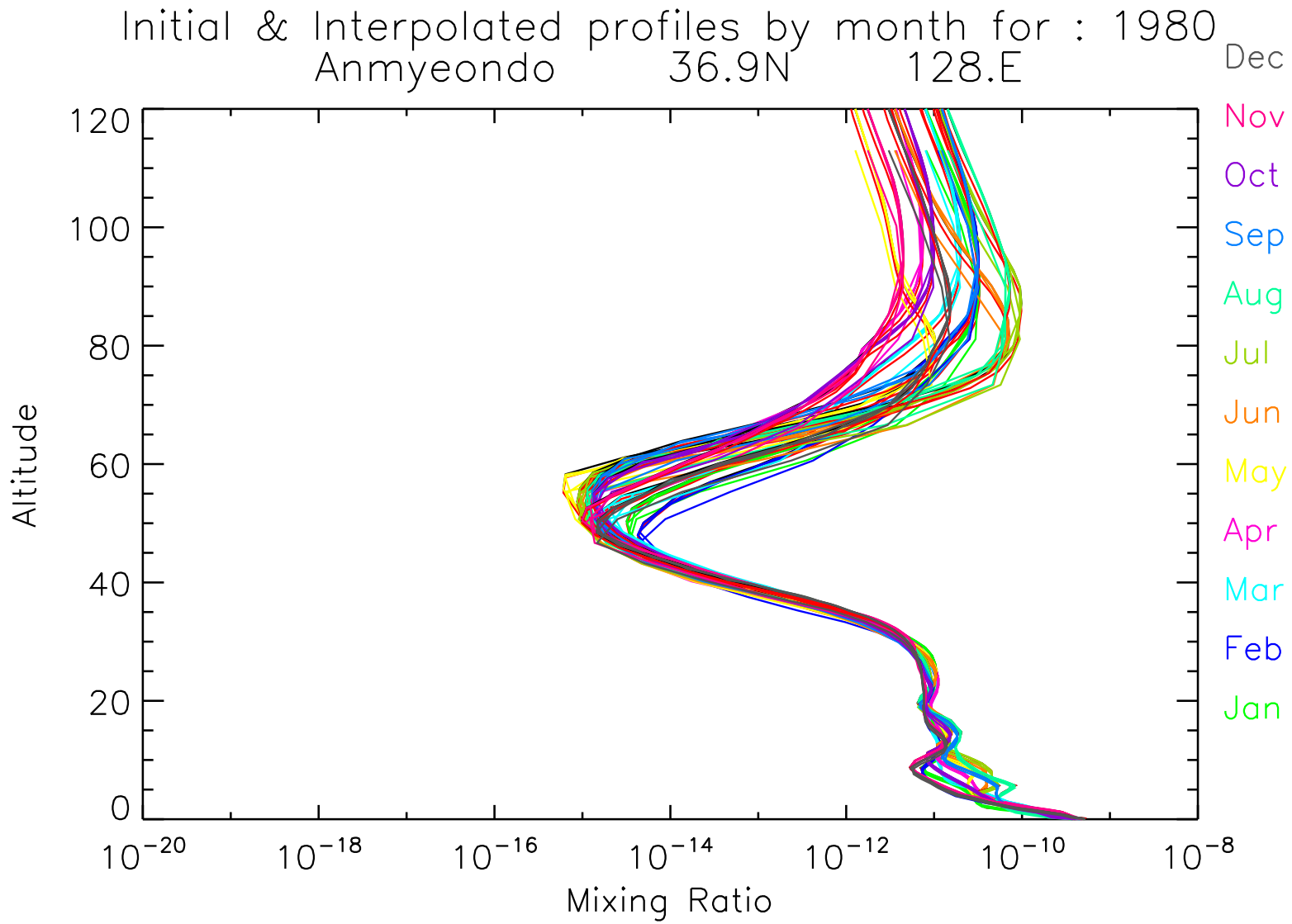
Initial & Interpolated profiles by month for : 1980
Anmyeondo 36.9N 128.E
Dec
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Feb
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120
100
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Altitude
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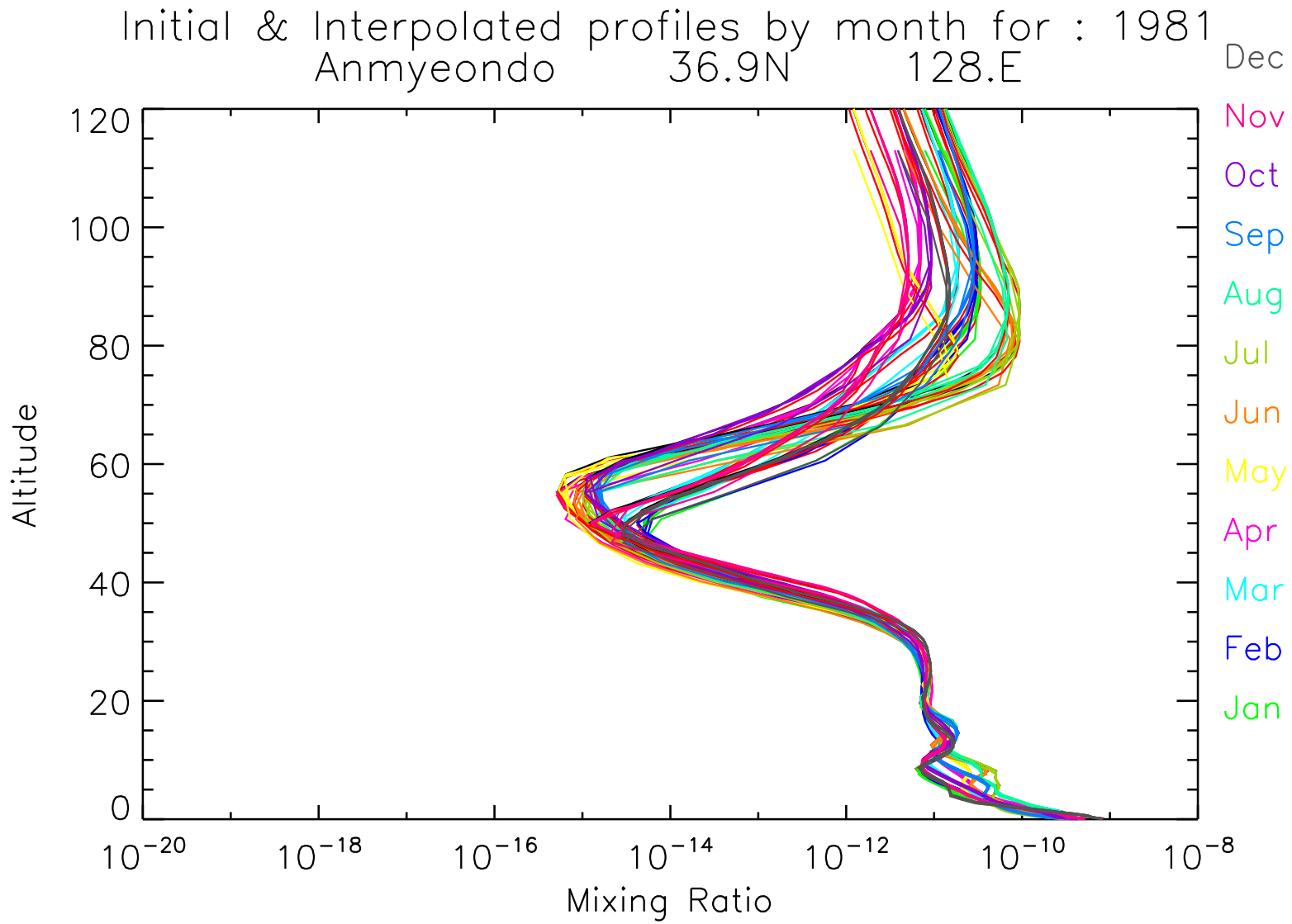
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
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Jun
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Feb
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120
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Altitude
