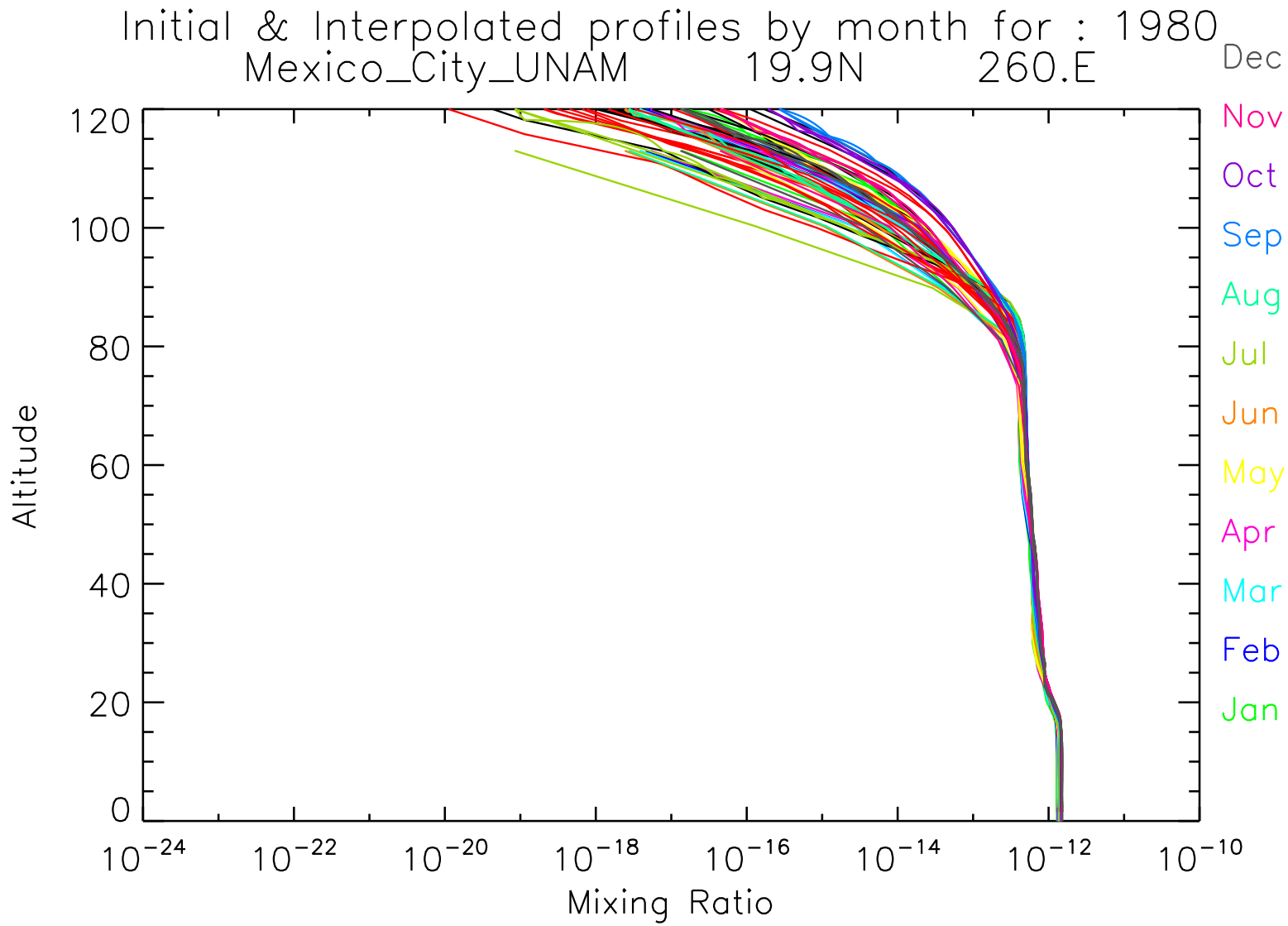
Initial & Interpolated profiles by month for : 1980
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Feb
Jan
Altitude
120
100
80
60
40
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10^{-18}
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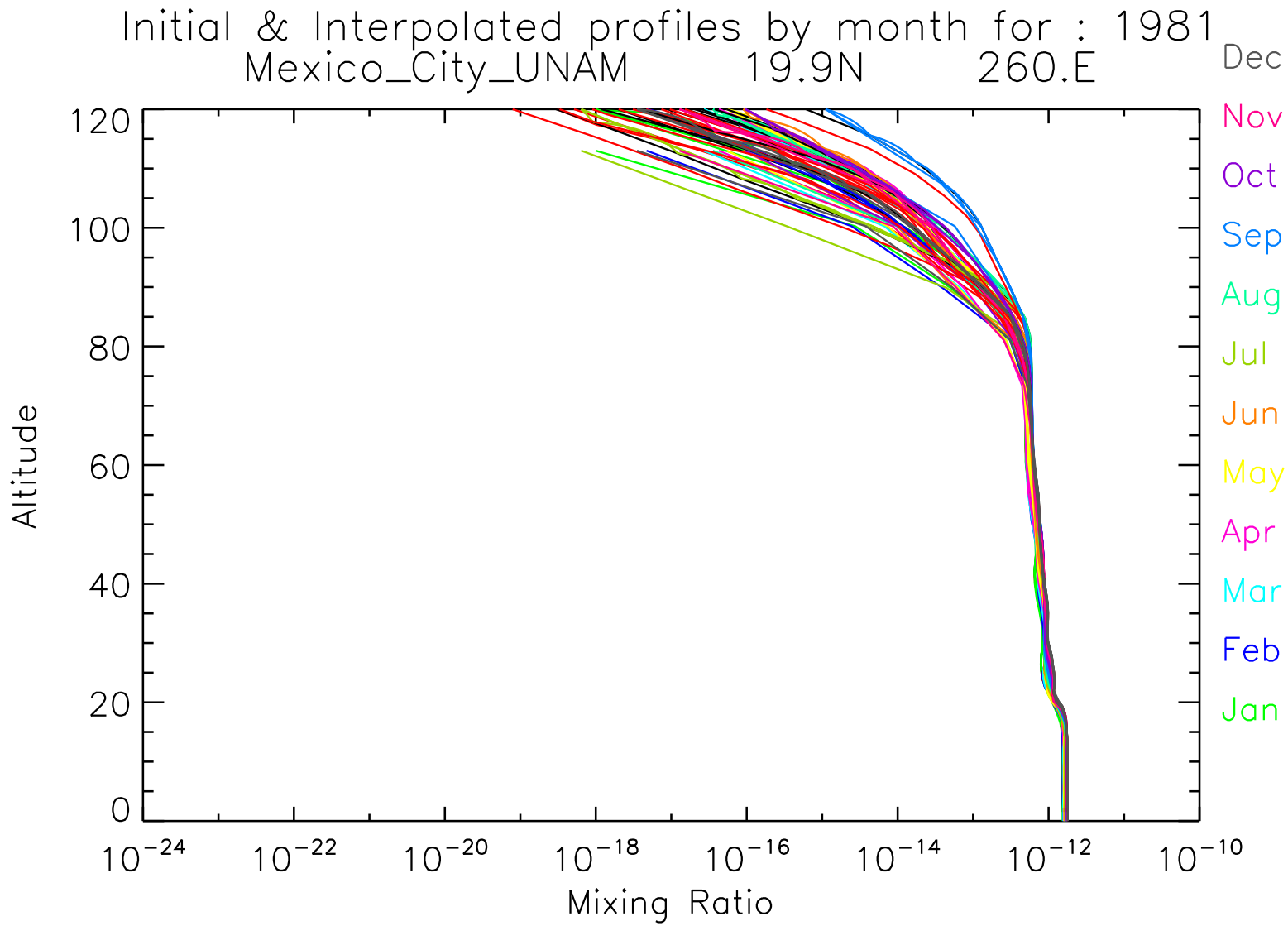
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Mexico_City_UNAM 19.9N 260.E
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
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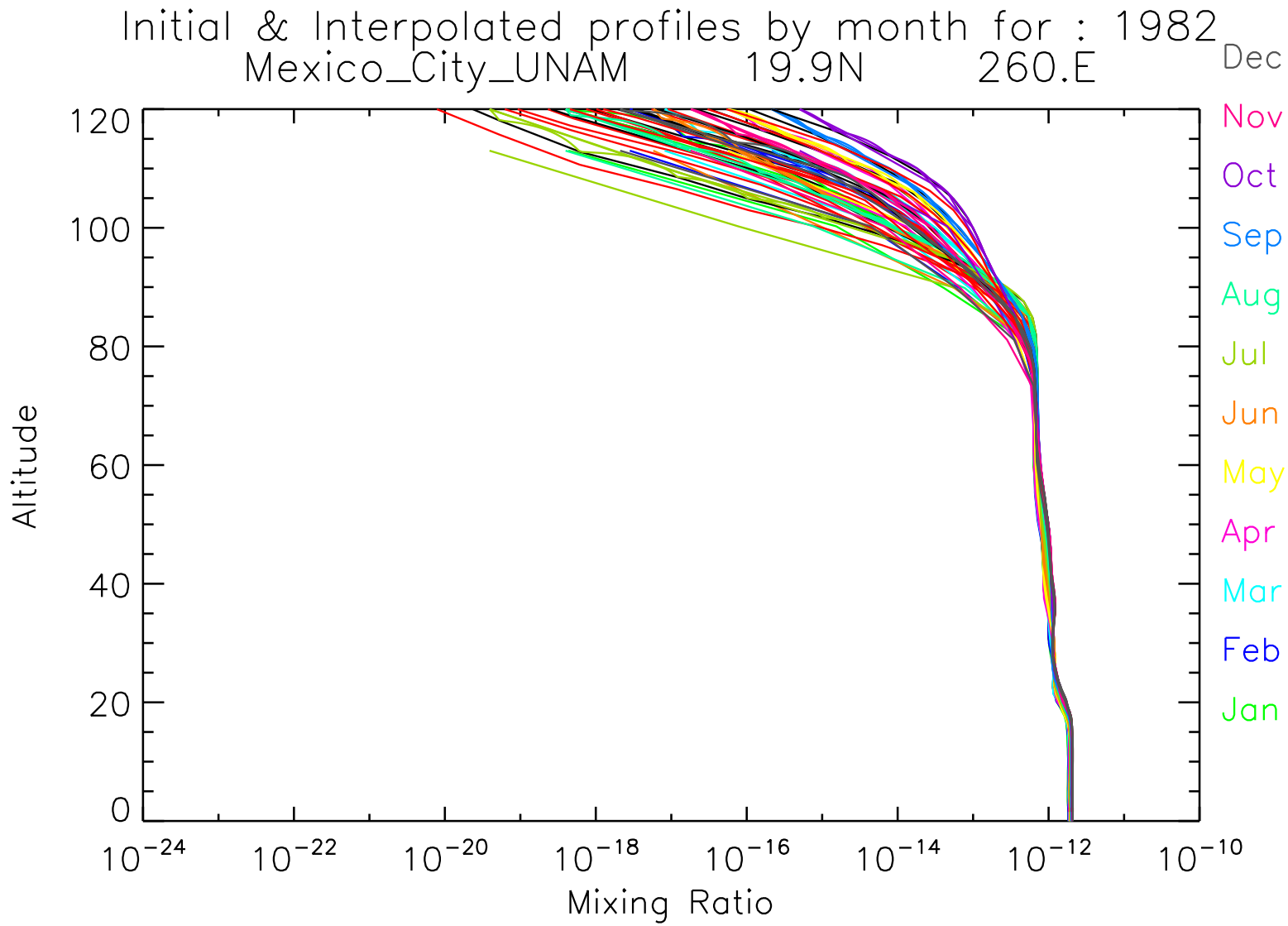
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 1982
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
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May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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10^{-22}
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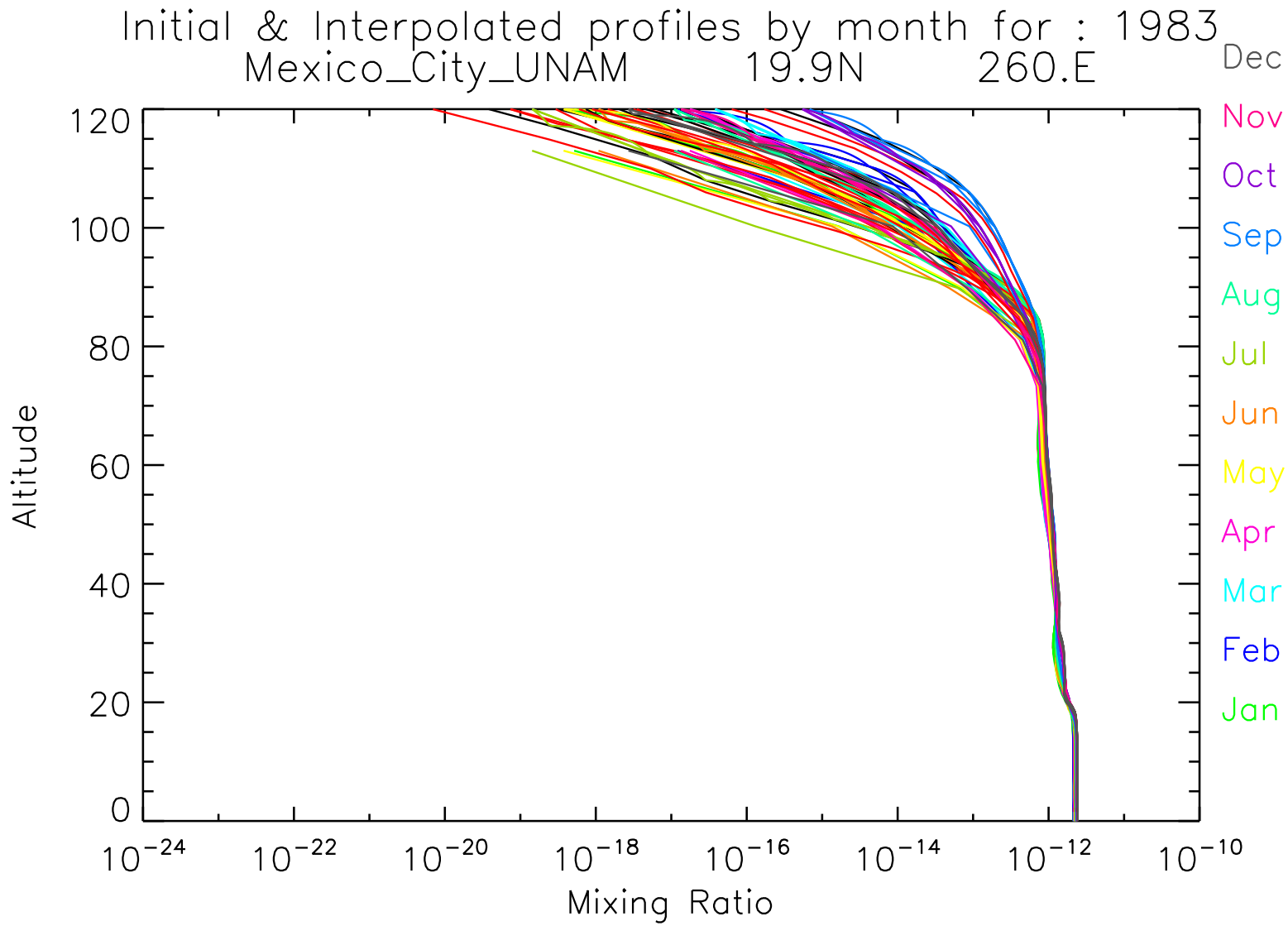
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Feb
Jan
Altitude
120
100
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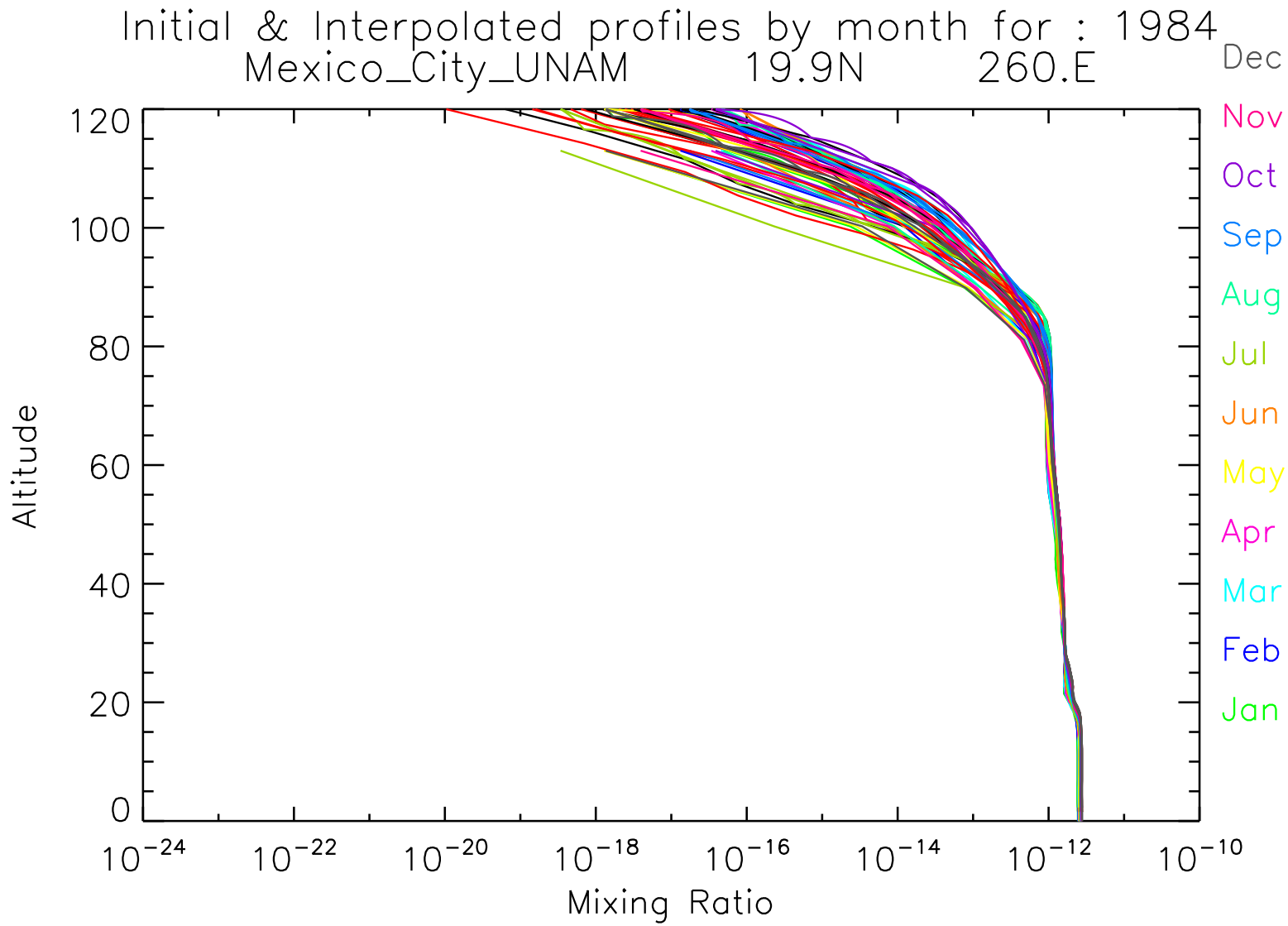
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Feb
Jan
Altitude
120
100
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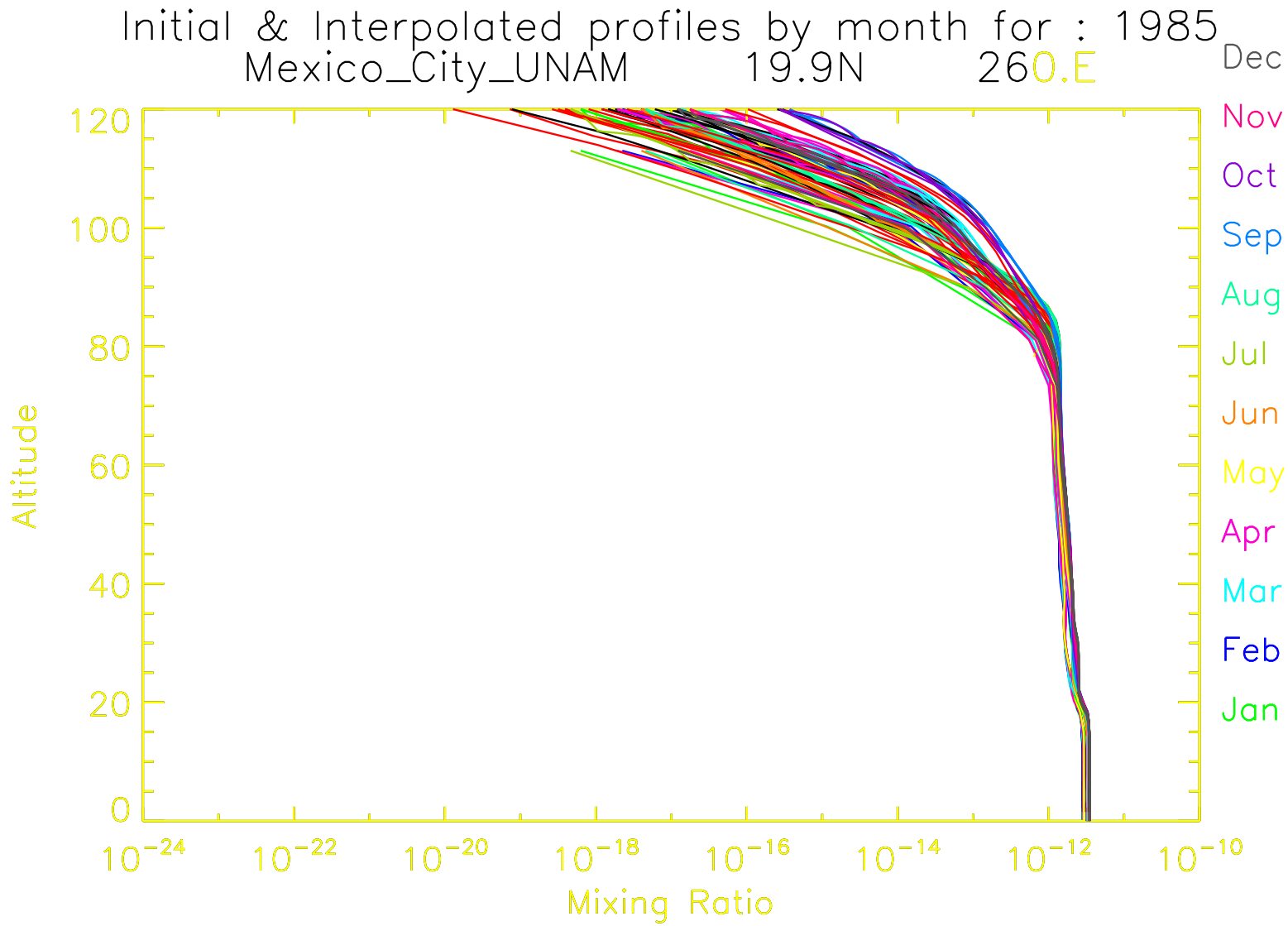
