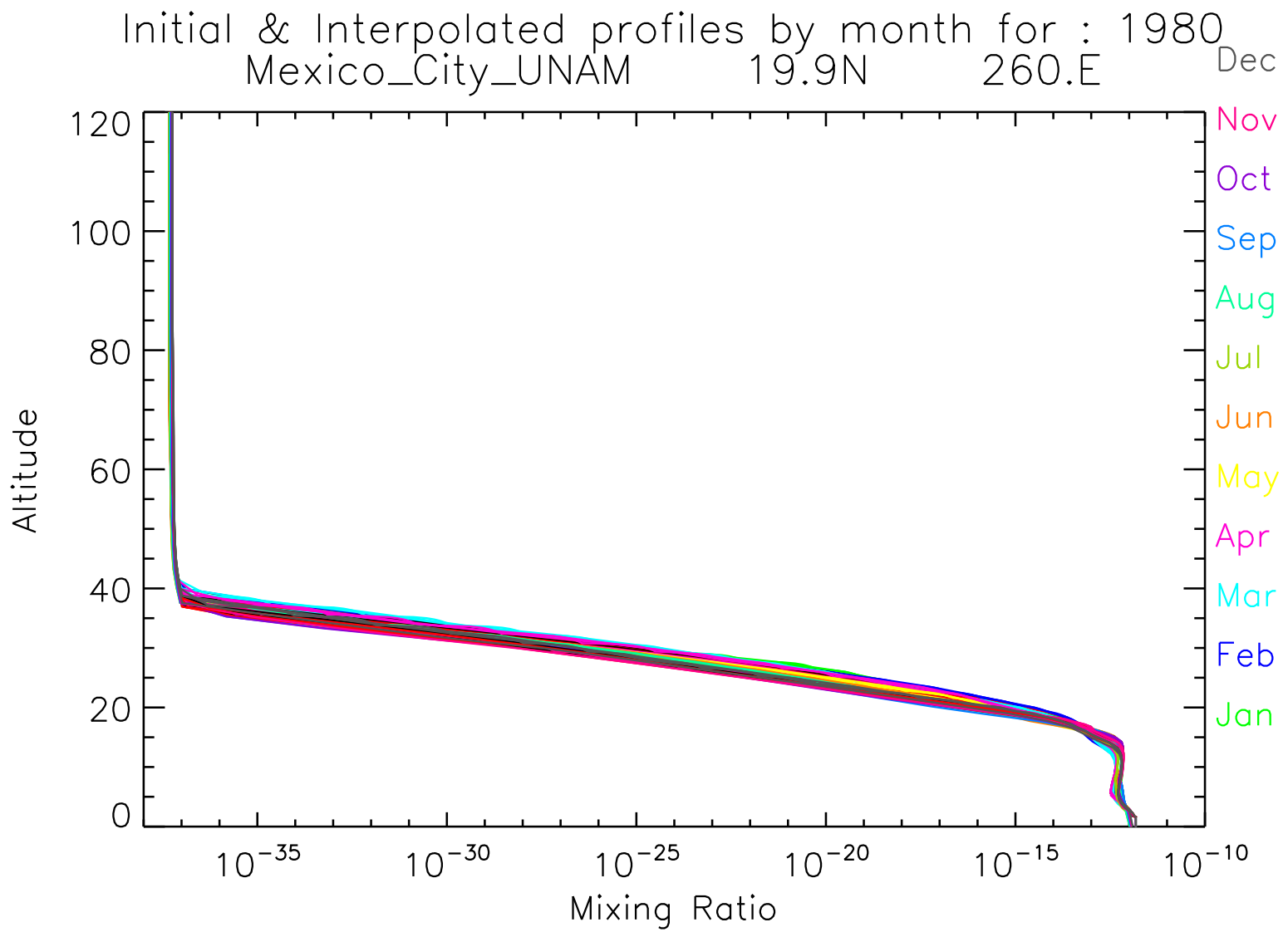
Initial & Interpolated profiles by month for : 1980
Mexico_City_UNAM 19.9N 260.E
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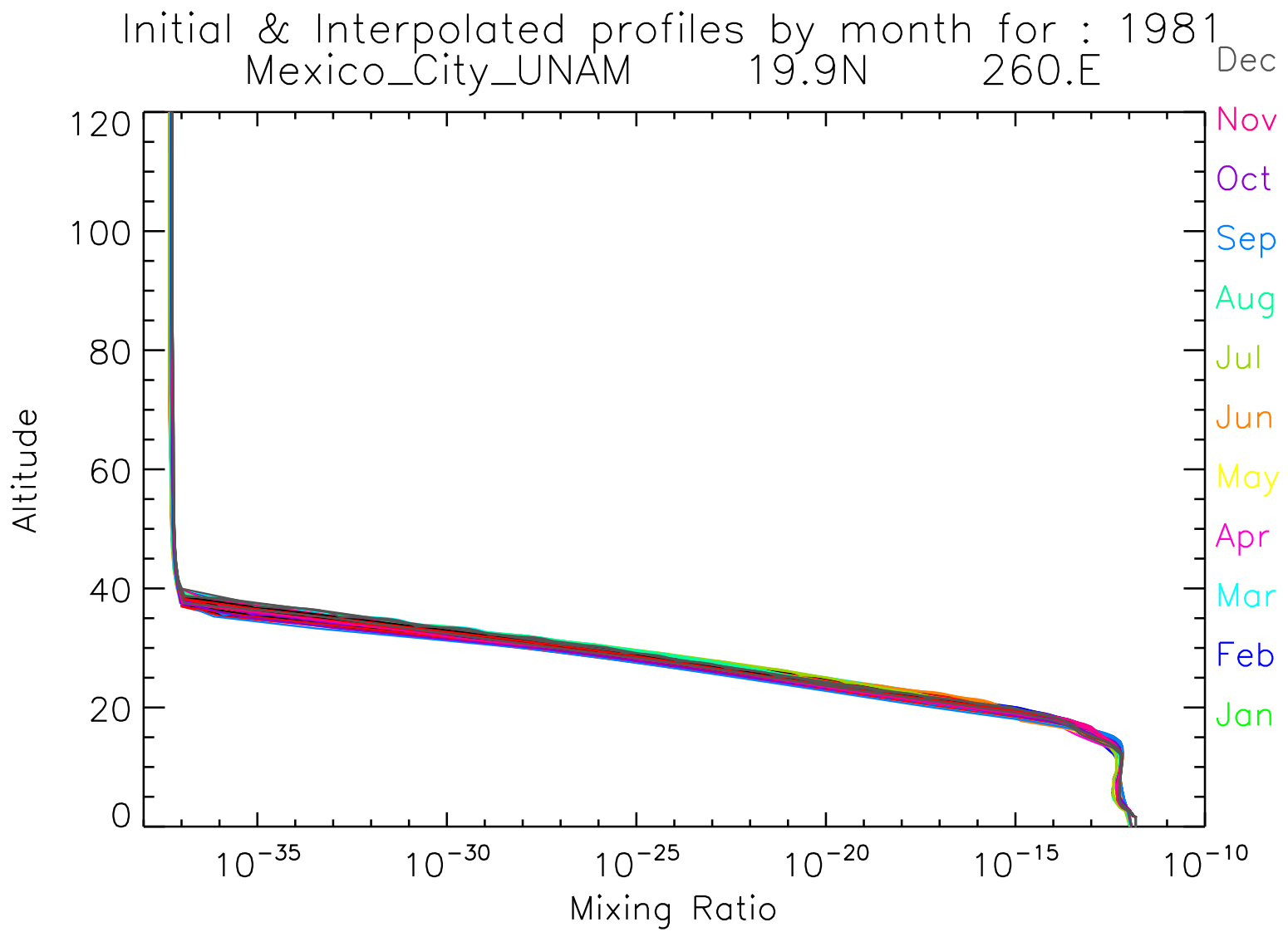
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Mexico_City_UNAM 19.9N 260.E
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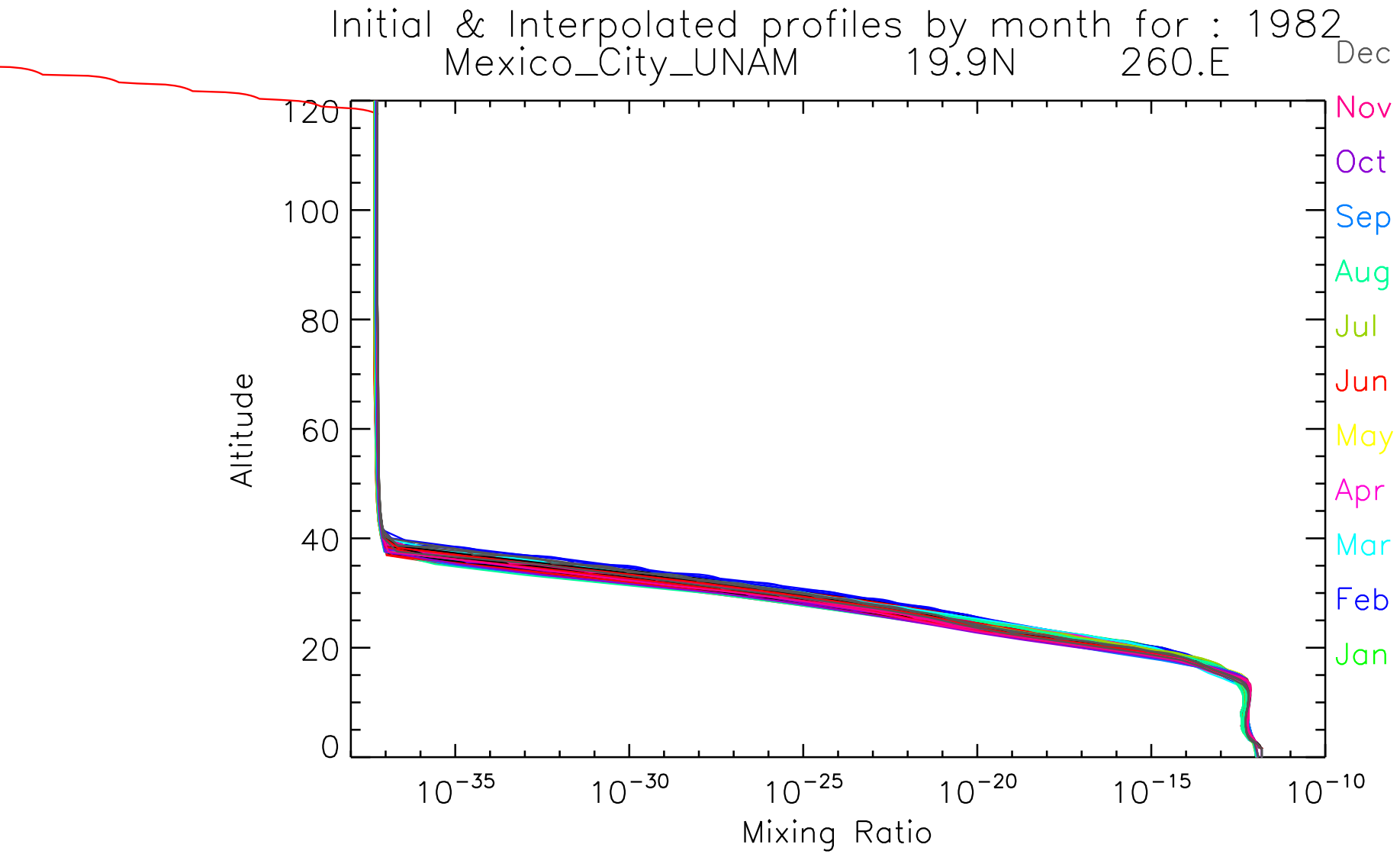
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Mexico_City_UNAM 19.9N 260.E
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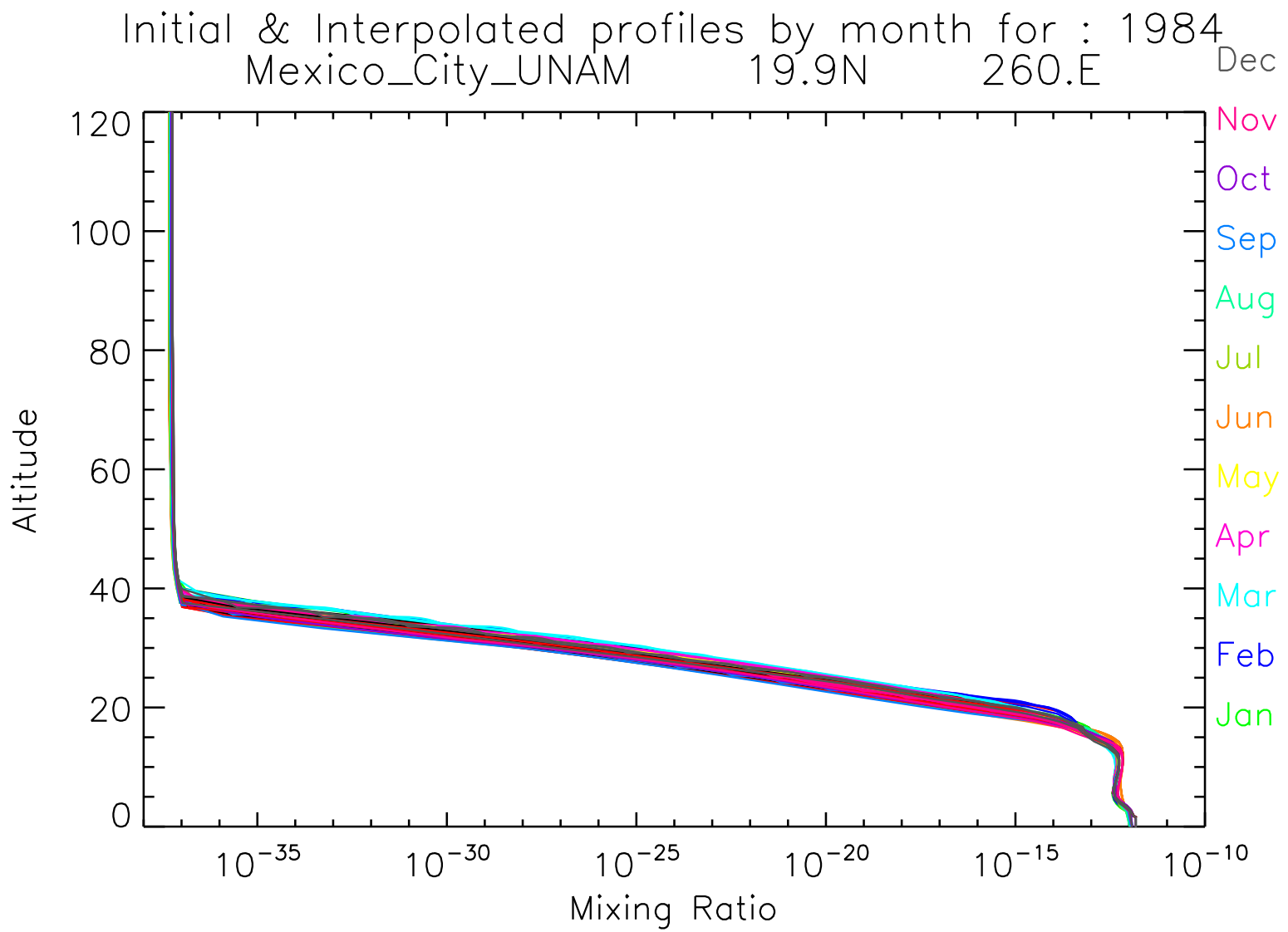
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Mexico_City_UNAM 19.9N 260.E
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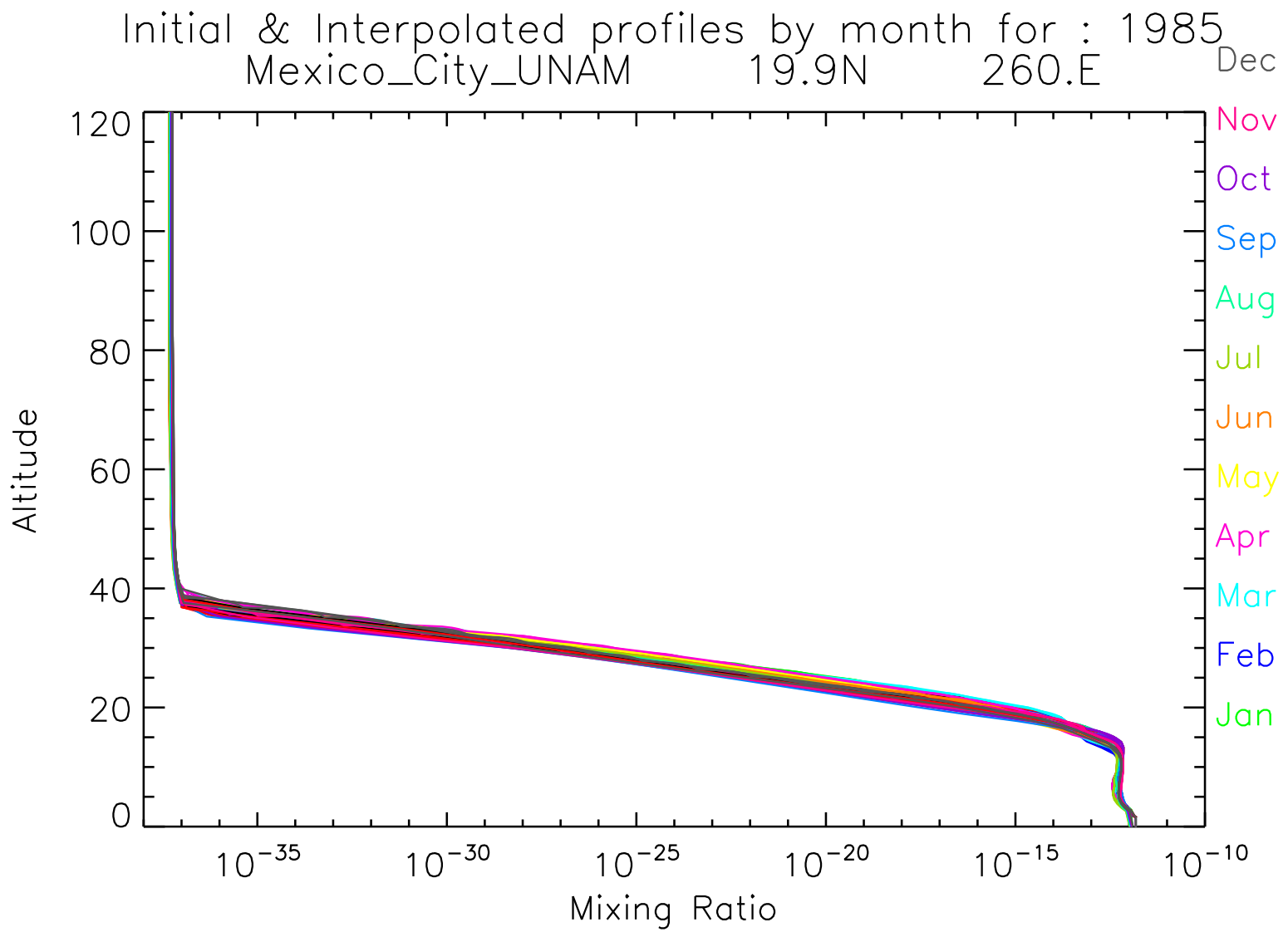
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Mexico_City_UNAM 19.9N 260.E
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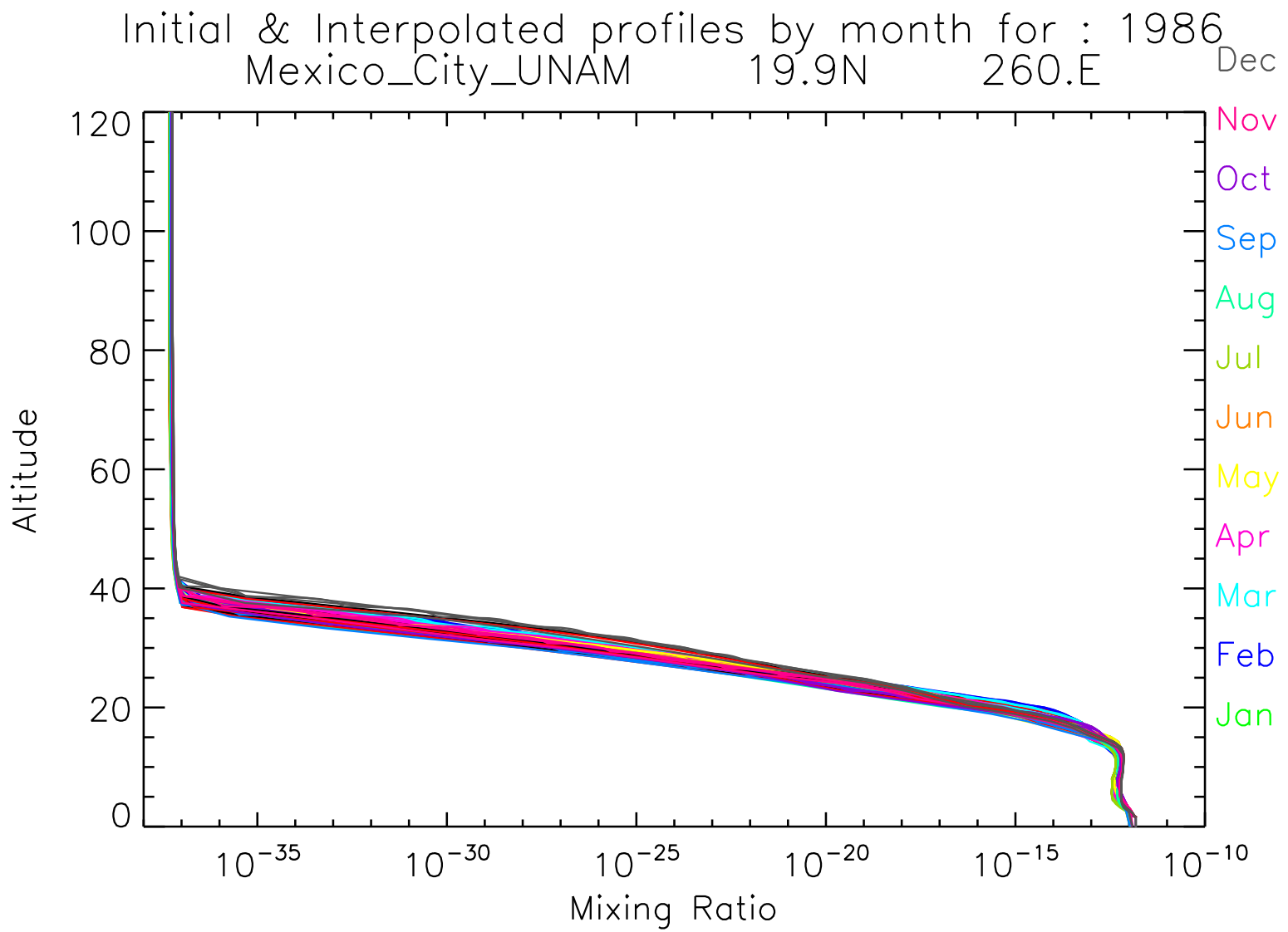
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Mexico_City_UNAM 19.9N 260.E
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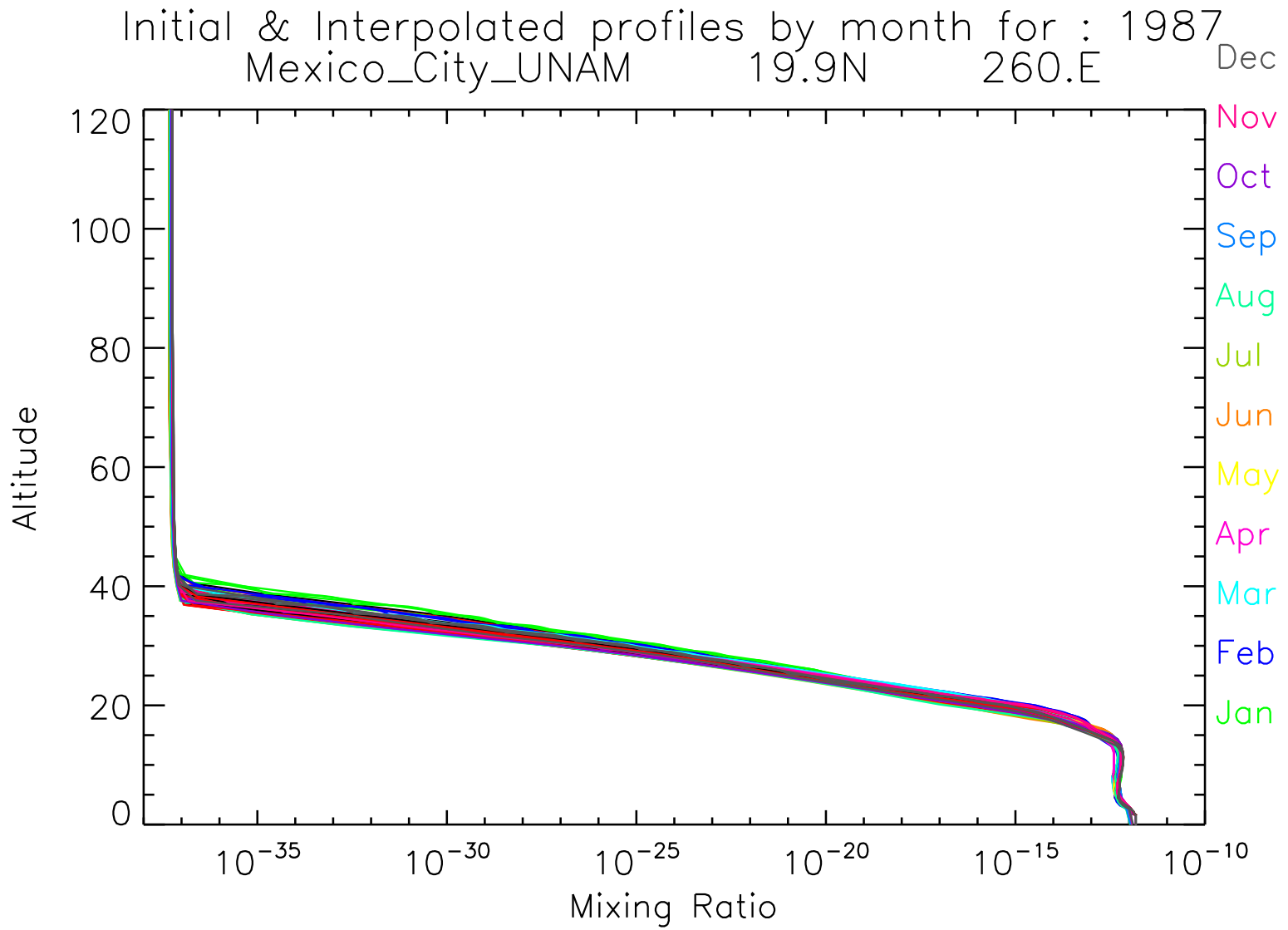
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Mexico_City_UNAM 19.9N 260.E
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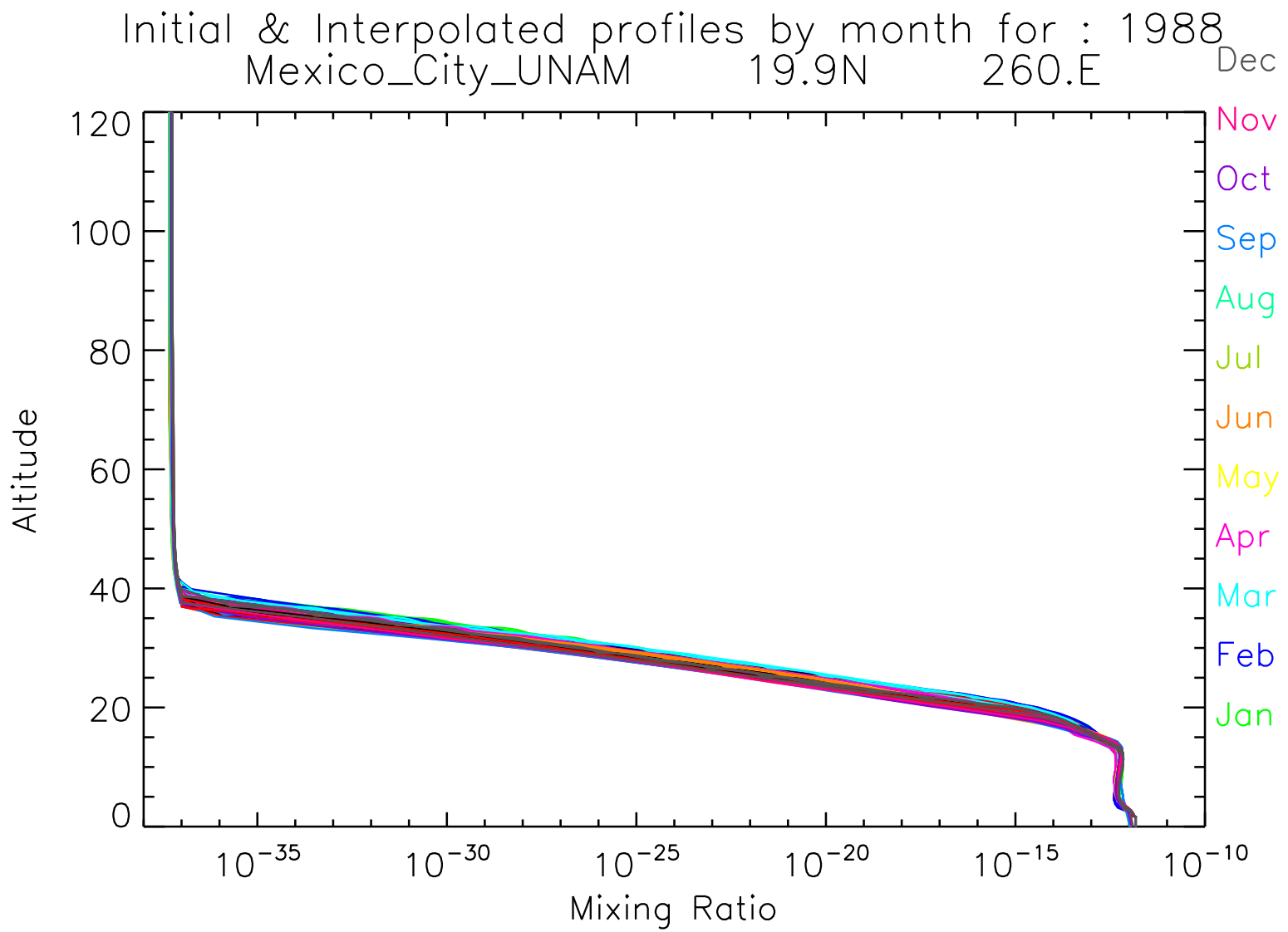
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Mexico_City_UNAM 19.9N 260.E
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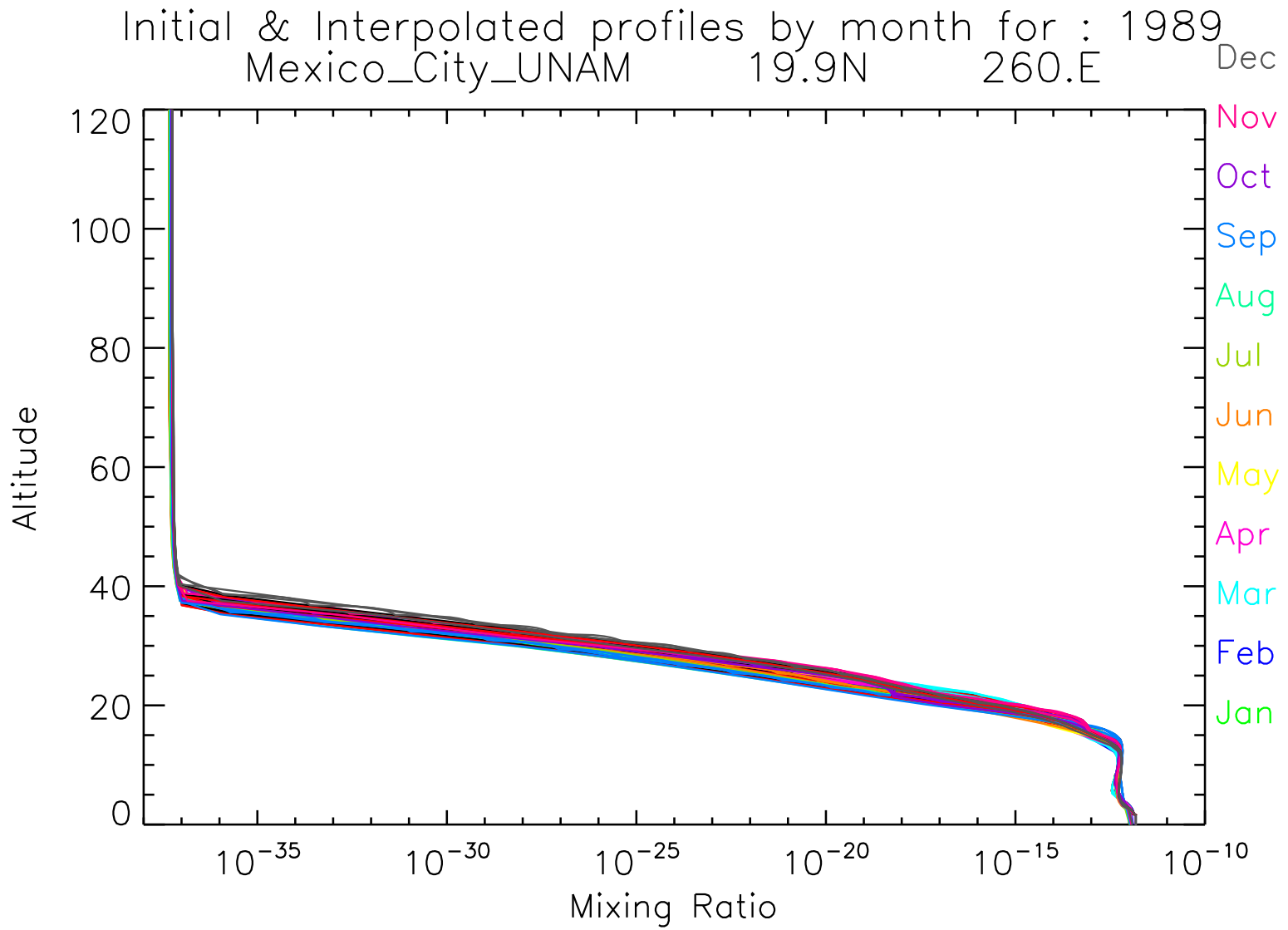
Mixing Ratio