10^{-20}
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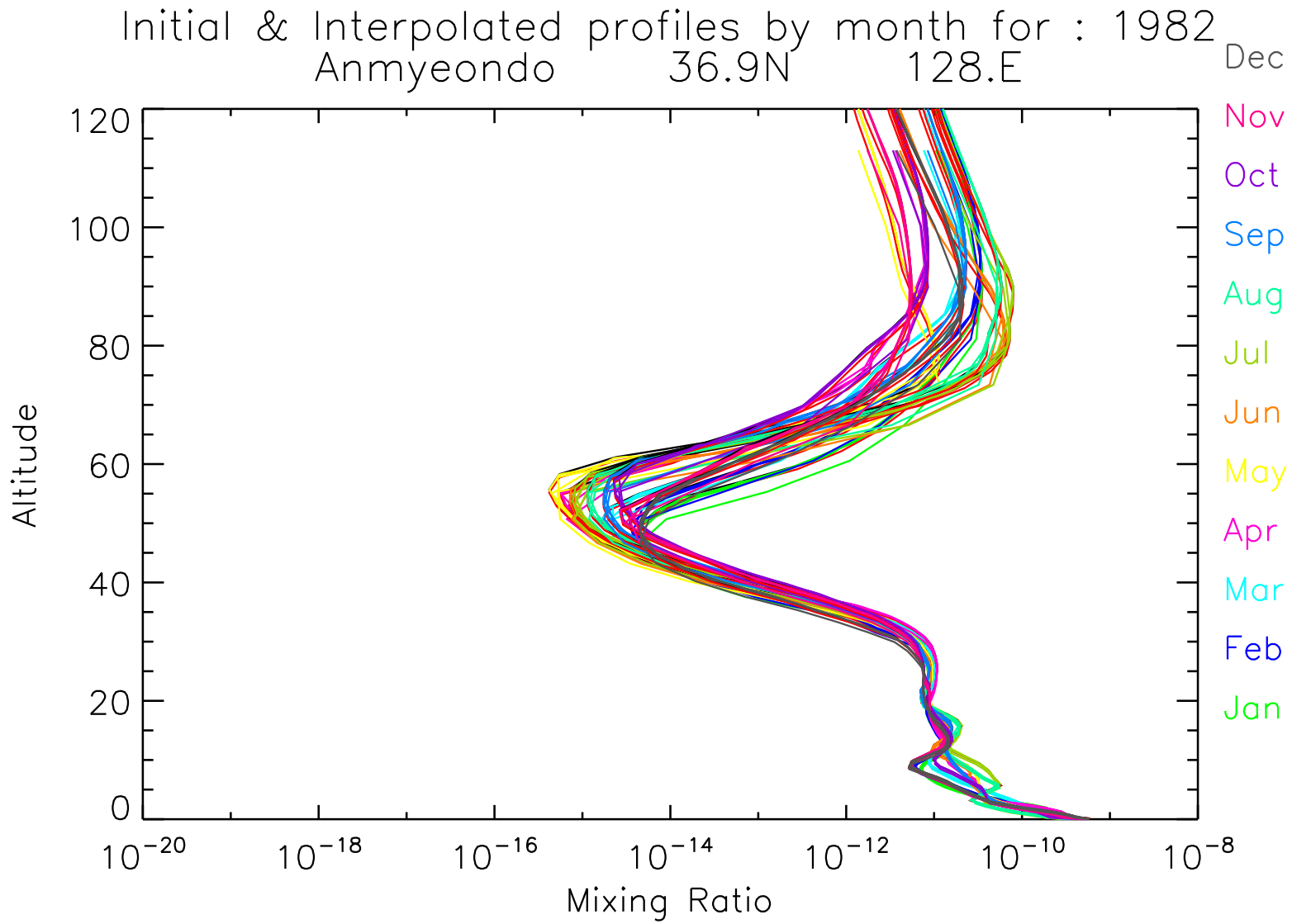
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Anmyeondo 36.9N 128.E
Dec
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Apr
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Feb
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Altitude
120
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10^{-20}
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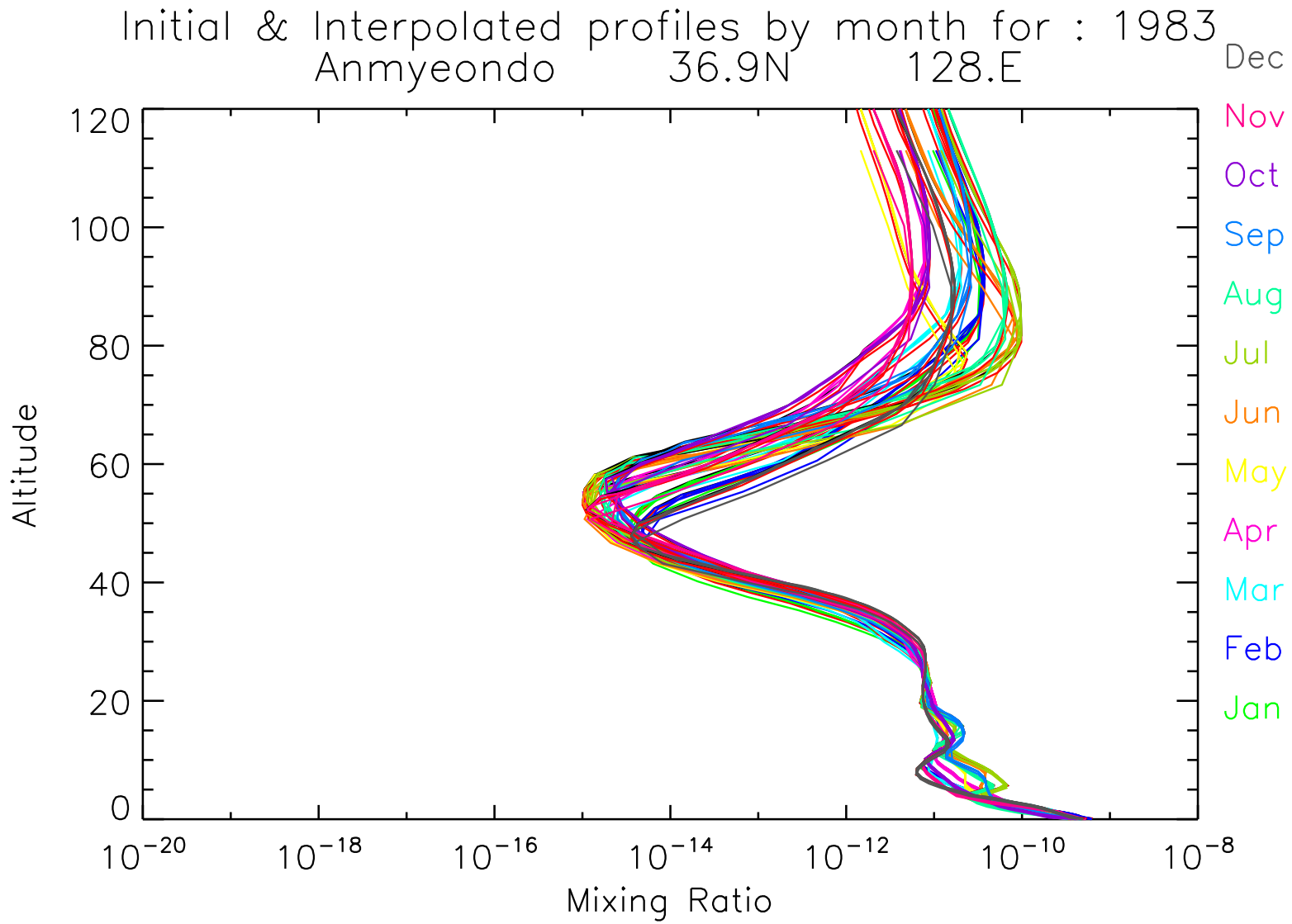
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Anmyeondo 36.9N 128.E
Dec
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Altitude