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Sep
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Jul
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May
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Mar
Feb
Jan
120
100
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0
Altitude
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10^-22
10^-20
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10^-16
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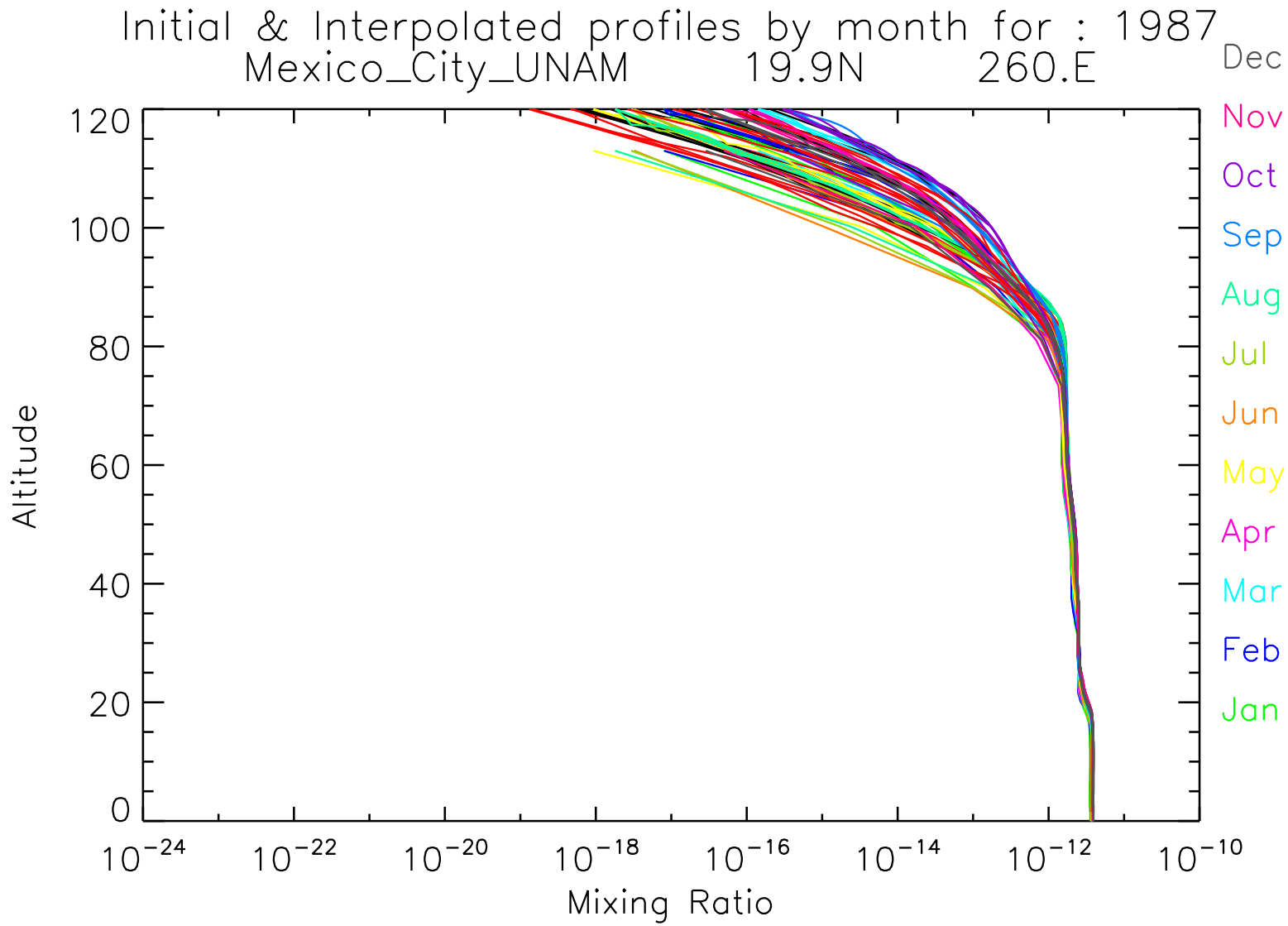
10^-12
10^-10
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Feb
Jan
Altitude
120
100
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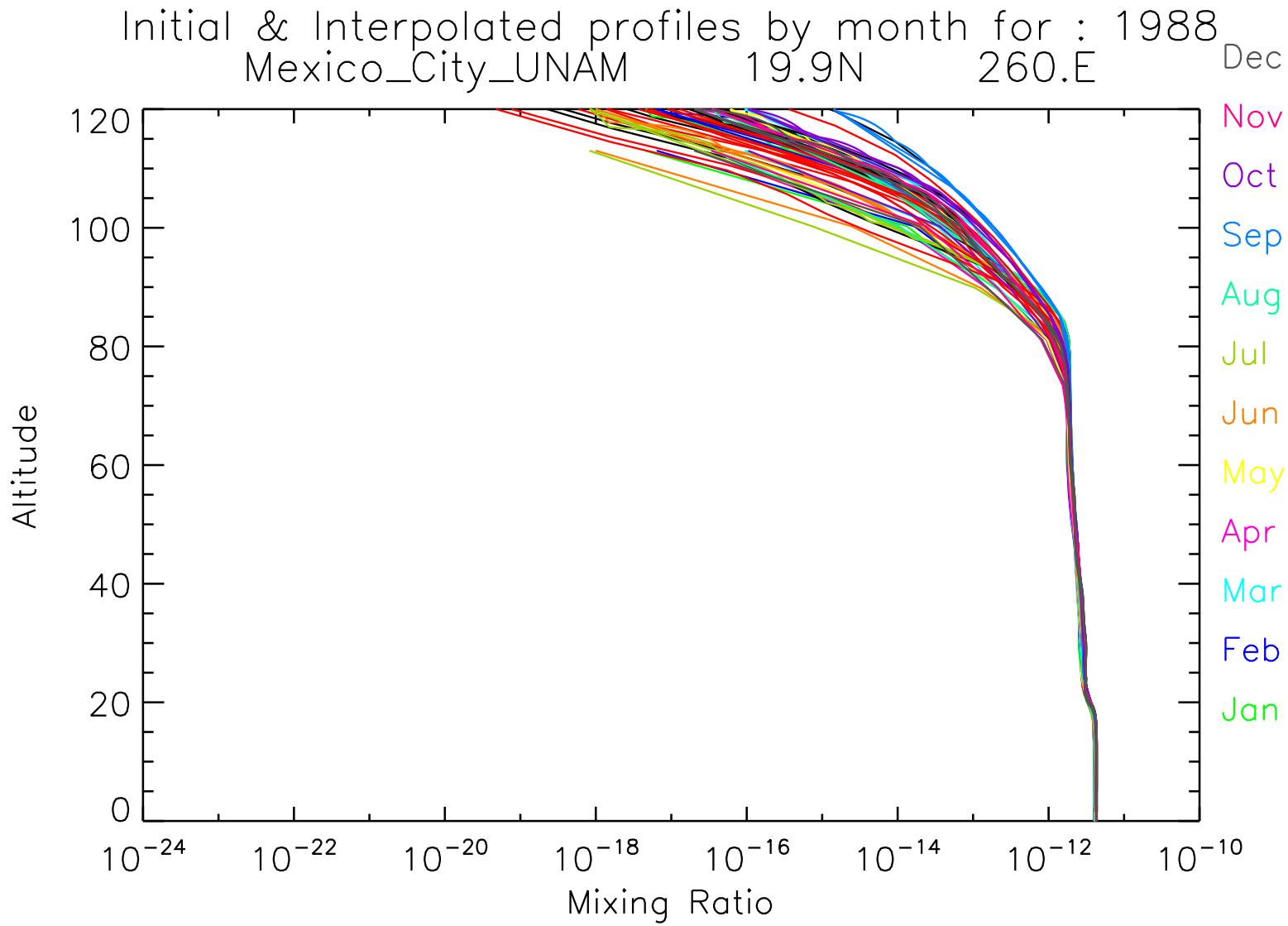
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Jan
120
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Altitude
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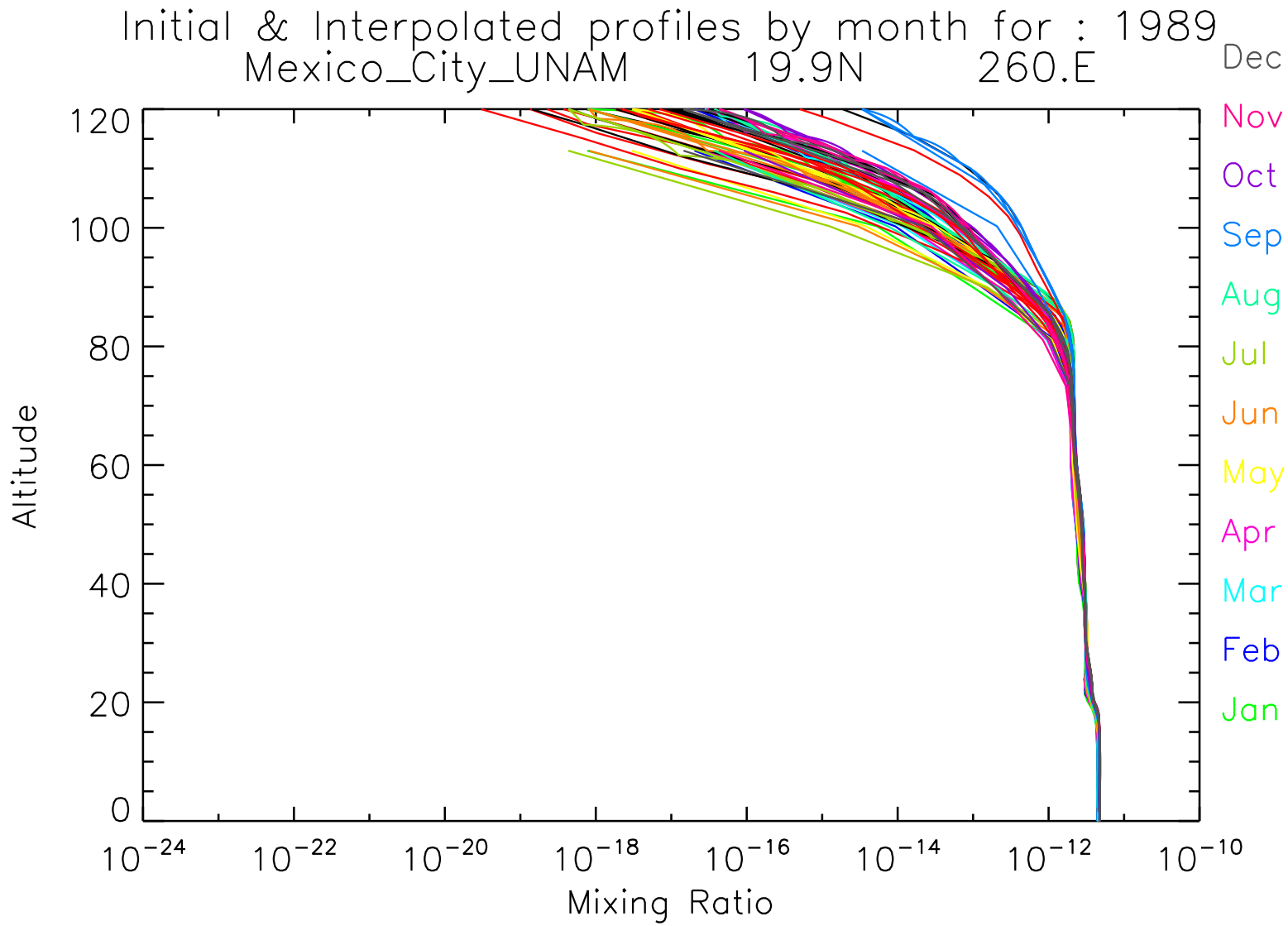
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Mexico_City_UNAM 19.9N 260.E
Dec
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Altitude
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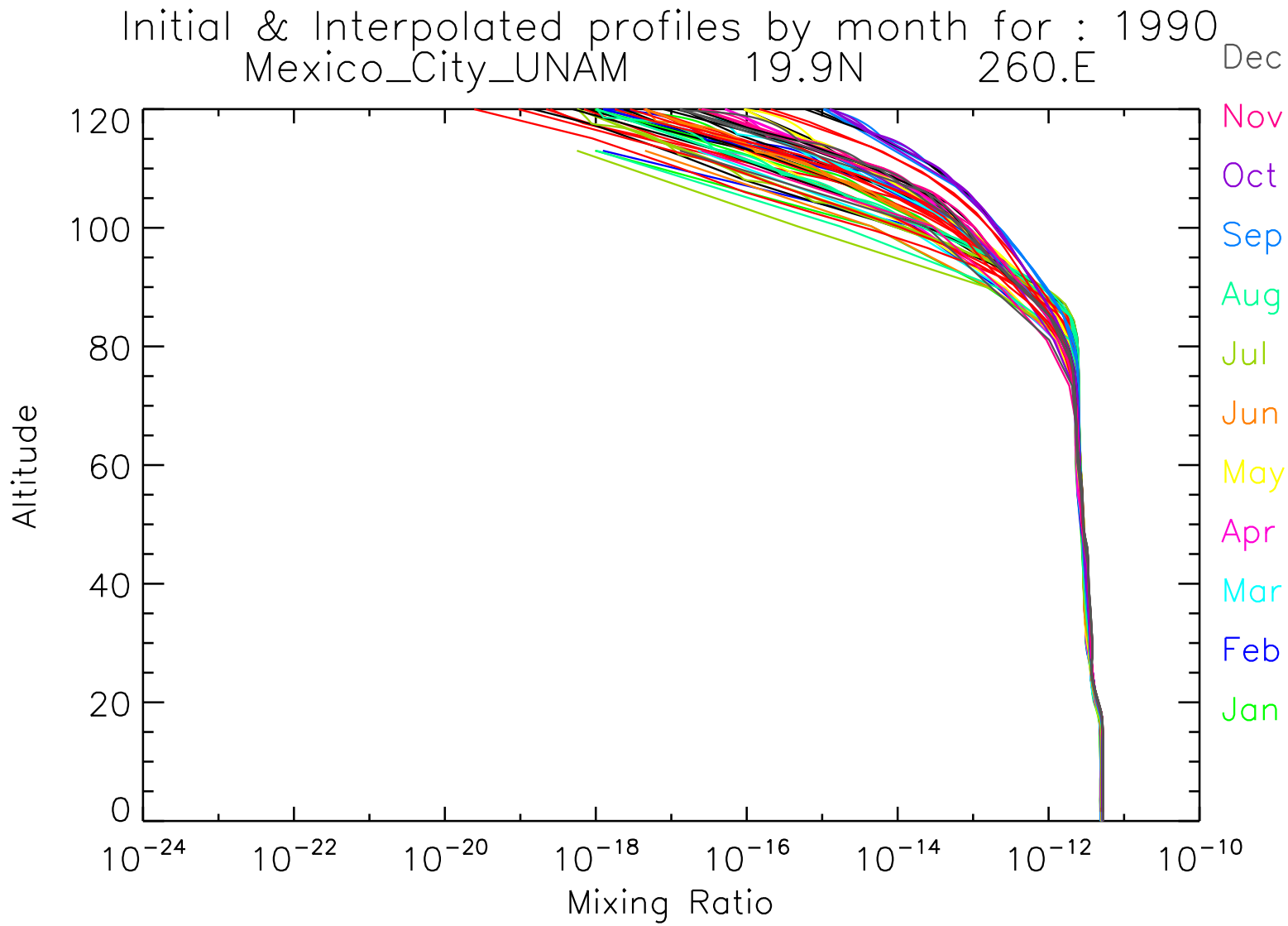
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Mexico_City_UNAM 19.9N 260.E
Dec