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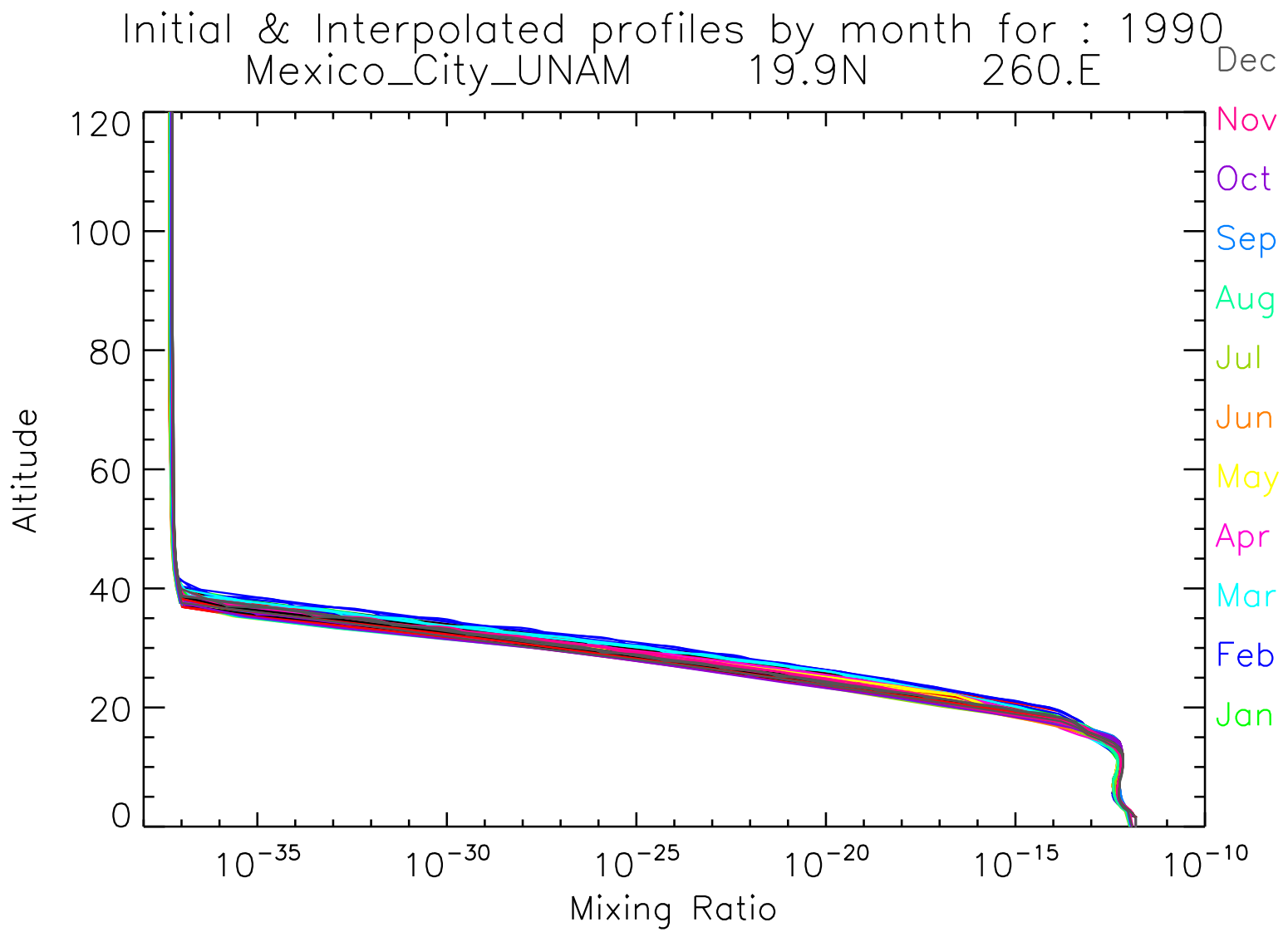
Mixing Ratio


