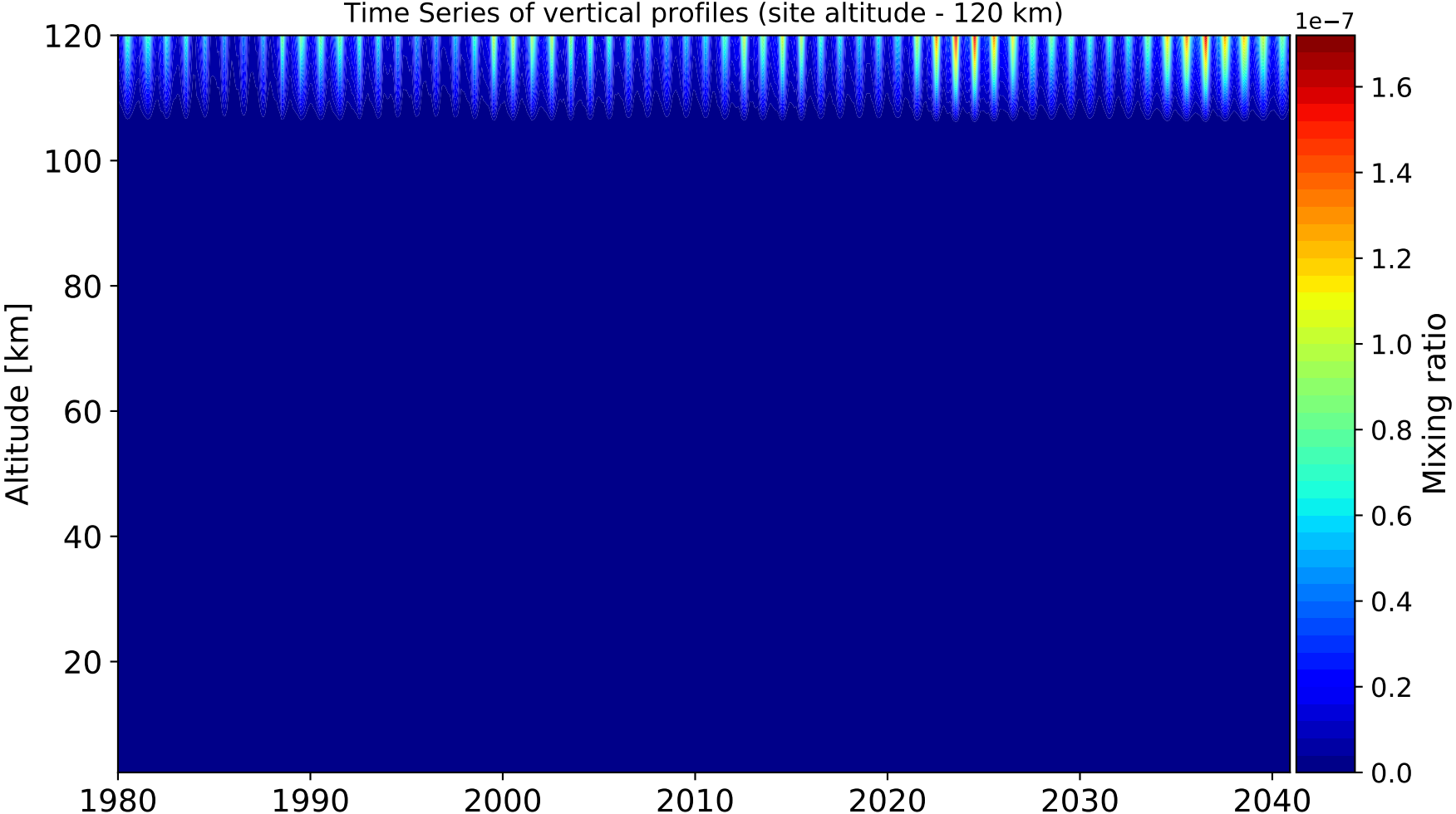
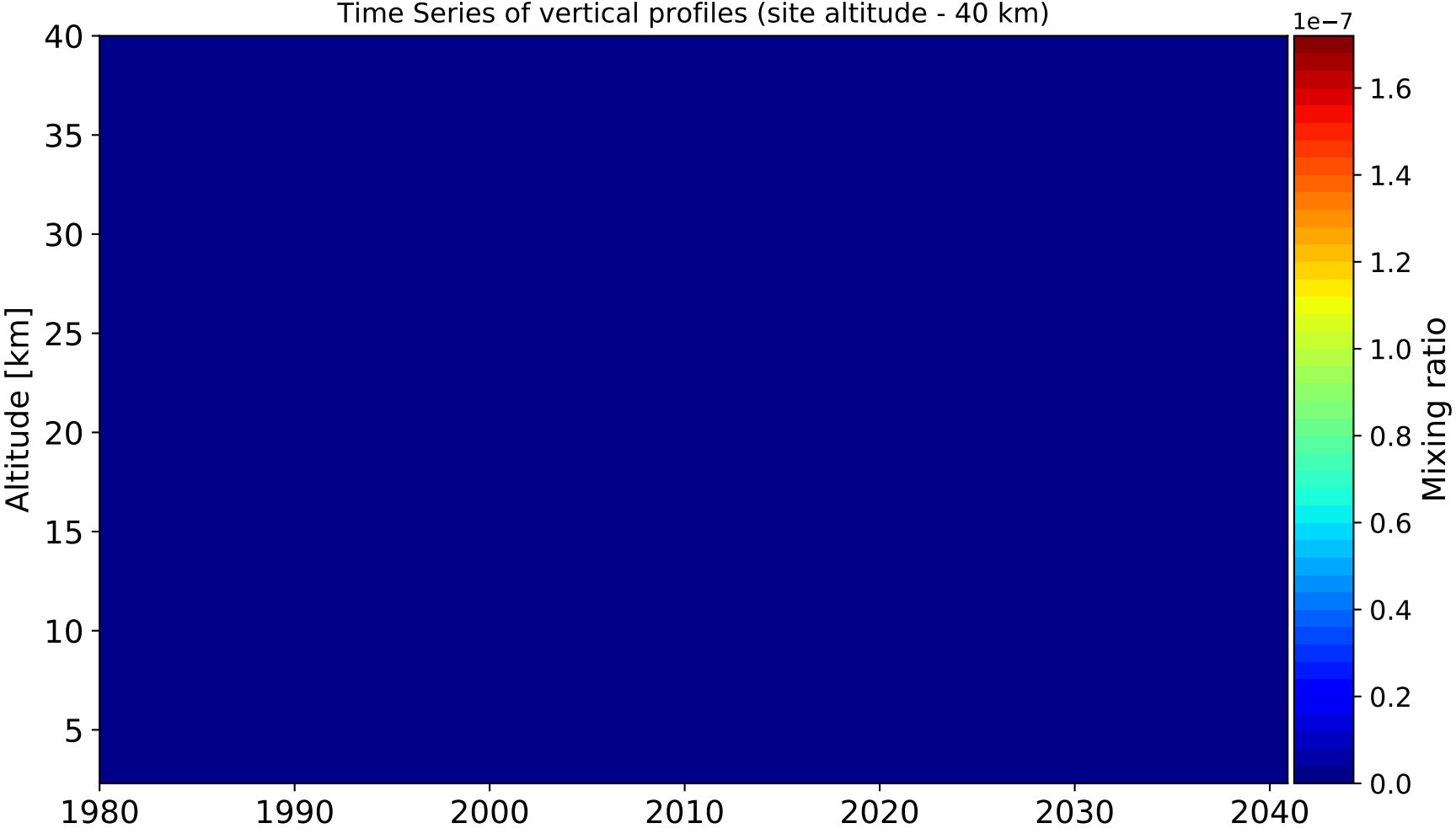
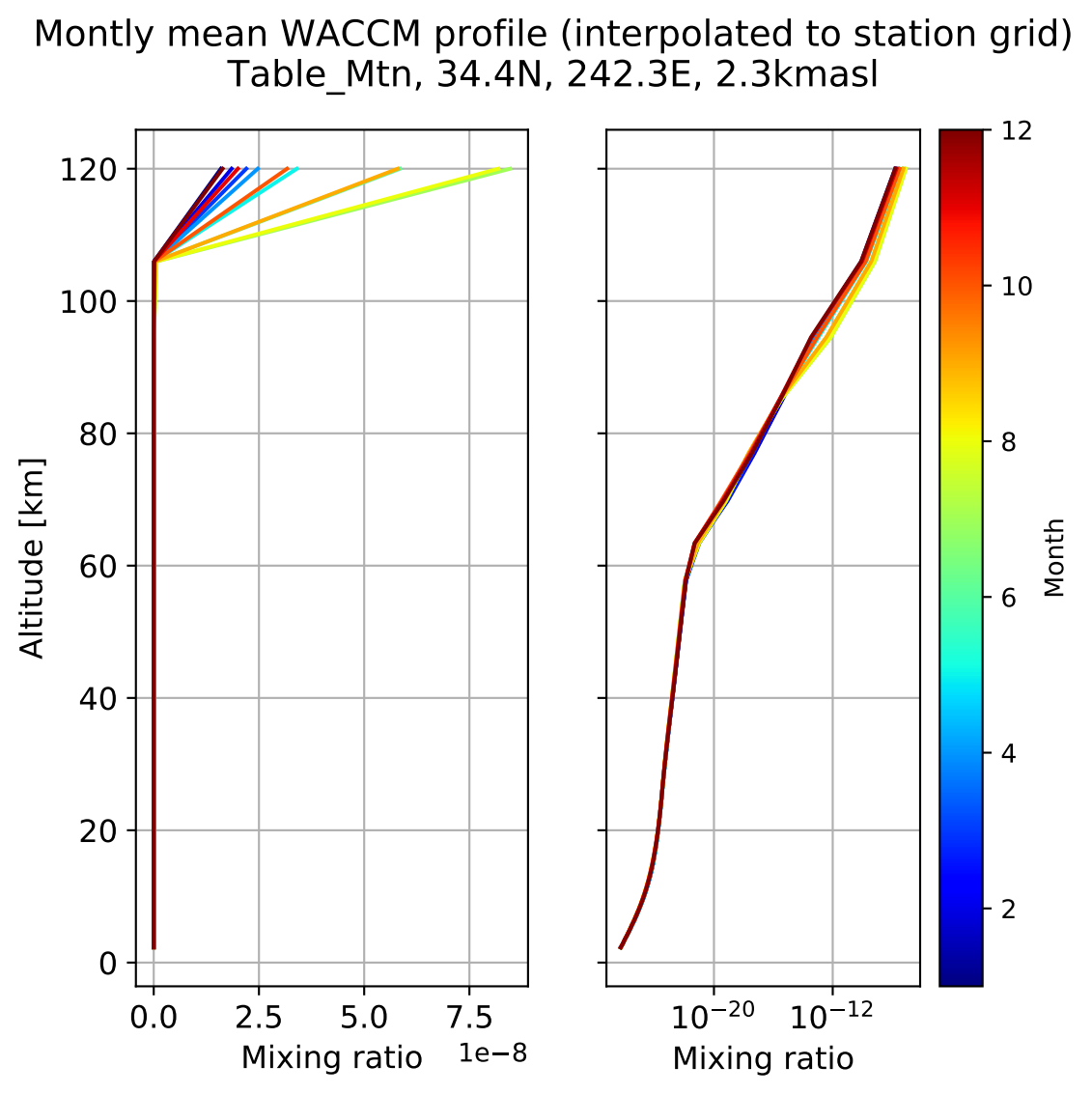
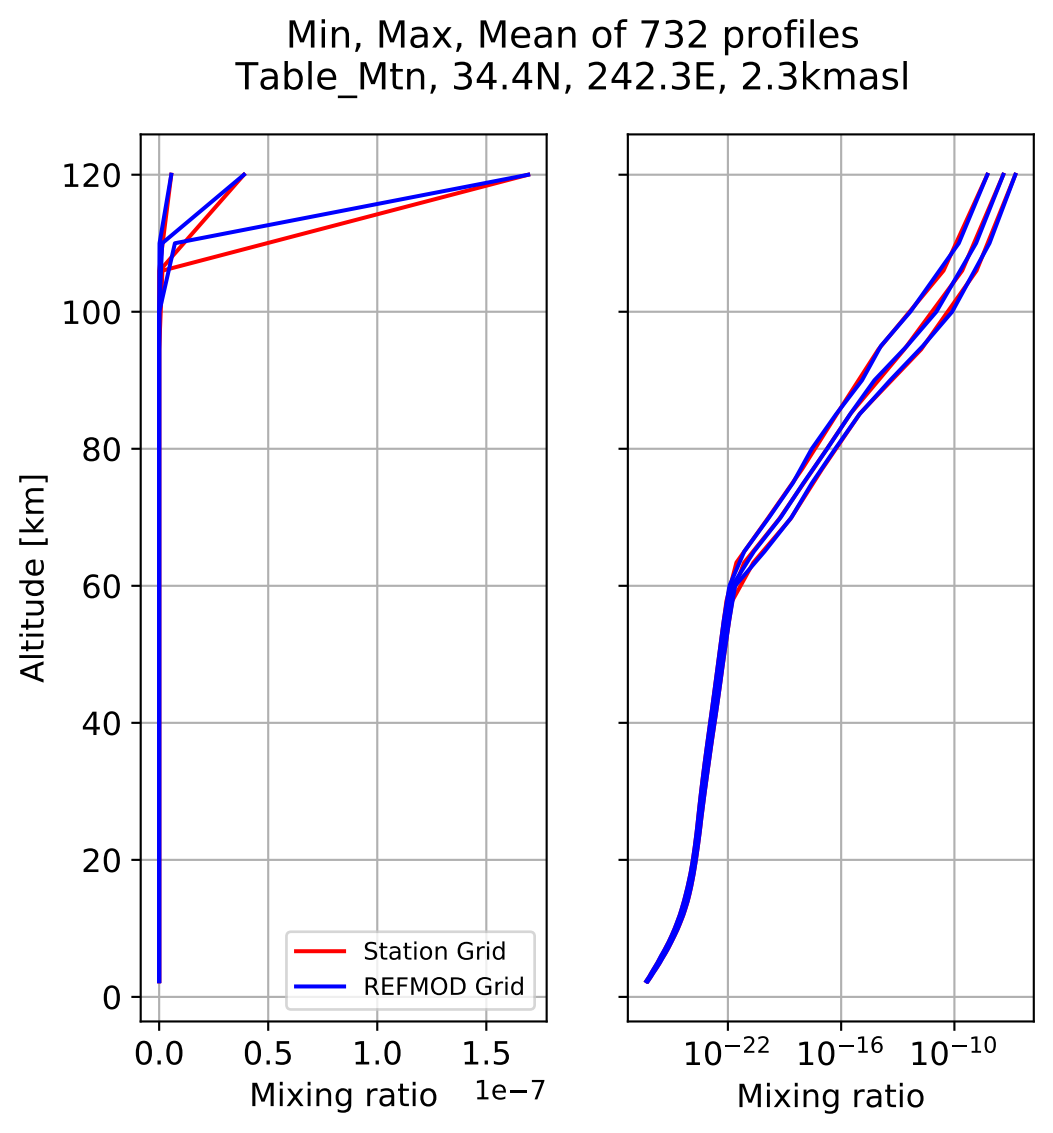
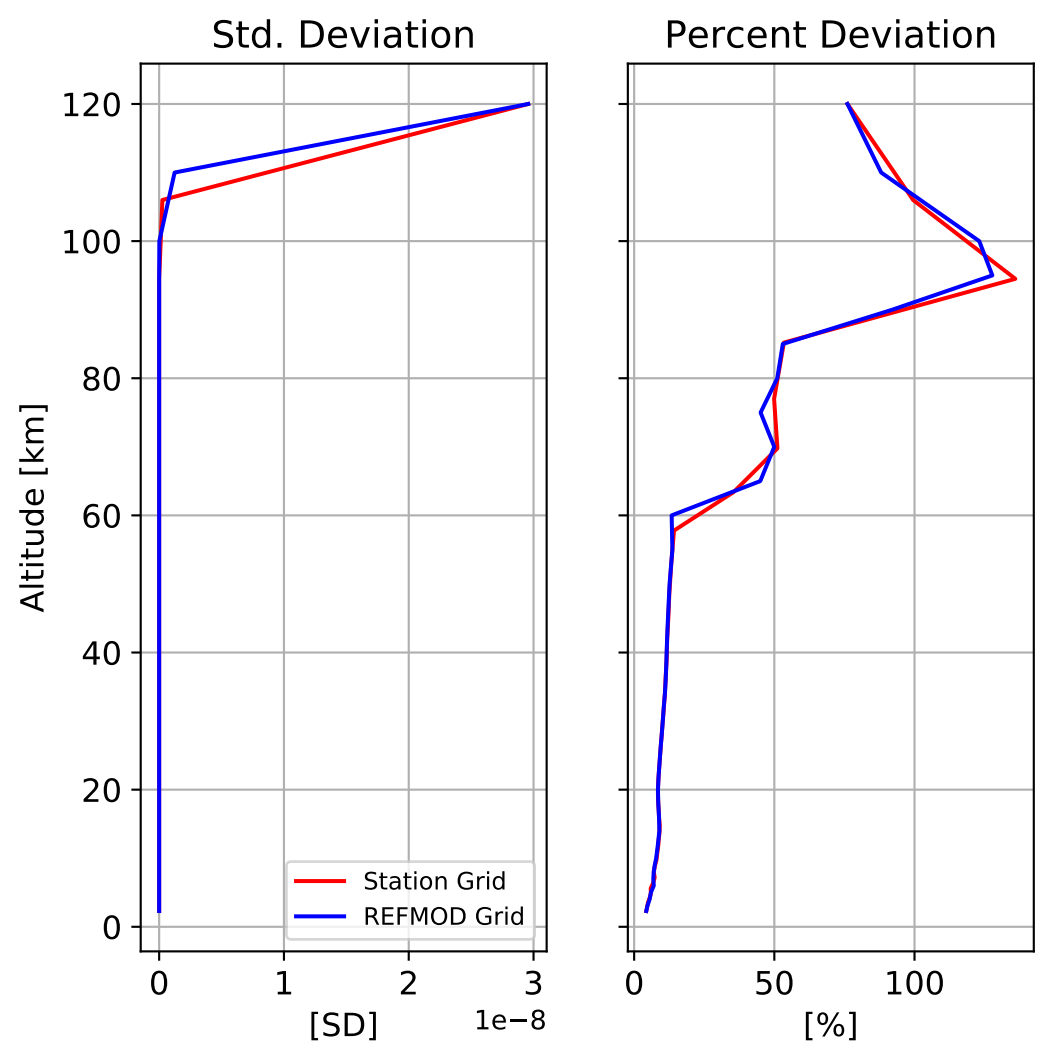