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Altitude
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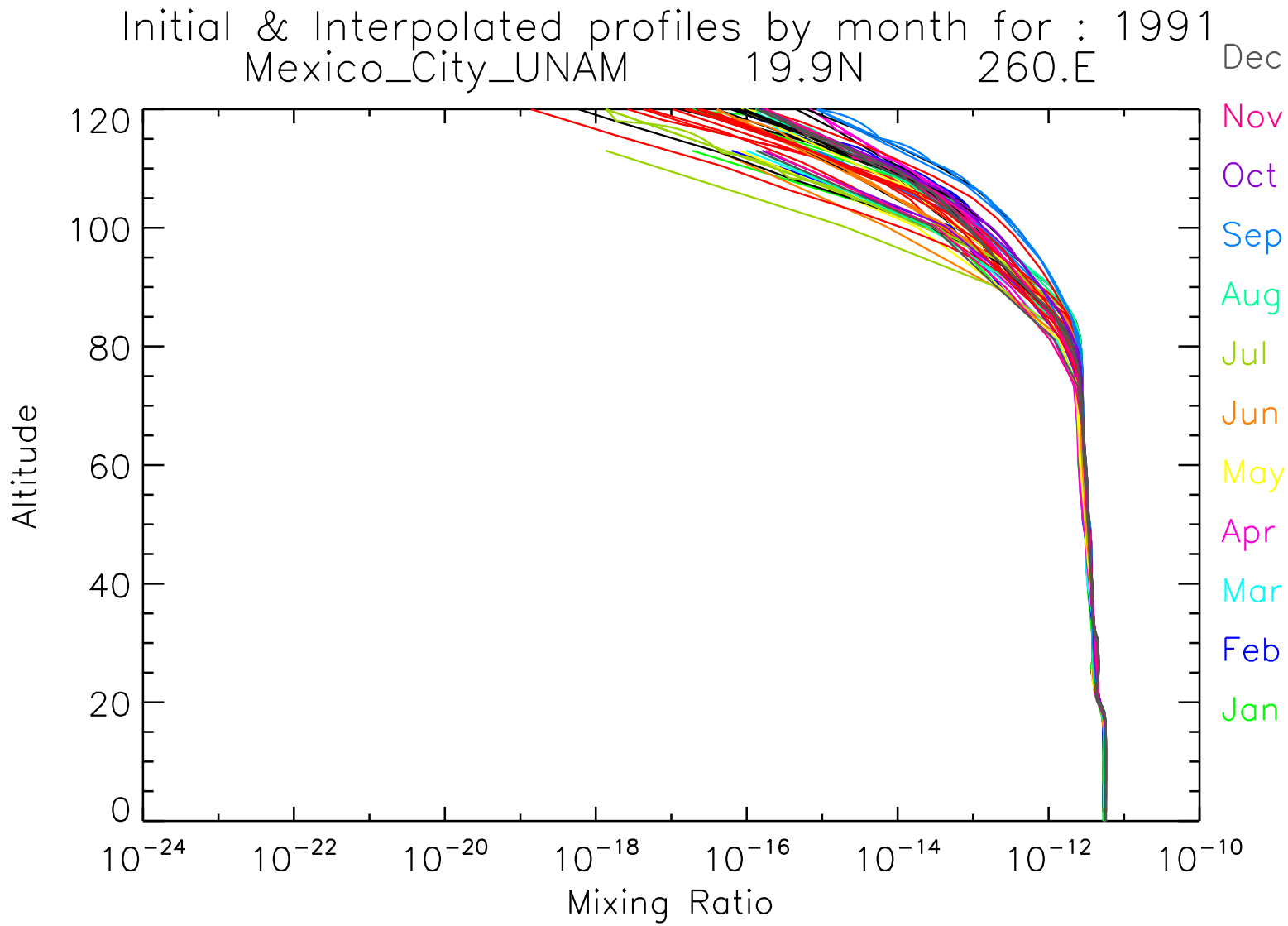
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Mexico_City_UNAM 19.9N 260.E
Dec
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Jan
Altitude
120
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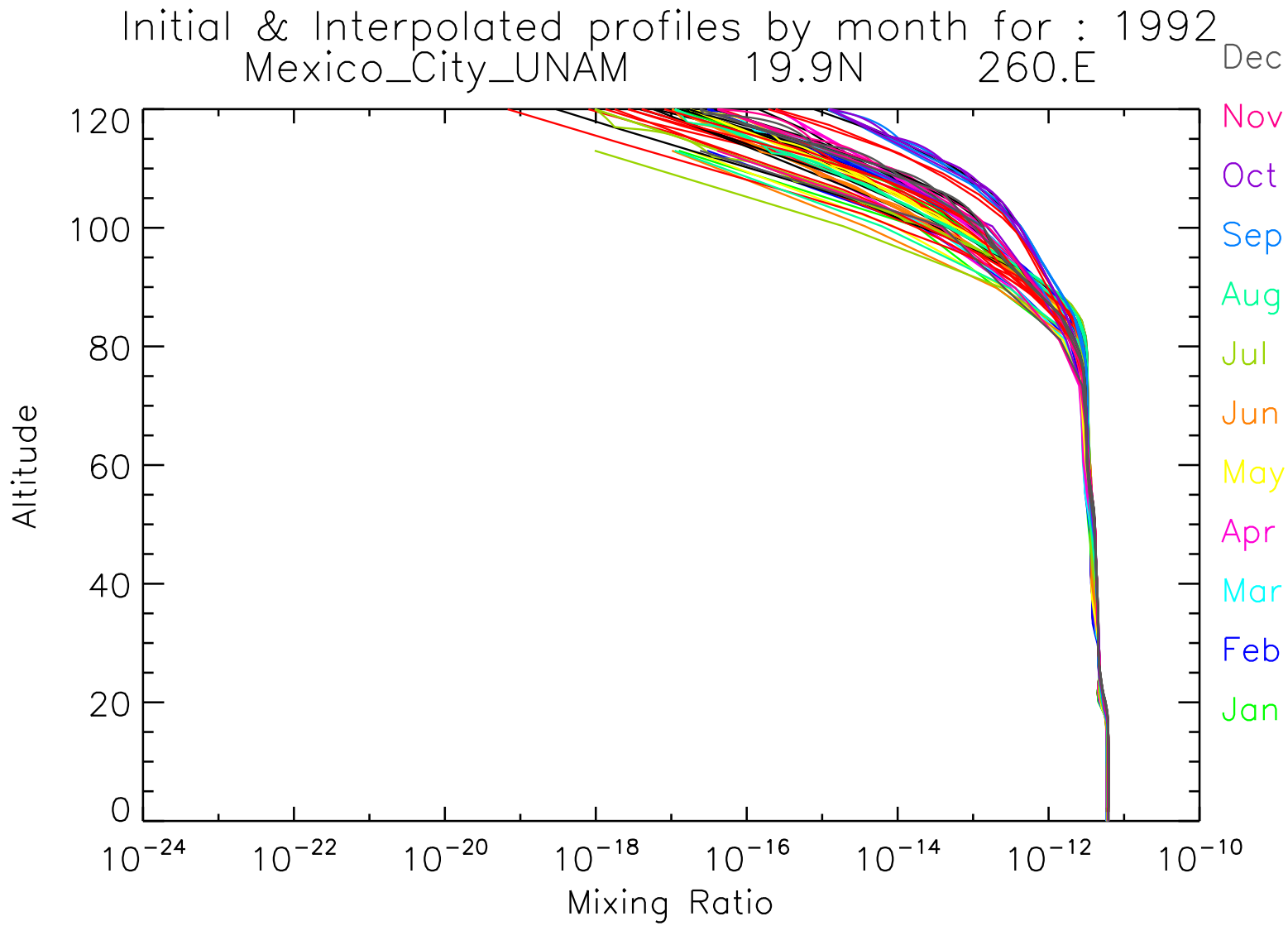
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Mexico_City_UNAM 19.9N 260.E
Dec
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Altitude
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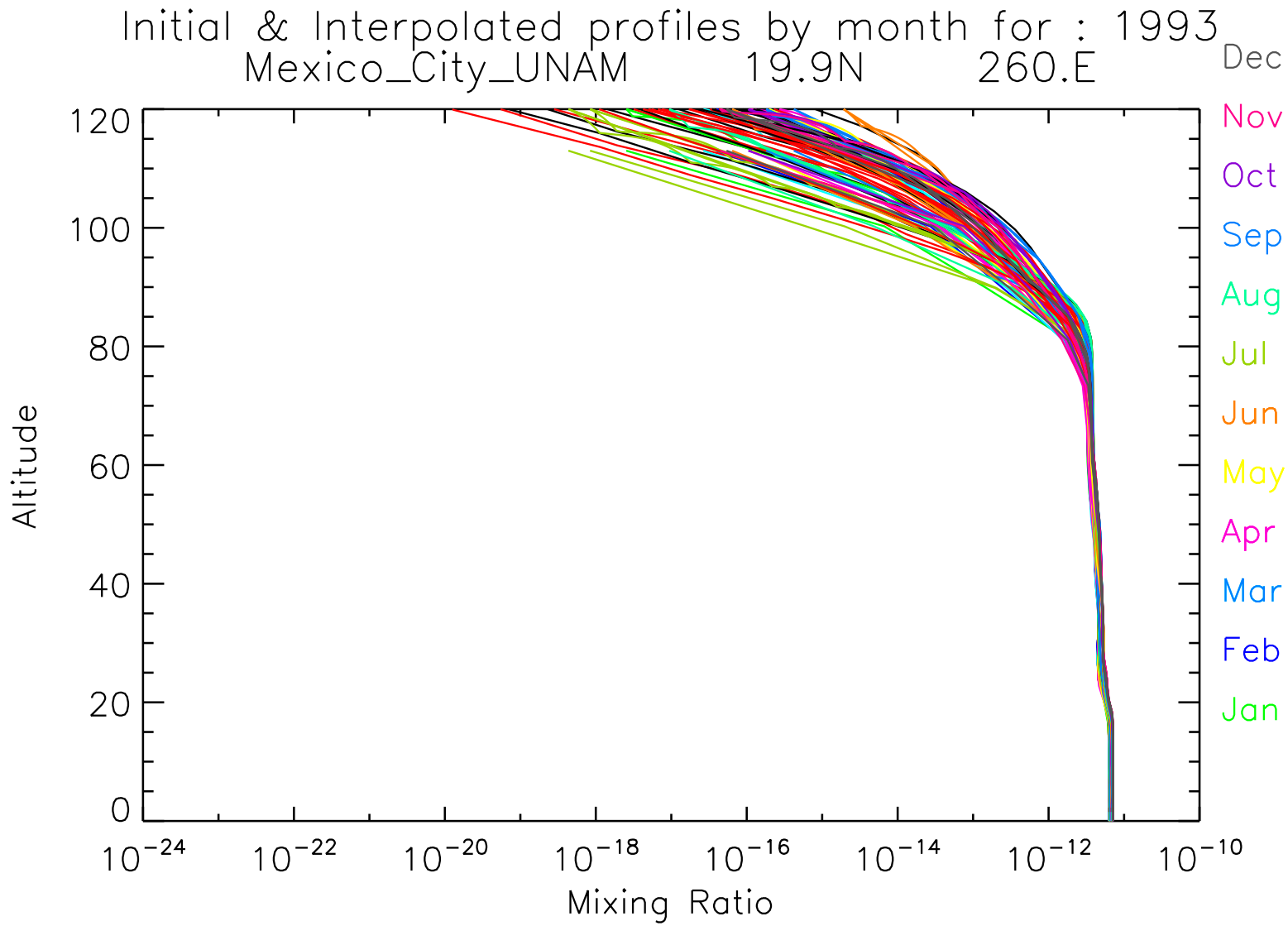
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Mexico_City_UNAM 19.9N 260.E
Dec
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Altitude
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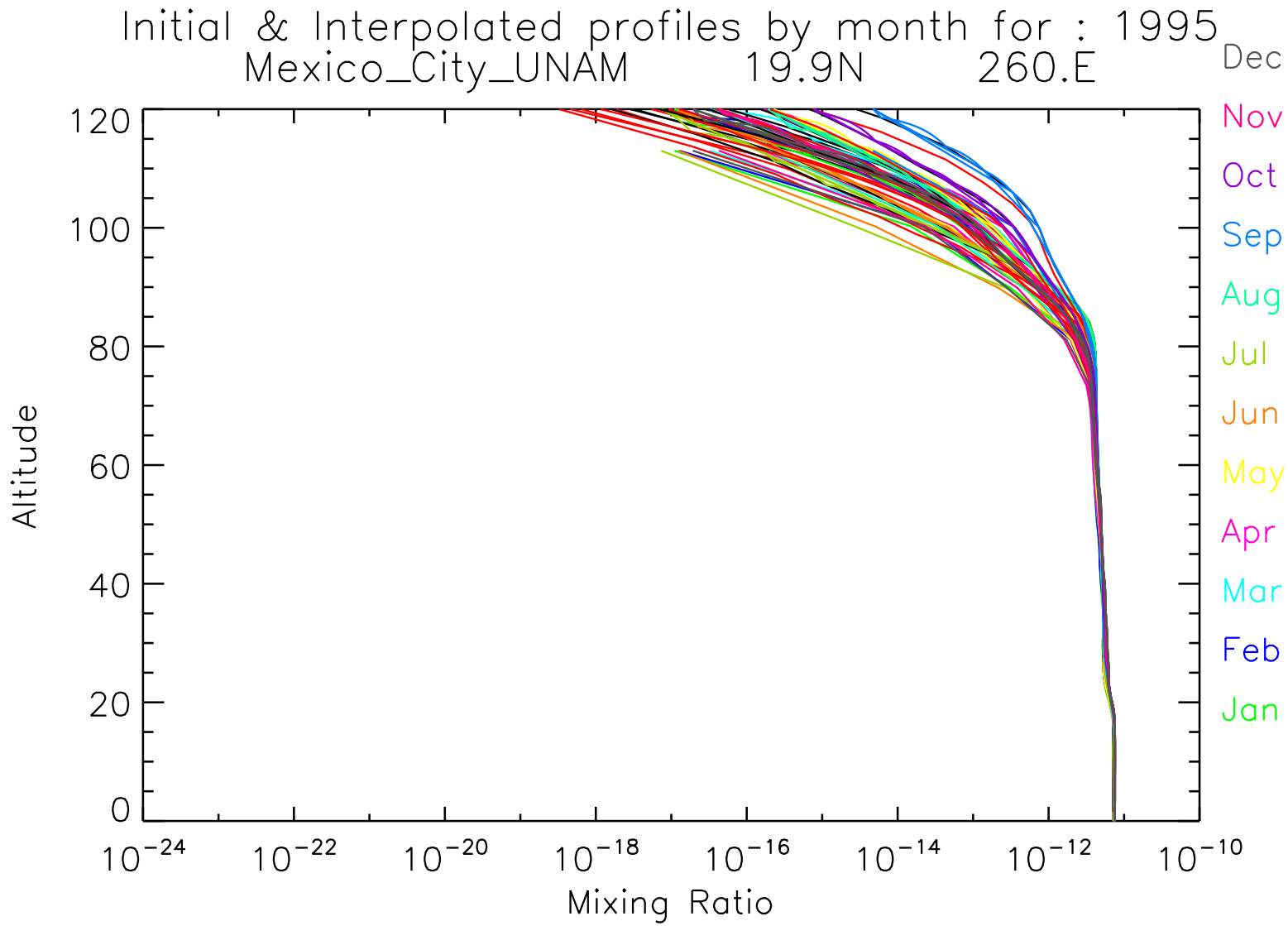
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Feb
Jan
Altitude
120
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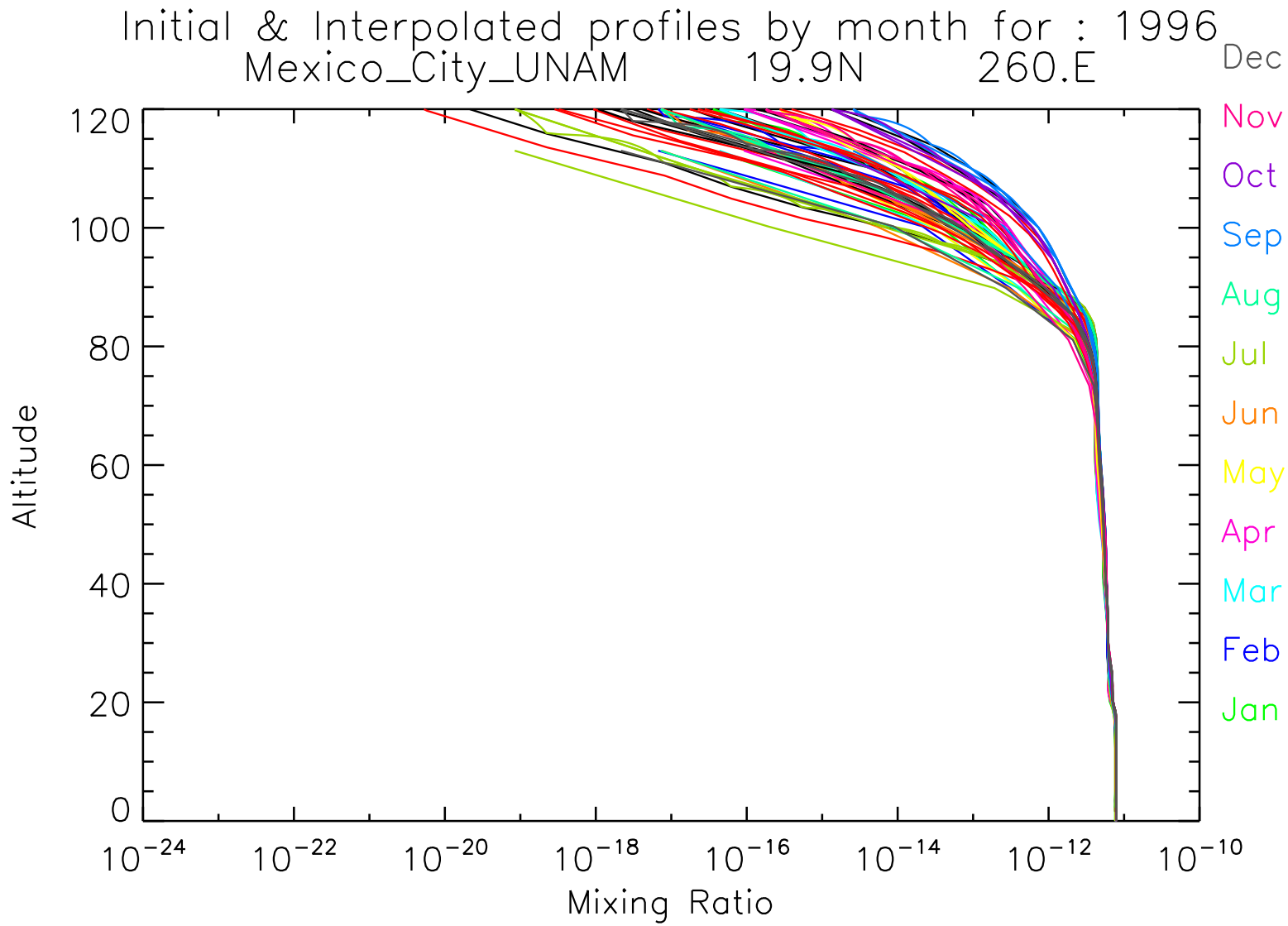
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Mexico_City_UNAM 19.9N 260.E
Dec
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Feb
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Altitude
120
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10^{-22}