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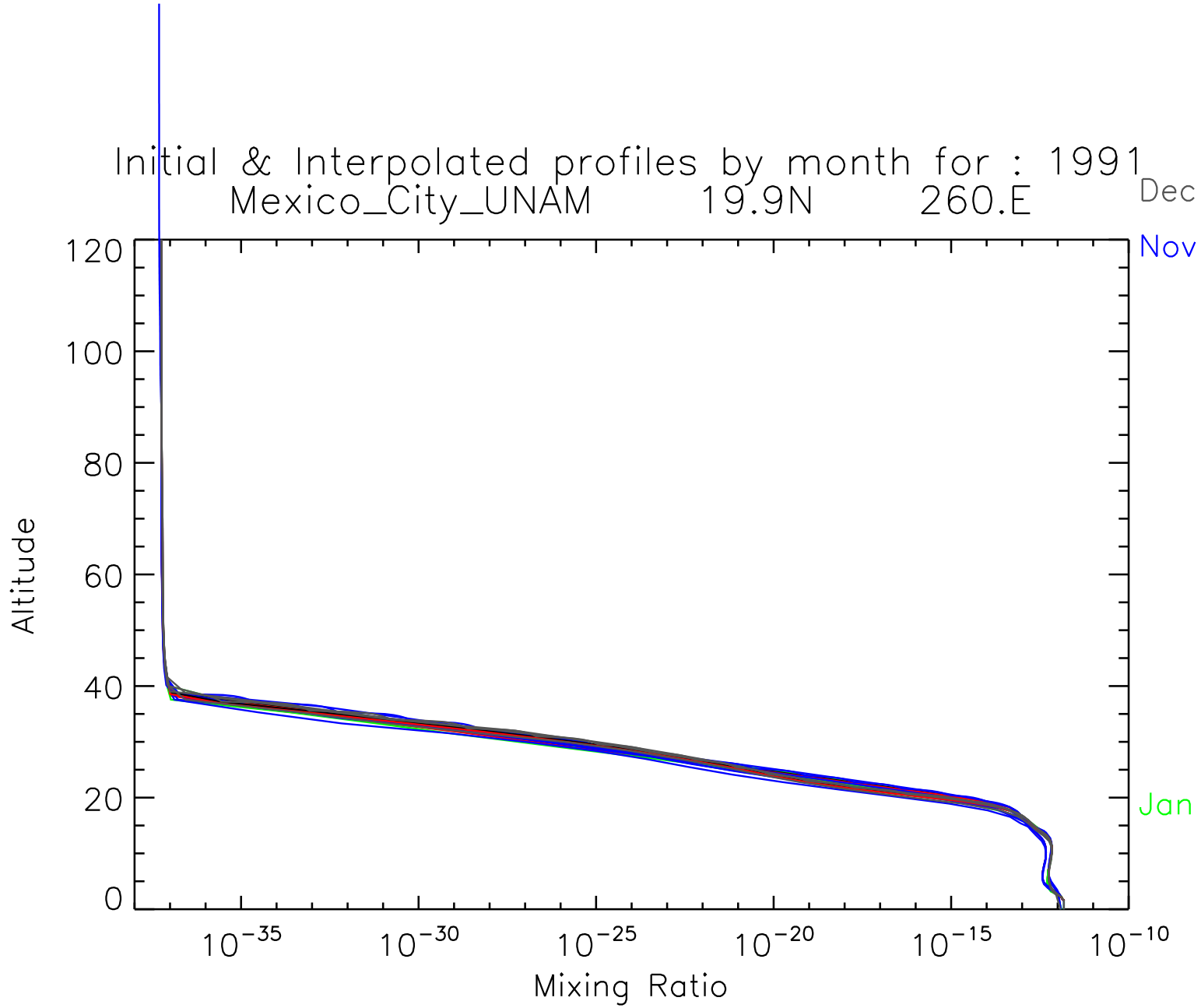
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Mexico_City_UNAM 19.9N 260.E
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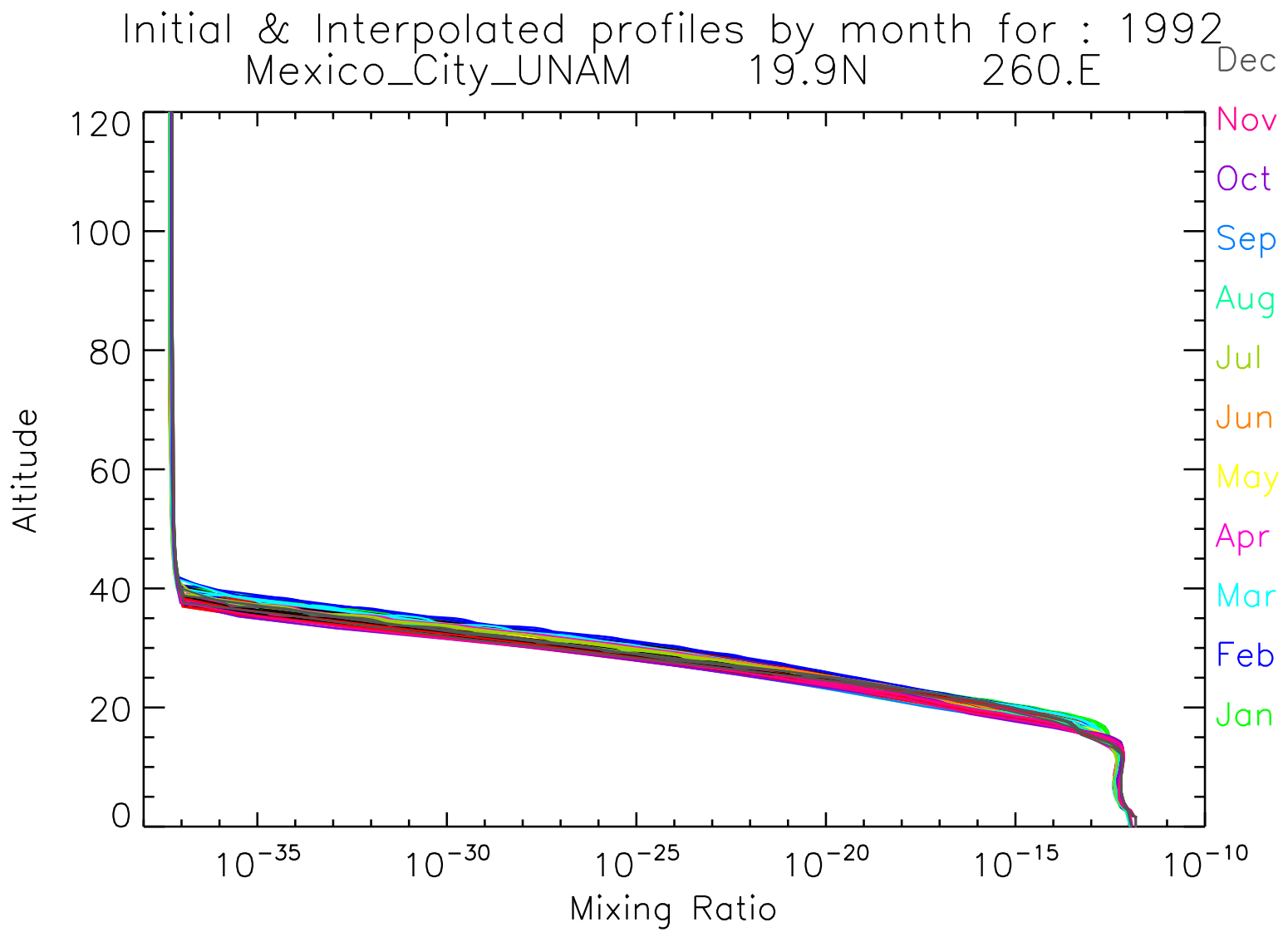
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Mexico_City_UNAM 19.9N 260.E
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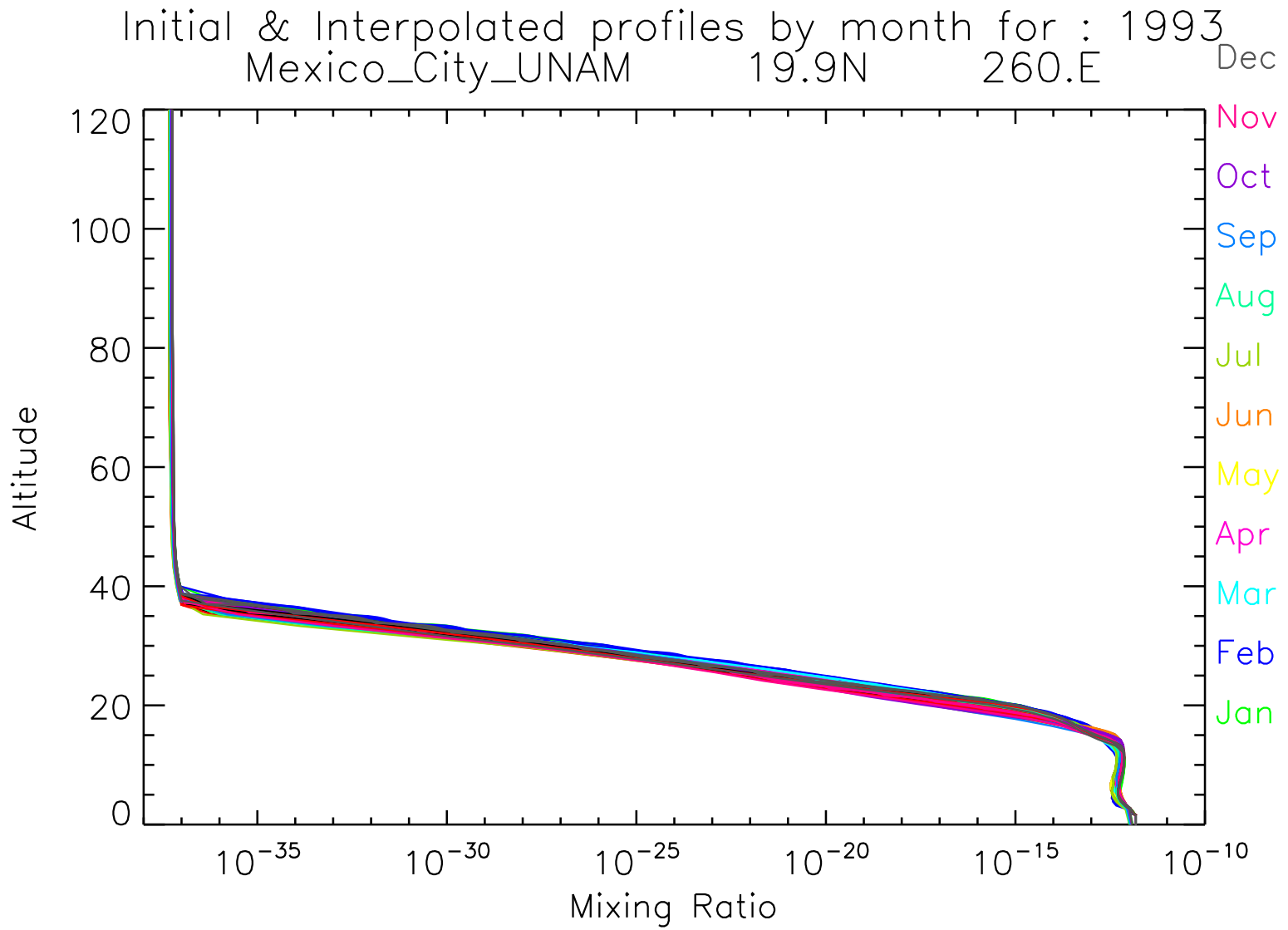
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Mexico_City_UNAM 19.9N 260.E
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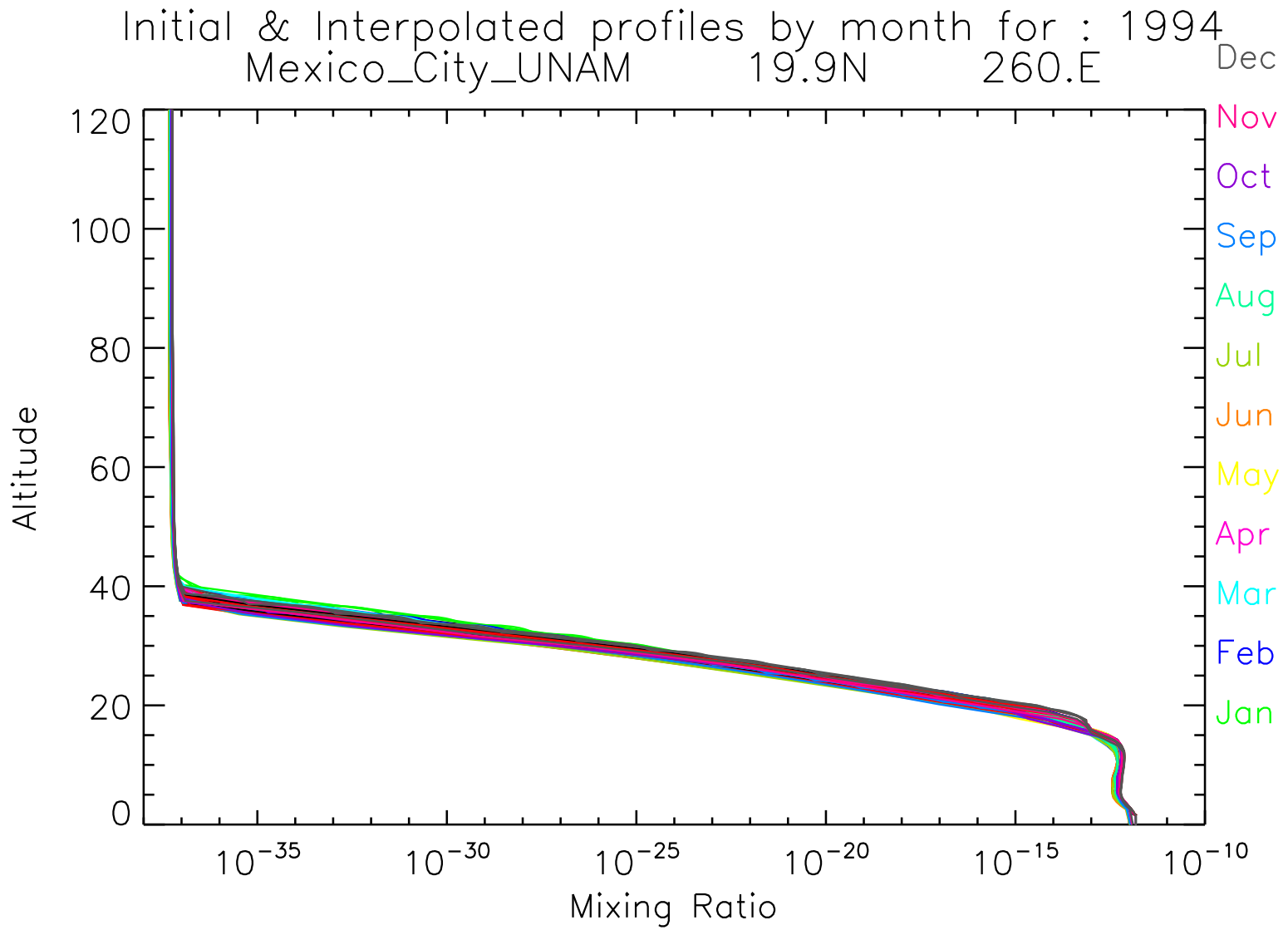
Initial & Interpolated profiles by month for : 1994
Mexico_City_UNAM 19.9N 260.E
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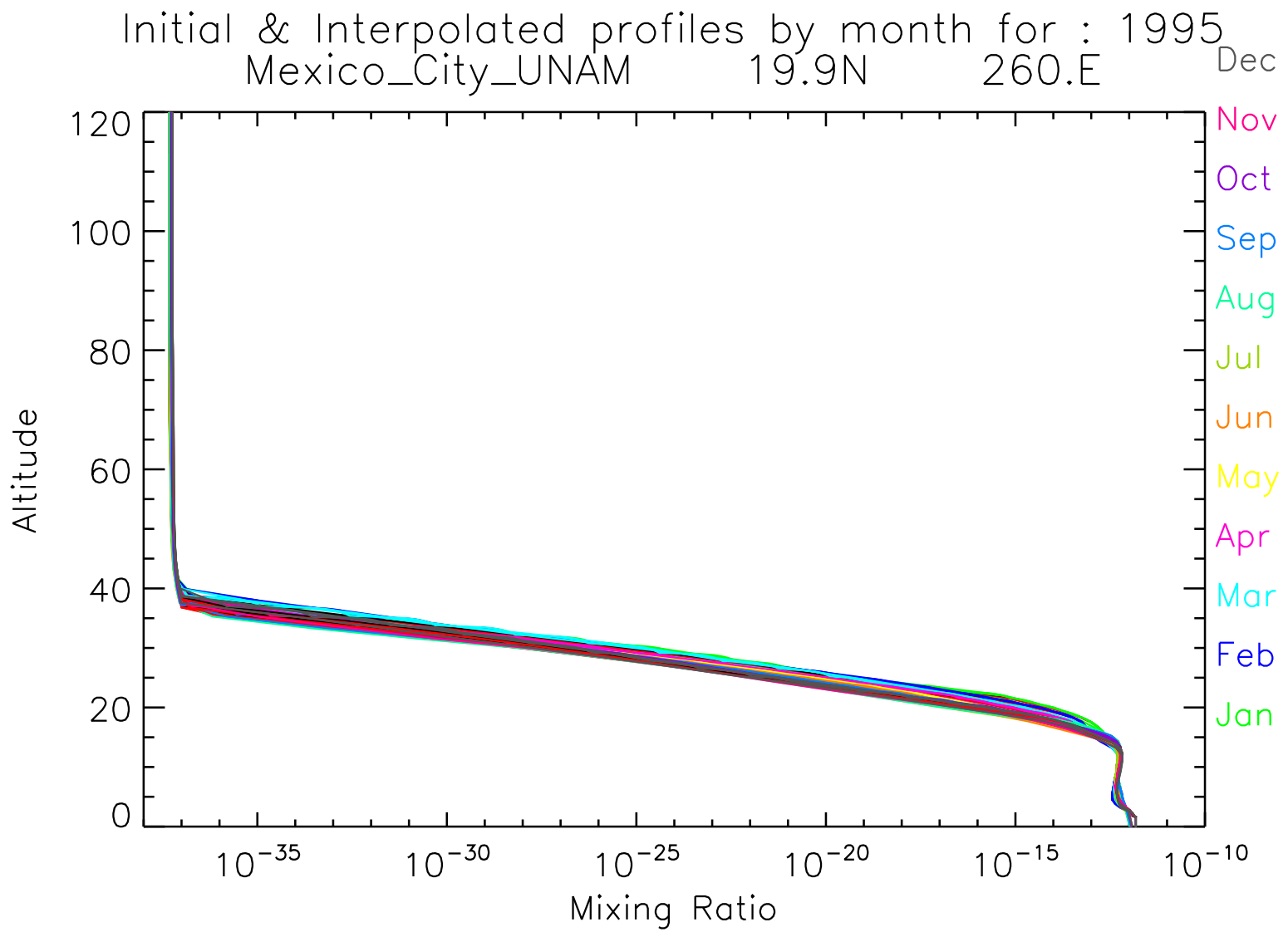
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Mexico_City_UNAM 19.9N 260.E
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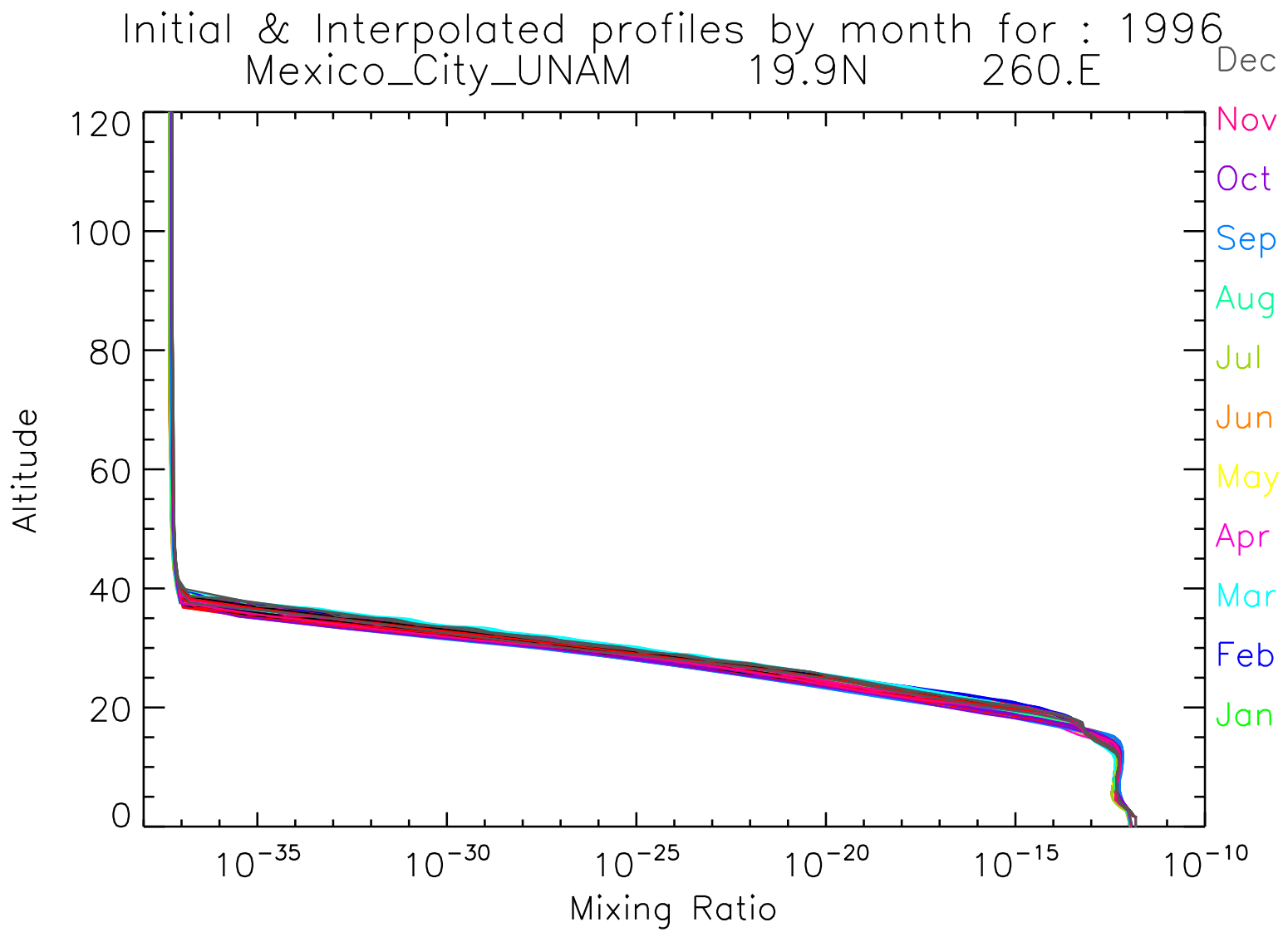
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Mexico_City_UNAM 19.9N 260.E