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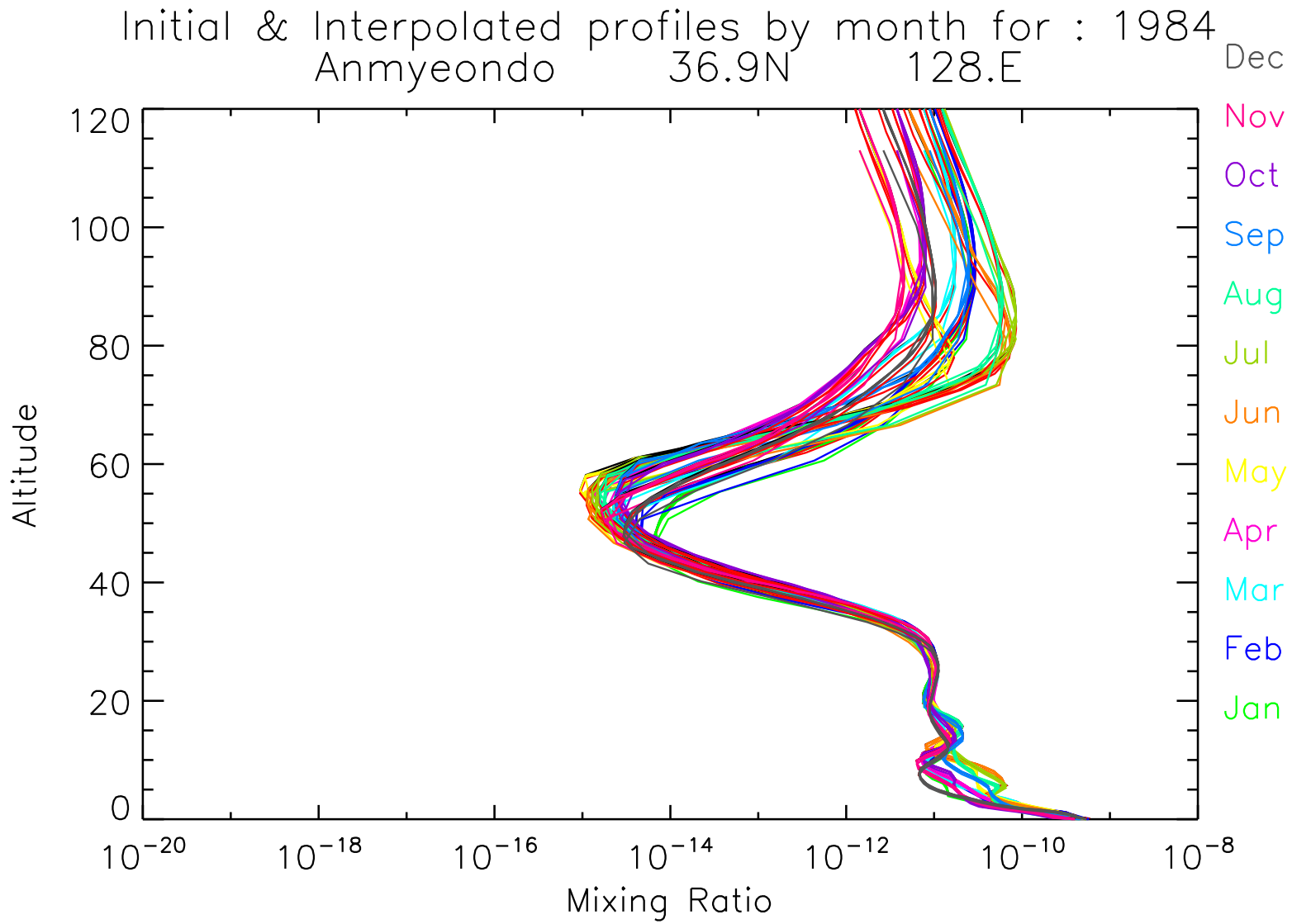
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Anmyeondo 36.9N 128.E
Dec
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Altitude
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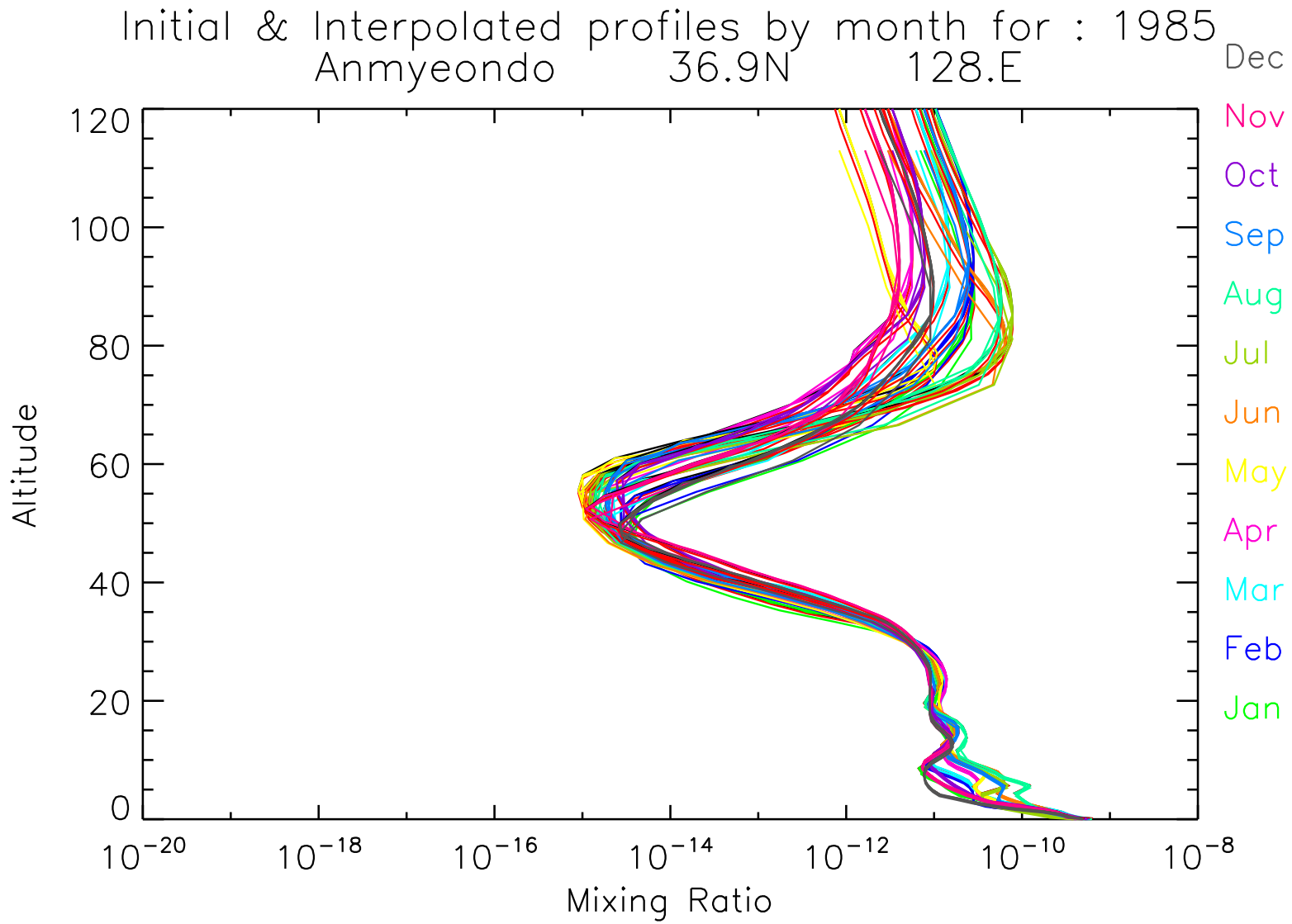
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Anmyeondo 36.9N 128.E
Dec
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Altitude
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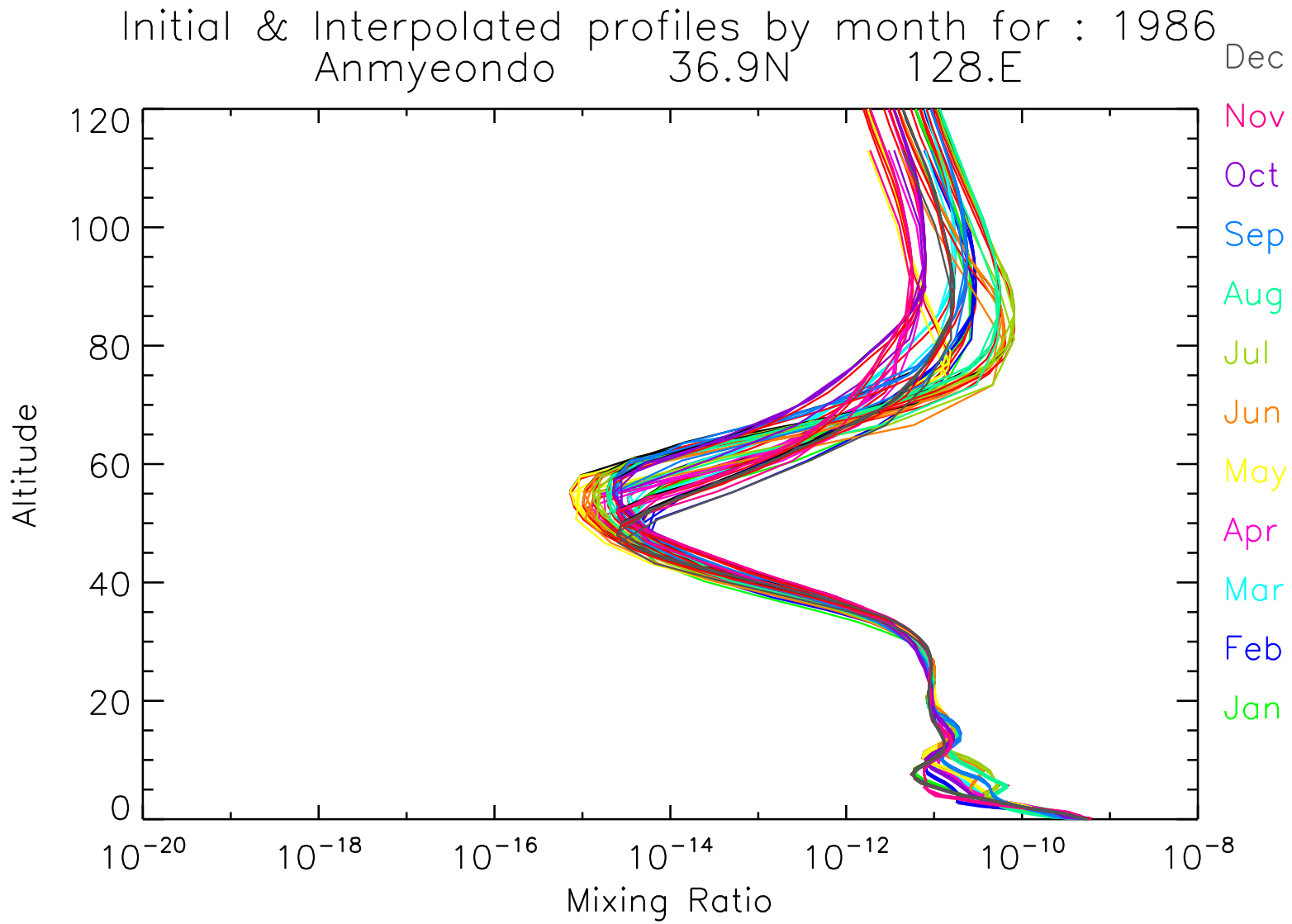
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