10^{-20}
10^{-18}
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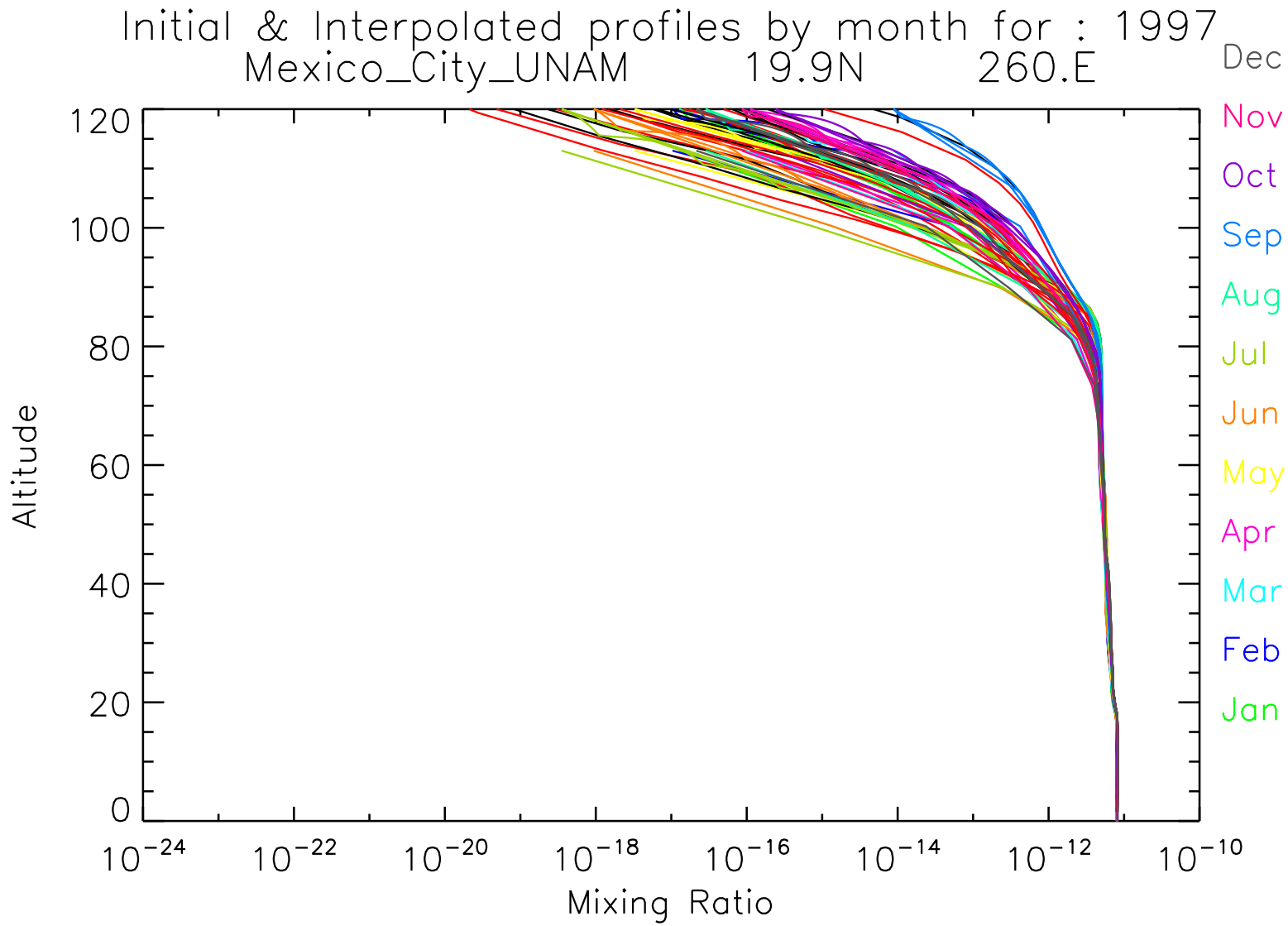
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Feb
Jan
Altitude
120
100
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10^{-22}
10^{-20}
10^{-18}
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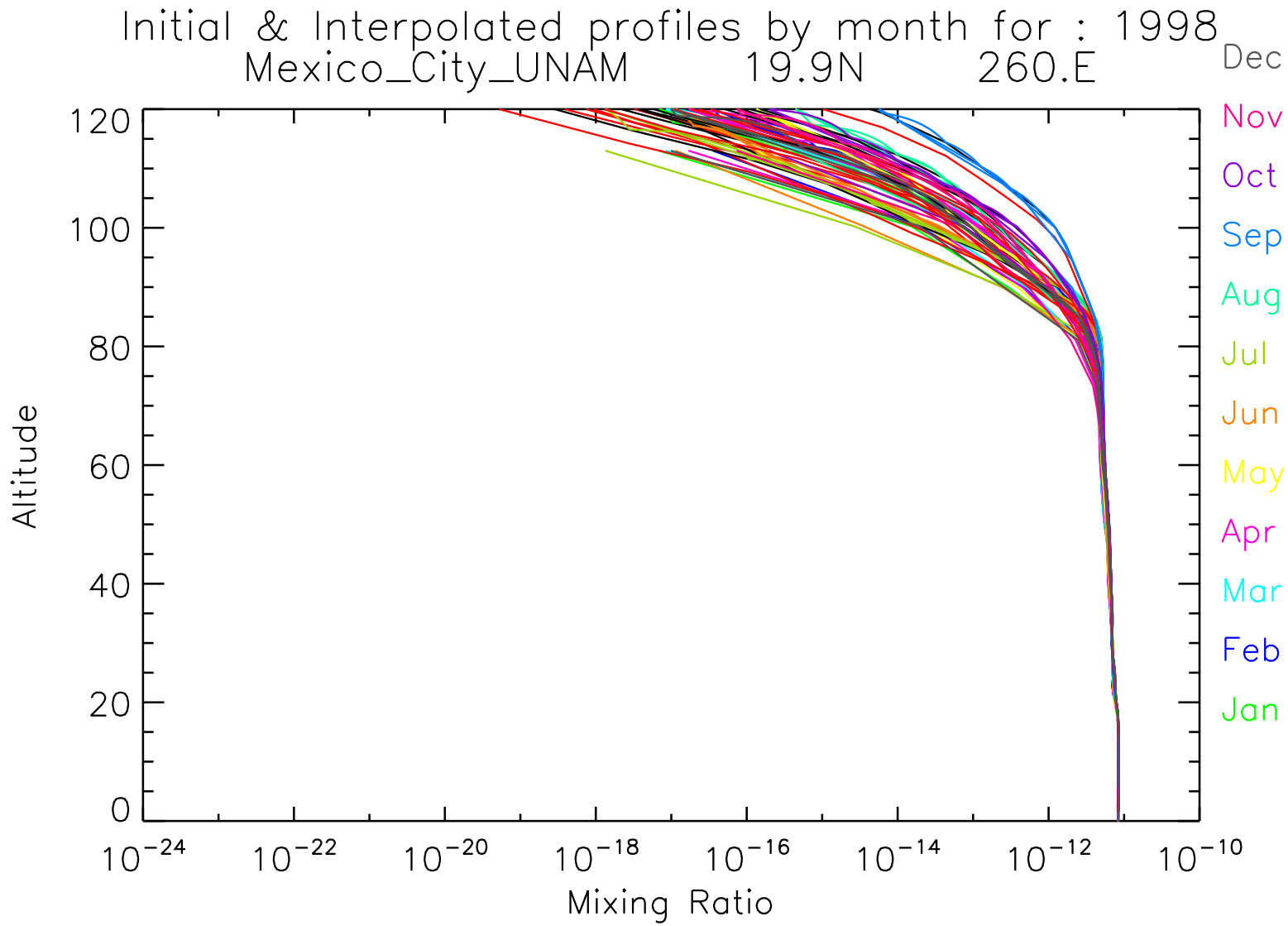
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Mexico_City_UNAM 19.9N 260.E
Dec
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Feb
Jan
Altitude
120
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10^{-22}
10^{-20}
10^{-18}
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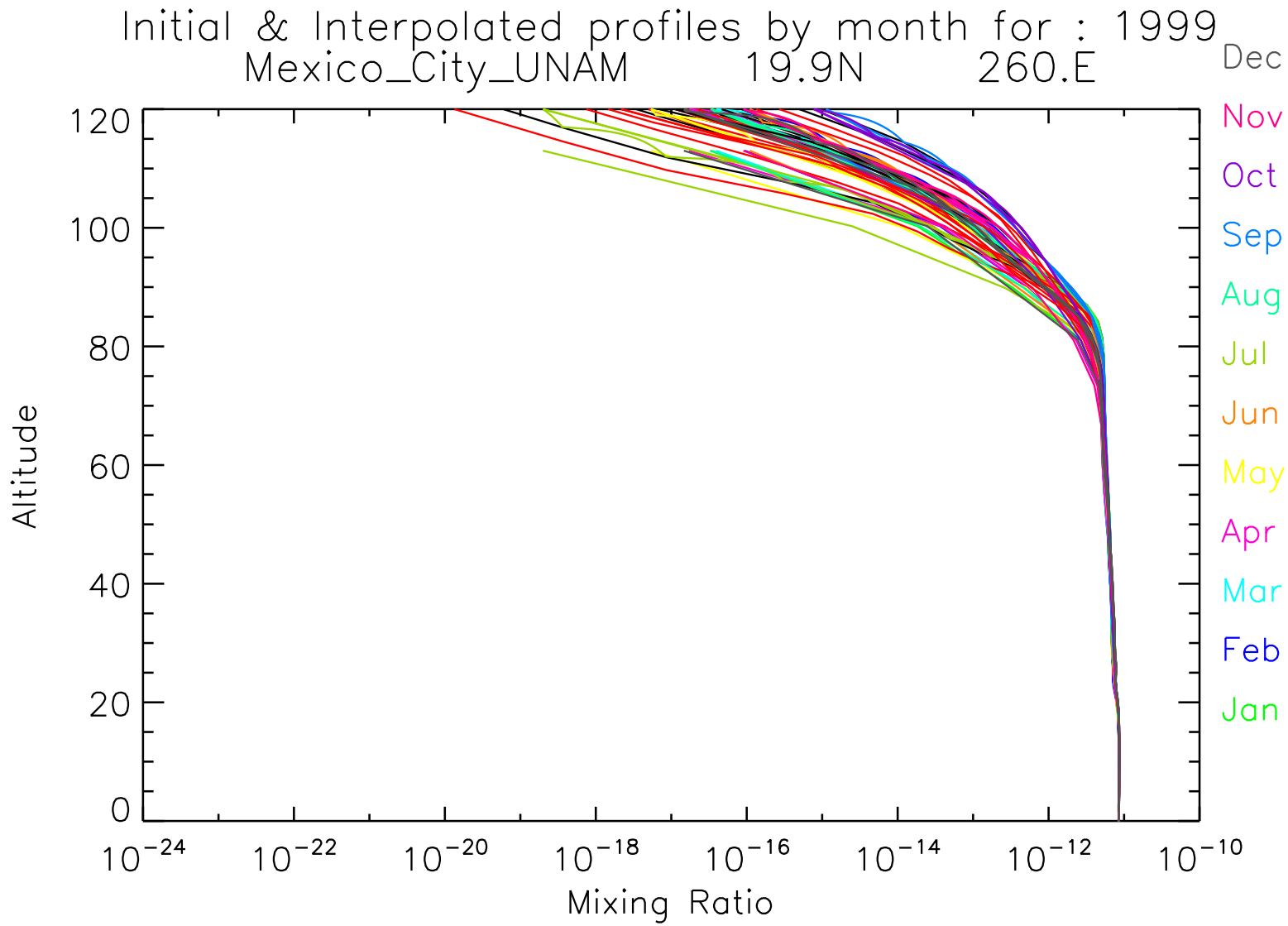
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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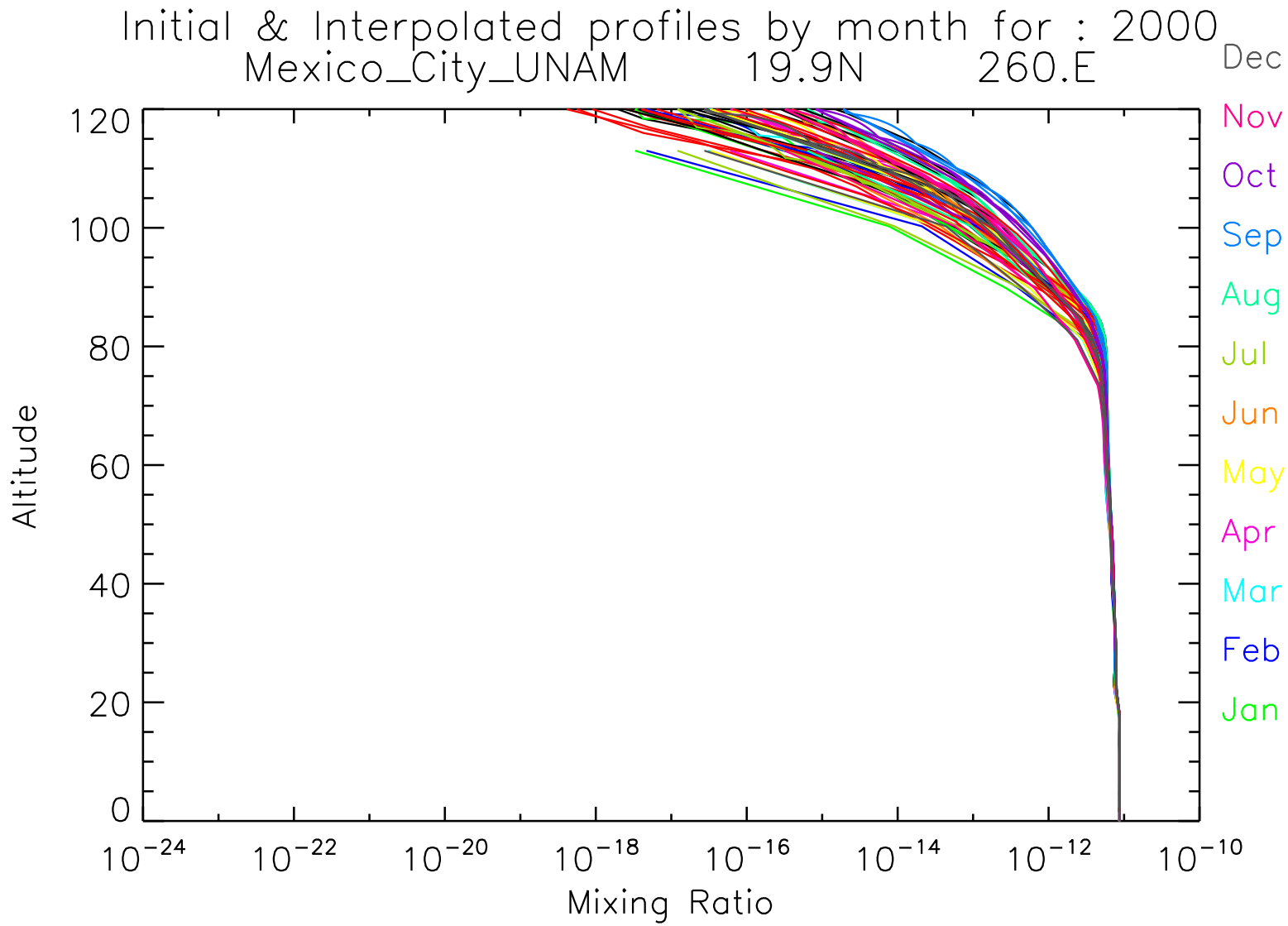
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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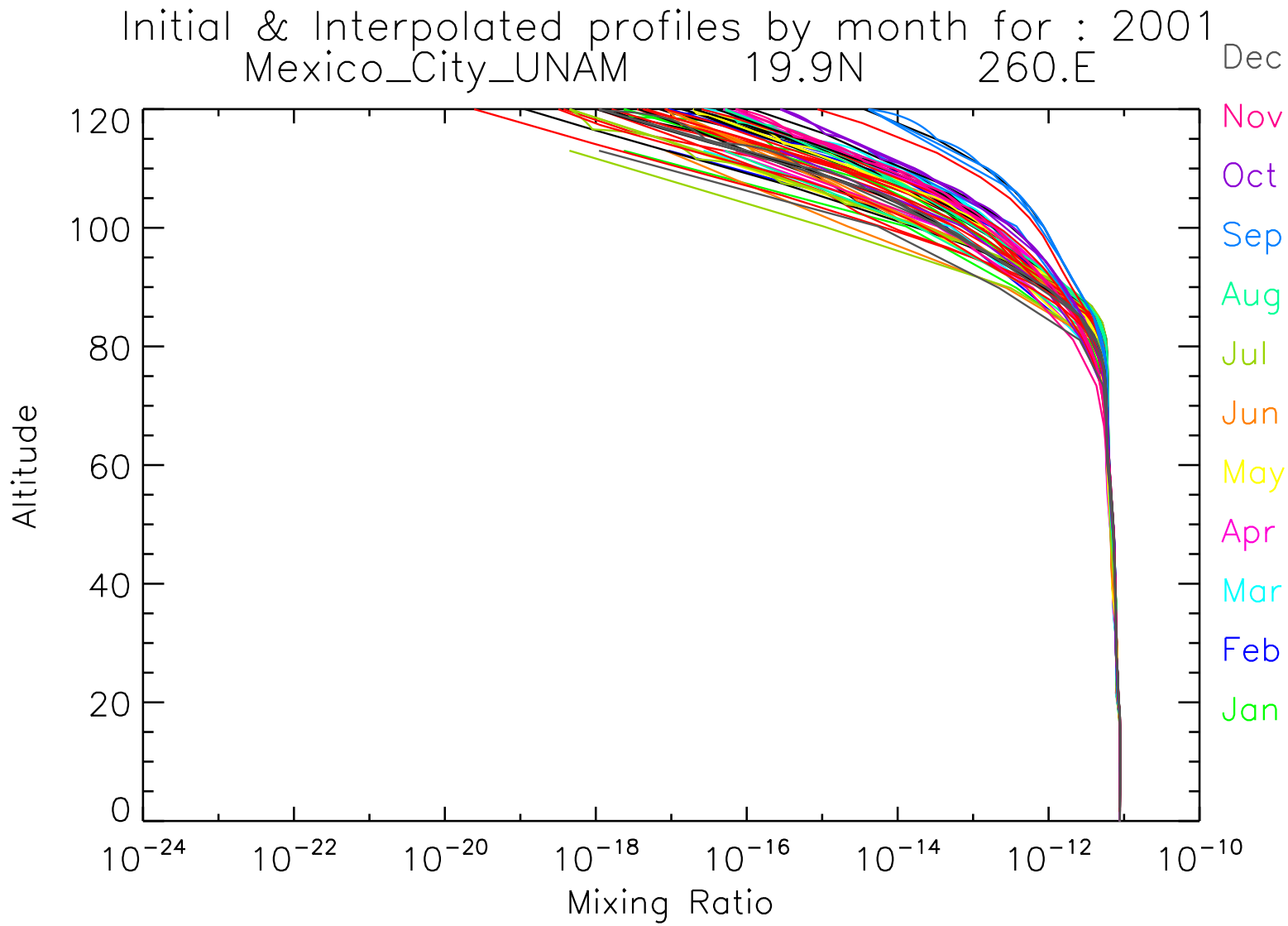
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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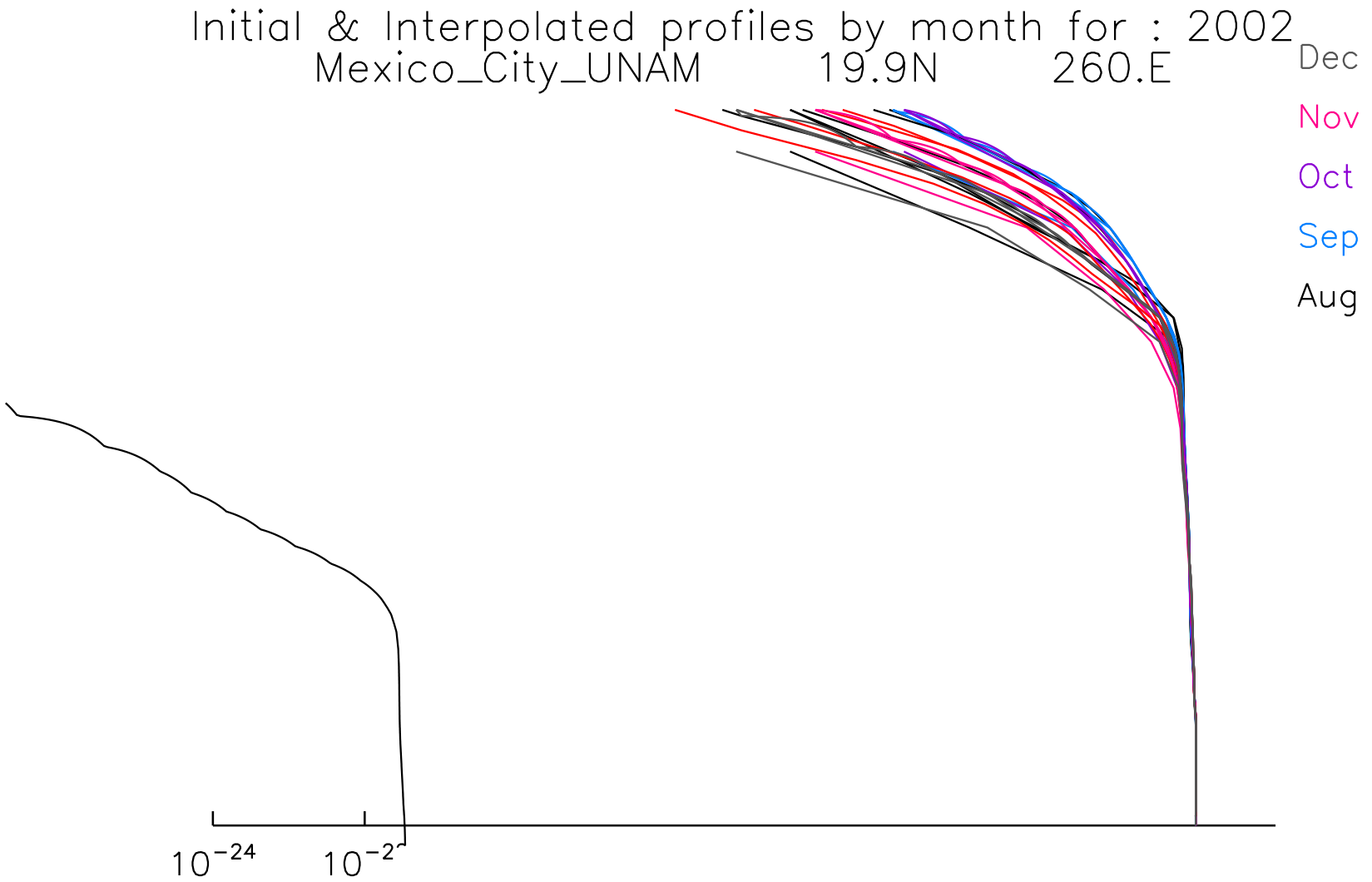
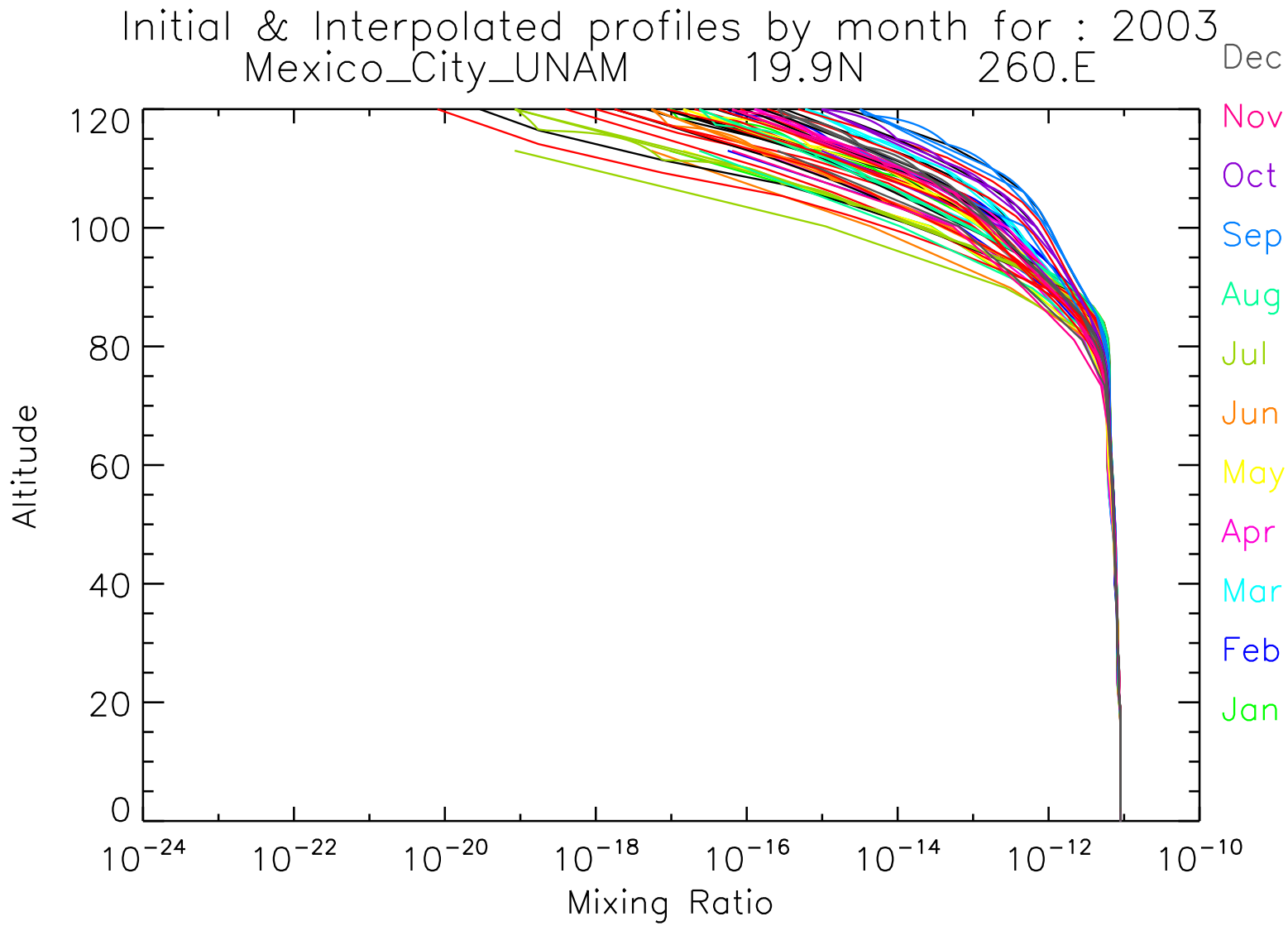
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
10^{-24}
10^{-2}