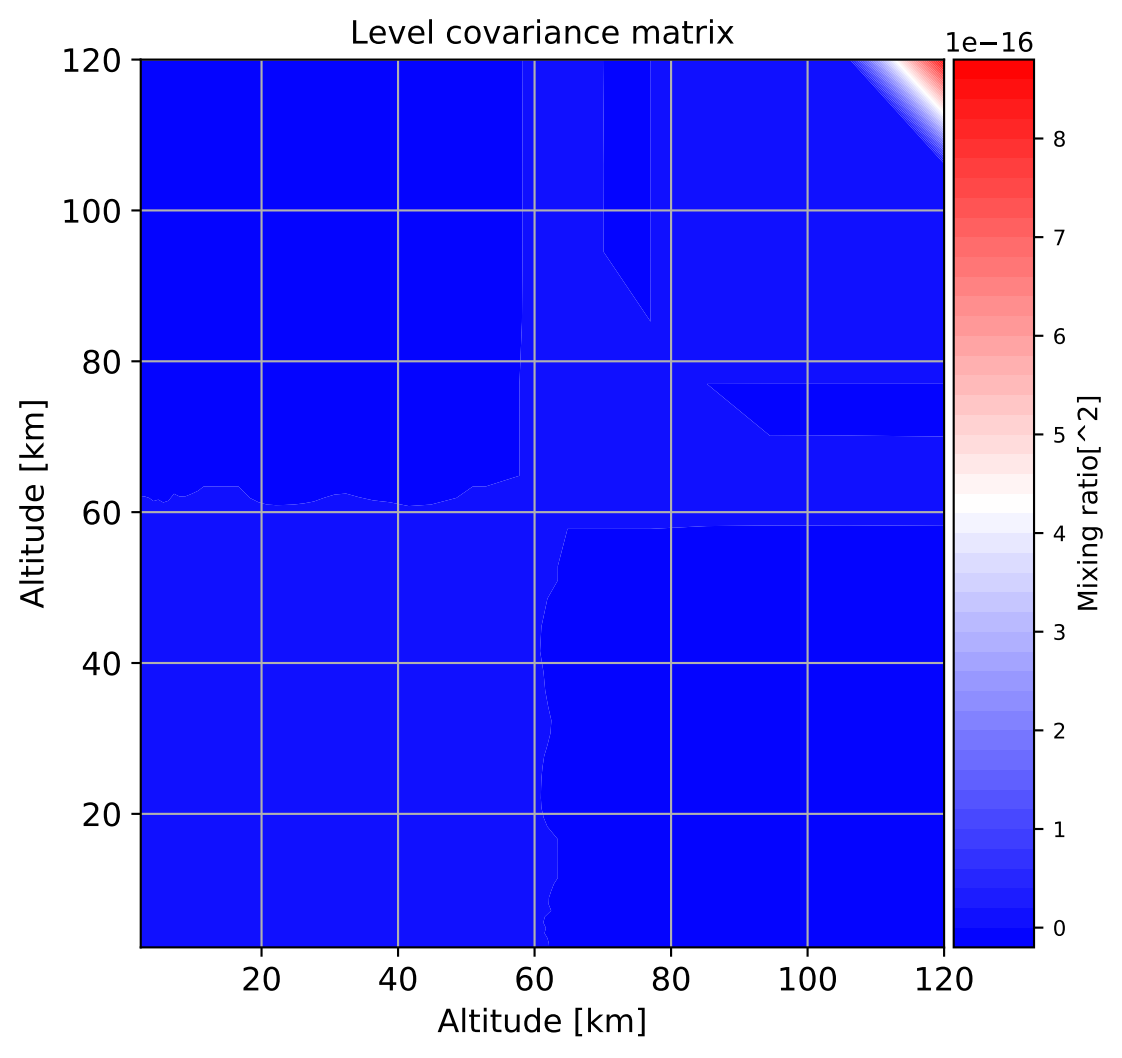

Time Series of vertical profiles (site altitude - 120 km)
Altitude [km]
120
100
80
60
40
20
1980
1990
2000
2010
2020
2030
2040
1e−7
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Mixing ratio


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
1e−7
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Mixing ratio


Montly mean WACCM profile (interpolated to station grid)
Table_Mtn, 34.4N, 242.3E, 2.3kmasl
Altitude [km]
0
20
40
60
80
100
120
0.0
2.5
5.0
7.5
1e−8
Mixing ratio
10^{-20}
10^{-12}
Mixing ratio
Month
2
4
6
8
10
12


Min, Max, Mean of 732 profiles
Table_Mtn, 34.4N, 242.3E, 2.3kmasl
Altitude [km]
120
100
80
60
40
20
0
0.0
0.5
1.0
1.5
1e−7
Mixing ratio
Station Grid
REFMOD Grid
10^{-22}
10^{-16}
10^{-10}
Mixing ratio


Std. Deviation
Percent Deviation
Altitude [km]
120
100
80
60
40
20
0
Station Grid
REFMOD Grid
0
1
2
3
[SD]
1e−8
0
50
100
[%]


Level covariance matrix
1e−16
Altitude [km]
Altitude [km]
Mixing ratio[^2]
120
100
80
60
40
20
20
40
60
80
100
120
8
7
6
5
4
3
2
1
0