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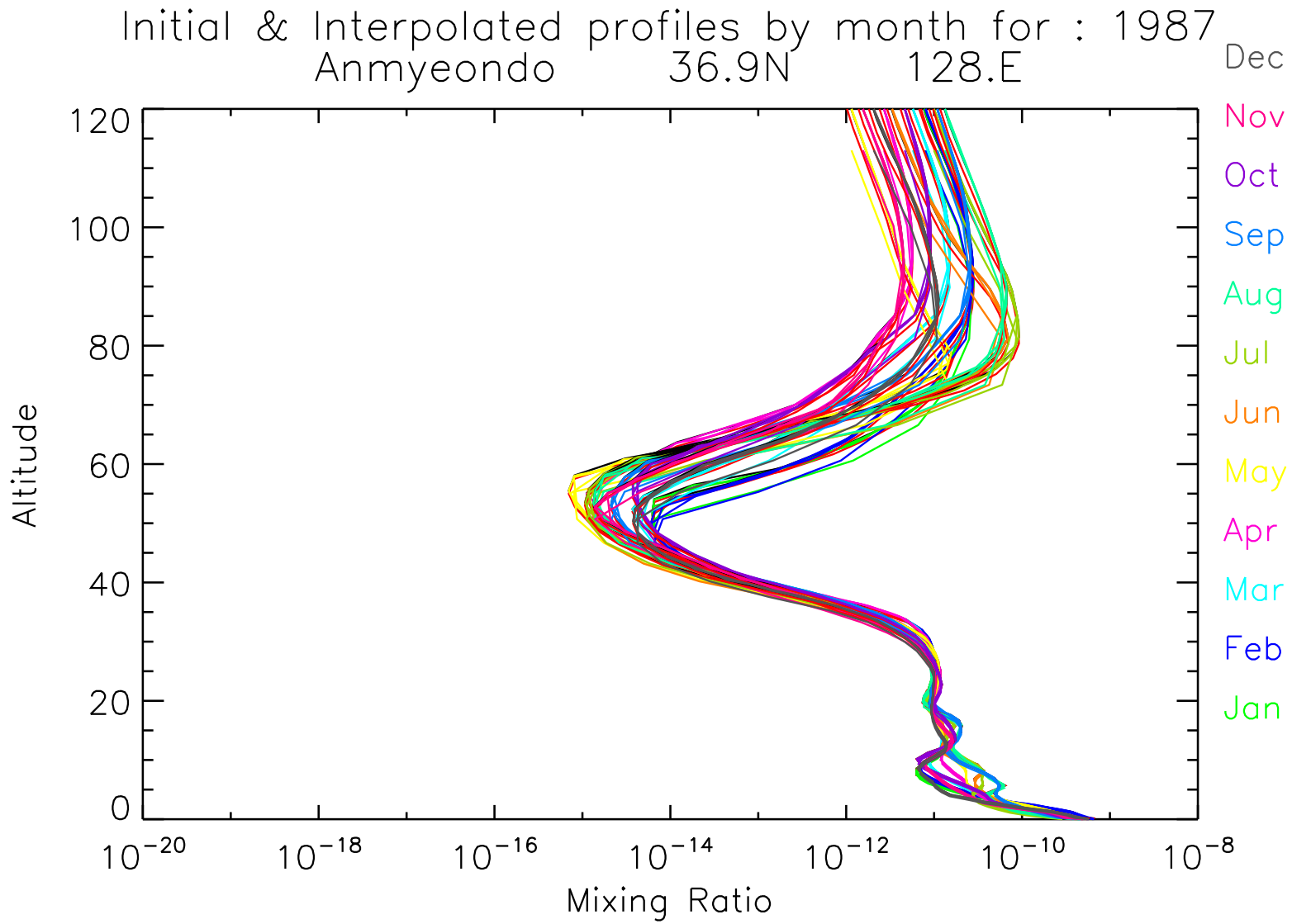
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
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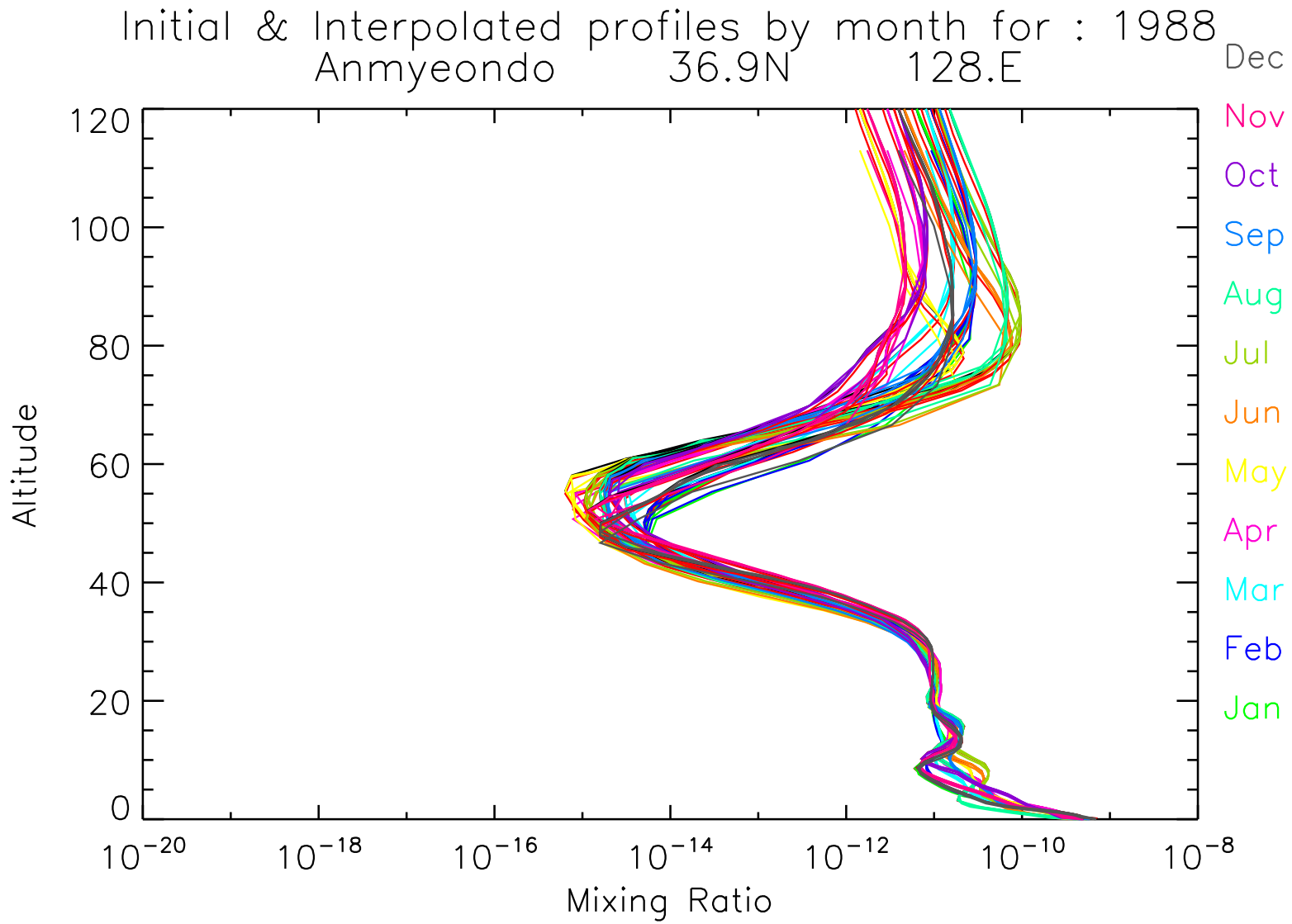
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Anmyeondo 36.9N 128.E
Dec
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Altitude
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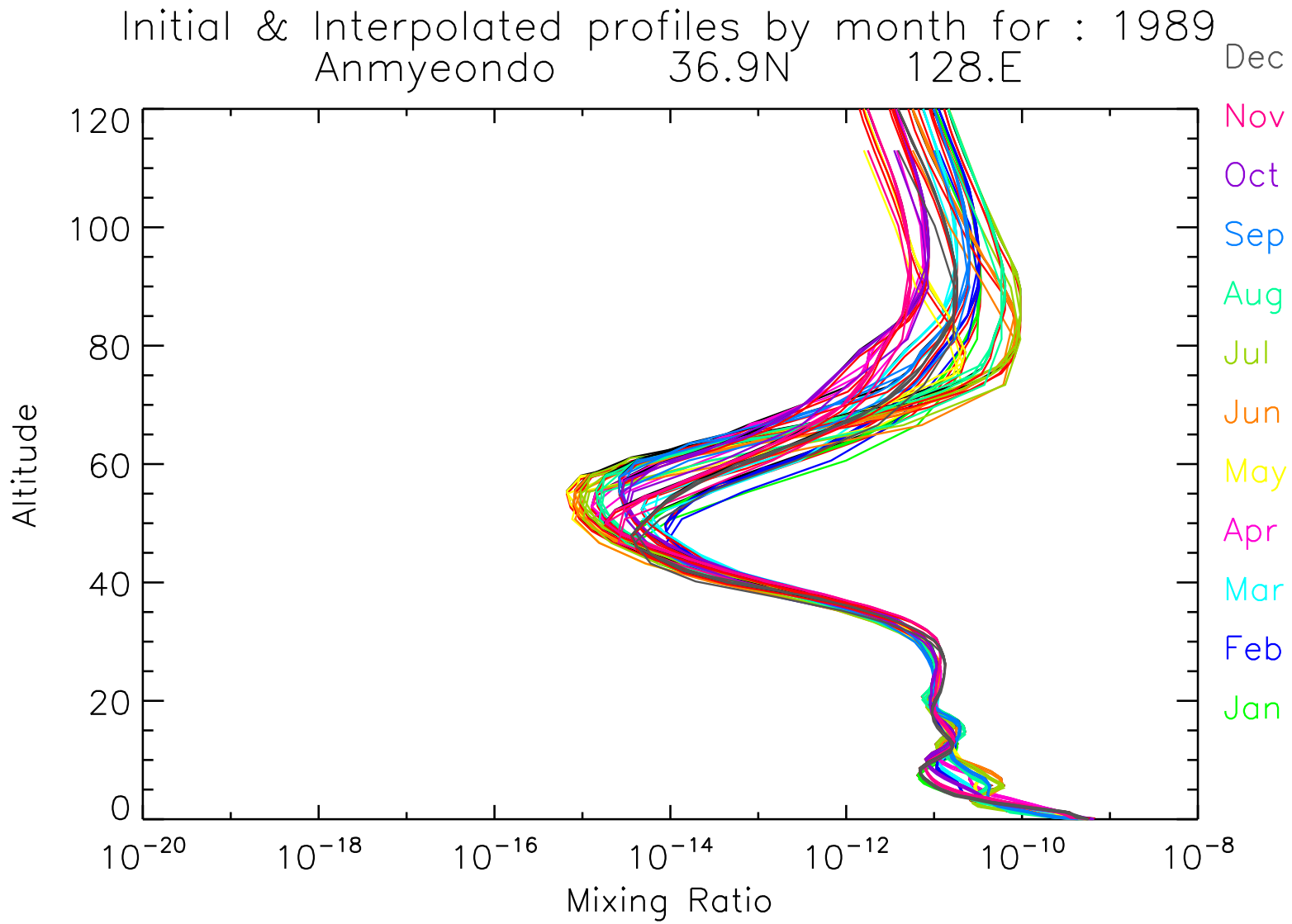
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Anmyeondo 36.9N 128.E
Dec
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Altitude
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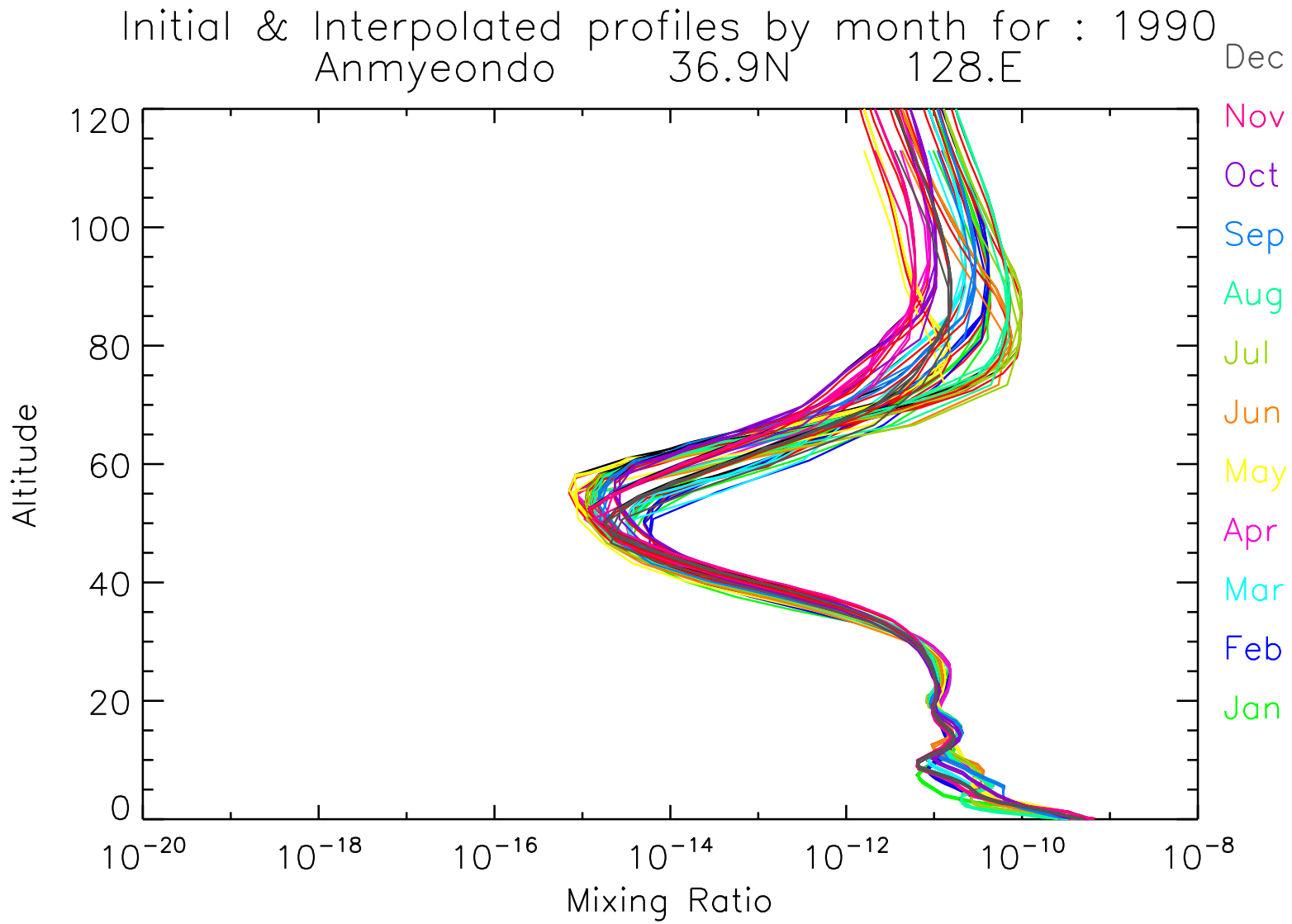