Initial & Interpolated profiles by month for : 2003
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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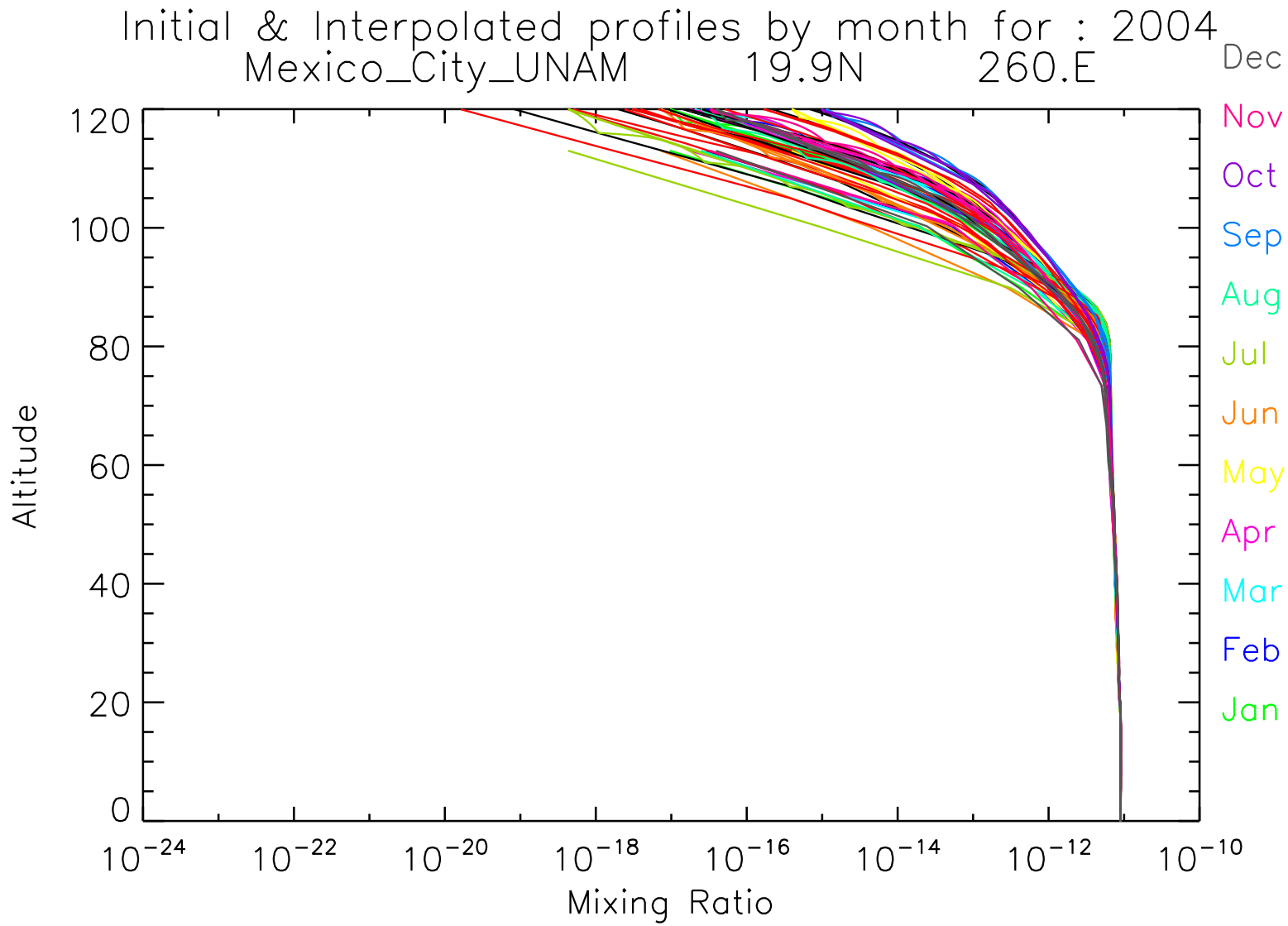
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
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May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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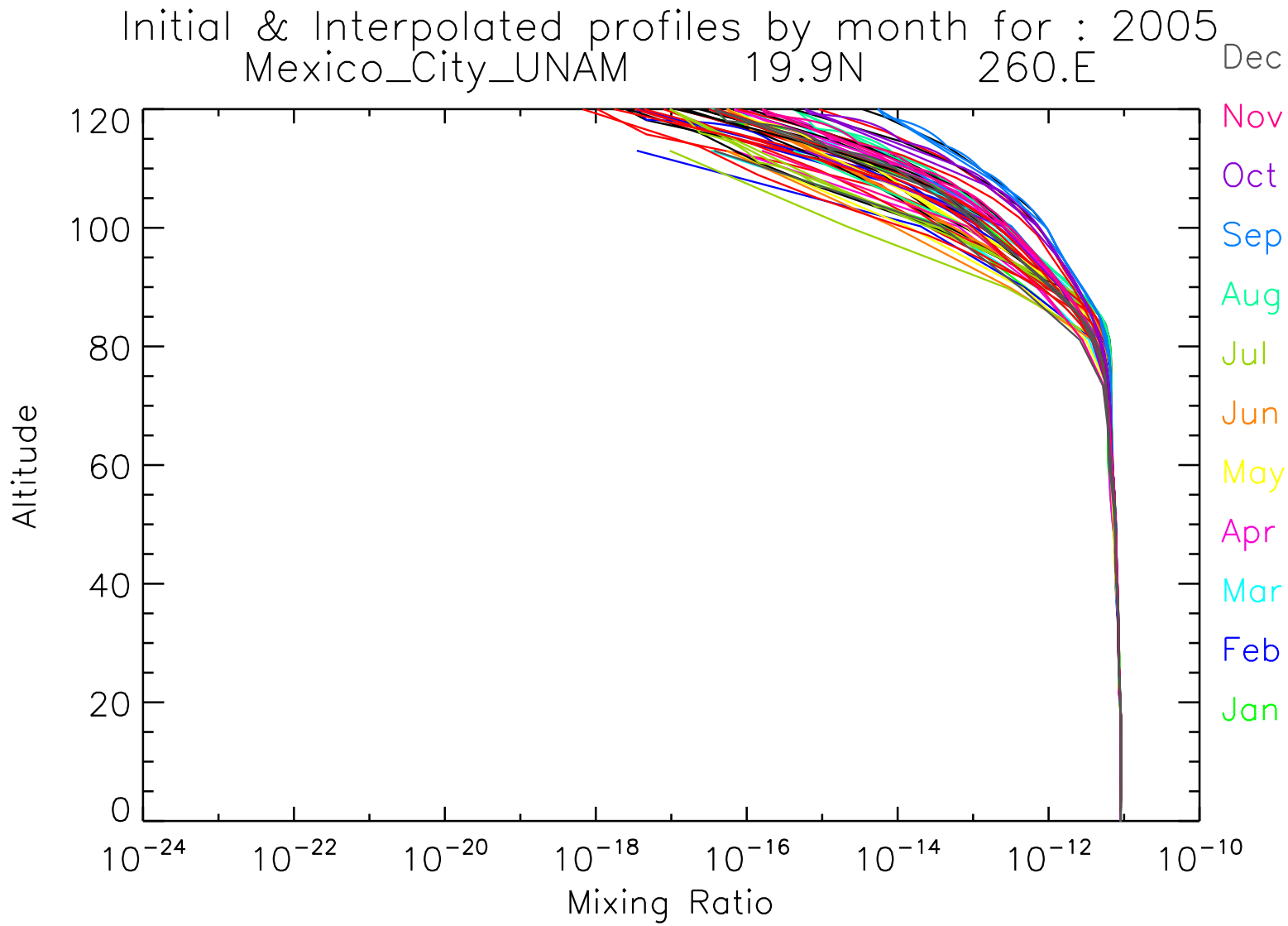
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Mexico_City_UNAM 19.9N 260.E
Dec
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Feb
Jan
Altitude
120
100
80
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10^{-18}
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10^{-14}
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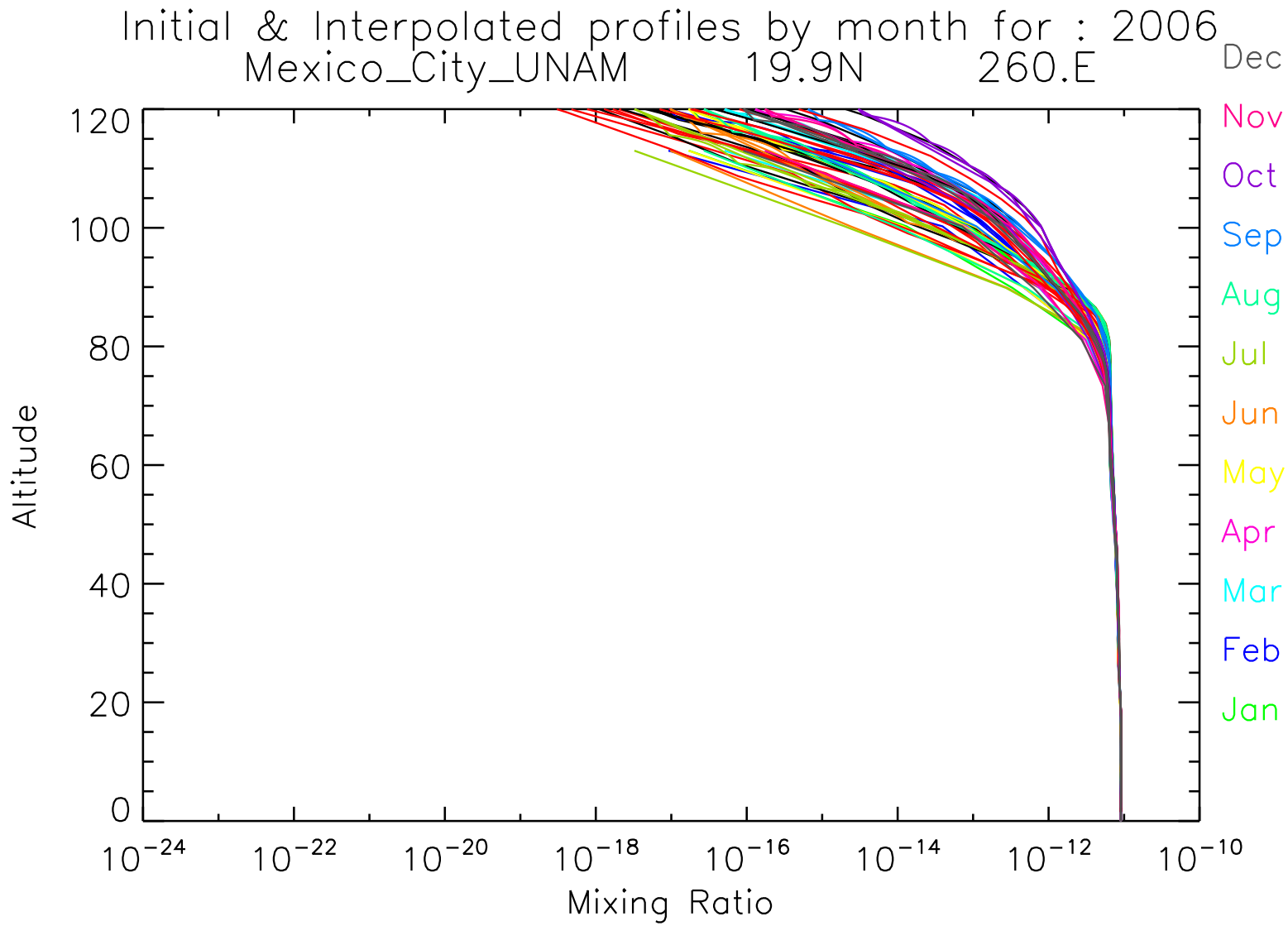
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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May
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Feb
Jan
Altitude
120
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60
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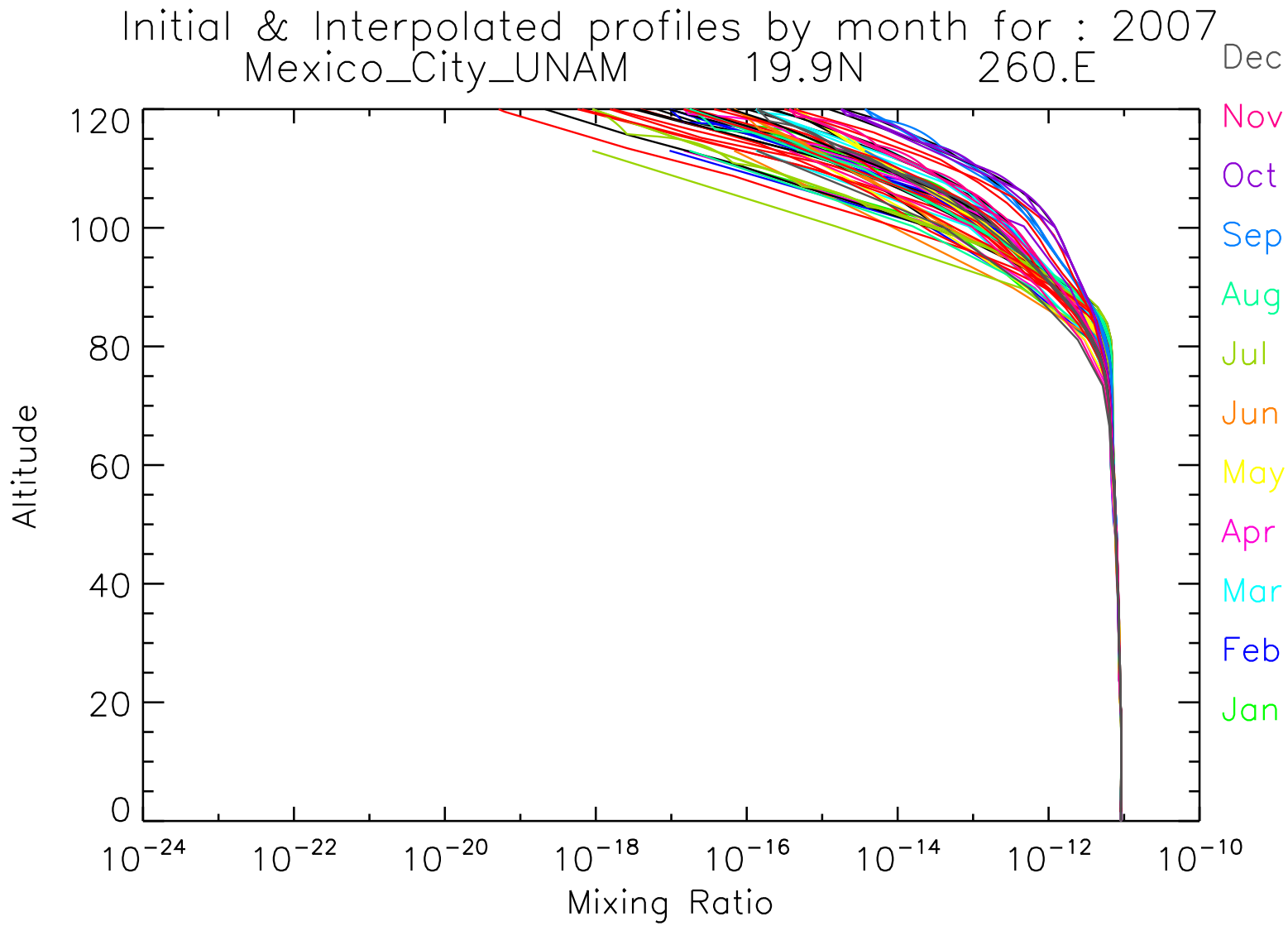
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Feb
Jan
Altitude
120
100
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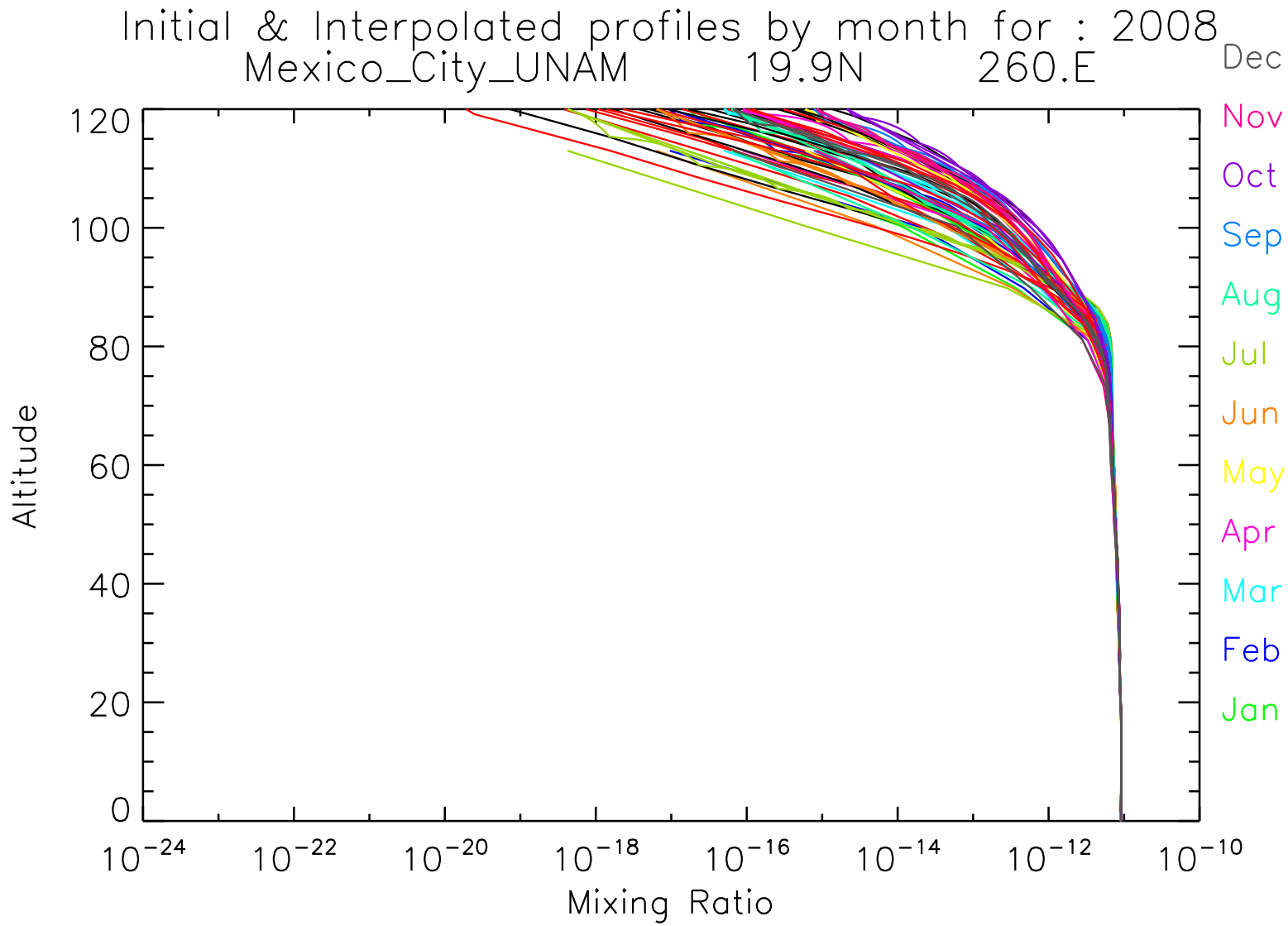