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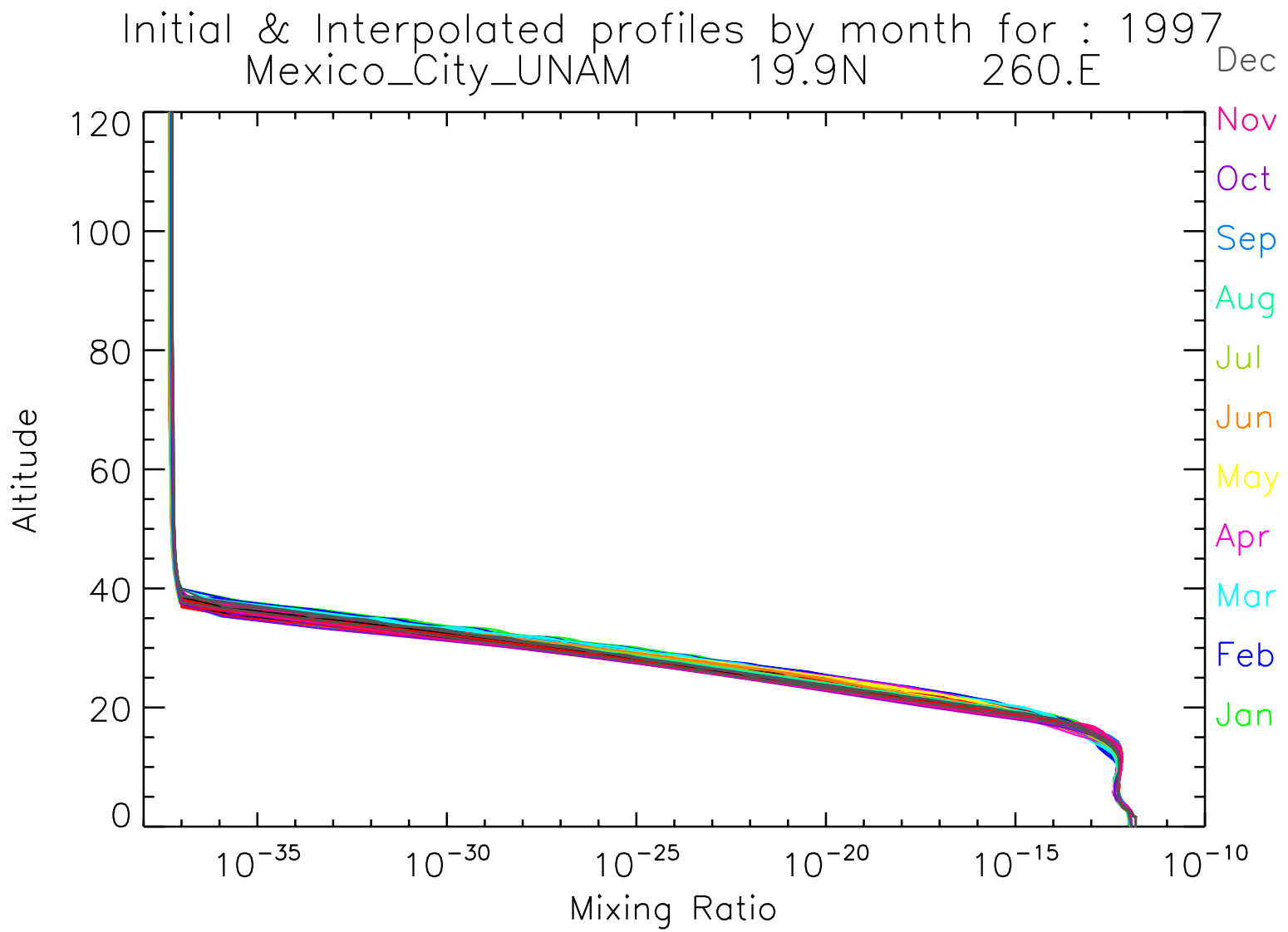
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Mexico_City_UNAM 19.9N 260.E
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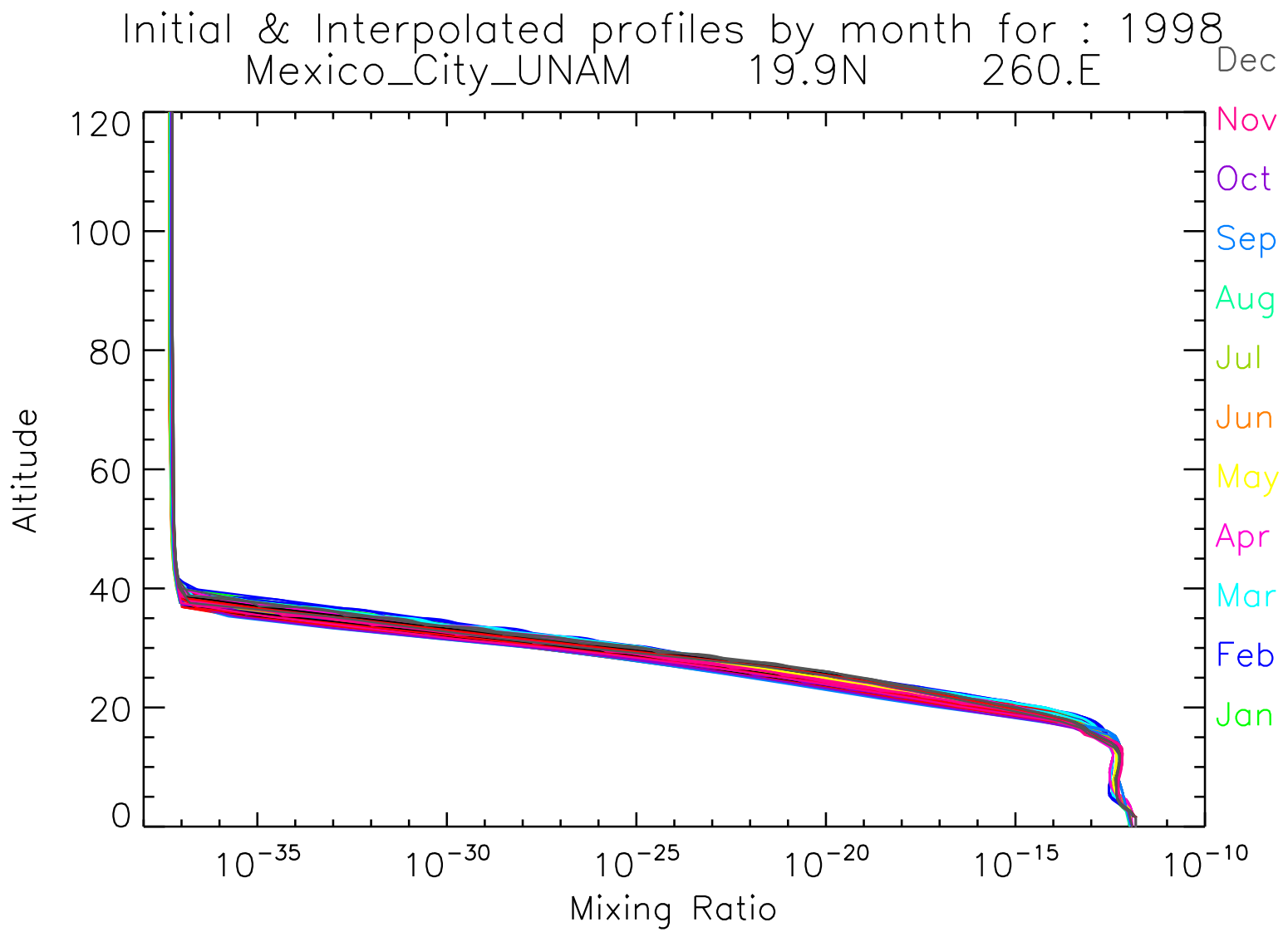
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Mexico_City_UNAM 19.9N 260.E
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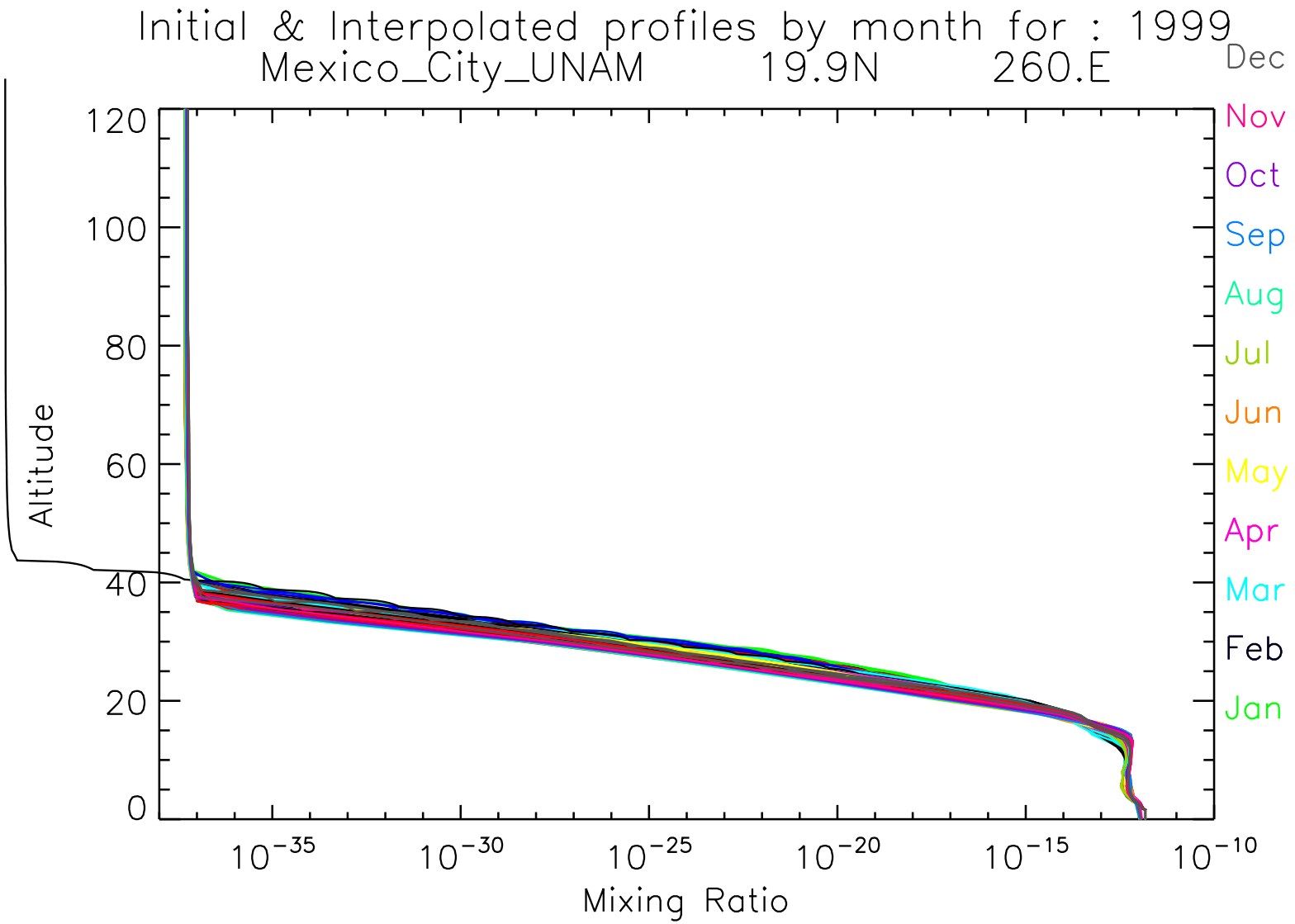
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Mexico_City_UNAM 19.9N 260.E
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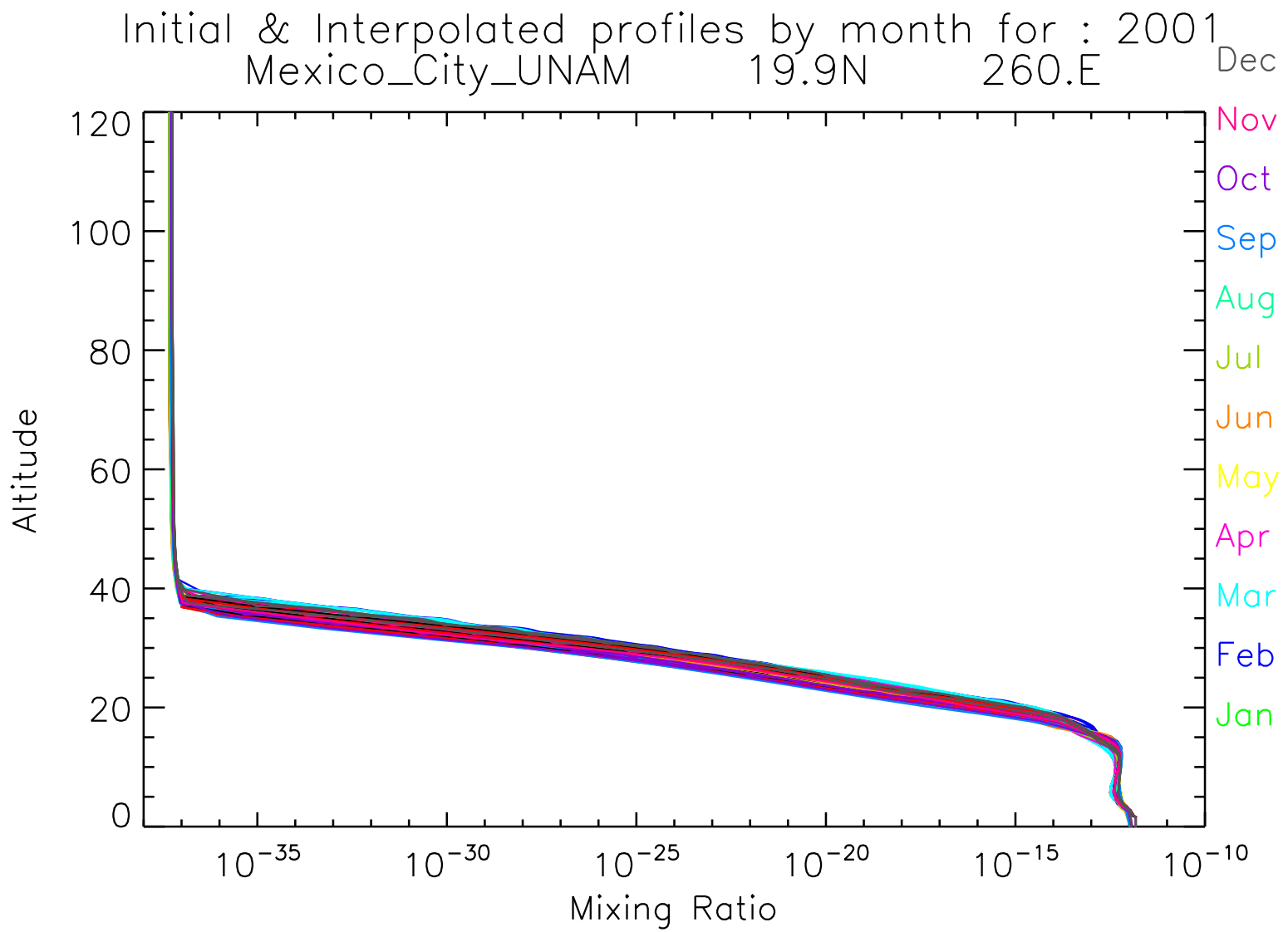
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Mexico_City_UNAM 19.9N 260.E
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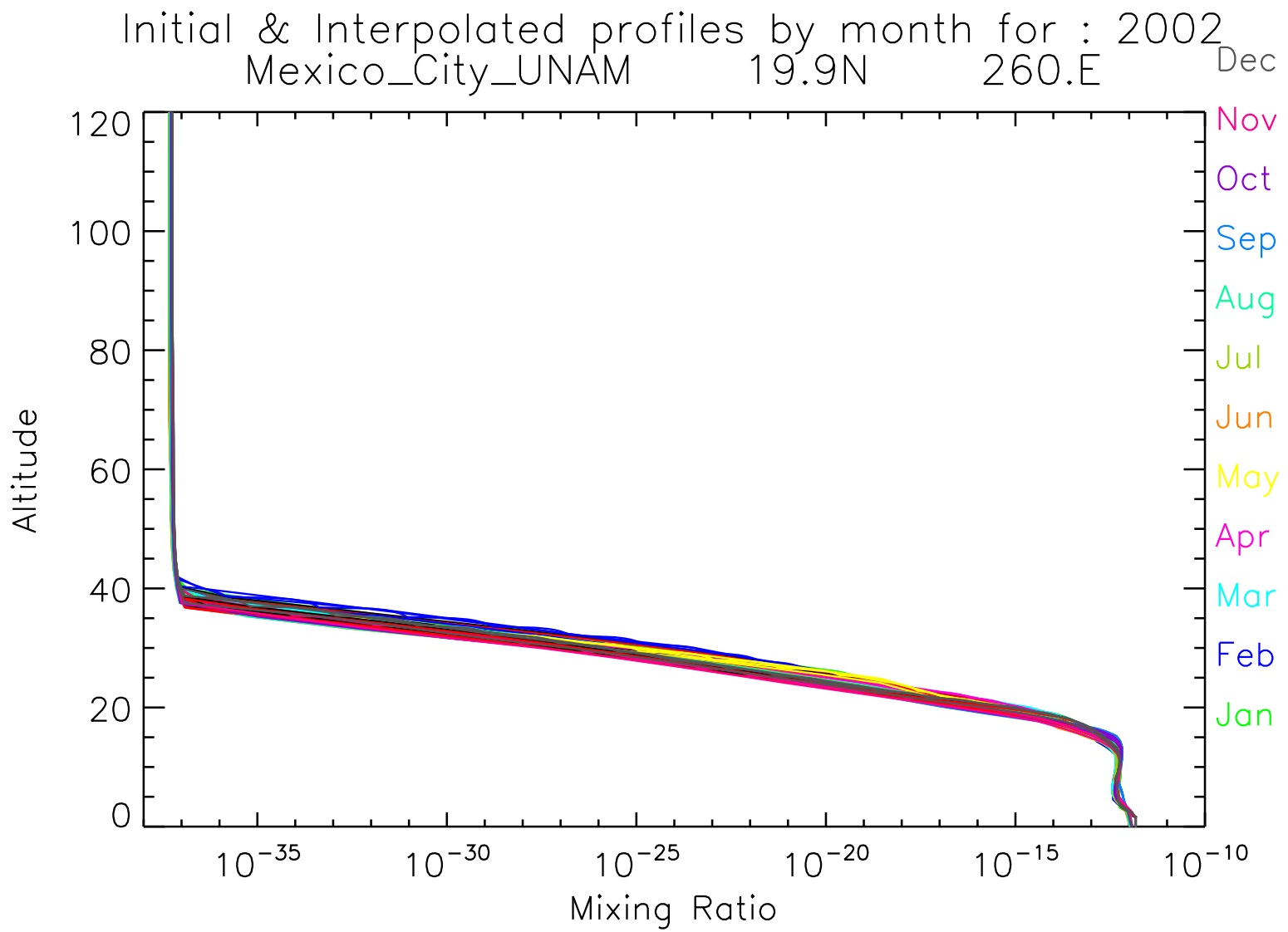
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Mexico_City_UNAM 19.9N 260.E
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Altitude
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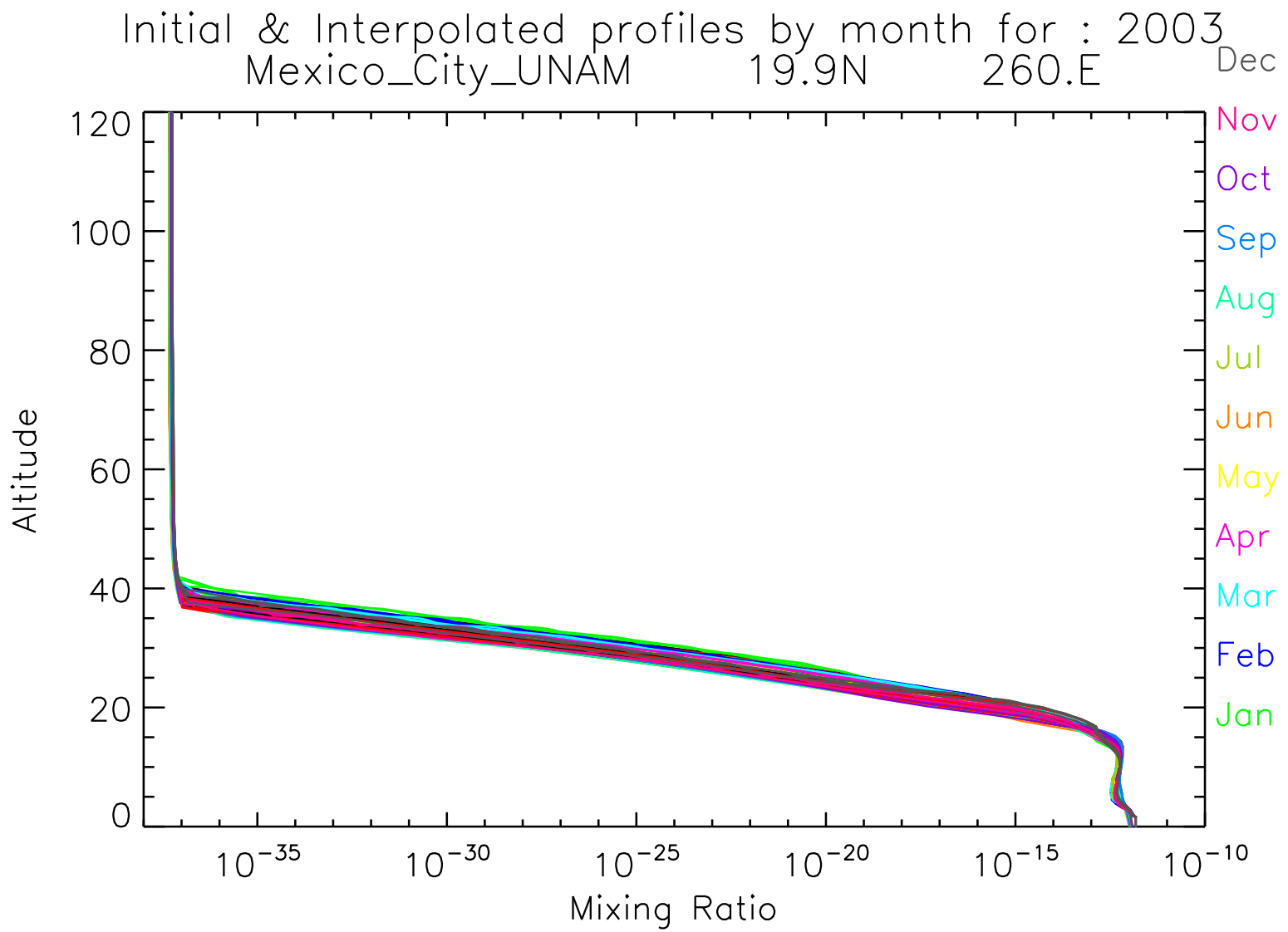
