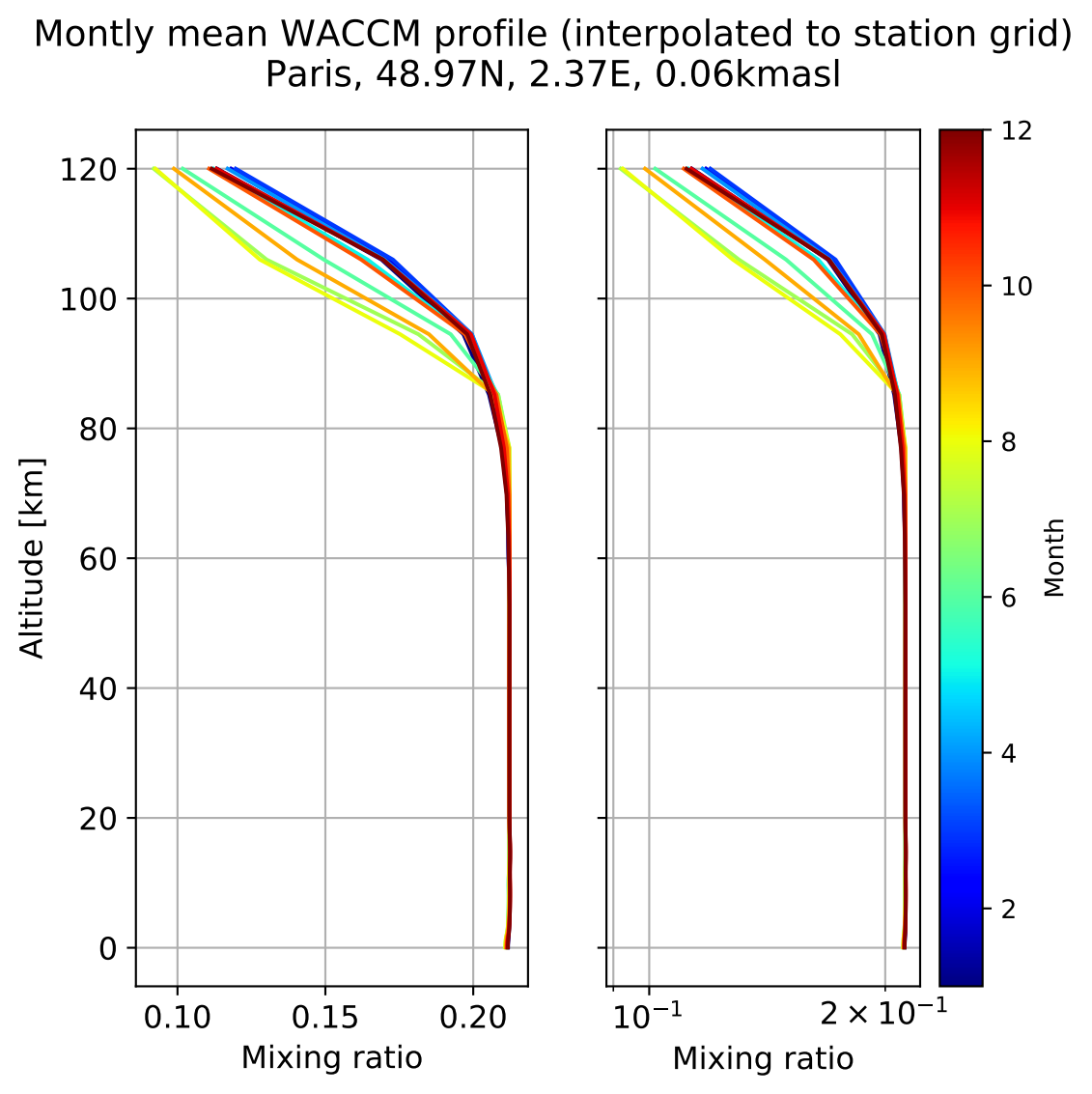
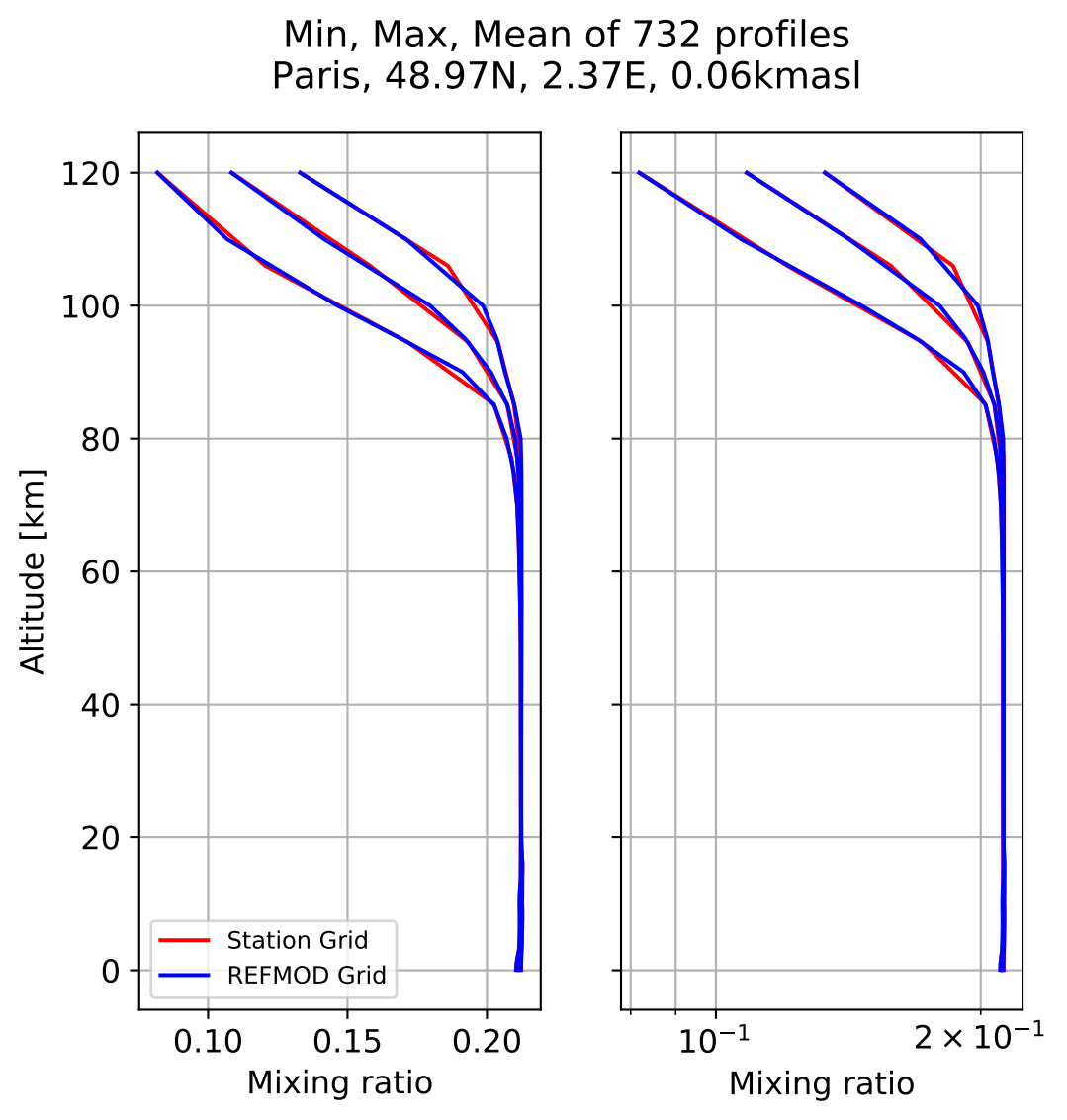
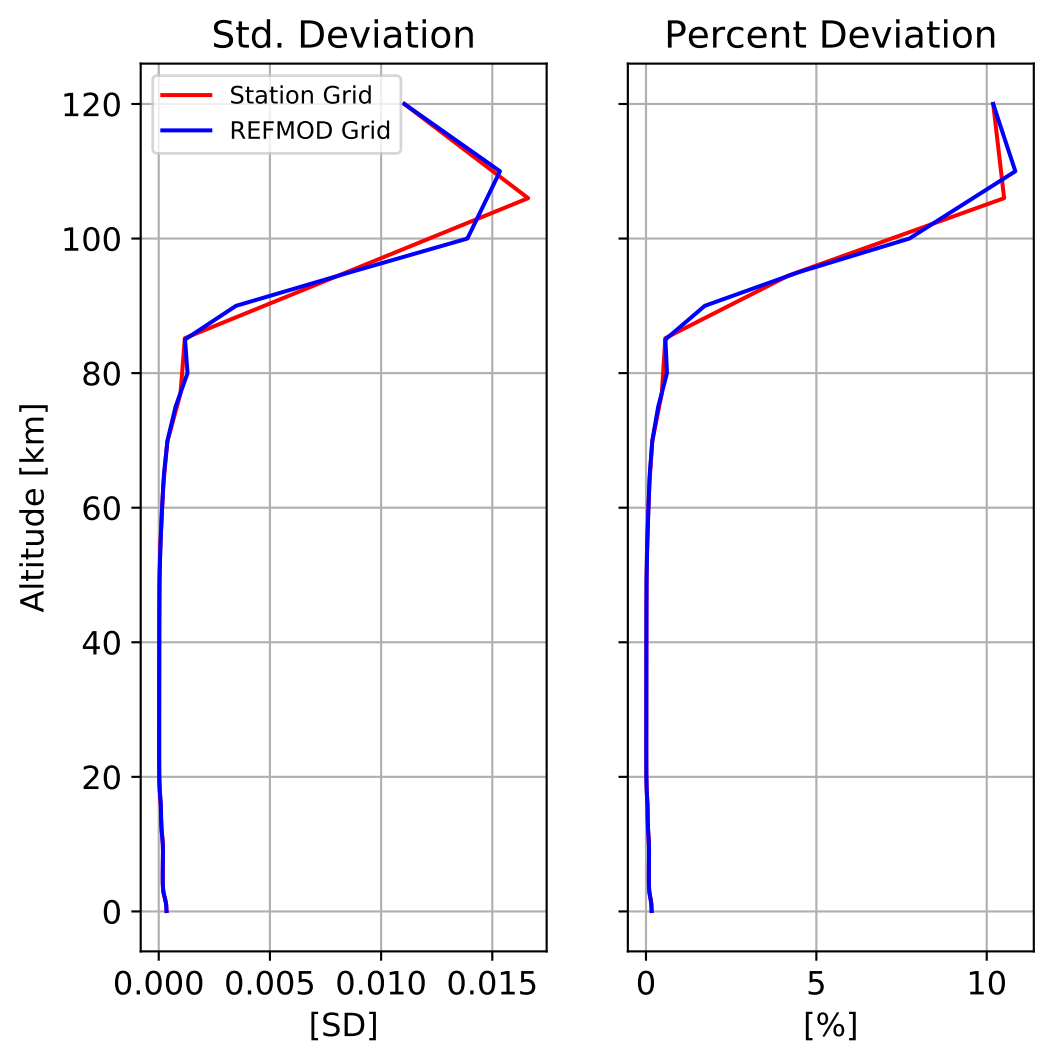
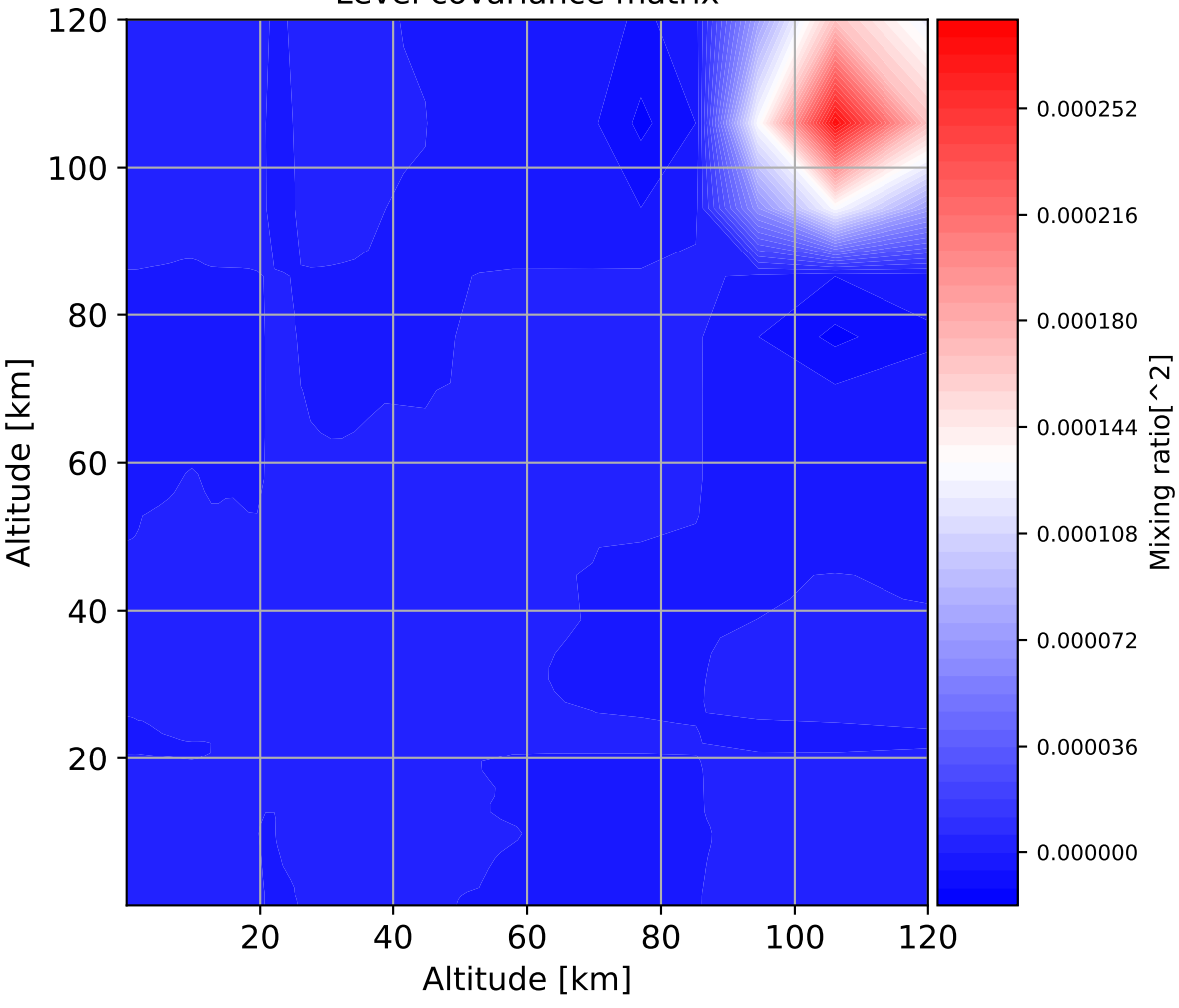

Time Series of vertical profiles (site altitude - 120 km)
Altitude [km]
120
100
80
60
40
20
1980
1990
2000
2010
2020
2030
2040
Mixing ratio
0.201