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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May
Apr
Mar
Feb
Jan
Altitude
120
100
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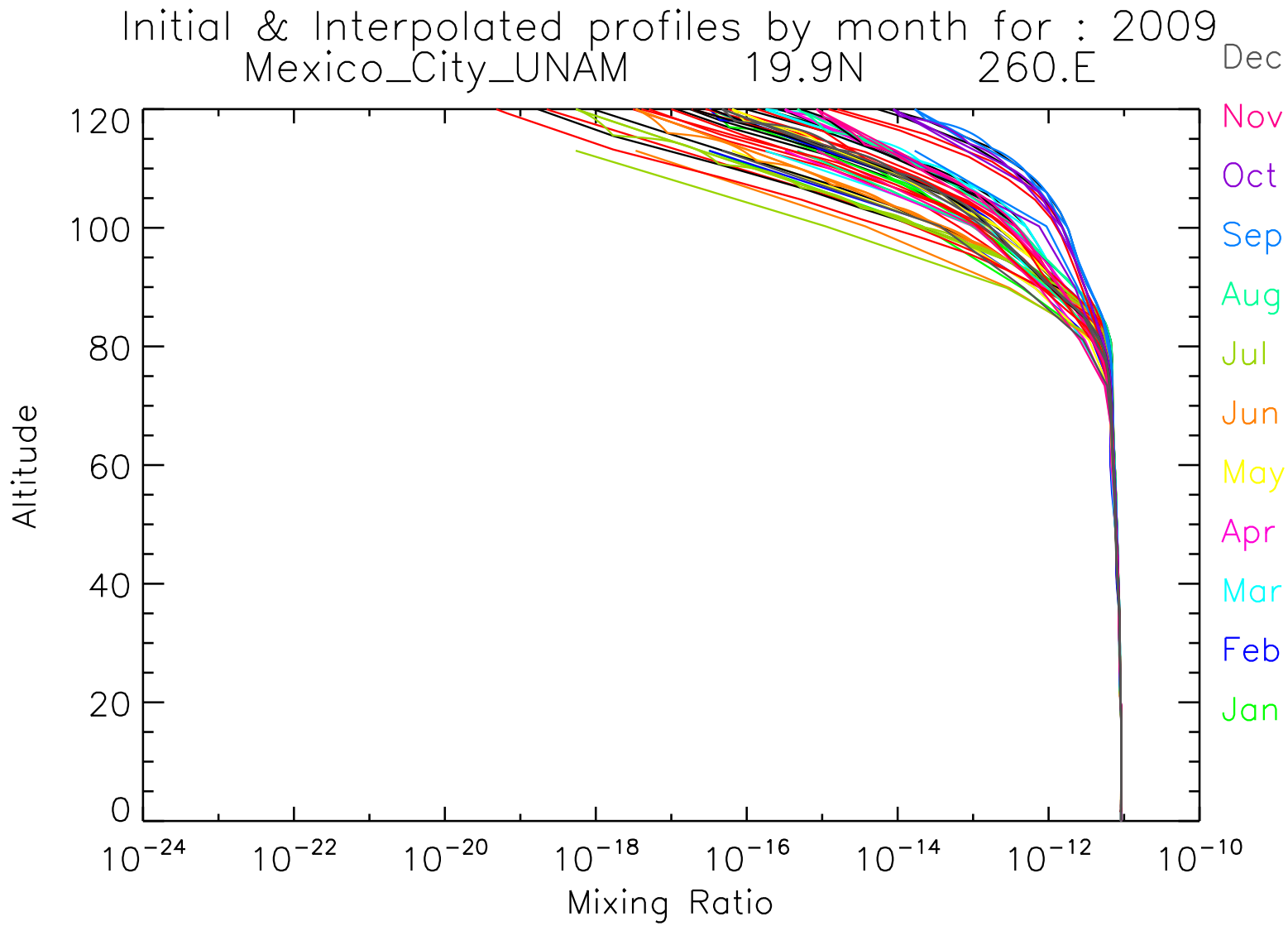
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Mexico_City_UNAM 19.9N 260.E
Dec
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Feb
Jan
Altitude
120
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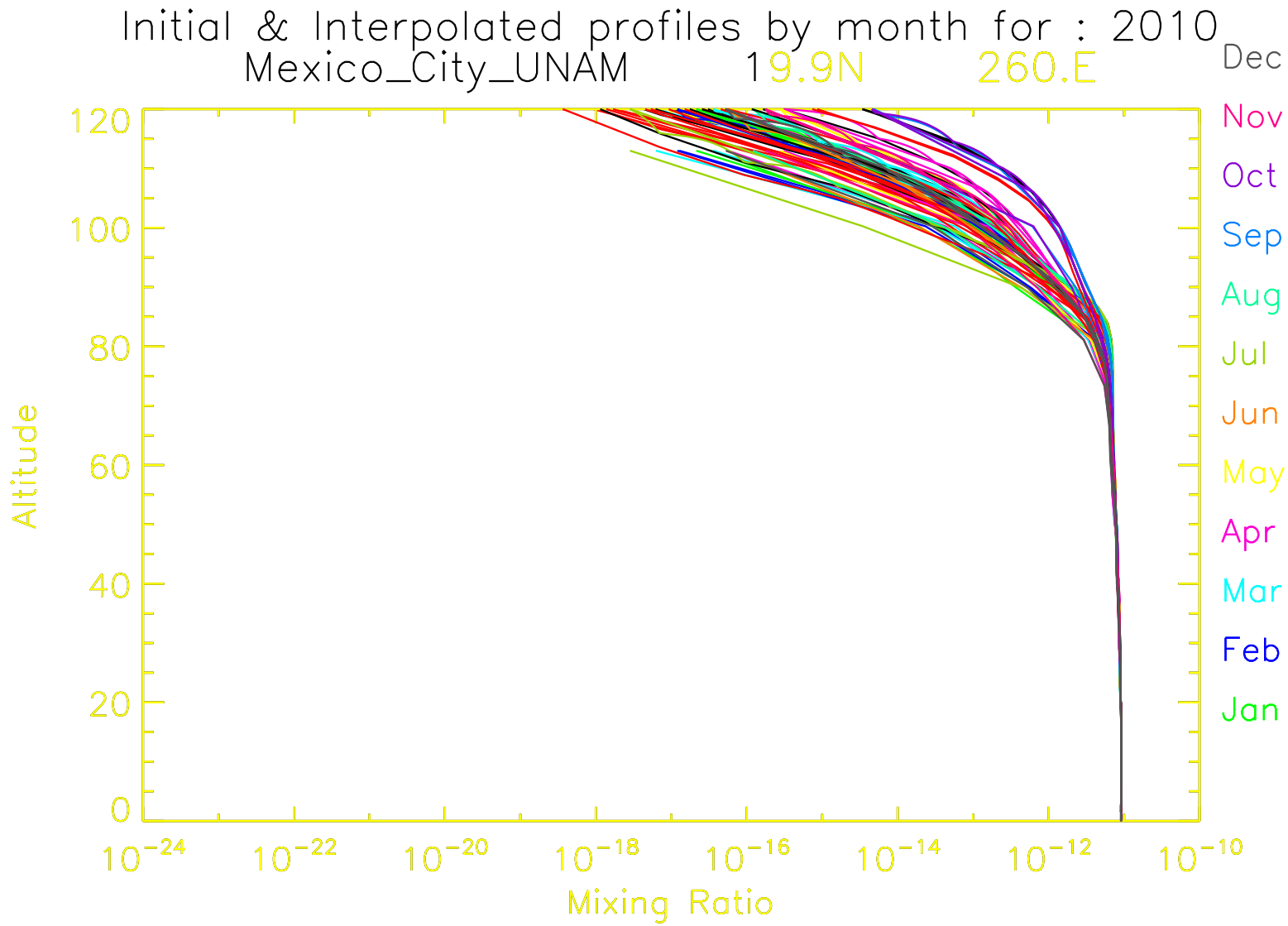
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Feb
Jan
Altitude
120
100
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10^{-18}
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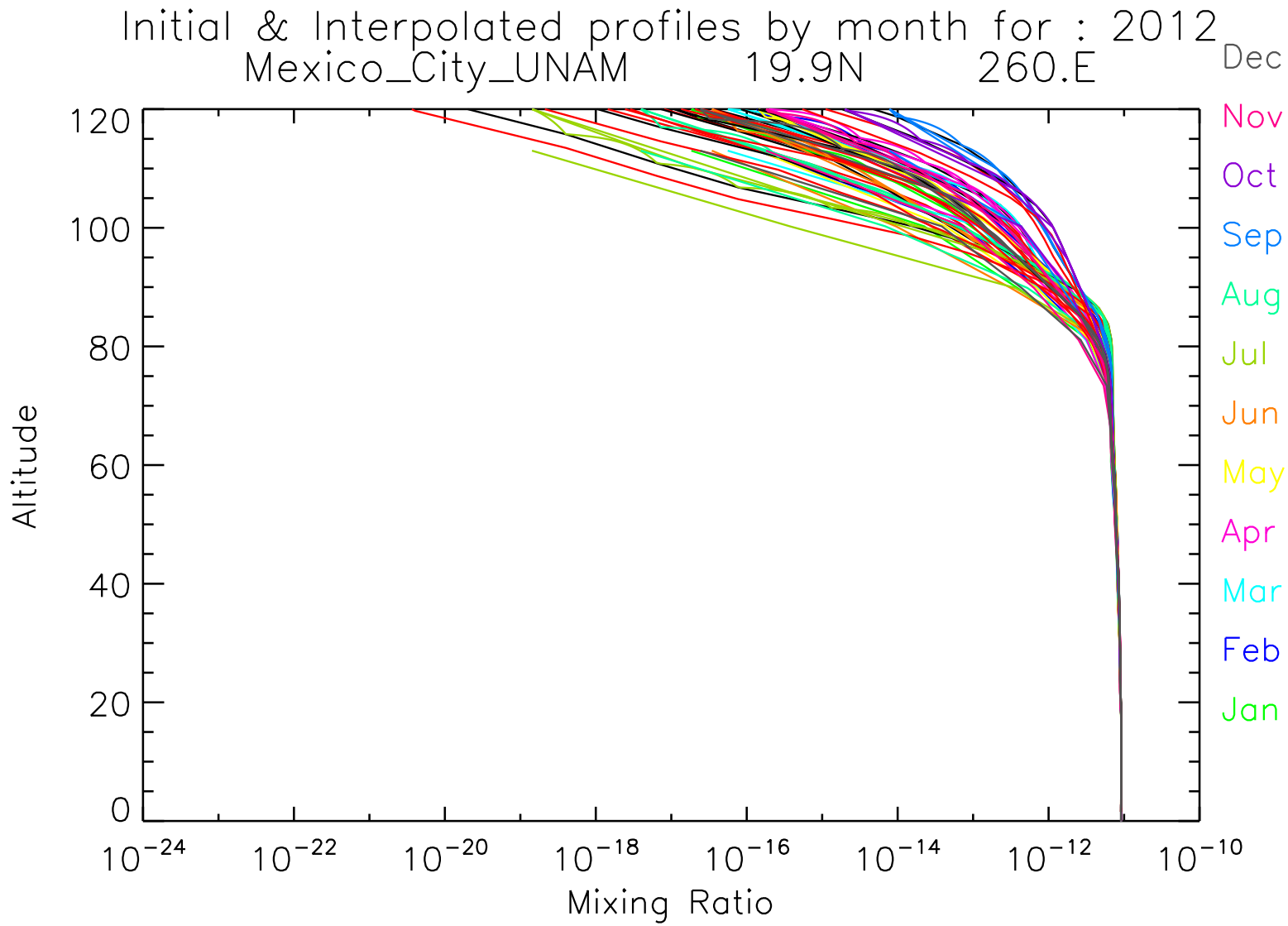
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
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Apr
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Feb
Jan
Altitude
120
100
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40
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0
10^{-24}
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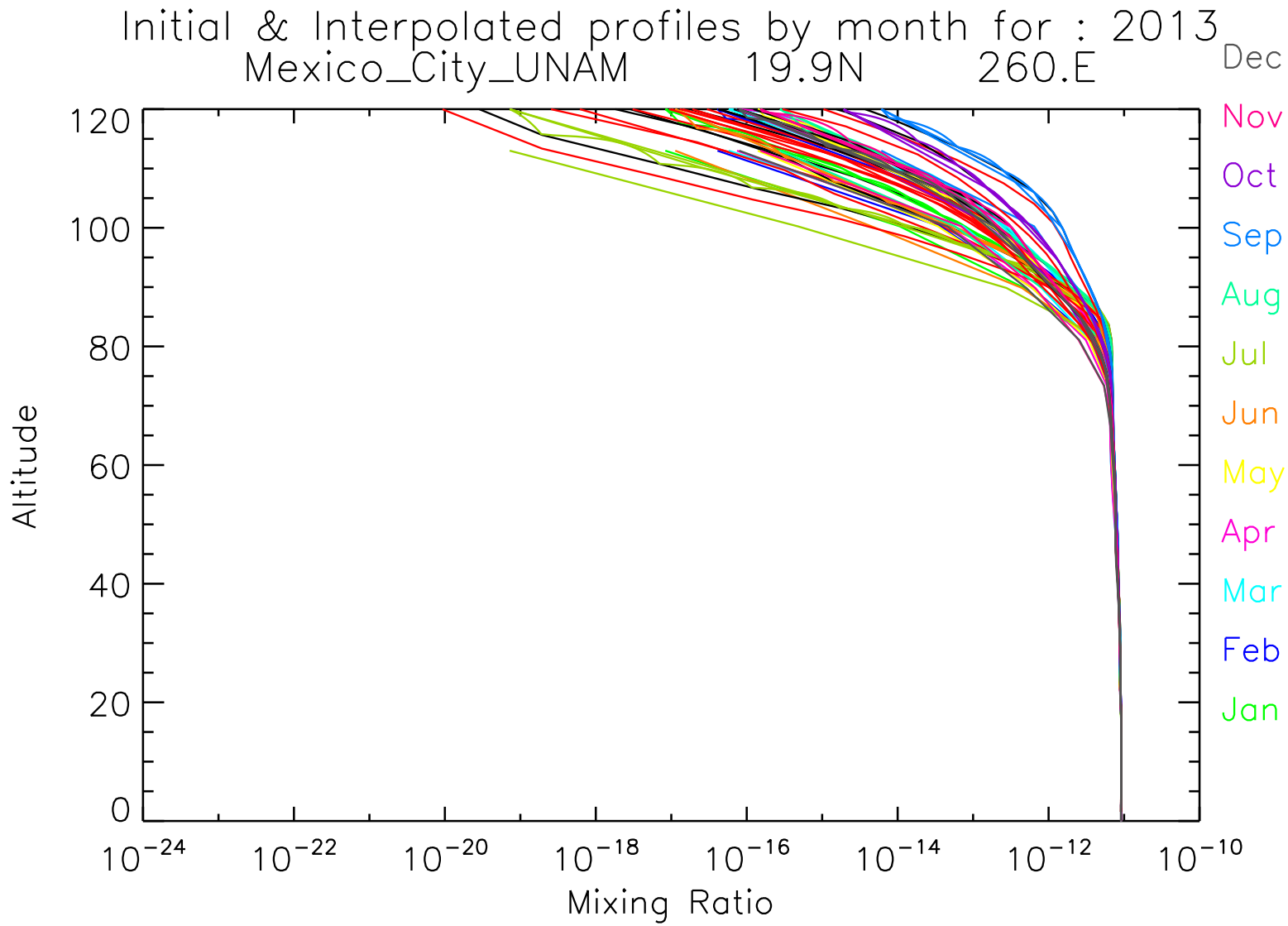
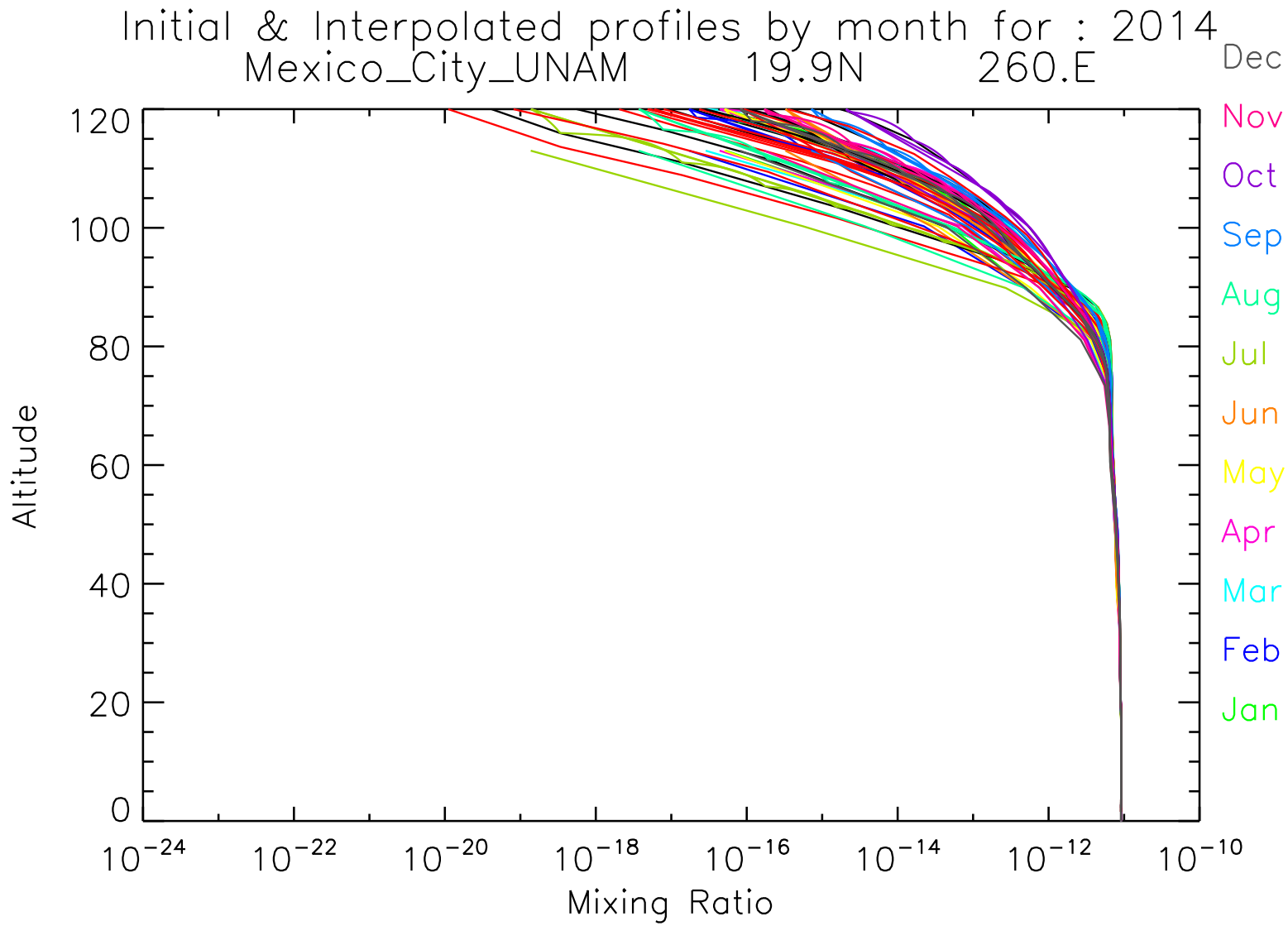
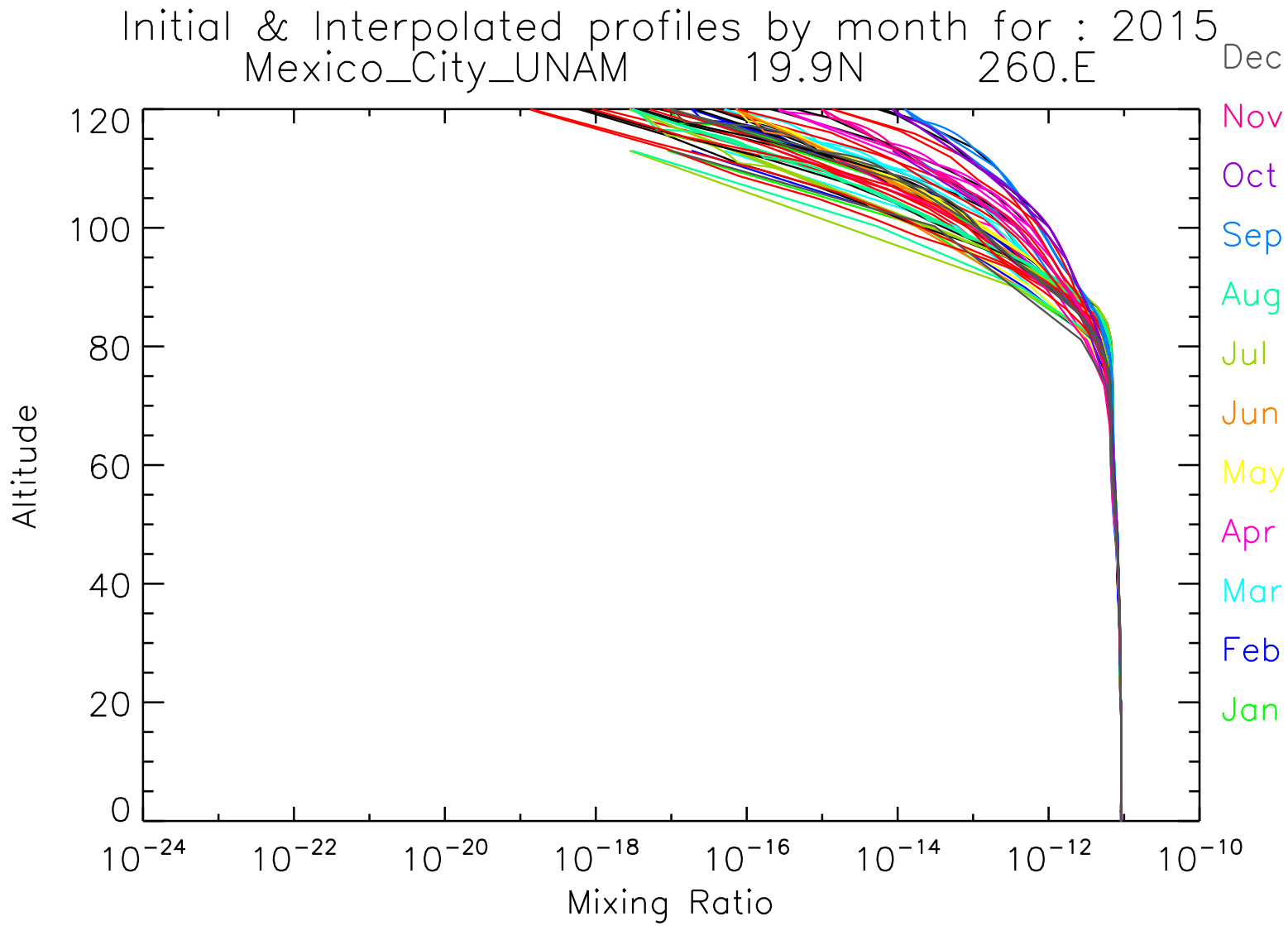
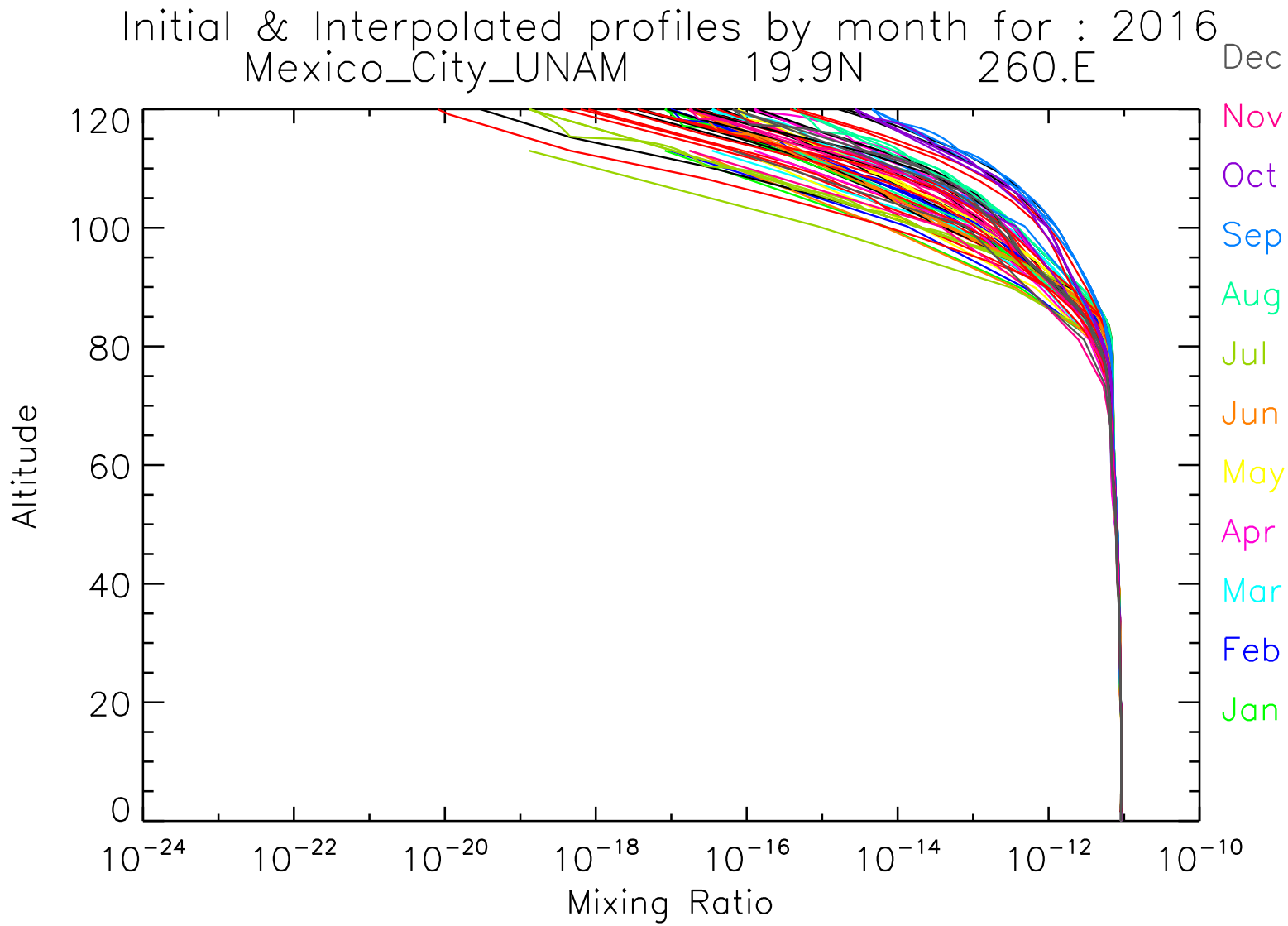
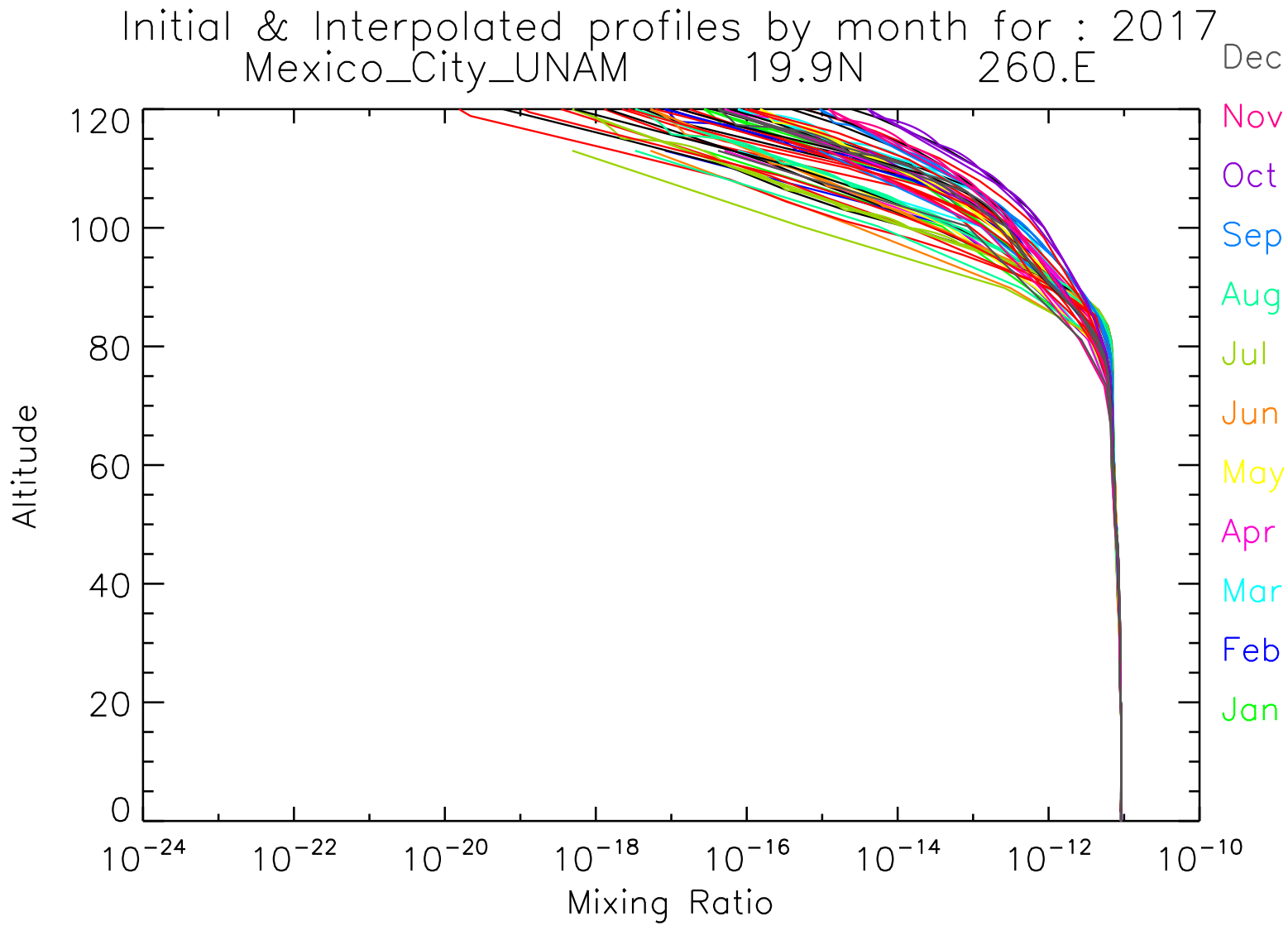
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