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Anmyeondo 36.9N 128.E
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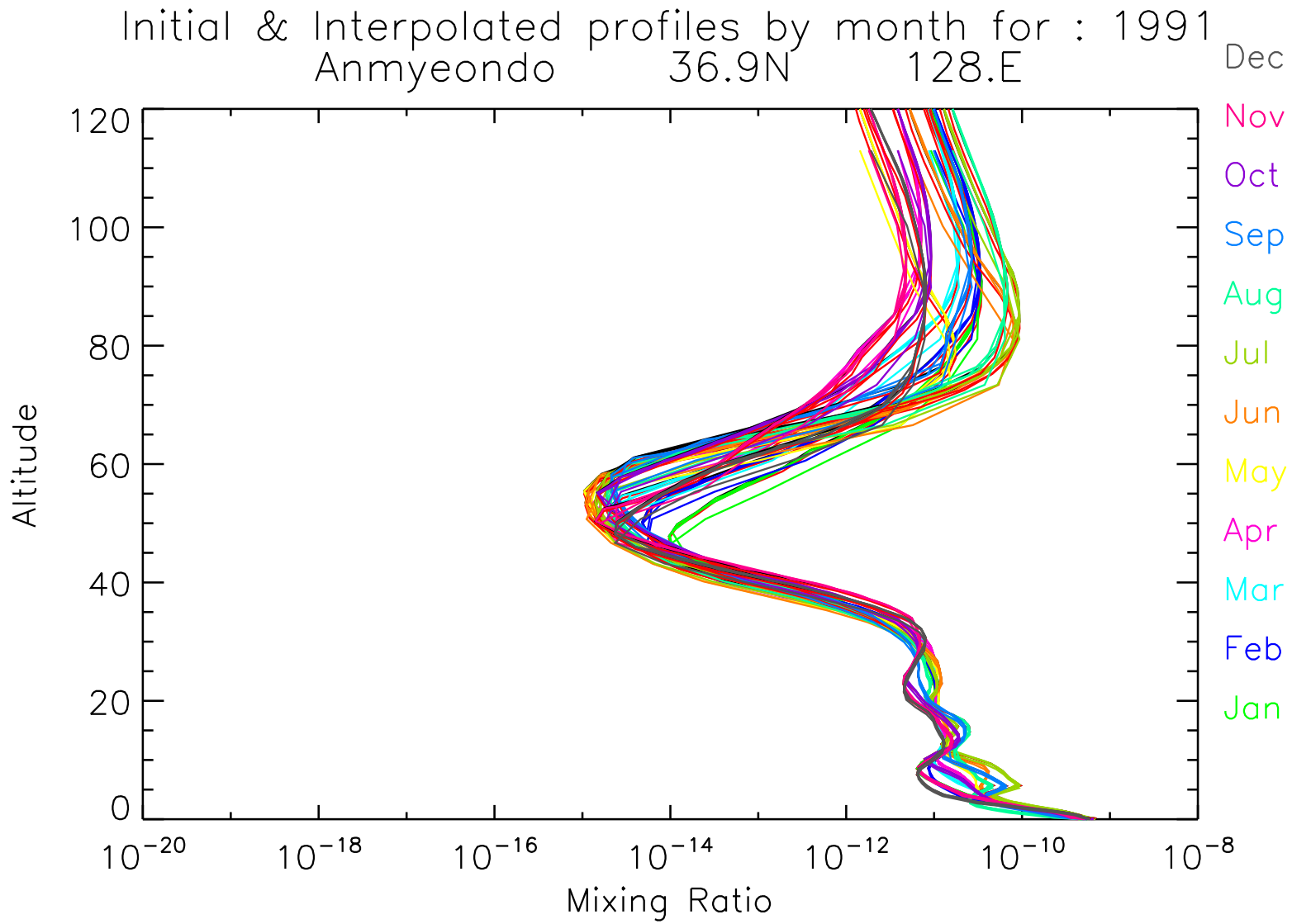
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Anmyeondo 36.9N 128.E
Dec
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Altitude
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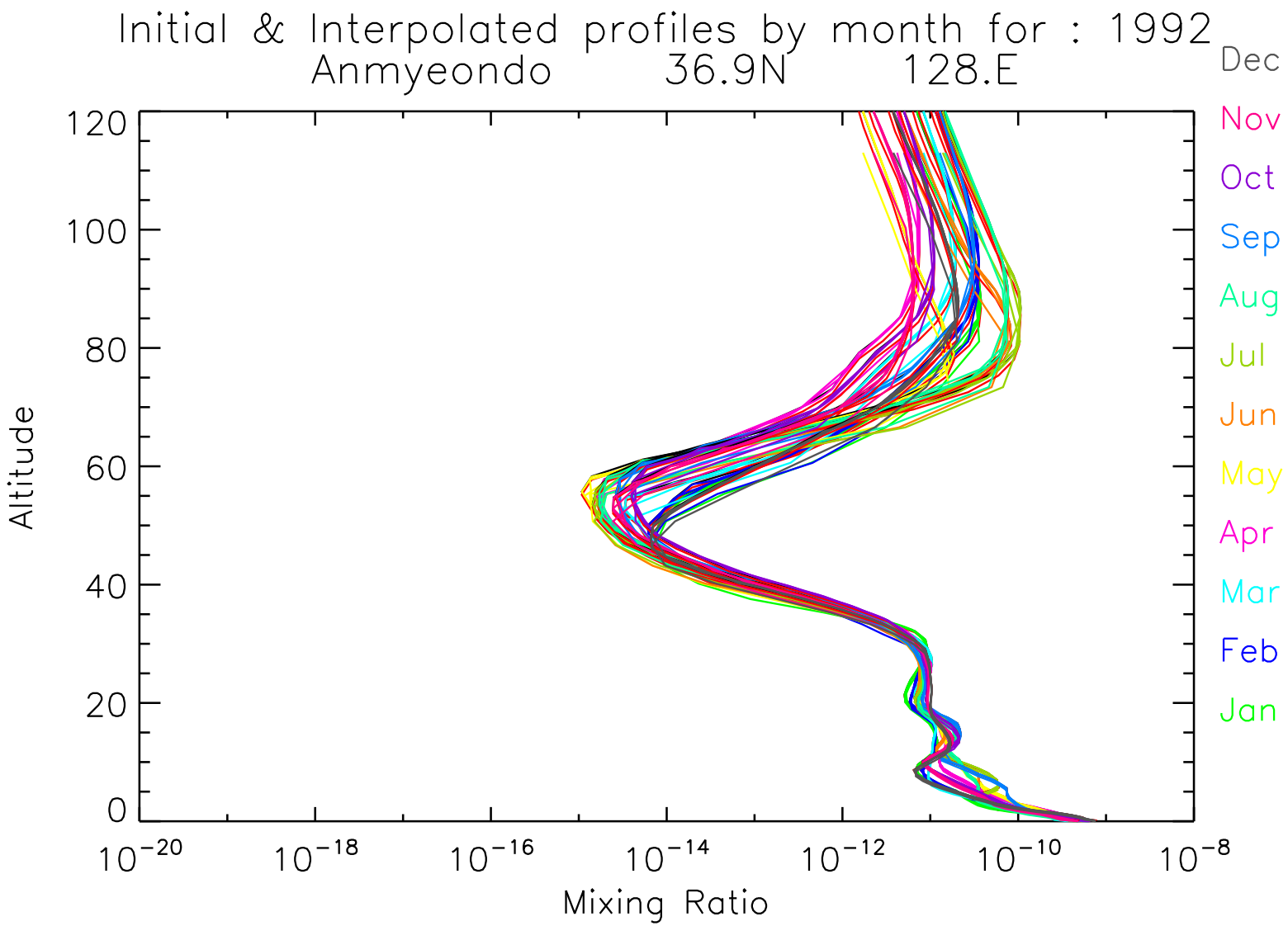
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Anmyeondo 36.9N 128.E
Dec
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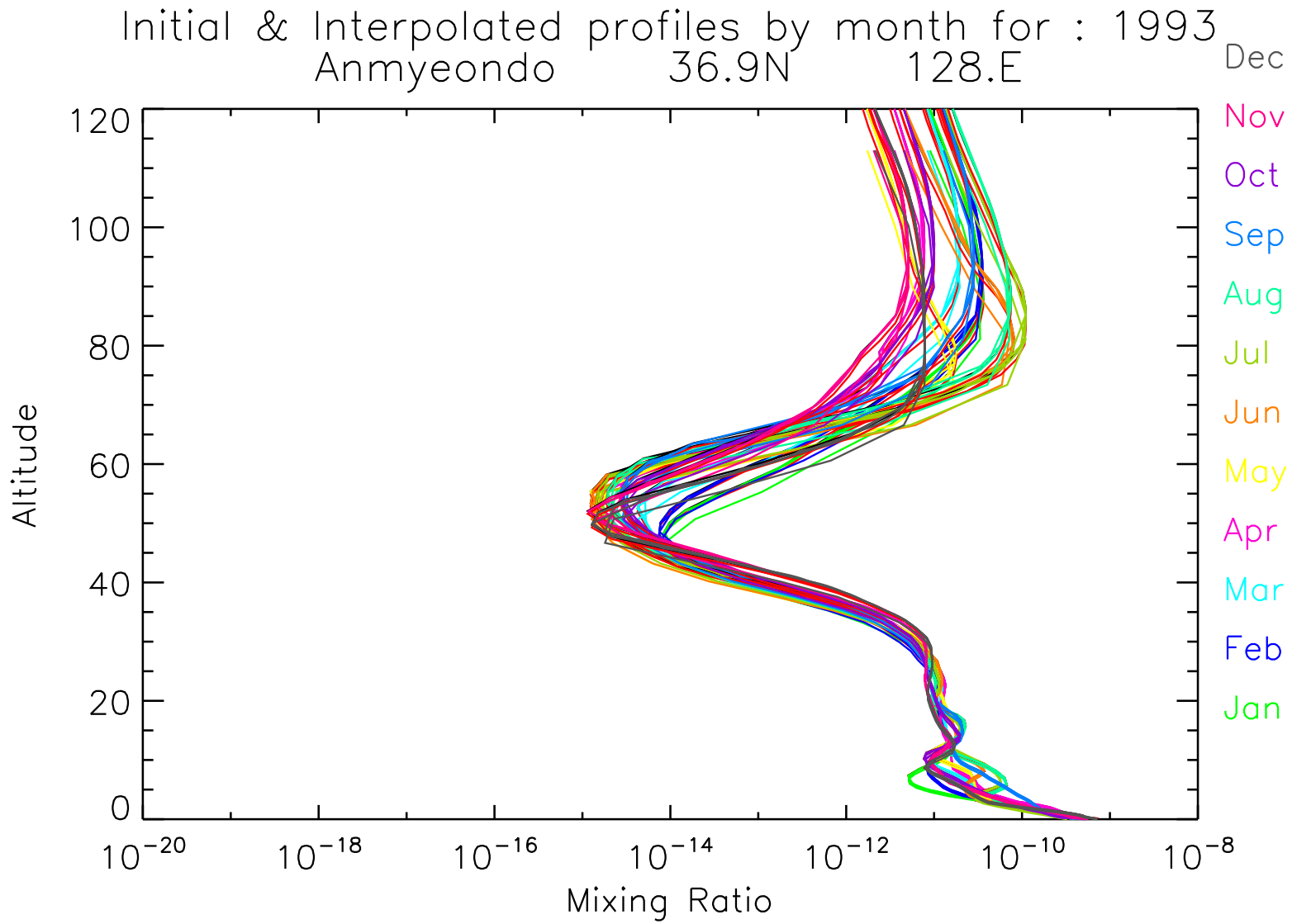
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Anmyeondo 36.9N 128.E