0.186
0.171
0.156
0.141
0.126
0.111
0.096
0.081


Time Series of vertical profiles (site altitude - 40 km)
Altitude [km]
40
35
30
25
20
15
10
5
1980
1990
2000
2010
2020
2030
2040
Mixing ratio
0.201
0.186
0.171
0.156
0.141
0.126
0.111
0.096
0.081


Montly mean WACCM profile (interpolated to station grid)
Paris, 48.97N, 2.37E, 0.06kmasl
Altitude [km]
120
100
80
60
40
20
0
0.10
0.15
0.20
Mixing ratio
10^{-1}
2×10^{-1}
Mixing ratio
Month
12
10
8
6
4
2


Min, Max, Mean of 732 profiles
Paris, 48.97N, 2.37E, 0.06kmasl
Altitude [km]
120
100
80
60
40
20
0
0.10
0.15
0.20
Mixing ratio
Station Grid
REFMOD Grid
10^{-1}
2×10^{-1}
Mixing ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude [km]
120
100
80
60
40
20
0
0.000
0.005
0.010
0.015
[SD]
0
5
10
[%]


Level covariance matrix
120
100
80
60
40
20
Altitude [km]
20
40
60
80
100
120
Altitude [km]
0.000252
0.000216
0.000180
0.000144
0.000108
0.000072
0.000036
0.000000
Mixing ratio[^2]