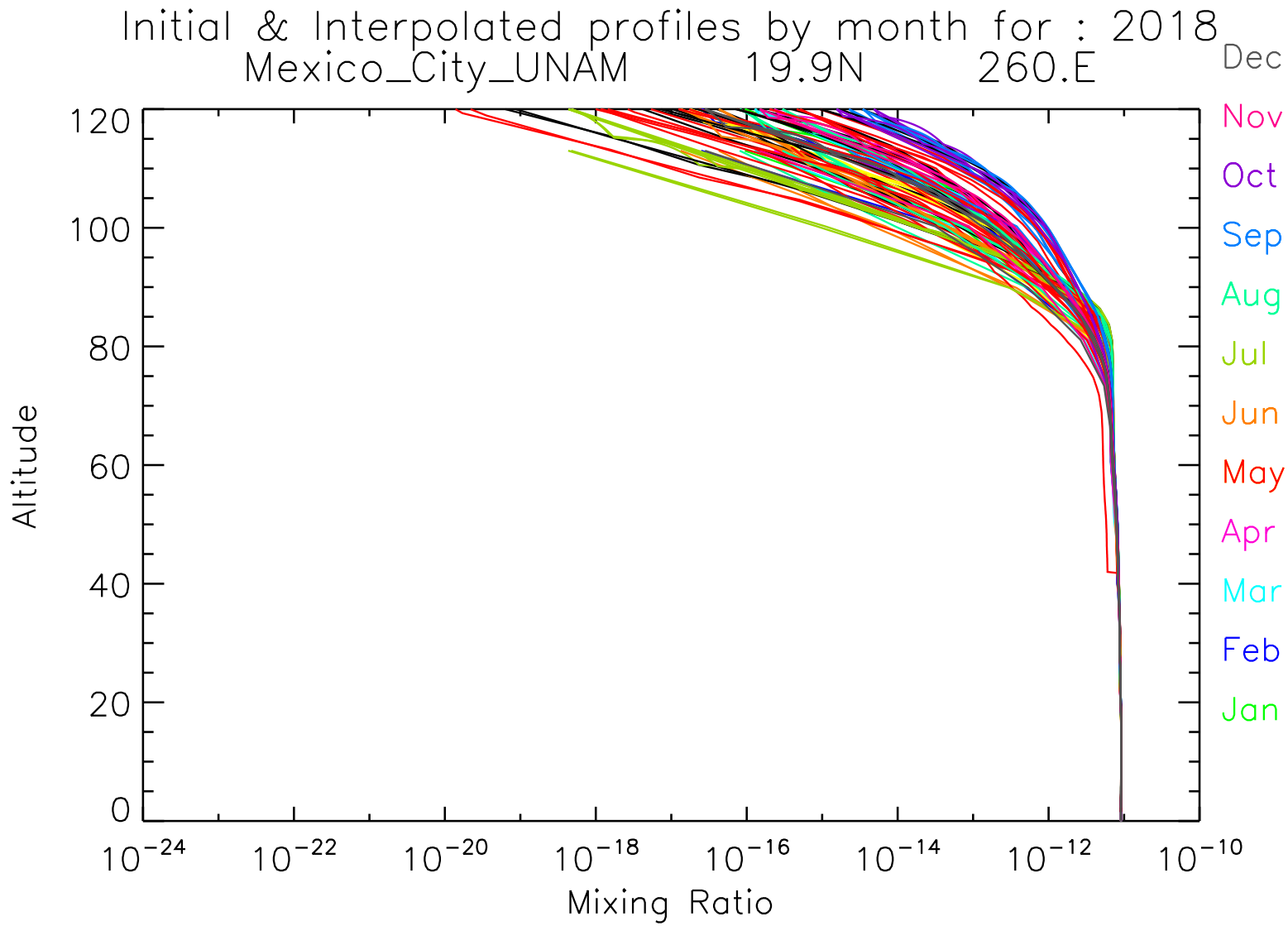

Initial & Interpolated profiles by month for : 2013
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