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Altitude
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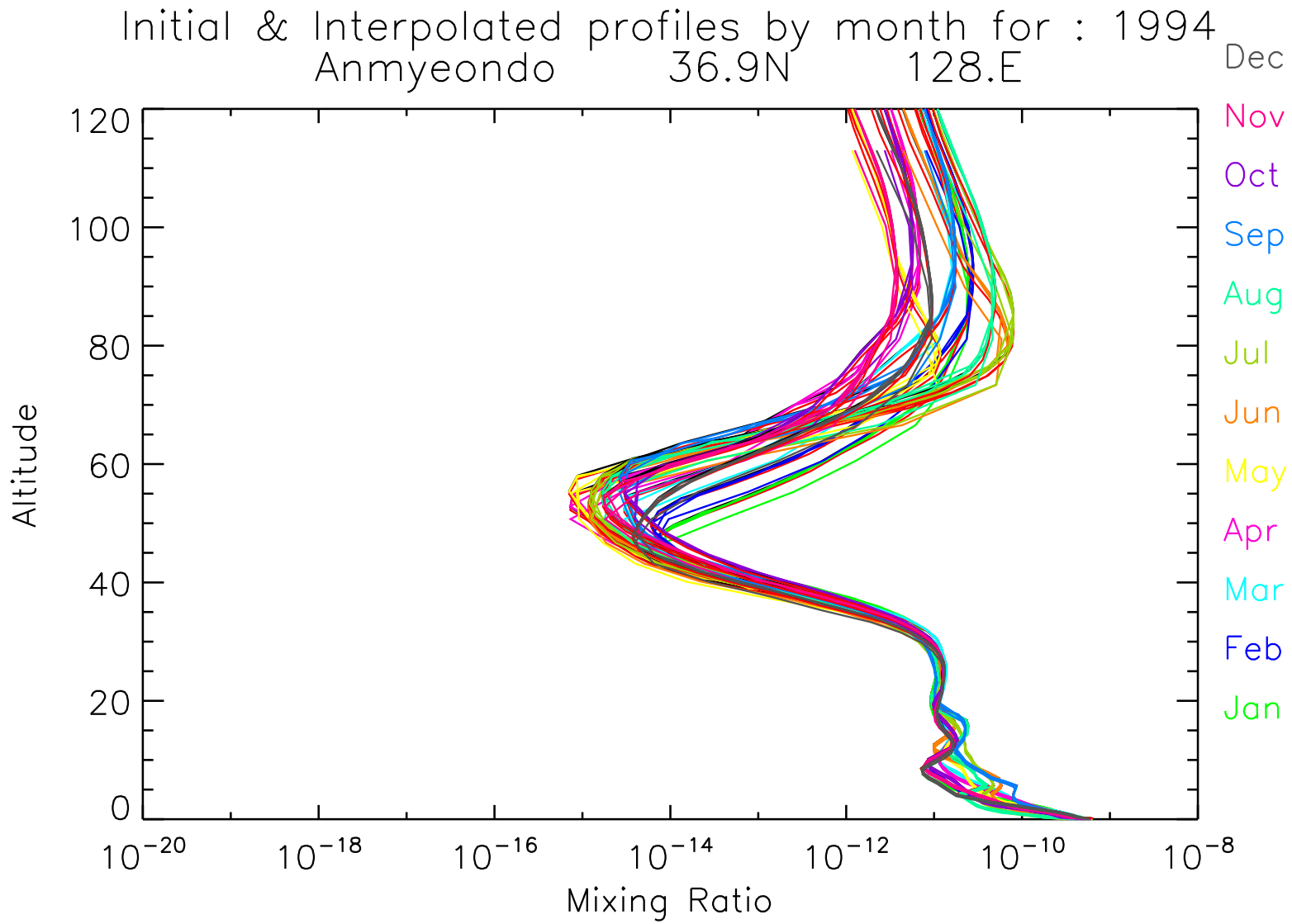
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Anmyeondo 36.9N 128.E
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Altitude
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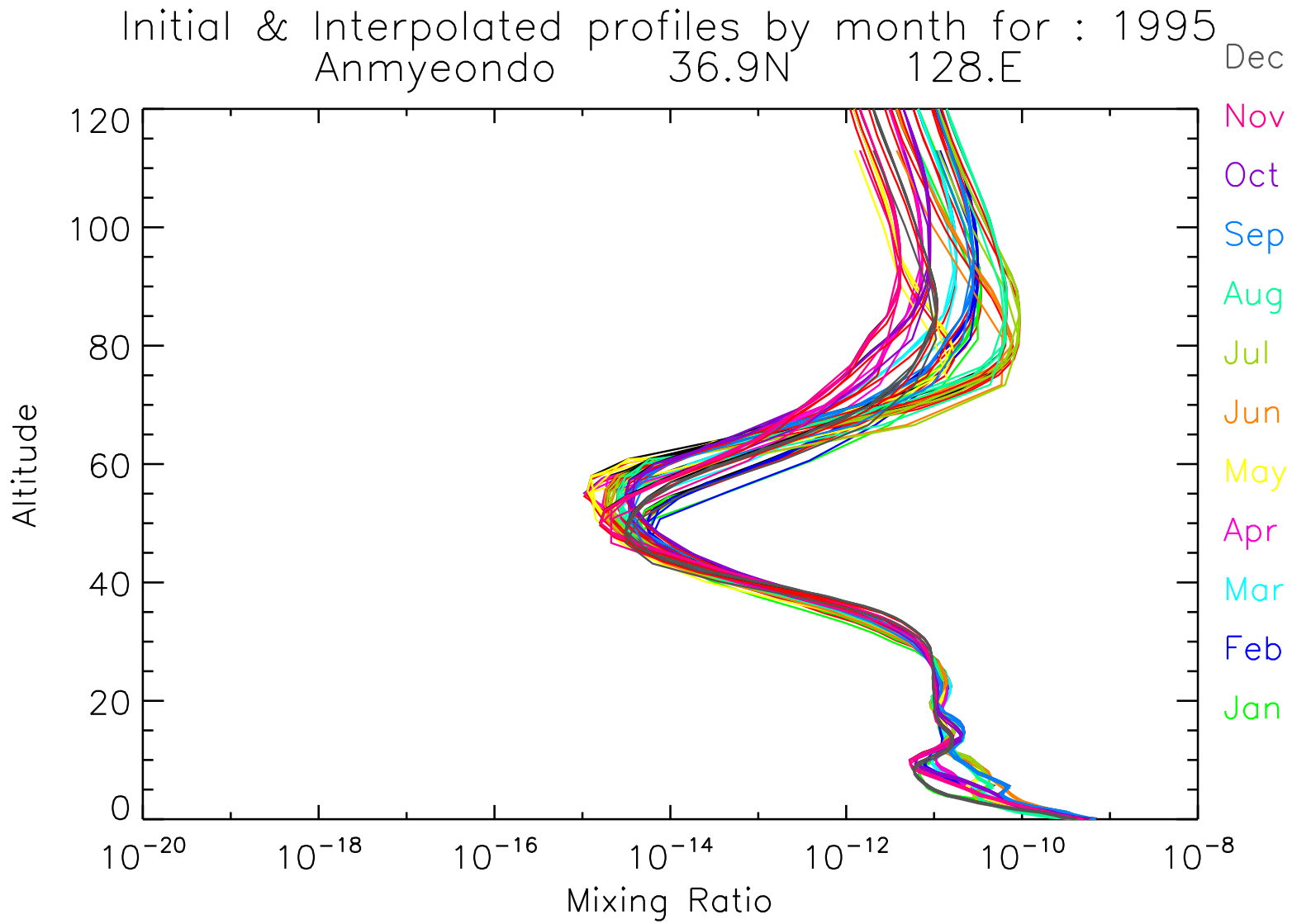
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Anmyeondo 36.9N 128.E
Dec
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Altitude
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10^{-12}
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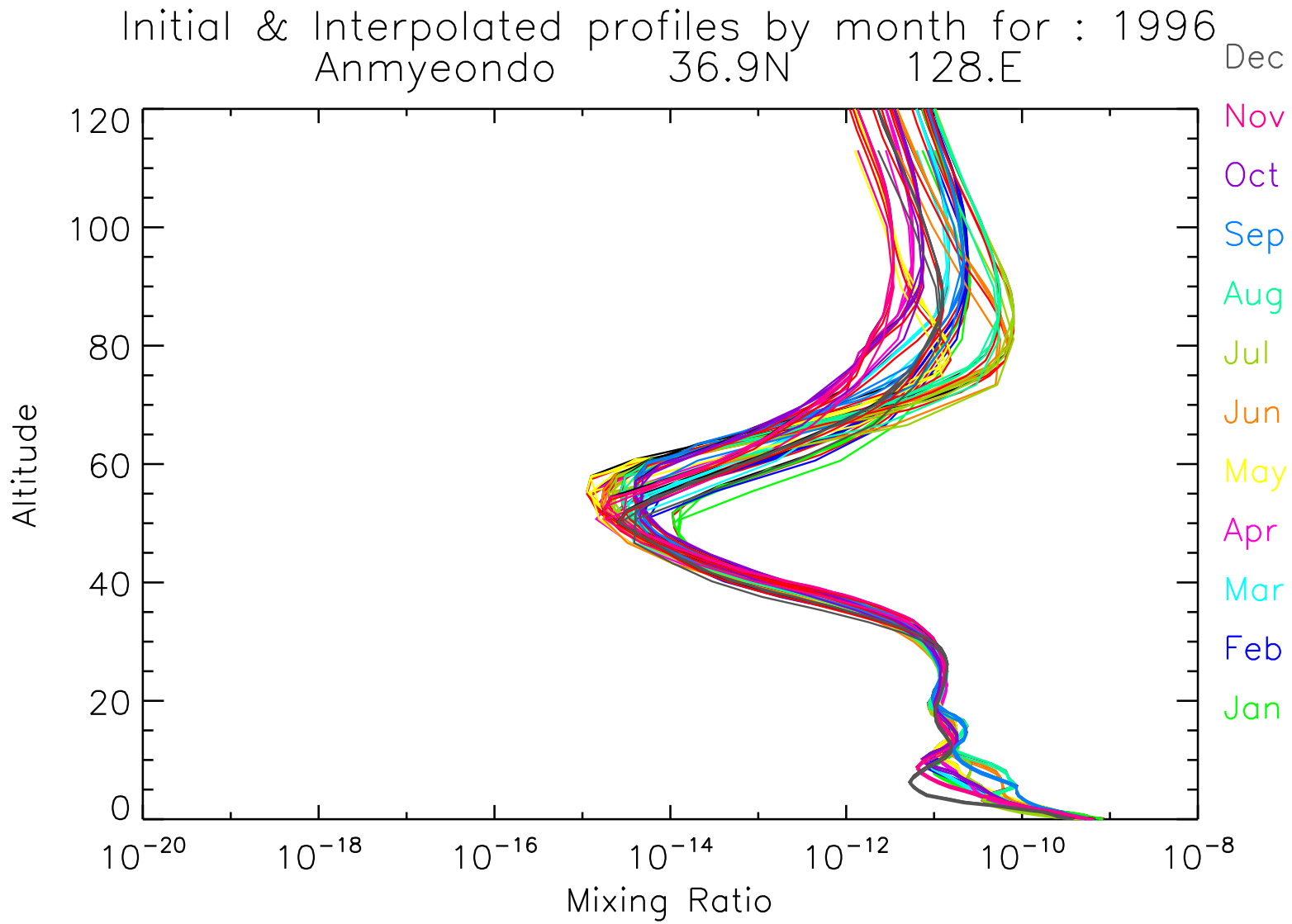