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Mexico_City_UNAM 19.9N 260.E
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Altitude
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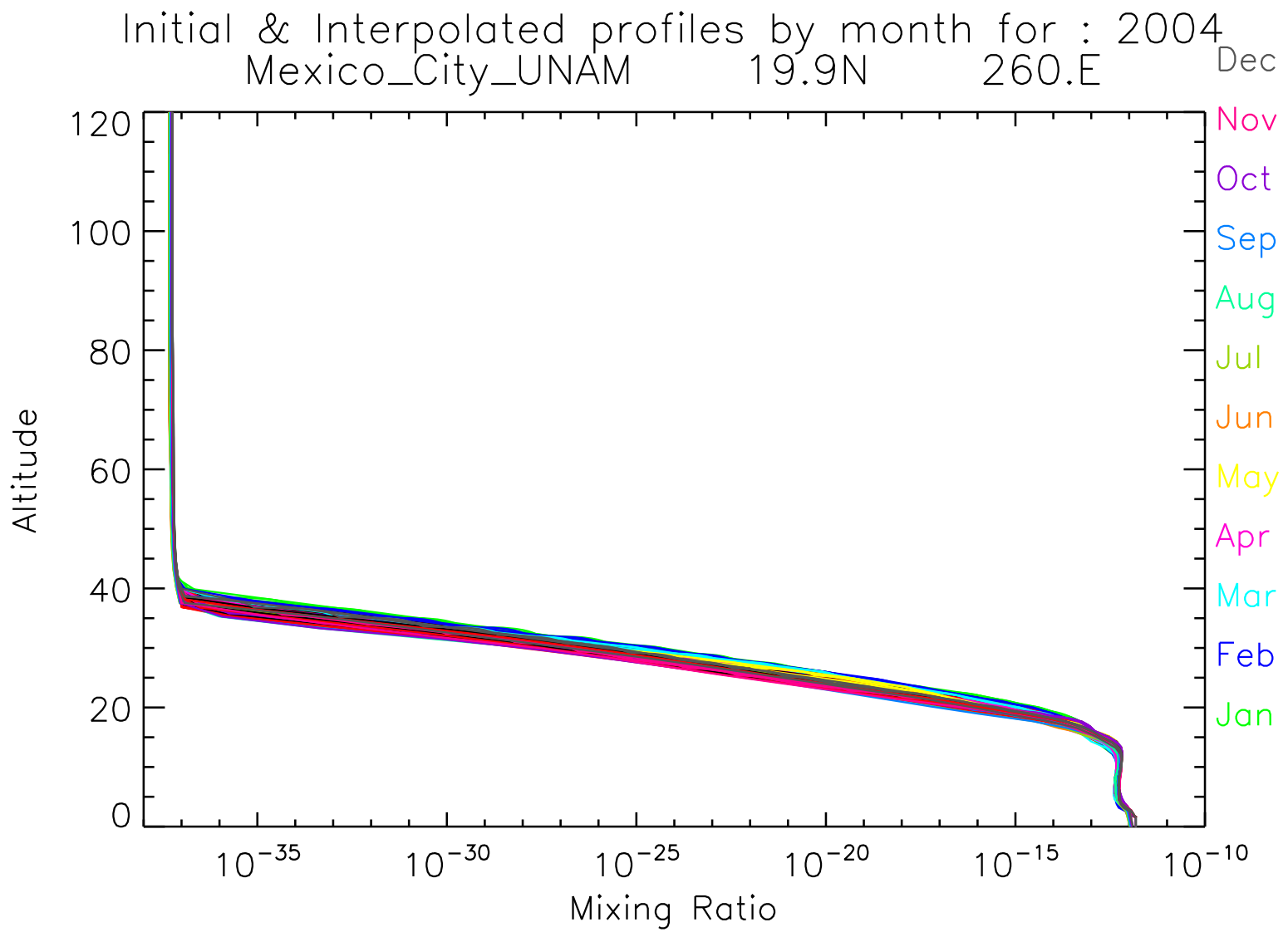
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Mexico_City_UNAM 19.9N 260.E
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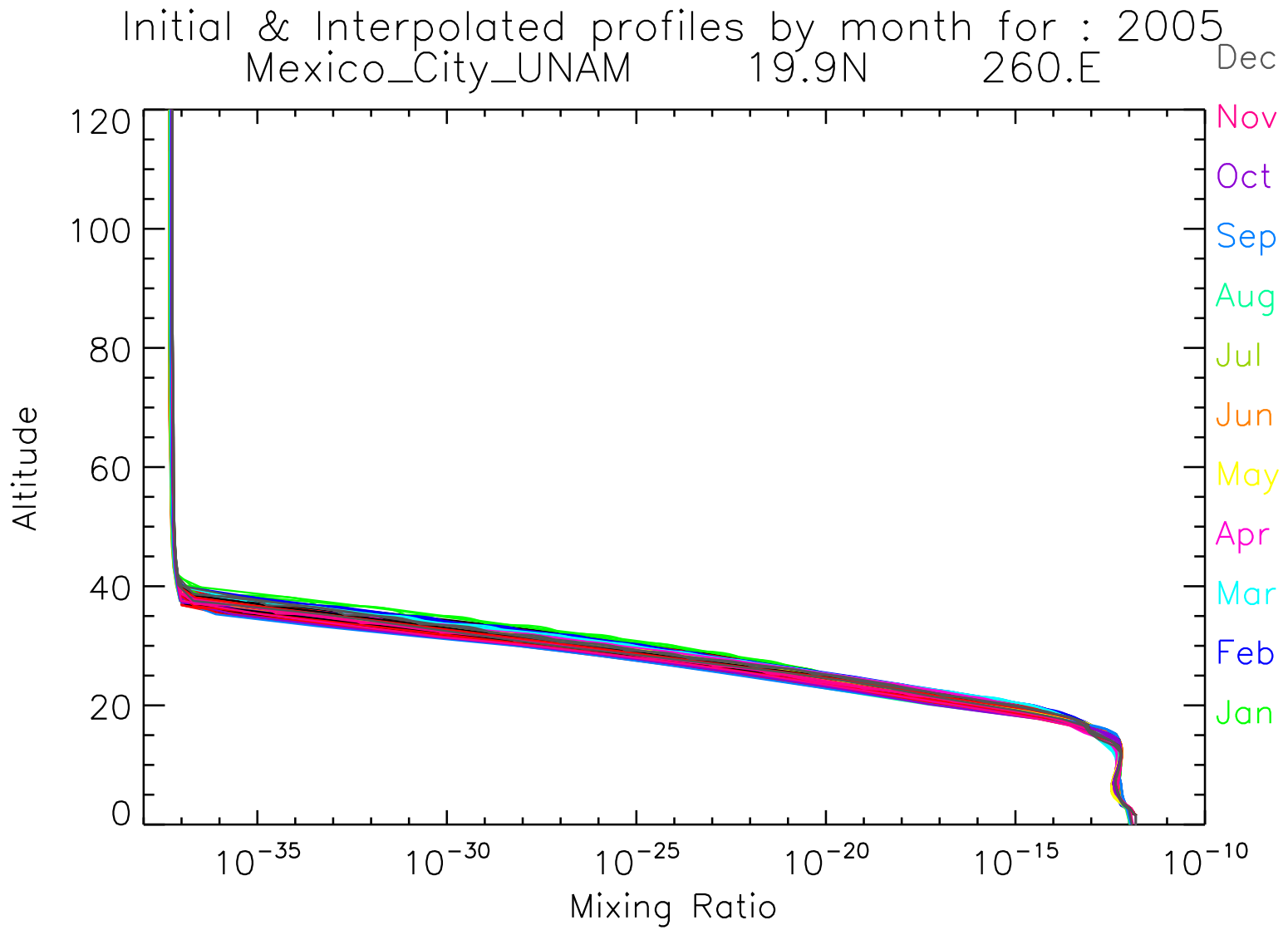
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Mexico_City_UNAM 19.9N 260.E
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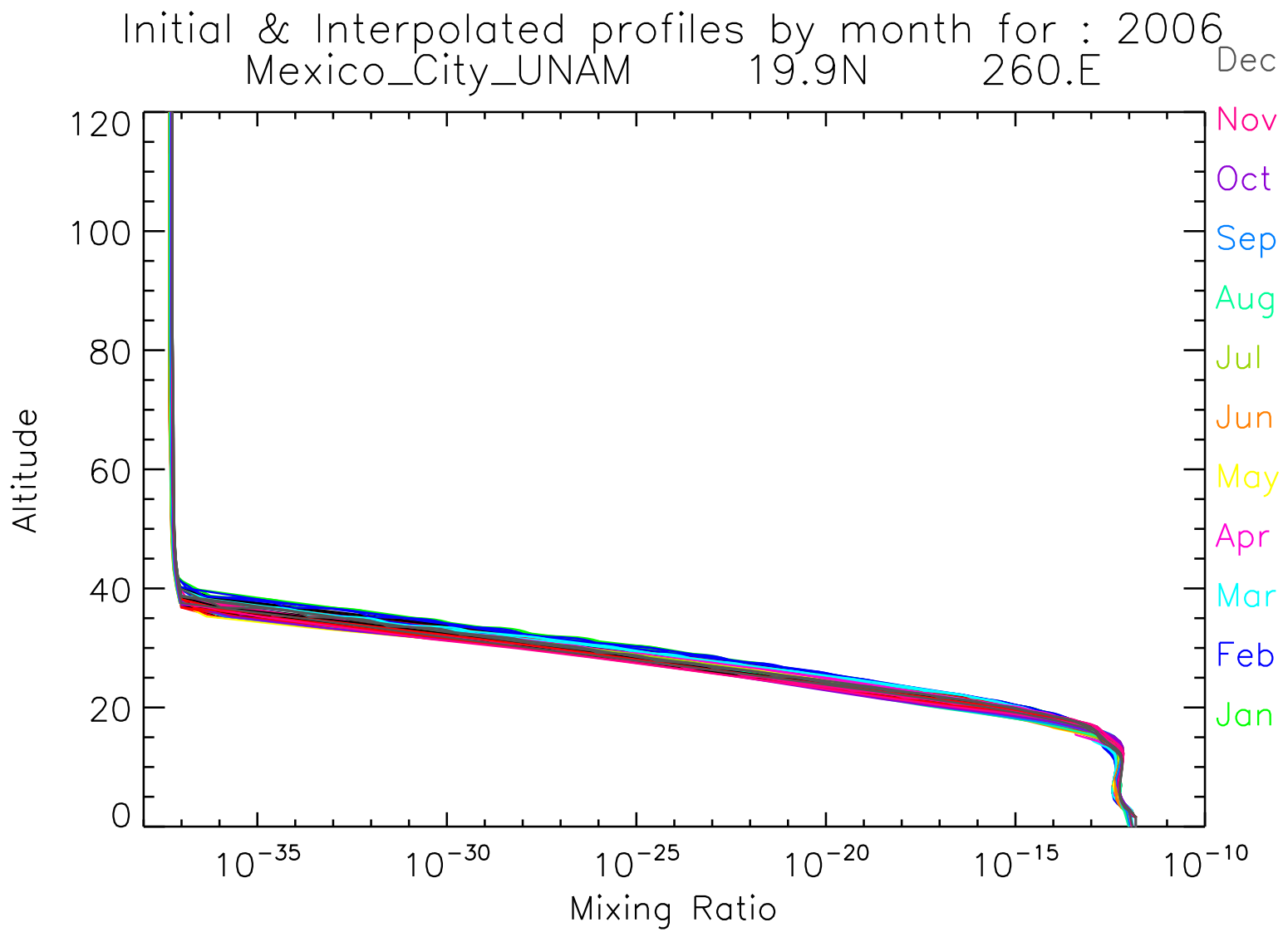
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Mexico_City_UNAM 19.9N 260.E
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Altitude
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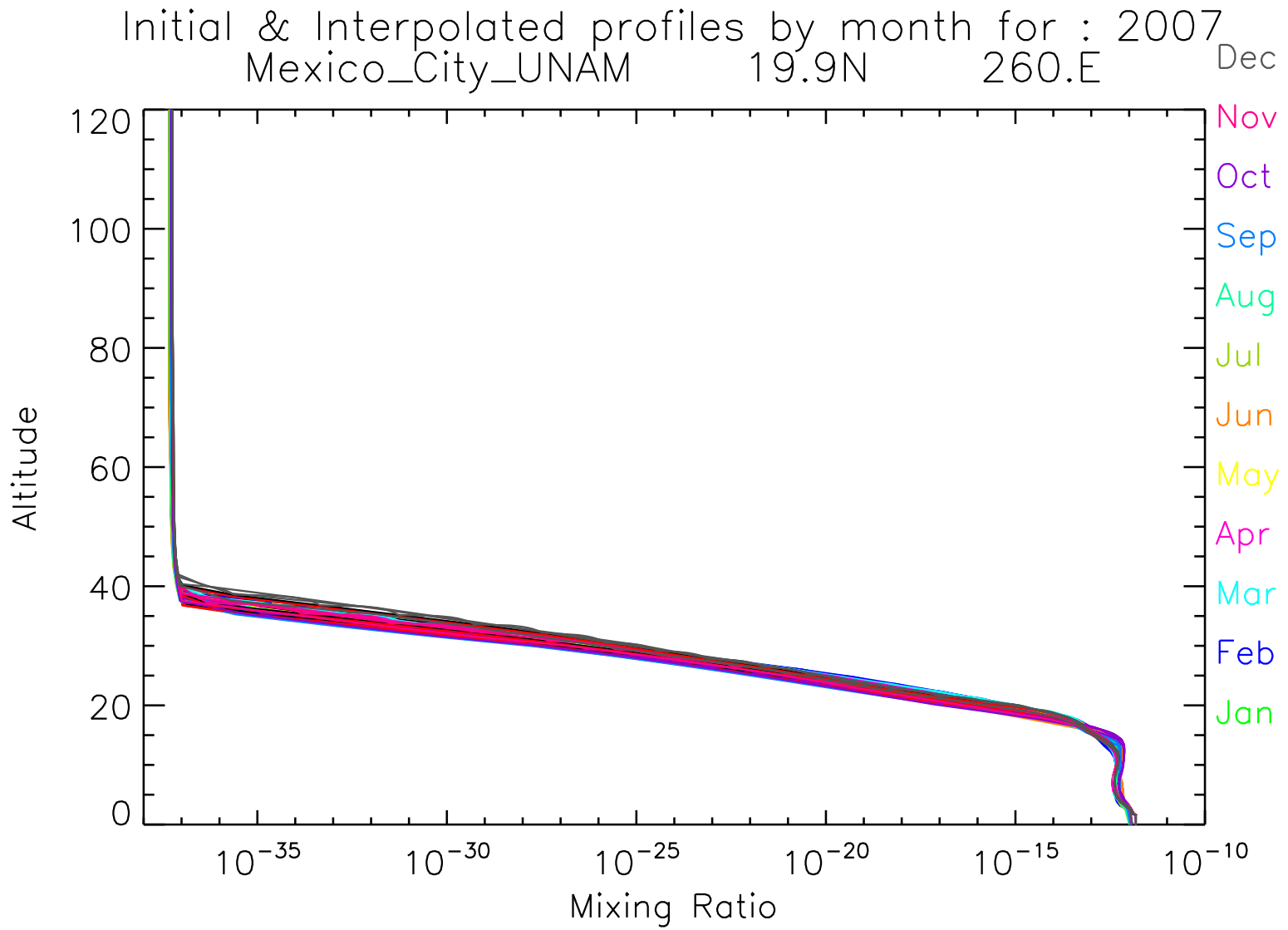
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Mexico_City_UNAM 19.9N 260.E
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Altitude
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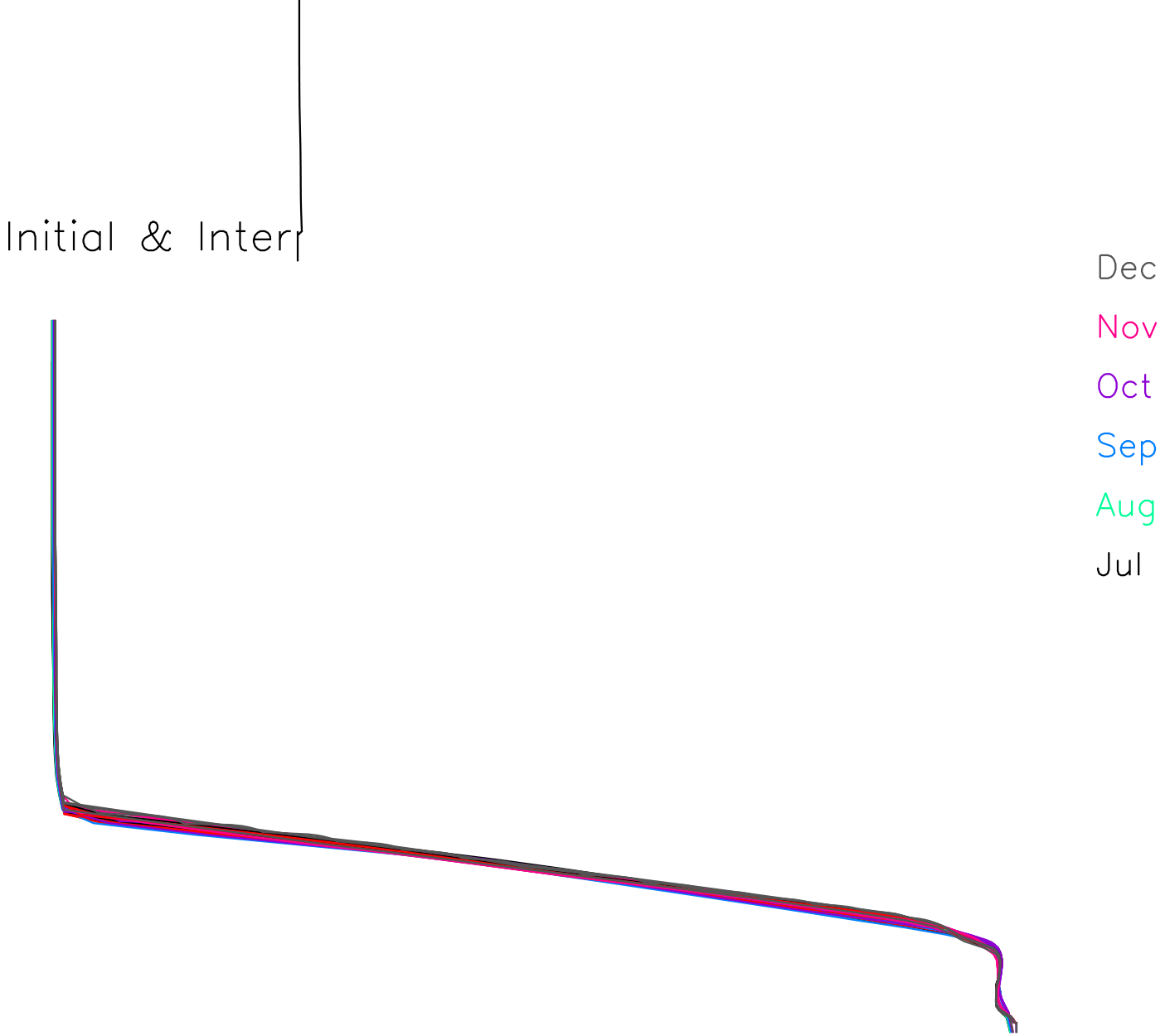
Mixing Ratio