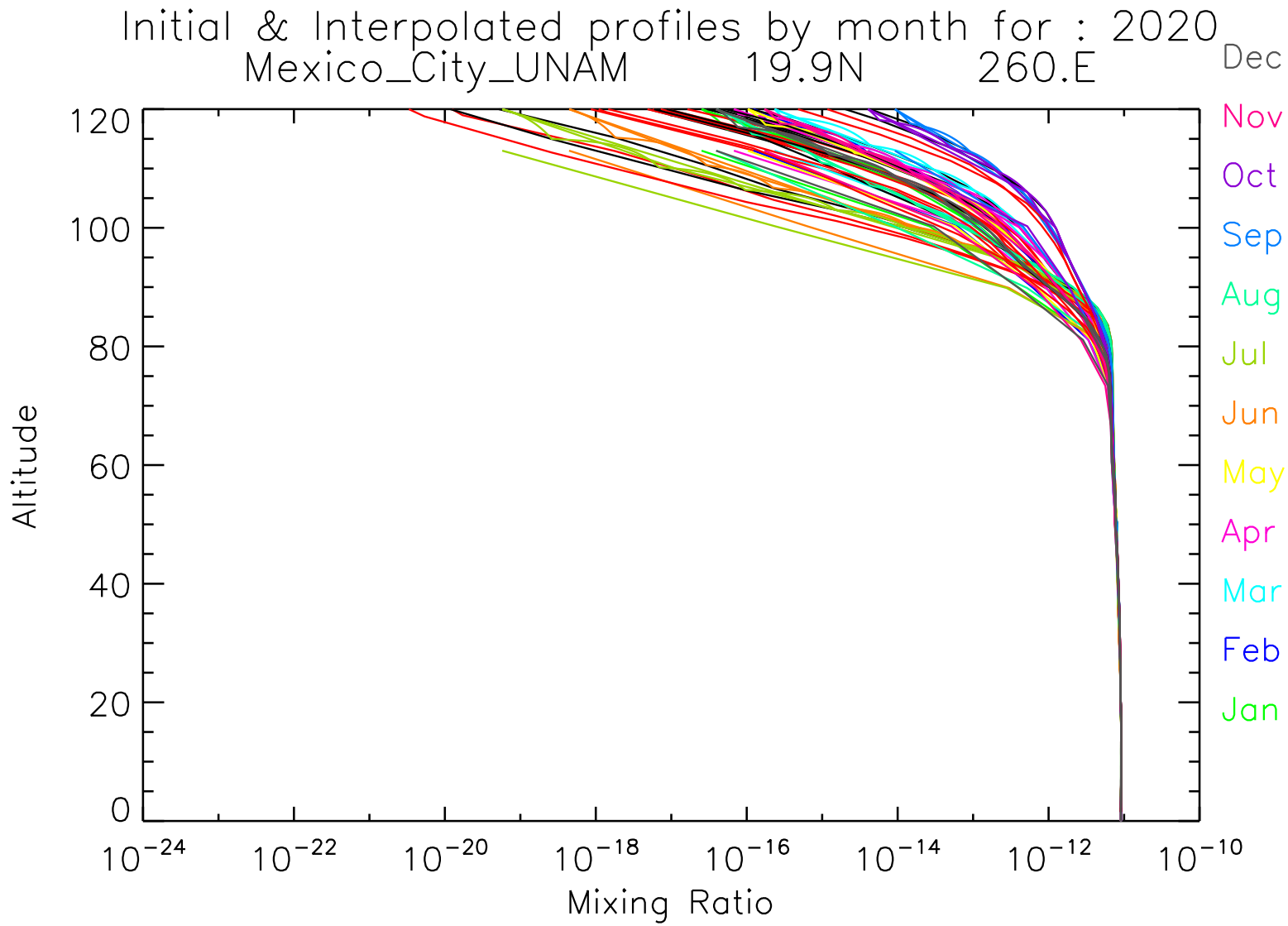

Initial & Interpolated profiles by month for : 2014
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

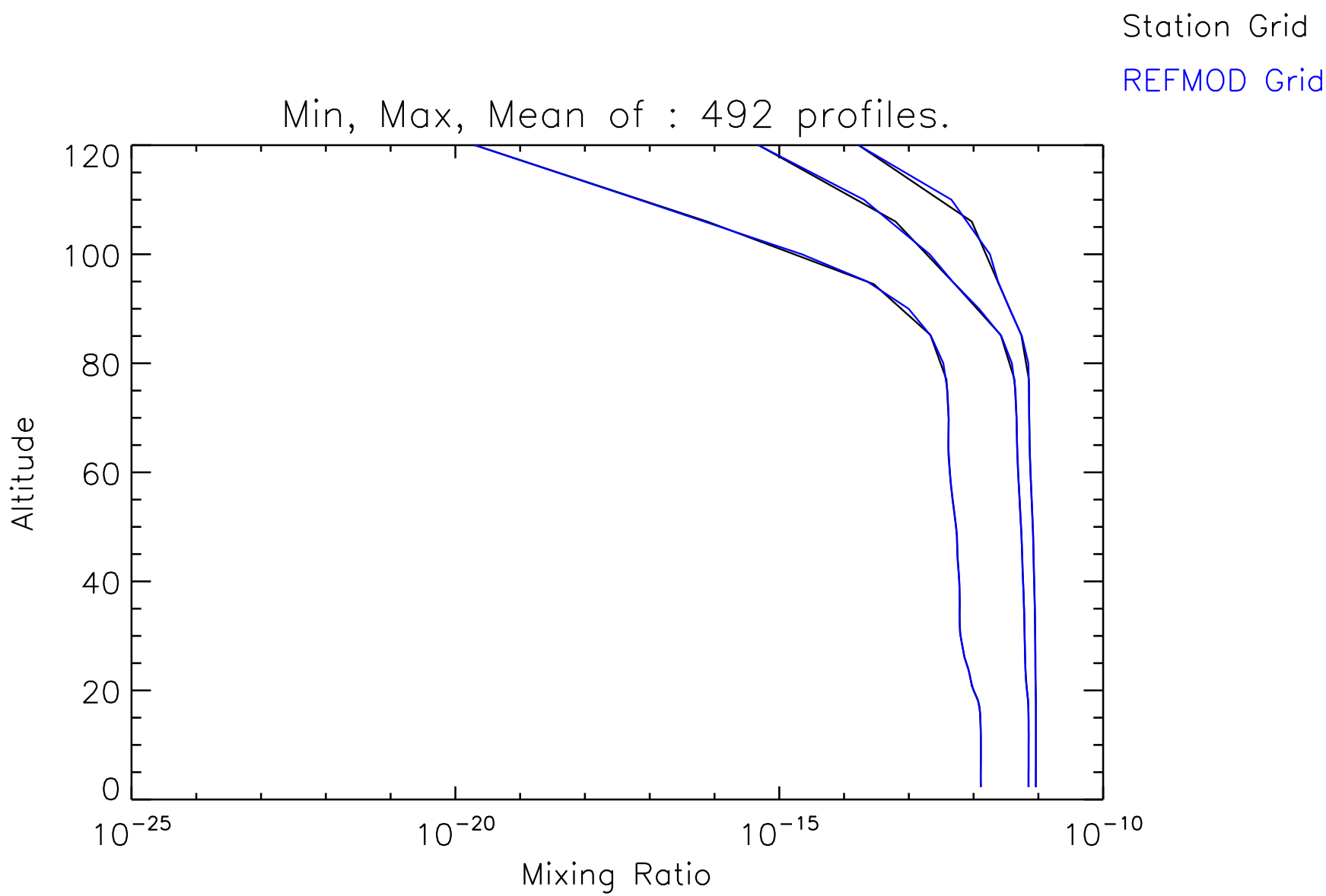

Initial & Interpolated profiles by month for : 2015
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

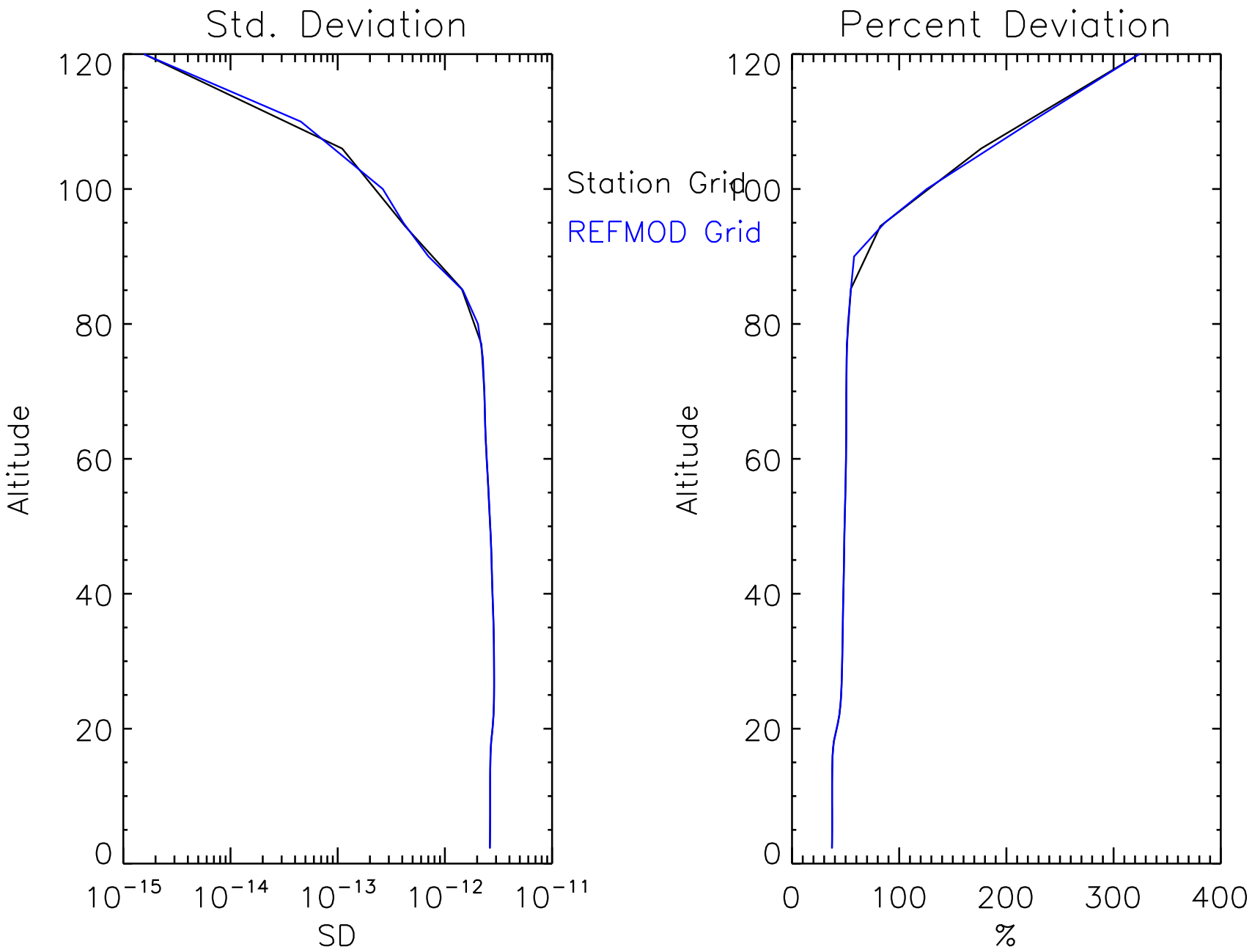

Initial & Interpolated profiles by month for : 2016
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

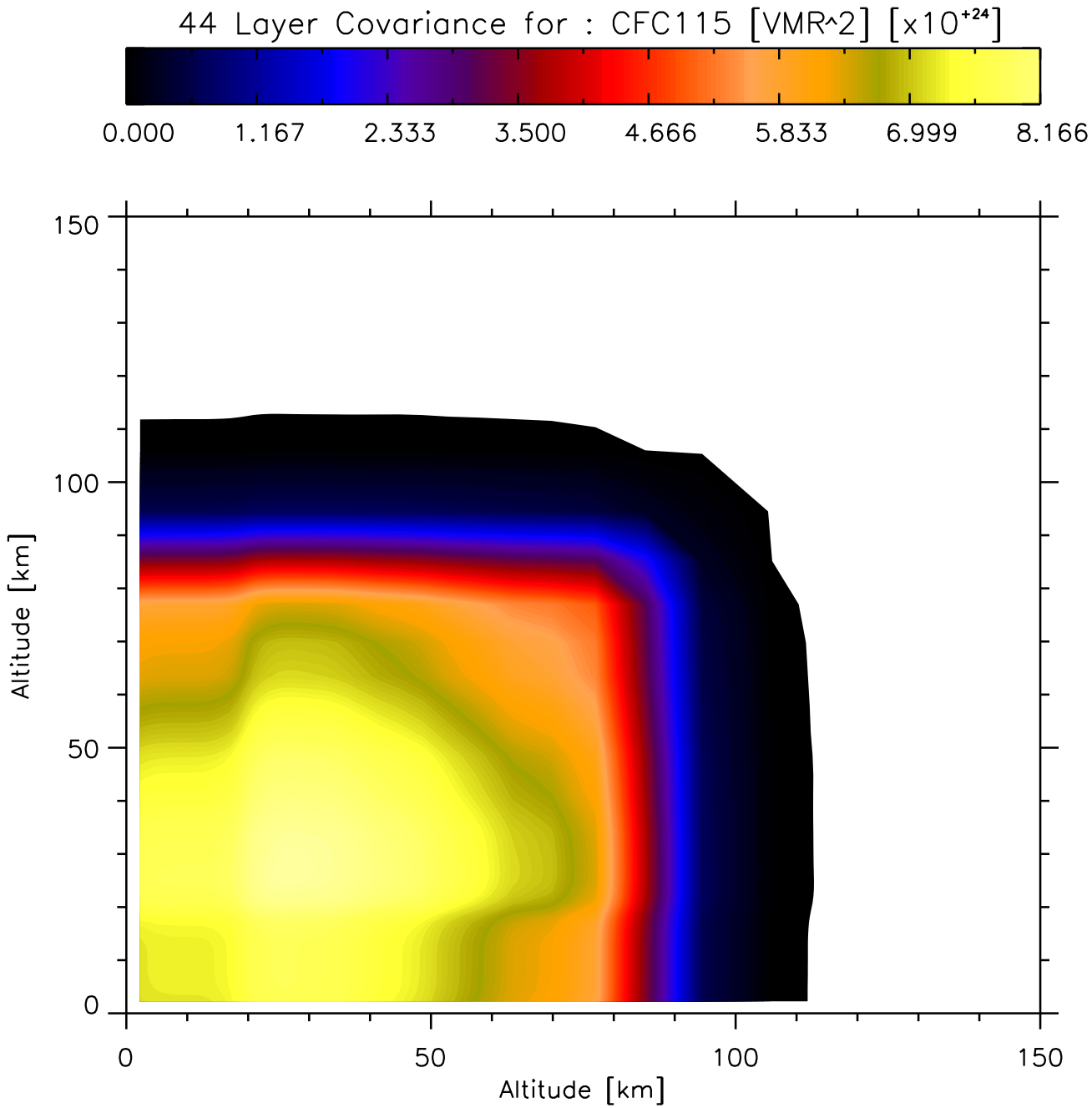

Initial & Interpolated profiles by month for : 2017
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2018
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio

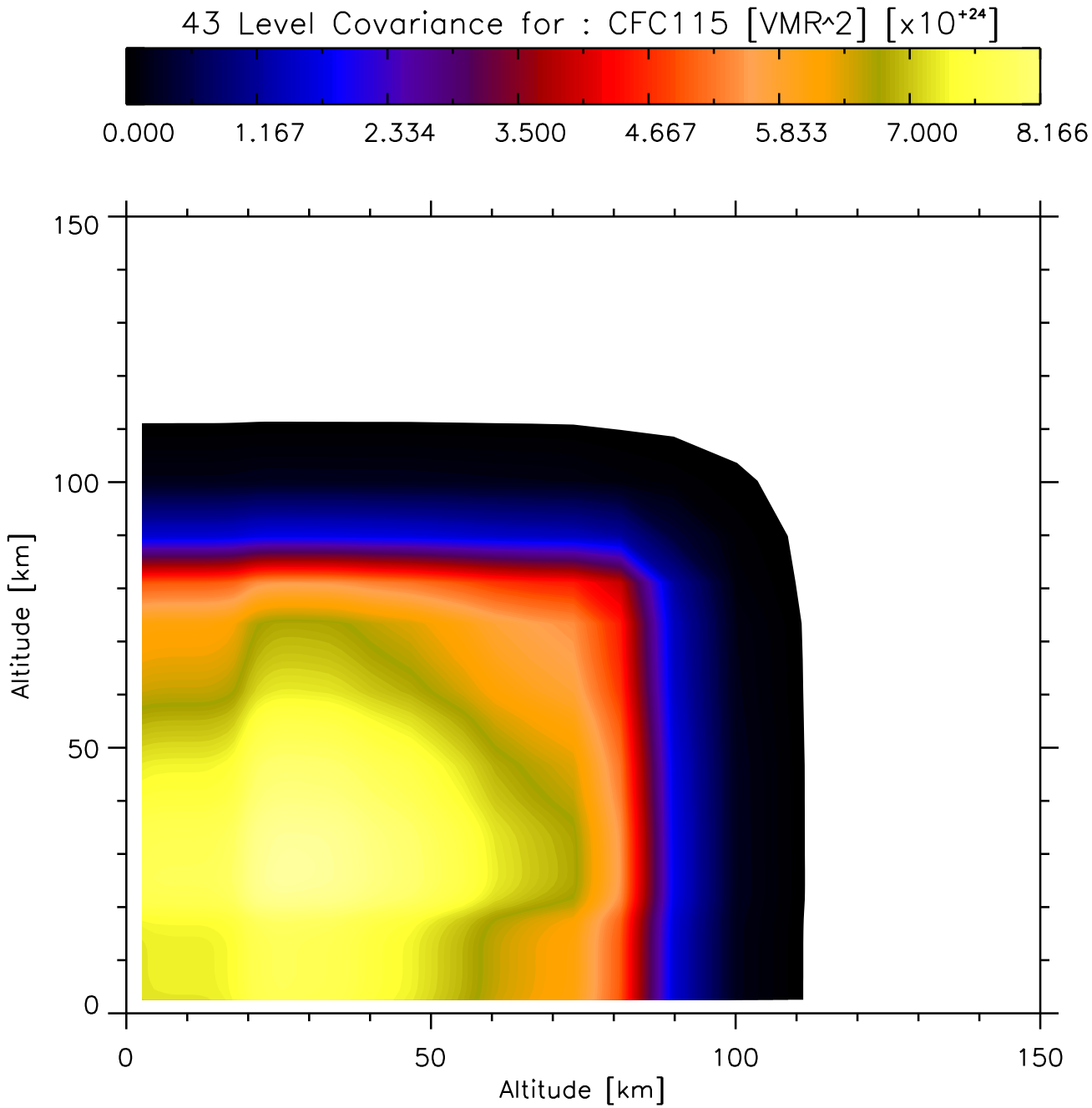
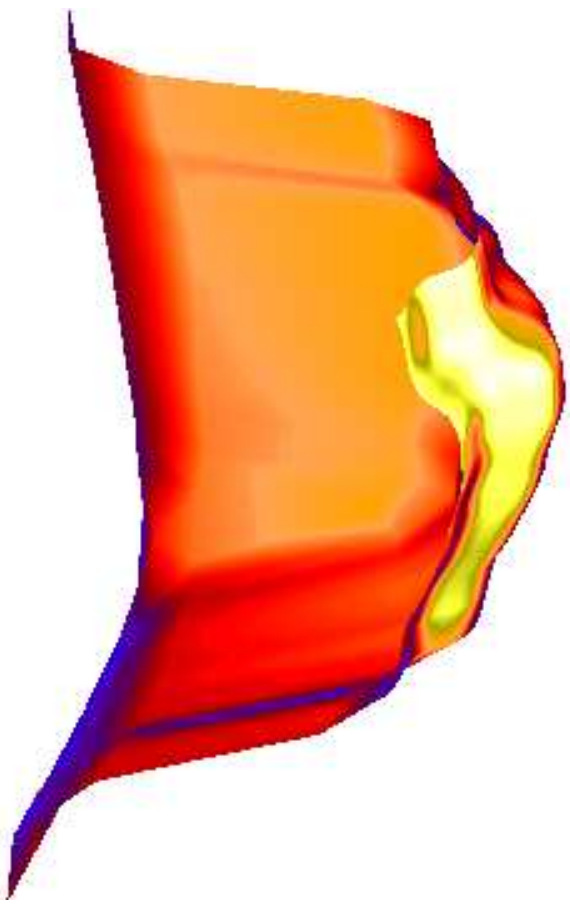

Initial & Interpolated profiles by month for : 2020
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-24}
10^{-22}
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-15}
10^{-14}
10^{-13}
10^{-12}
10^{-11}
SD
0
100
200
300
400
%


44 Layer Covariance for : CFC115 [VMR^2] [x10^+24]
0.000
1.167
2.333
3.500
4.666
5.833
6.999
8.166
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

44 Layer Covariance for : CFC115 [VMR^2] [x10^+24]
150
2
4
6
8
10
Y Altitude
100
50
0
0
50
X Altitude
100
150


43 Level Covariance for : CFC115 [VMR^2] [x10^+24]
0.000
1.167
2.334
3.500
4.667
5.833
7.000
8.166
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]