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Anmyeondo 36.9N 128.E
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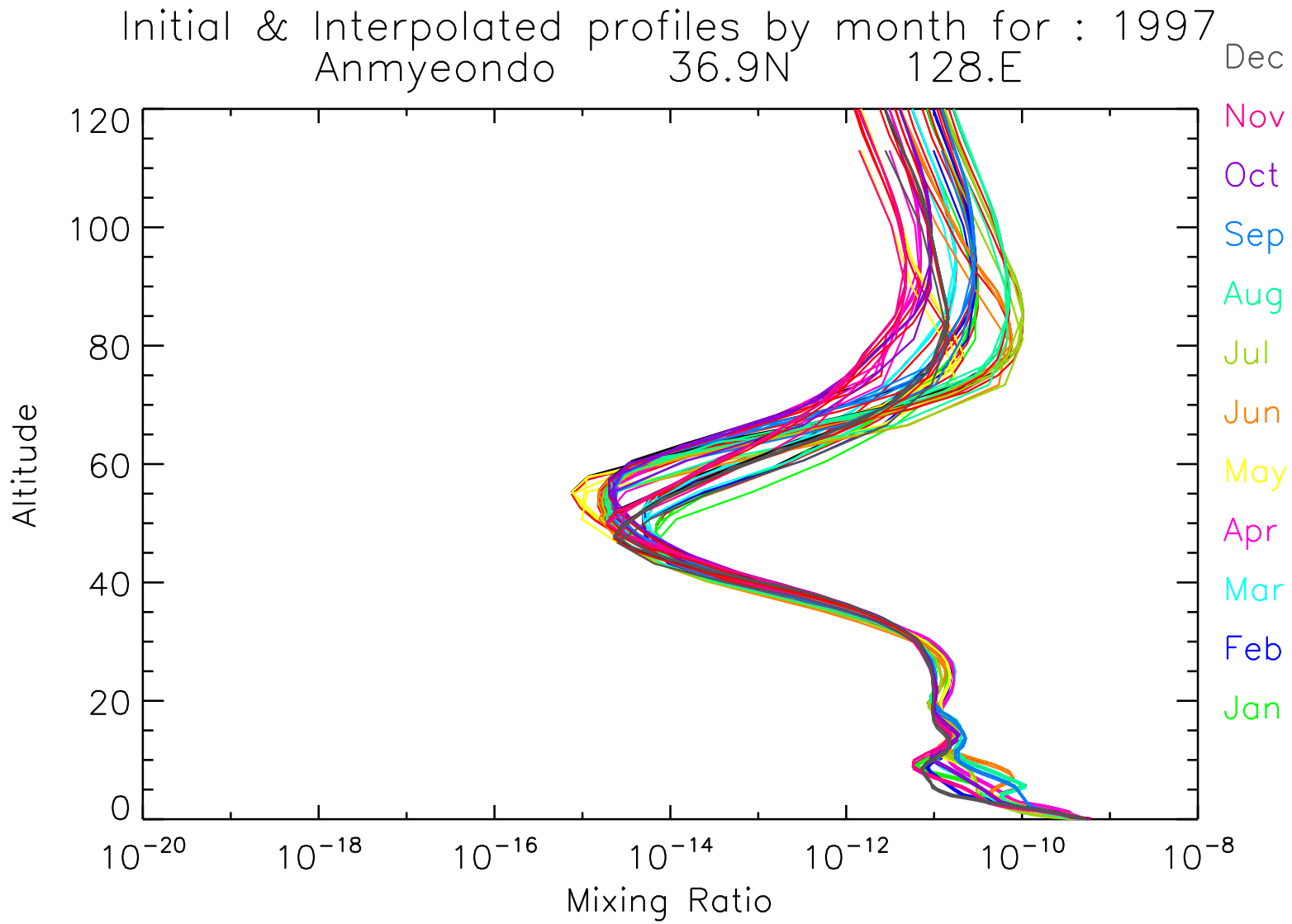
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Anmyeondo 36.9N 128.E
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Altitude
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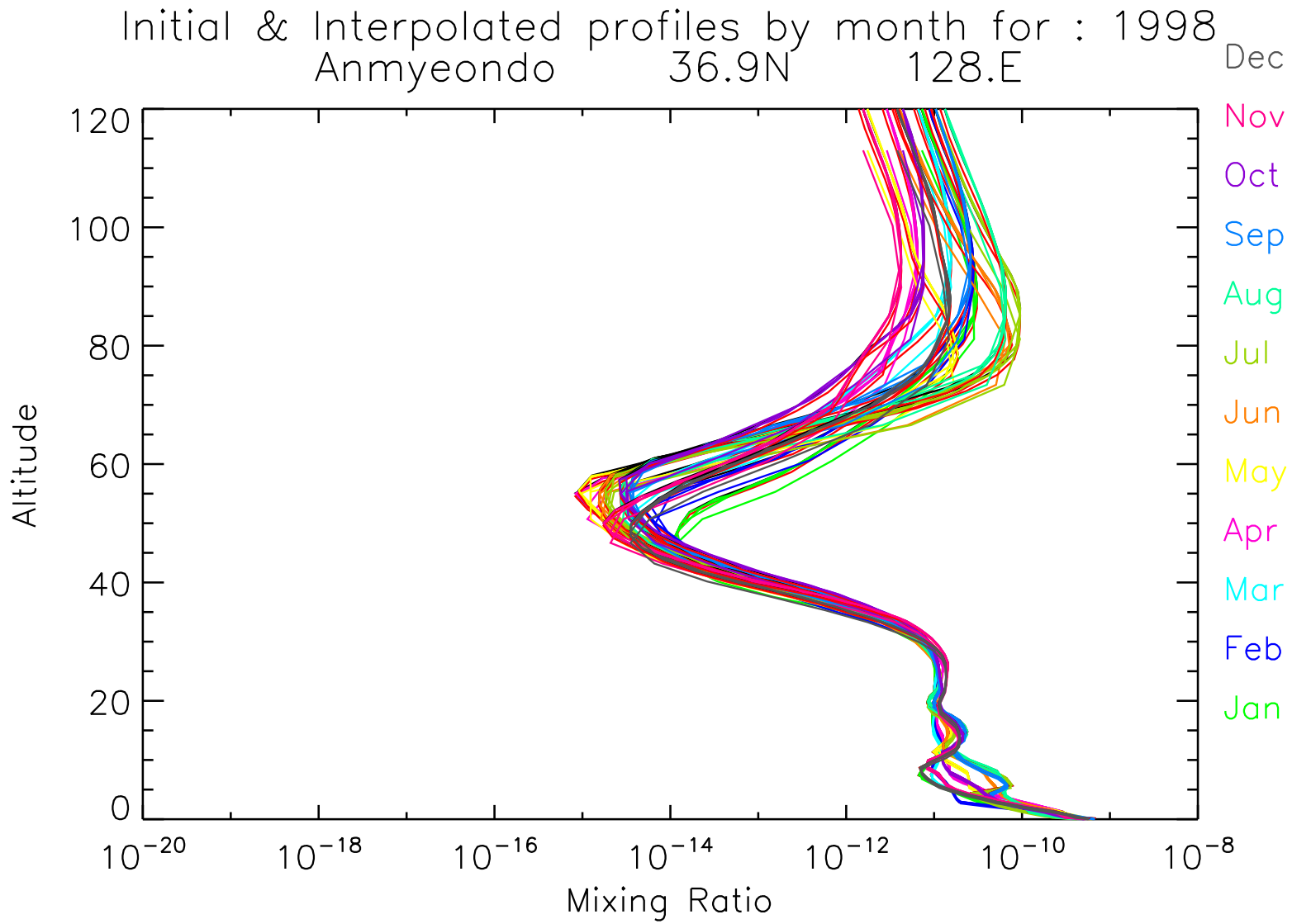
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Anmyeondo 36.9N 128.E
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Altitude
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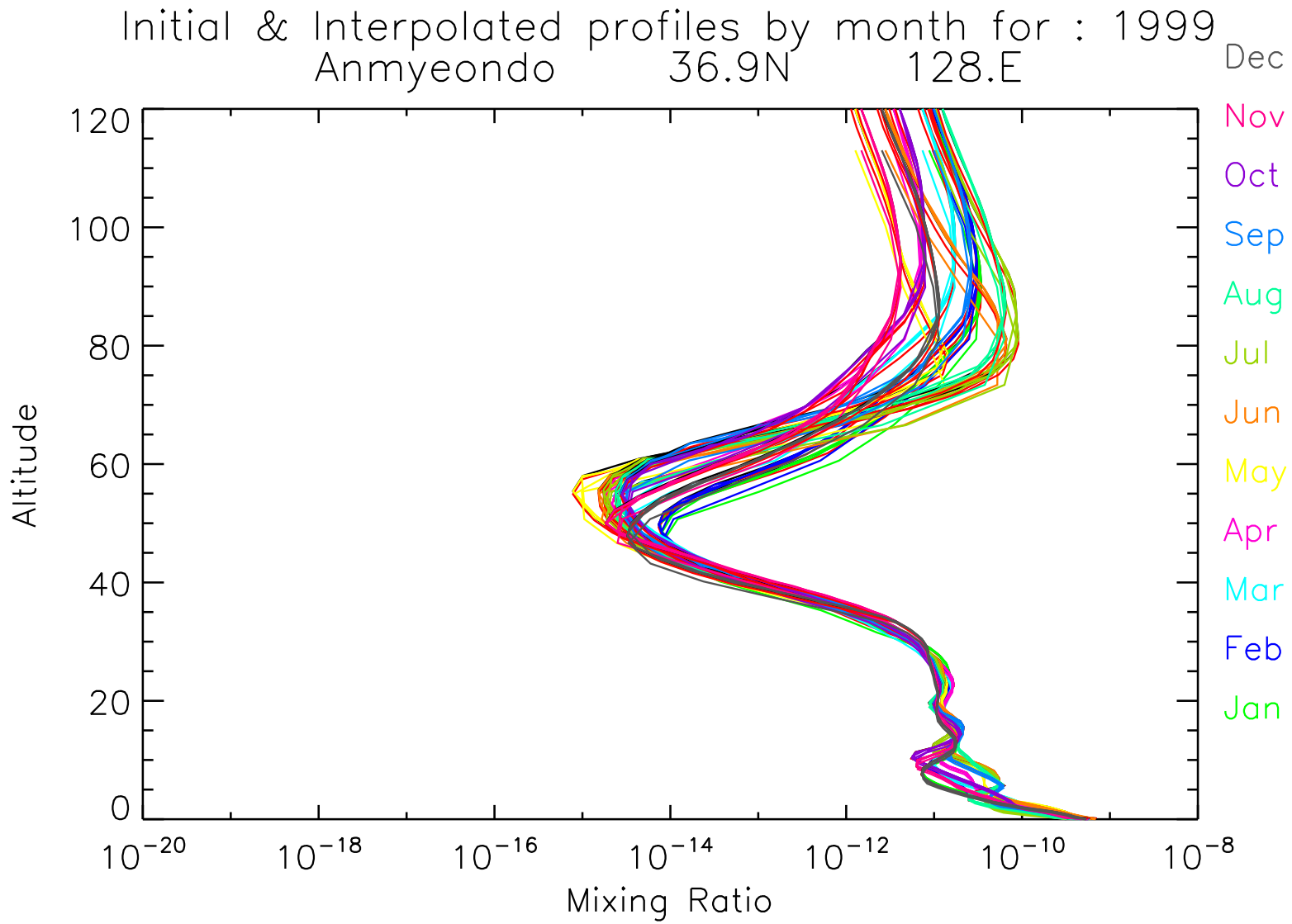