Initial & Interr
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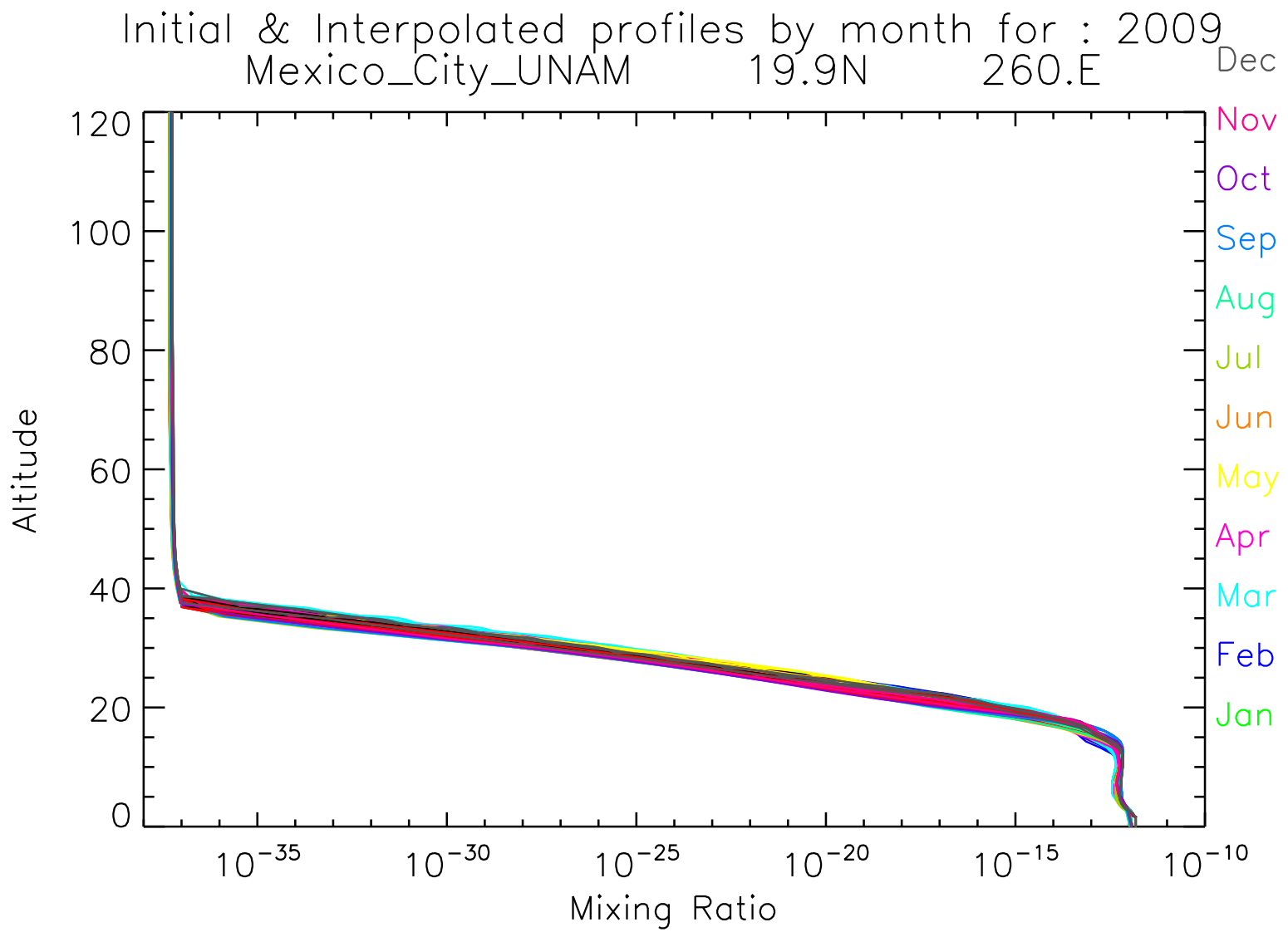
Initial & Interpolated profiles by month for : 2009
Mexico_City_UNAM 19.9N 260.E
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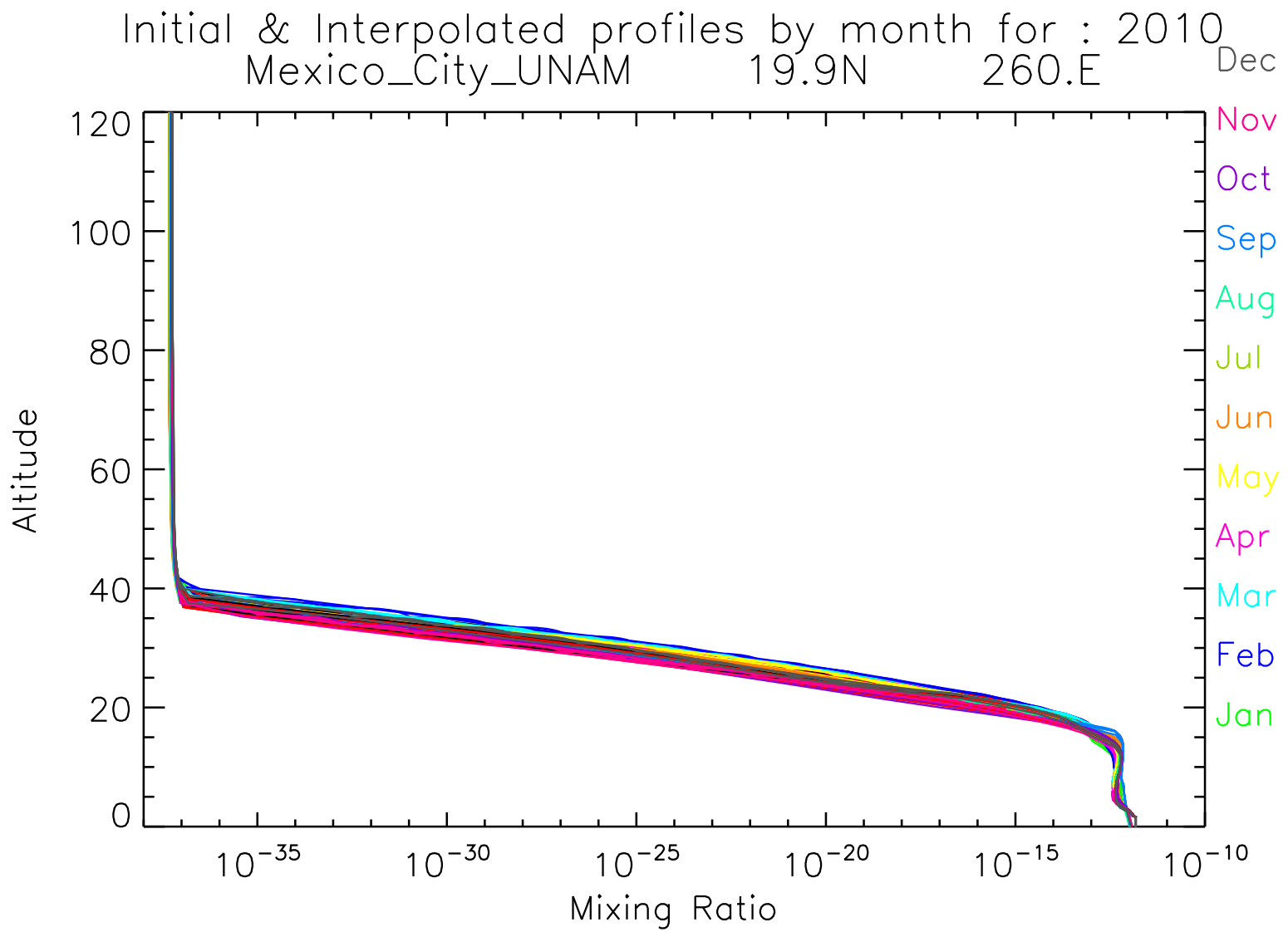
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Mexico_City_UNAM 19.9N 260.E
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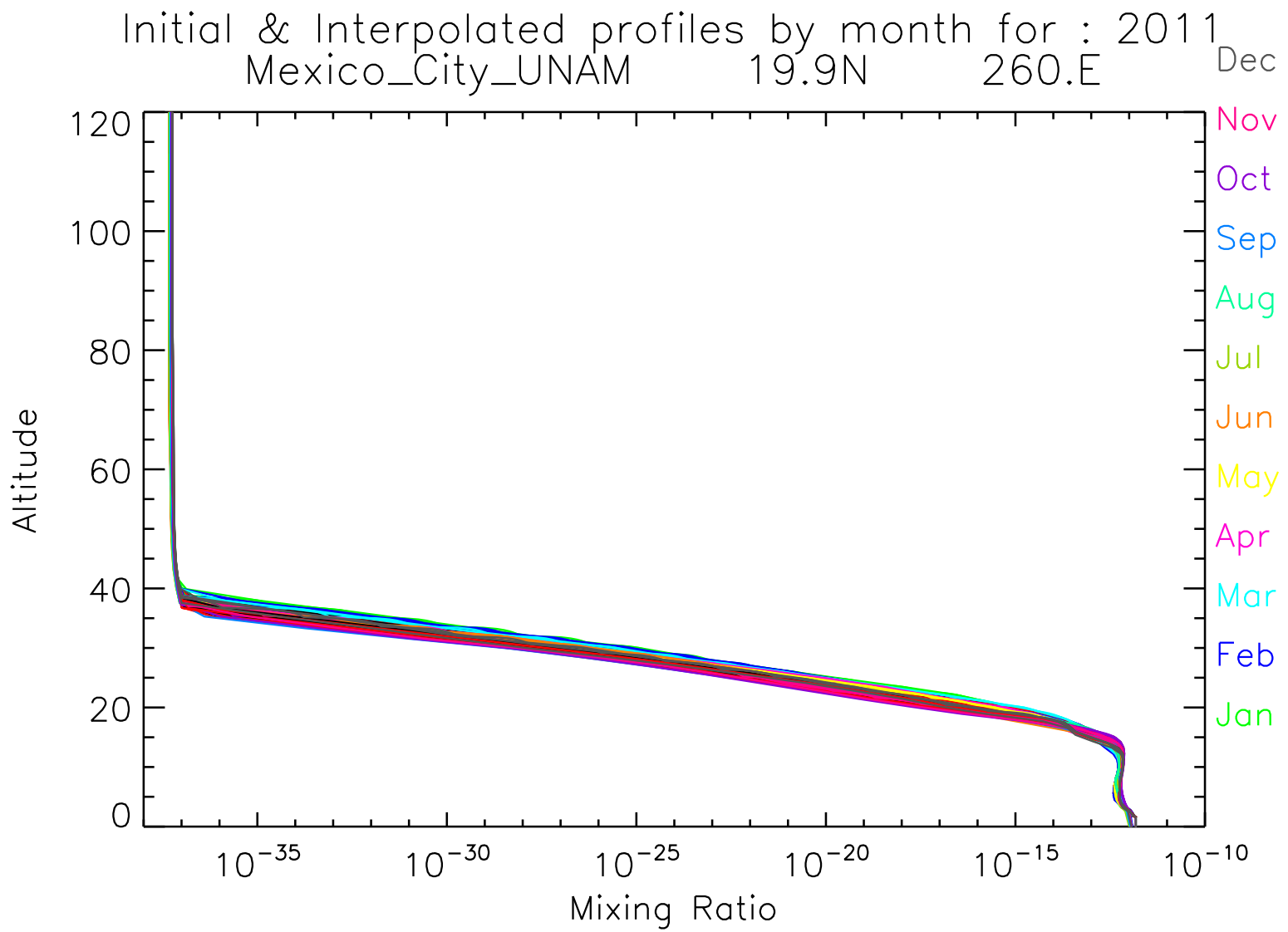
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Mexico_City_UNAM 19.9N 260.E
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Altitude
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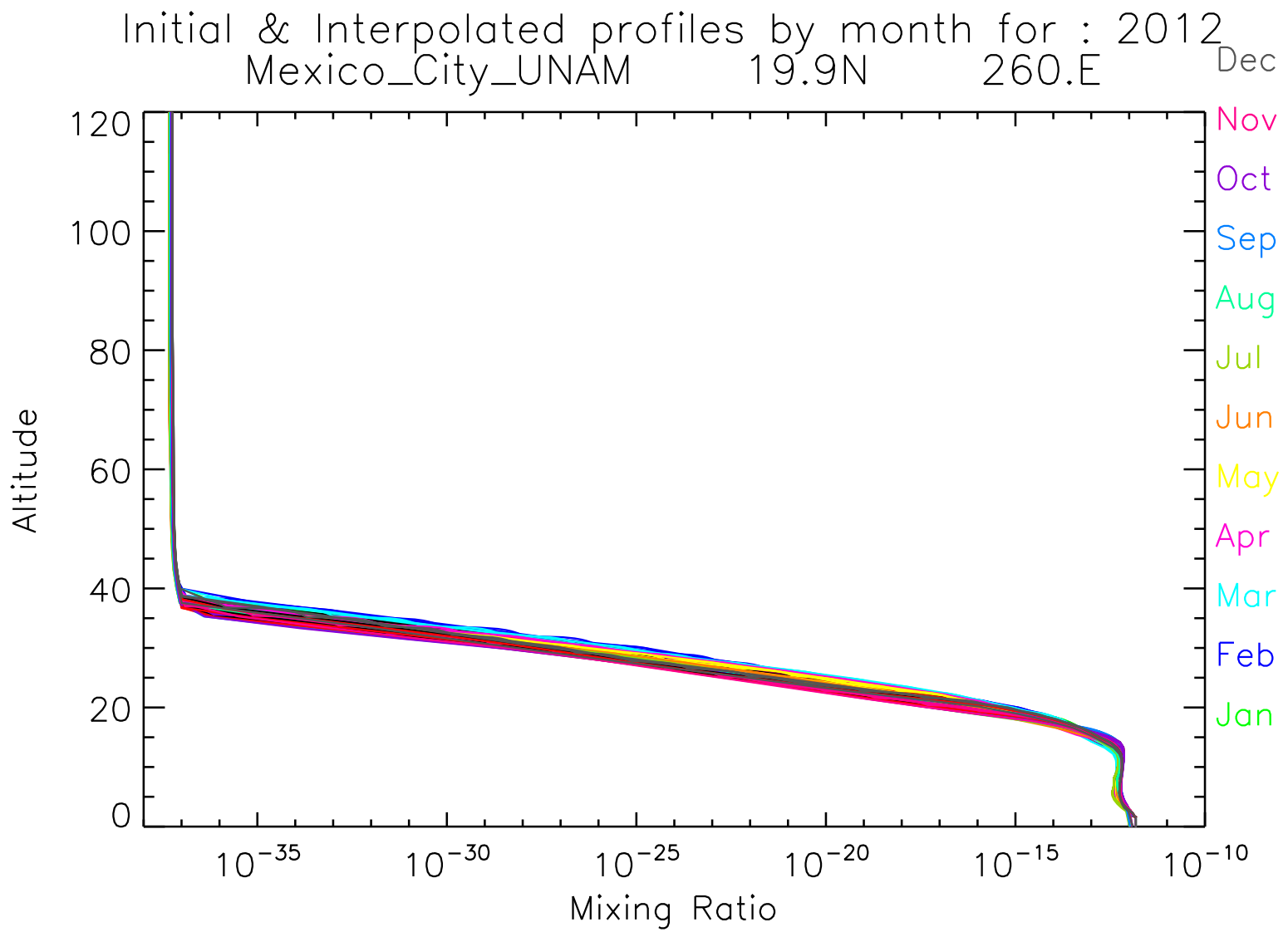
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Mexico_City_UNAM 19.9N 260.E
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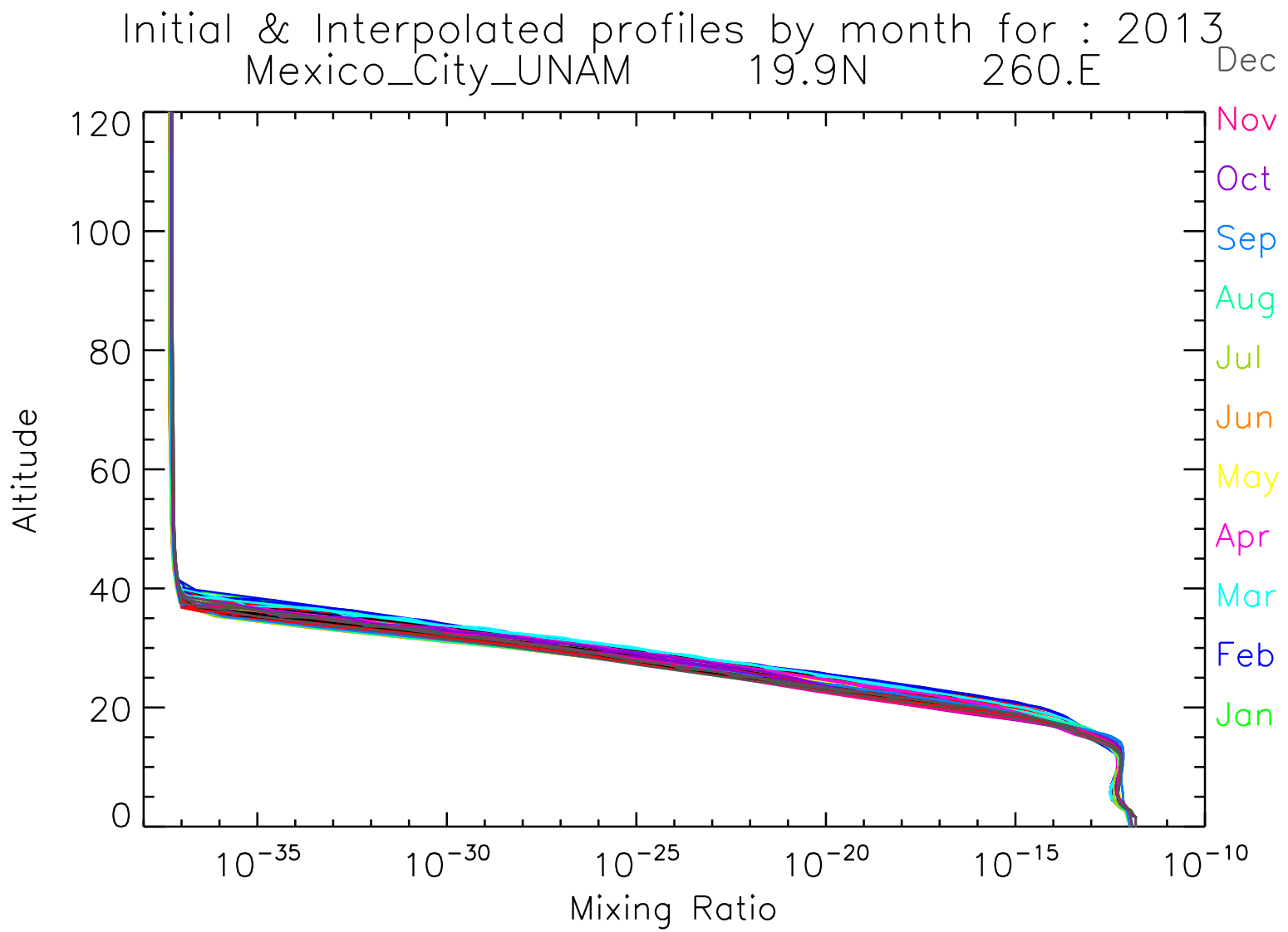
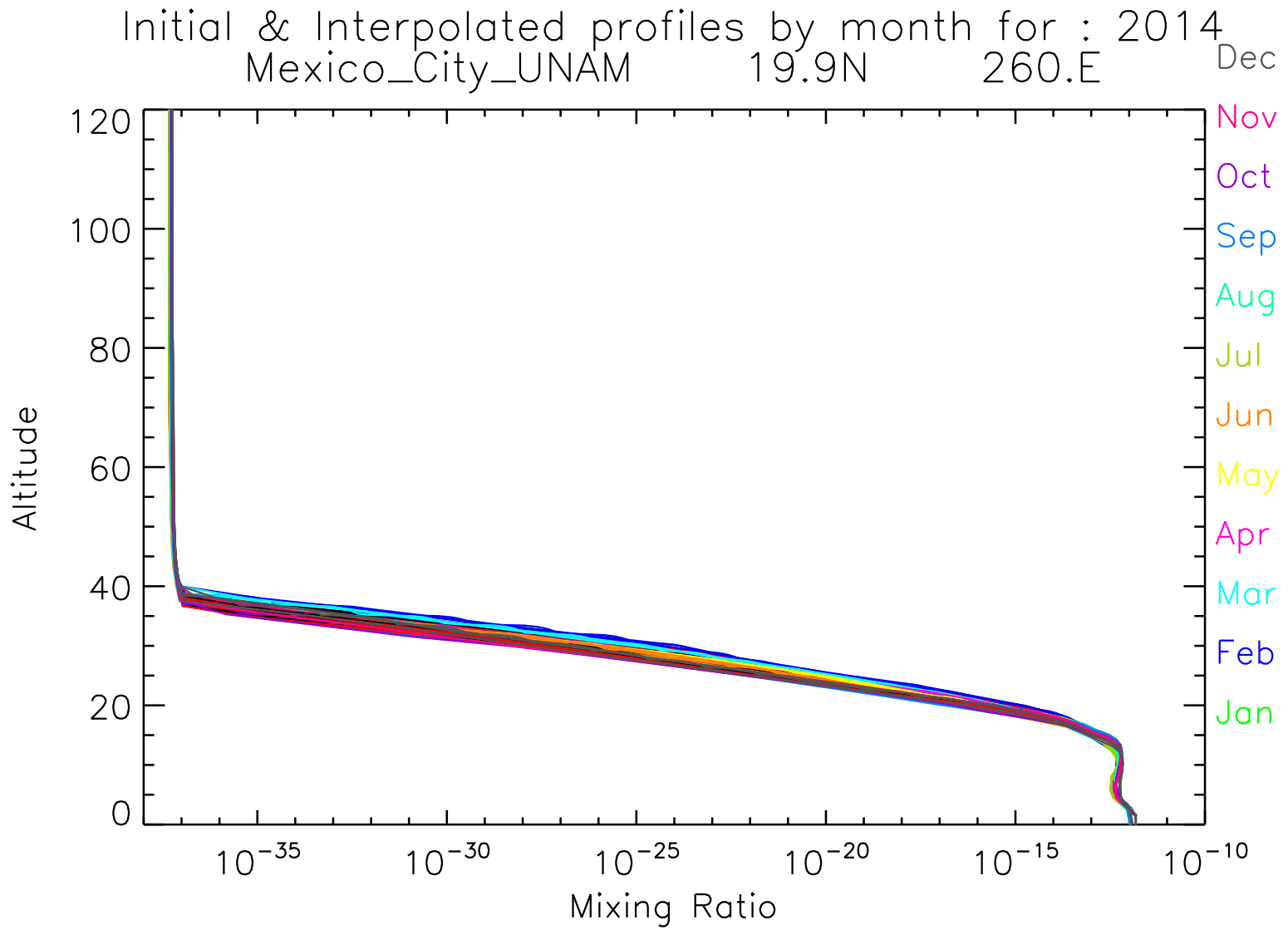
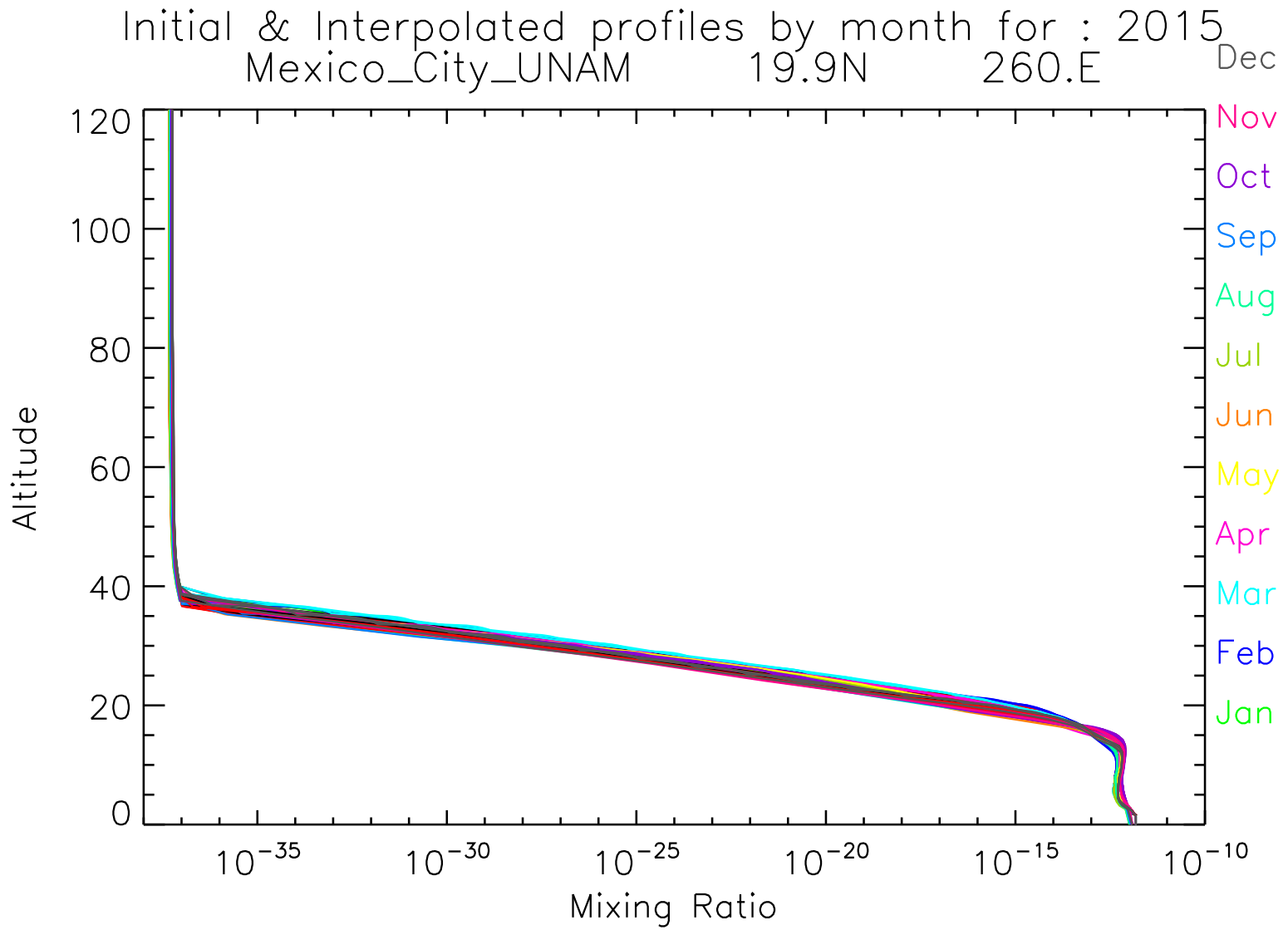
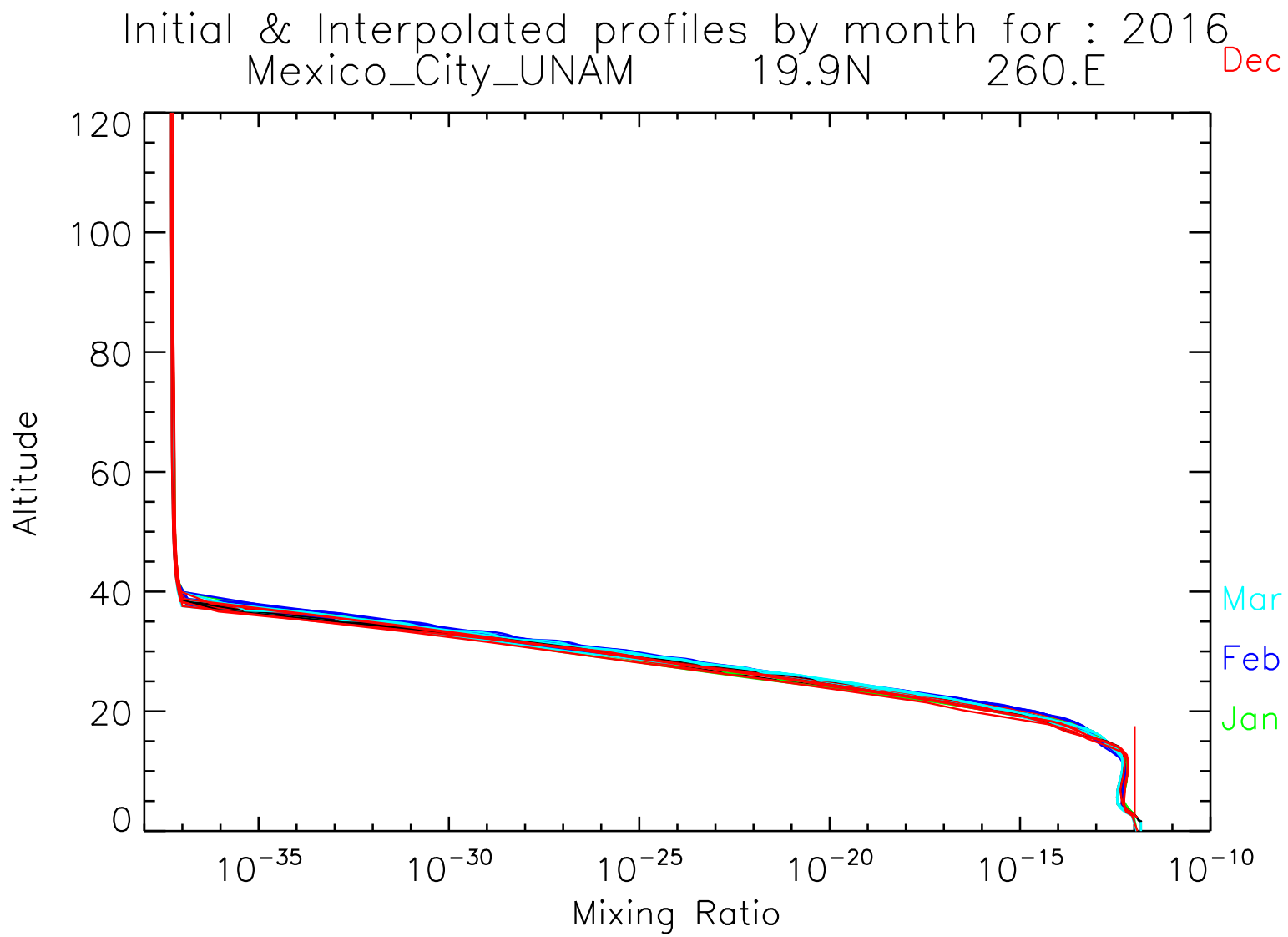
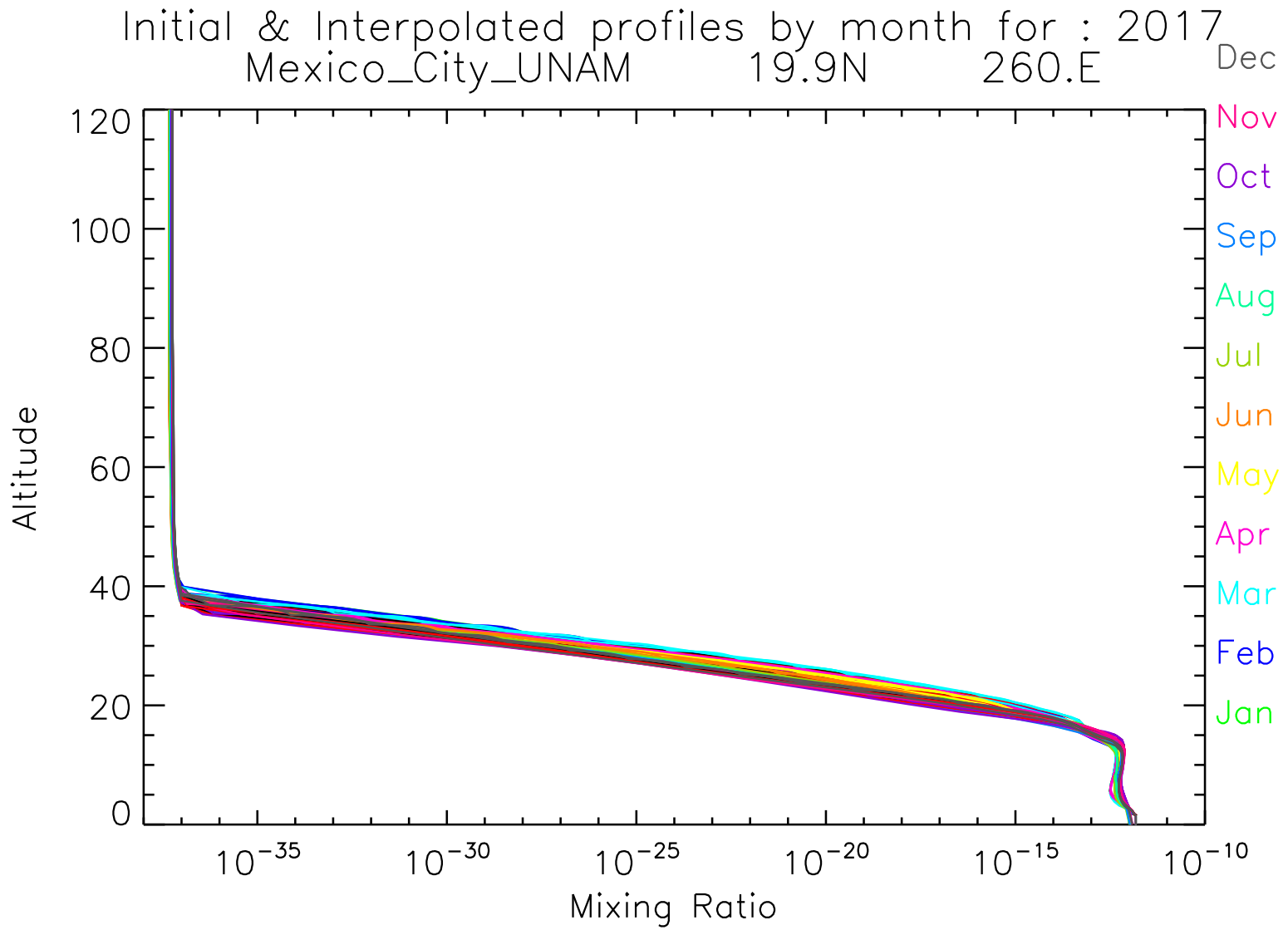
10^{-10}
Mixing Ratio

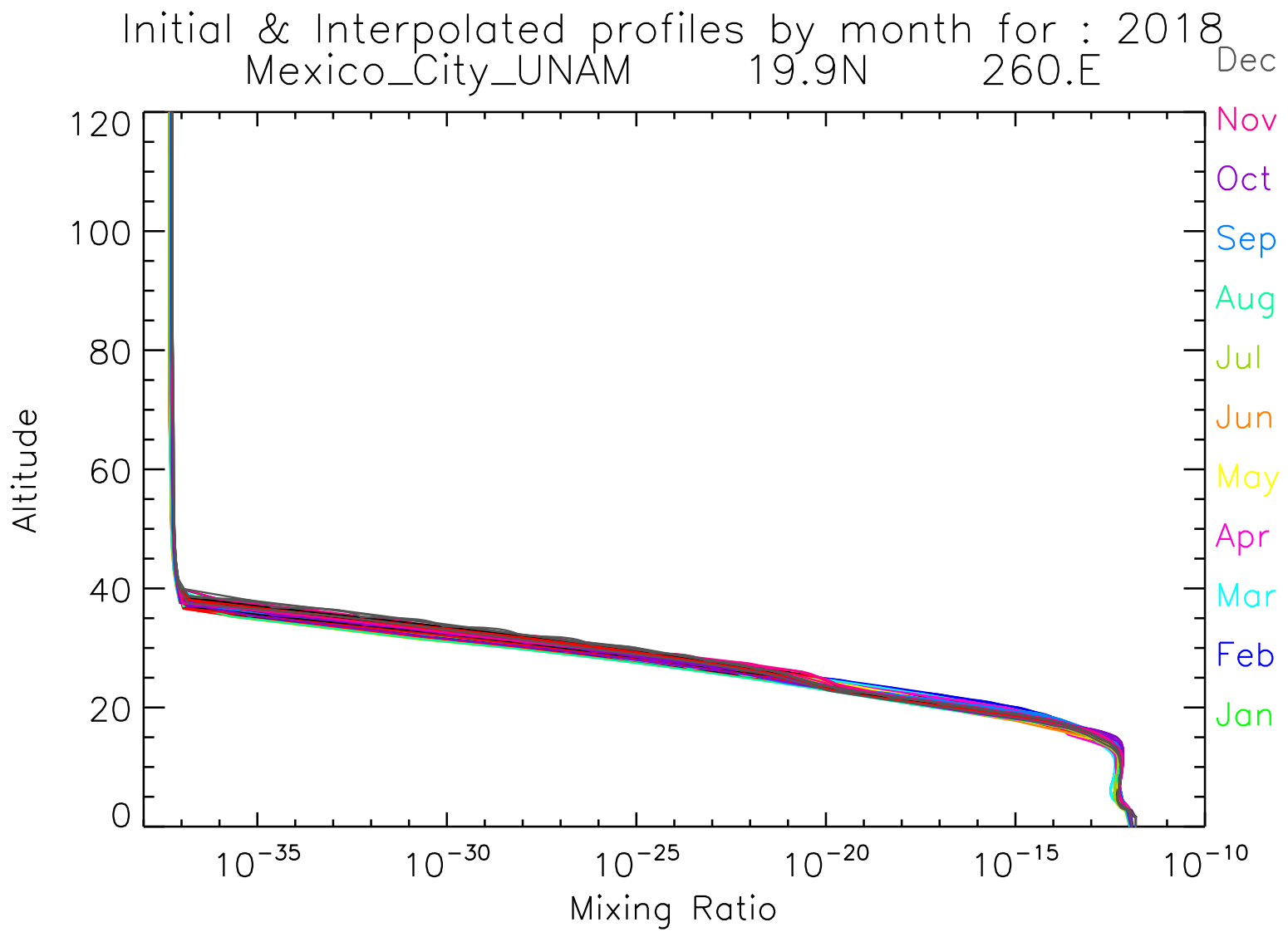

Initial & Interpolated profiles by month for : 2013
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

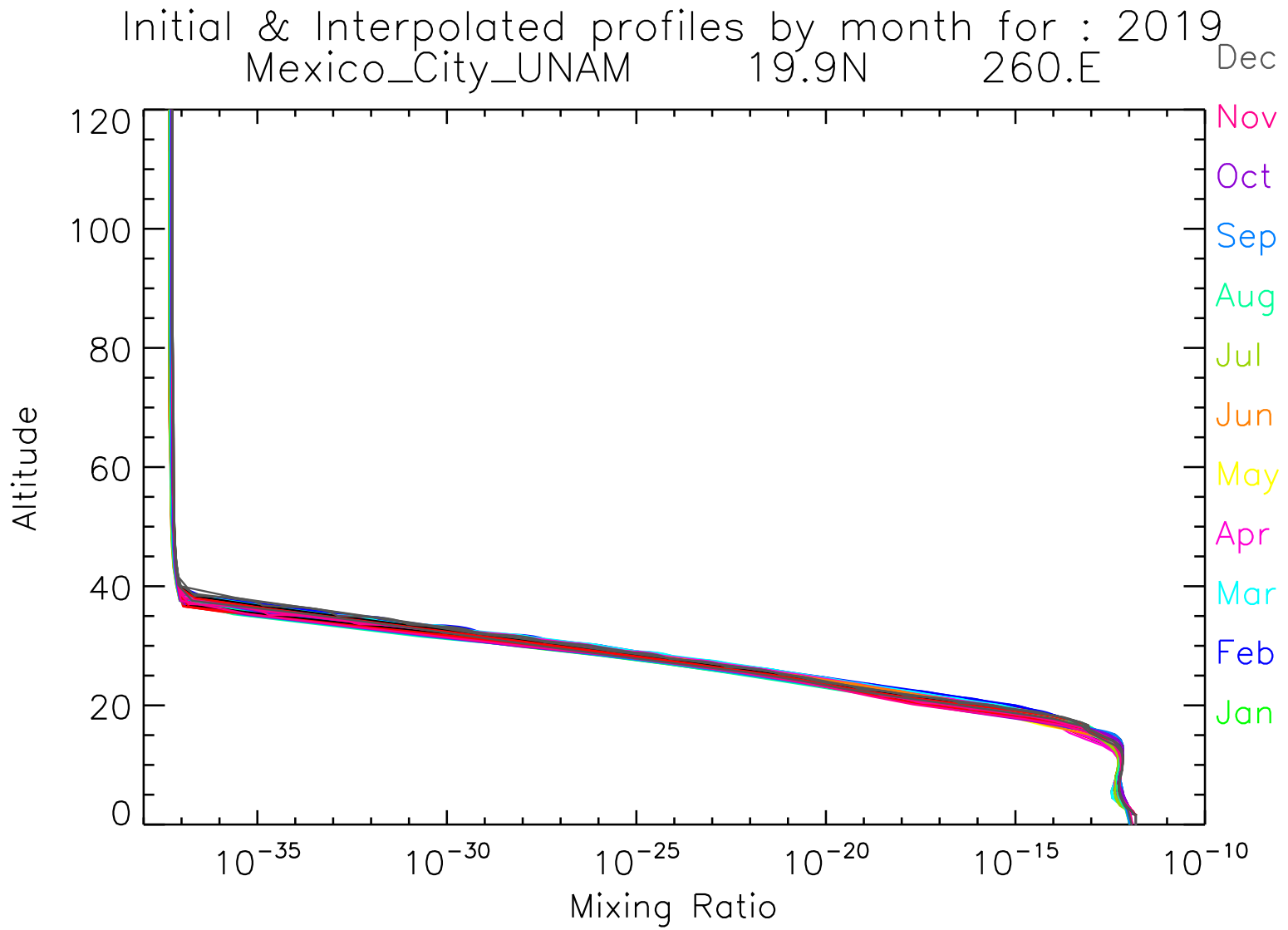

Initial & Interpolated profiles by month for : 2014
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

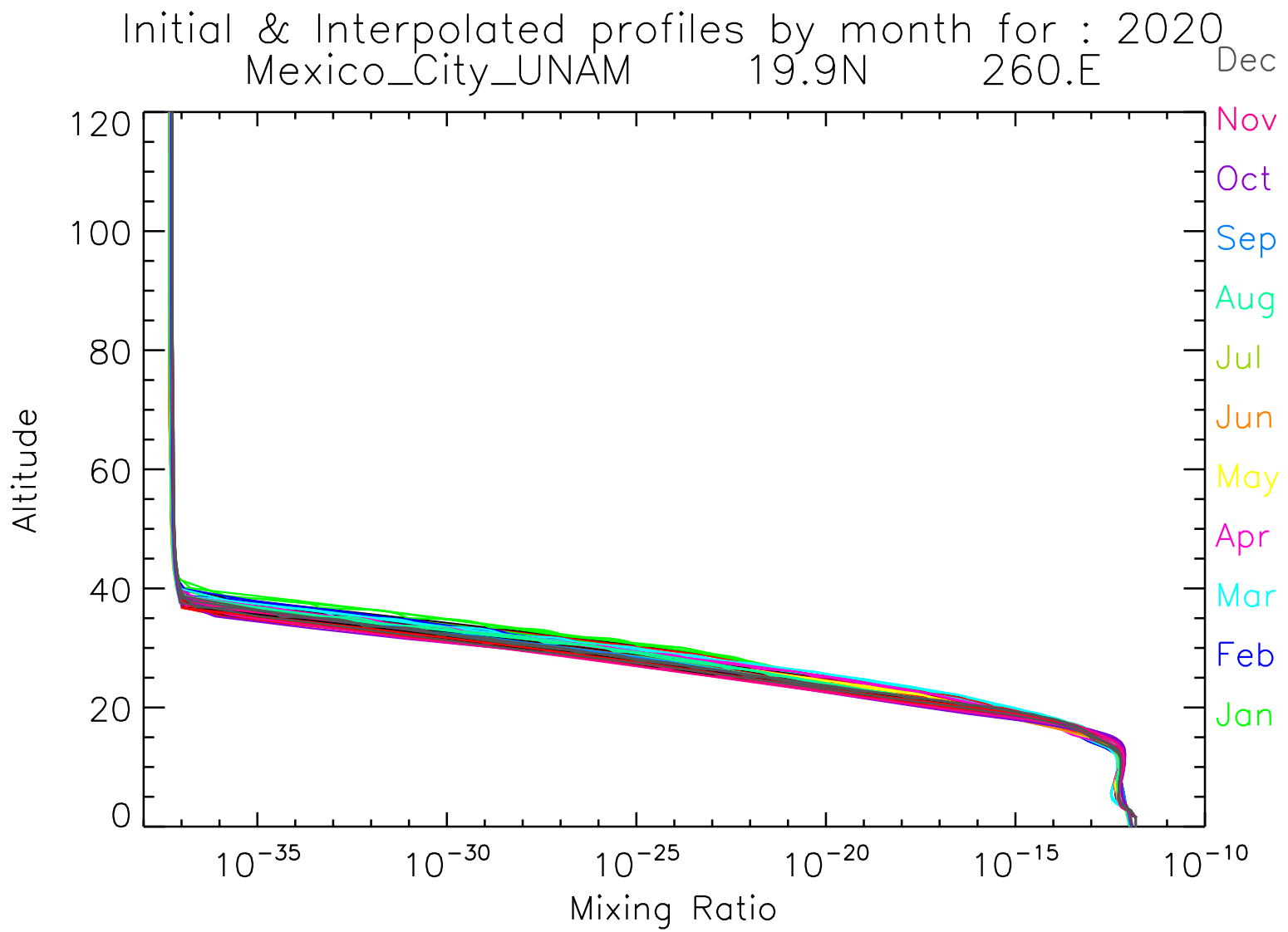

Initial & Interpolated profiles by month for : 2015
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

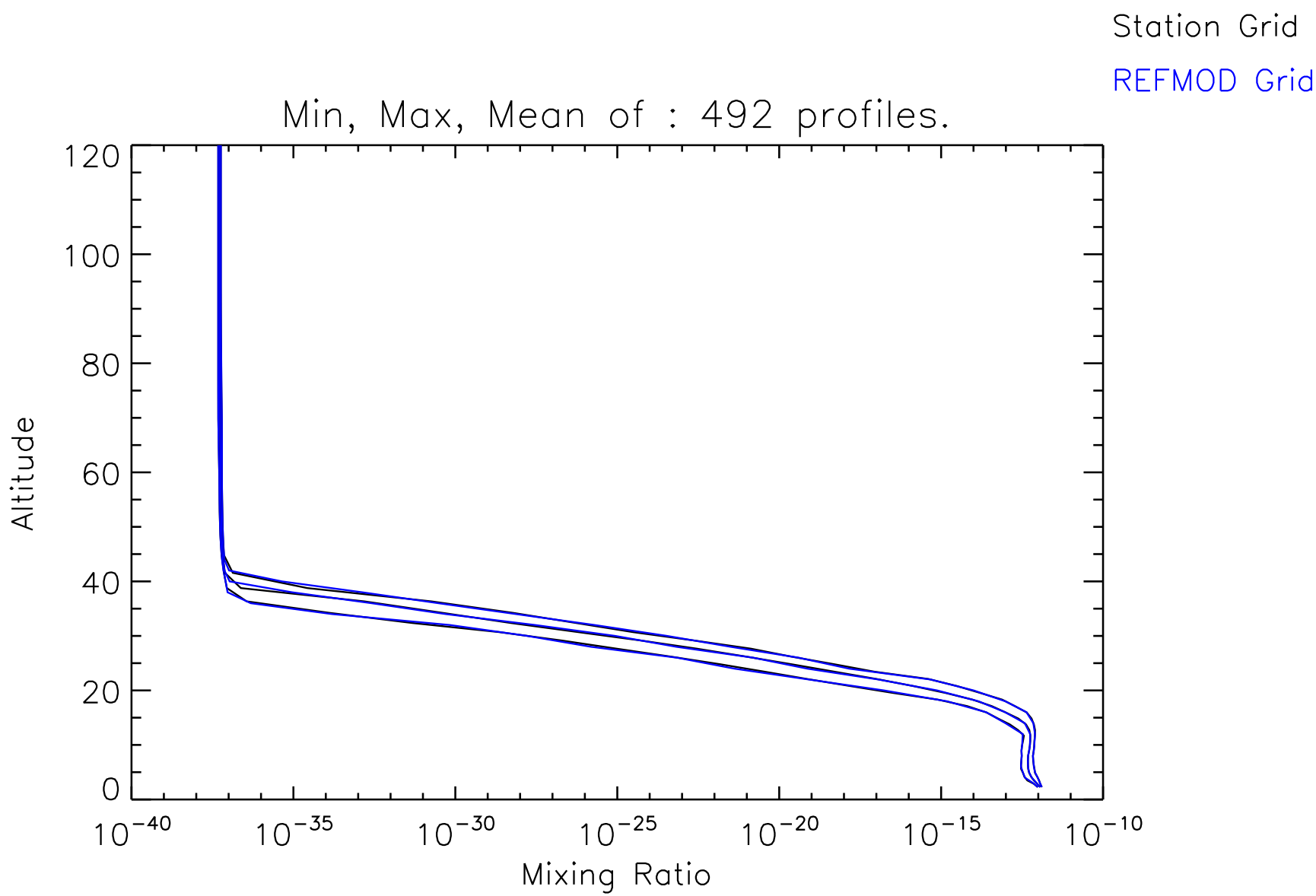

Initial & Interpolated profiles by month for : 2016
Mexico_City_UNAM 19.9N 260.E
Dec
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

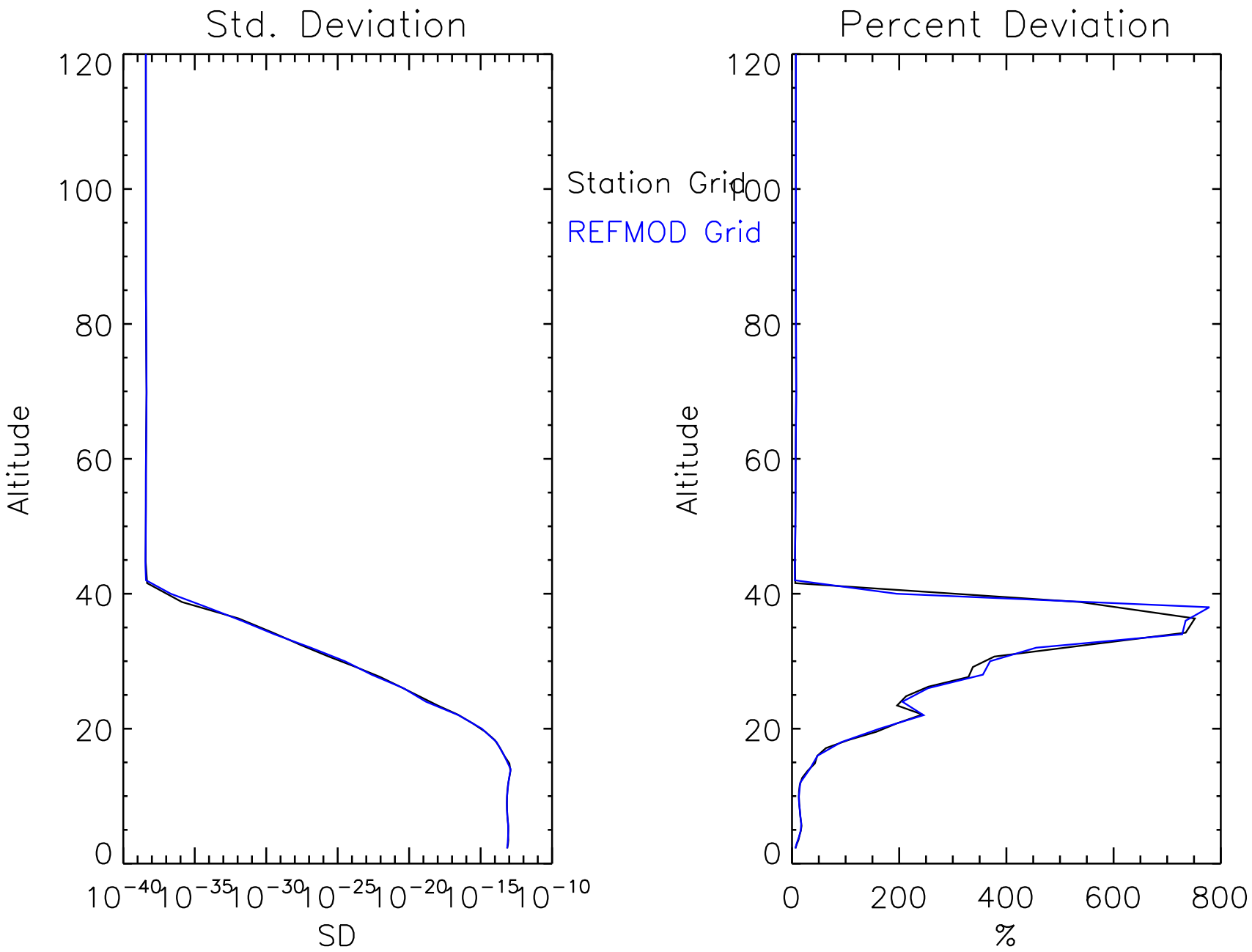

Initial & Interpolated profiles by month for : 2017
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

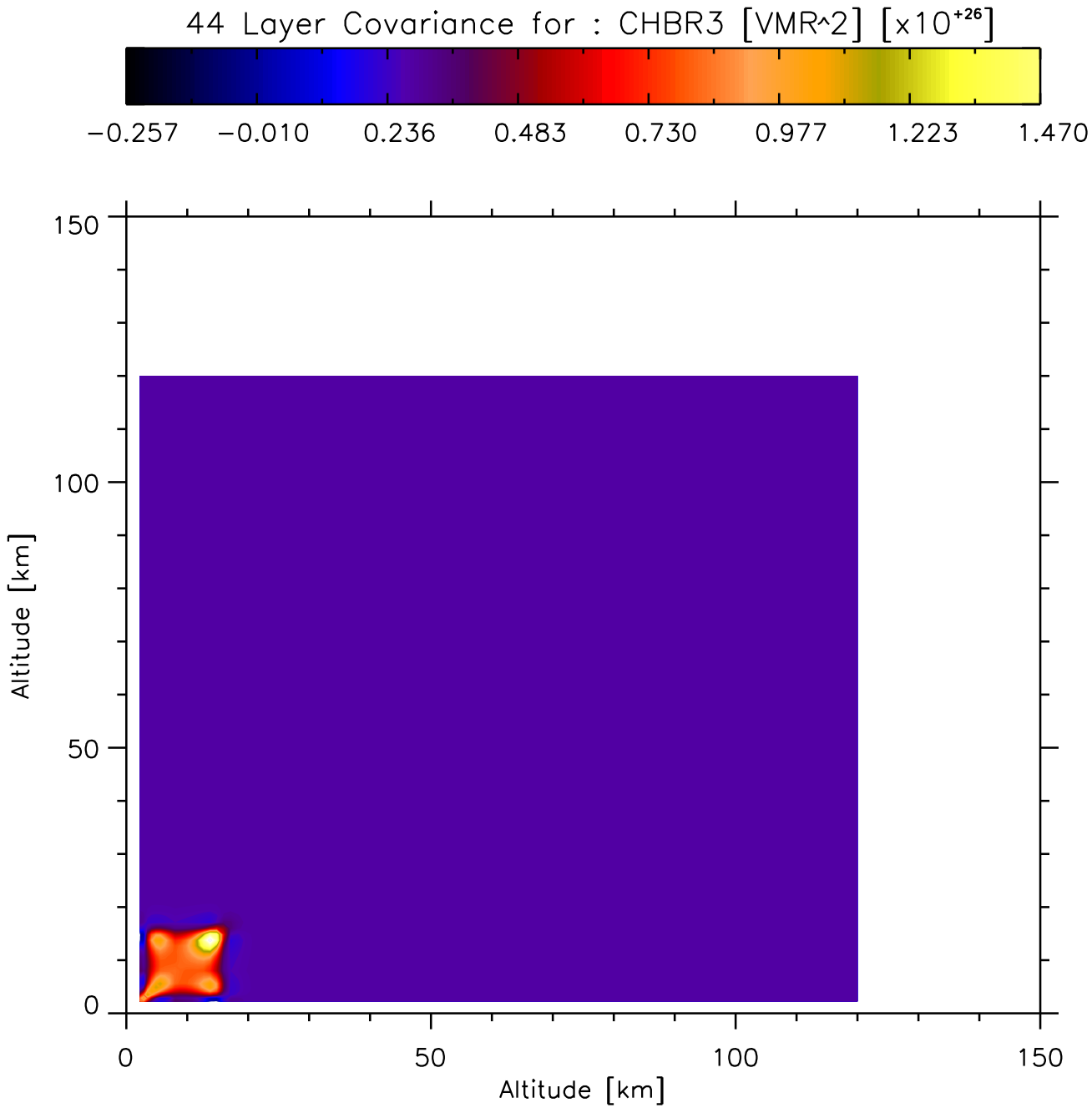

Initial & Interpolated profiles by month for : 2018
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2019
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^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

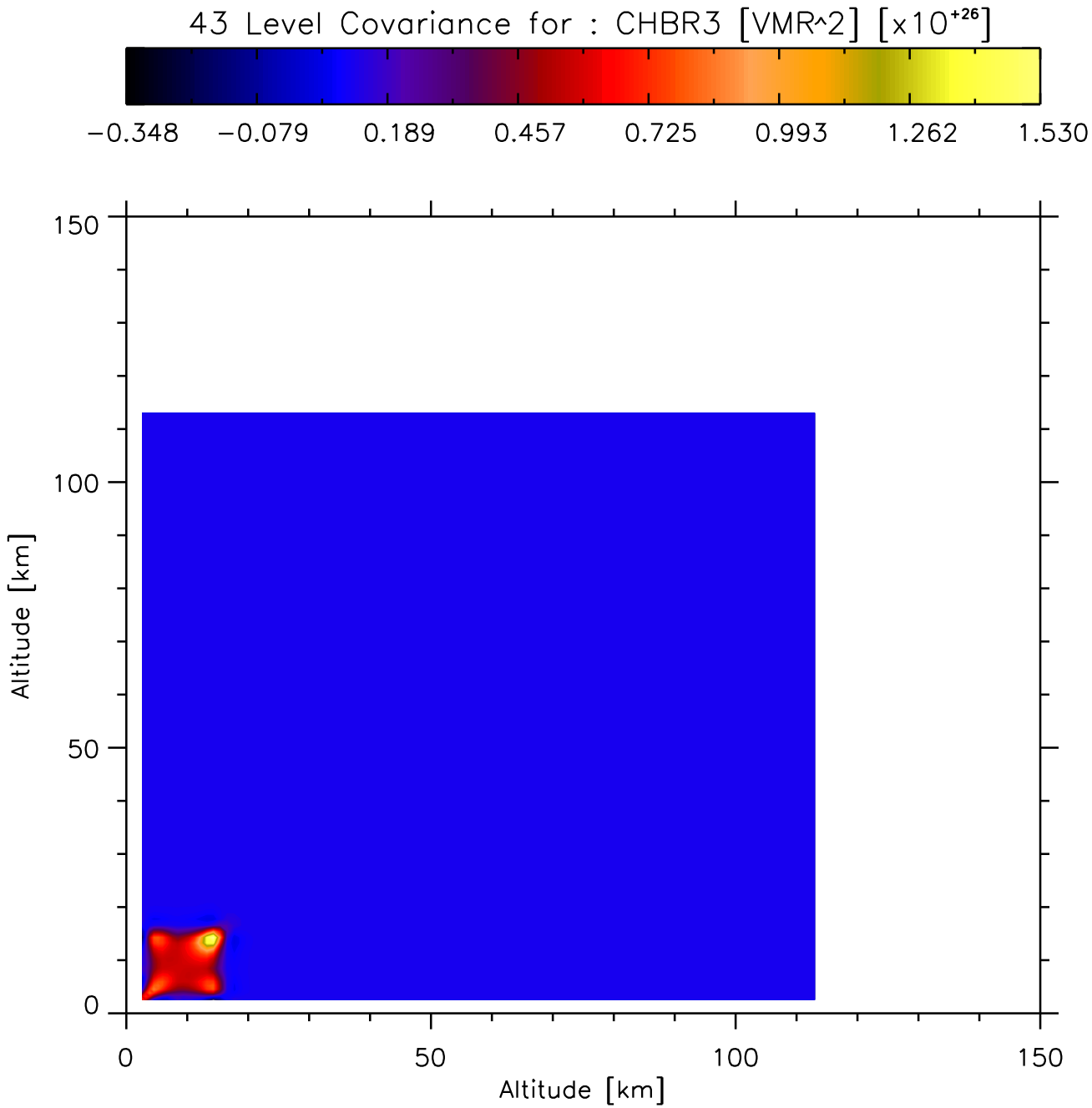

Initial & Interpolated profiles by month for : 2020
Mexico_City_UNAM 19.9N 260.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-40}
10^{-35}
10^{-30}
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^{-40} 10^{-35} 10^{-30} 10^{-25} 10^{-20} 10^{-15} 10^{-10}
SD
0
200
400
600
800
%


44 Layer Covariance for : CHBR3 [VMR^2] [x10^+26]
−0.257
−0.010
0.236
0.483
0.730
0.977
1.223
1.470
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

44 Layer Covariance for : CHBR3 [VMR^2] [x10^+26]
−0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude


43 Level Covariance for : CHBR3 [VMR^2] [x10^+26]
−0.348
−0.079
0.189
0.457
0.725
0.993
1.262
1.530
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

43 Level Covariance for : CHBR3 [VMR^2] [x10^+26]
−0.5
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
50
100
0
50
100
X Altitude