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Anmyeondo 36.9N 128.E
Dec
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Altitude
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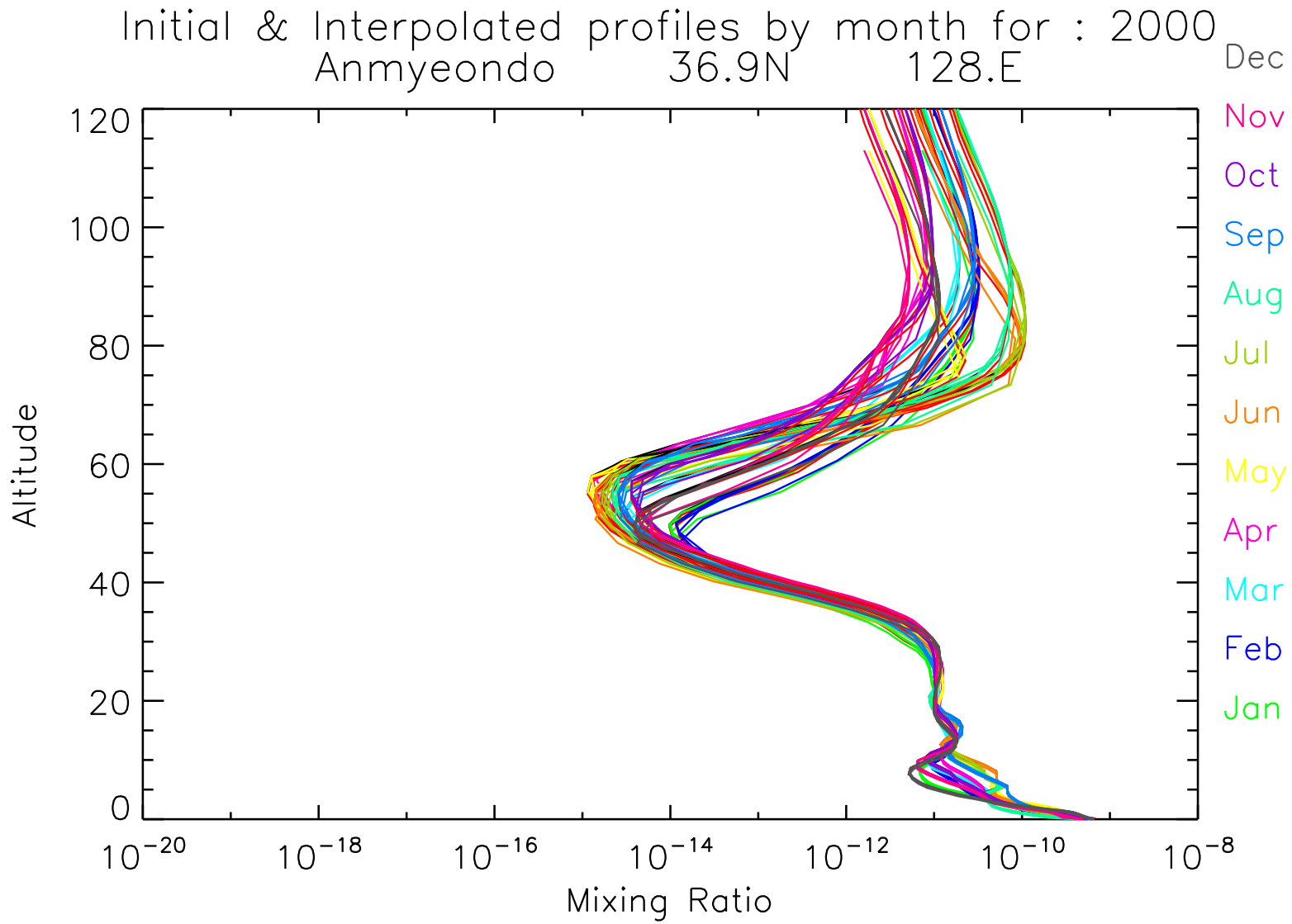
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Anmyeondo 36.9N 128.E
Dec
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Altitude
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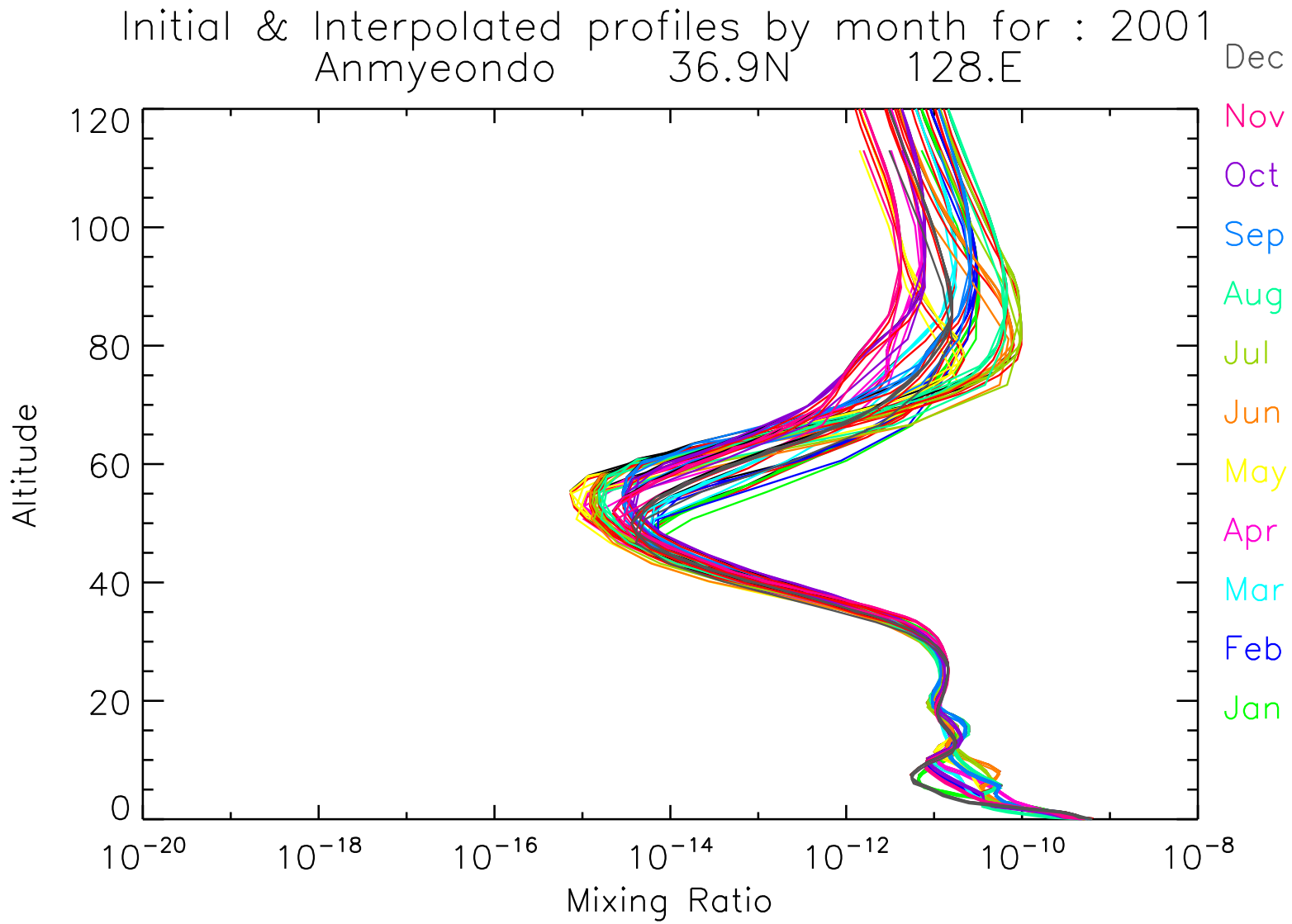
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
120
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10^{-20}
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10^{-16}
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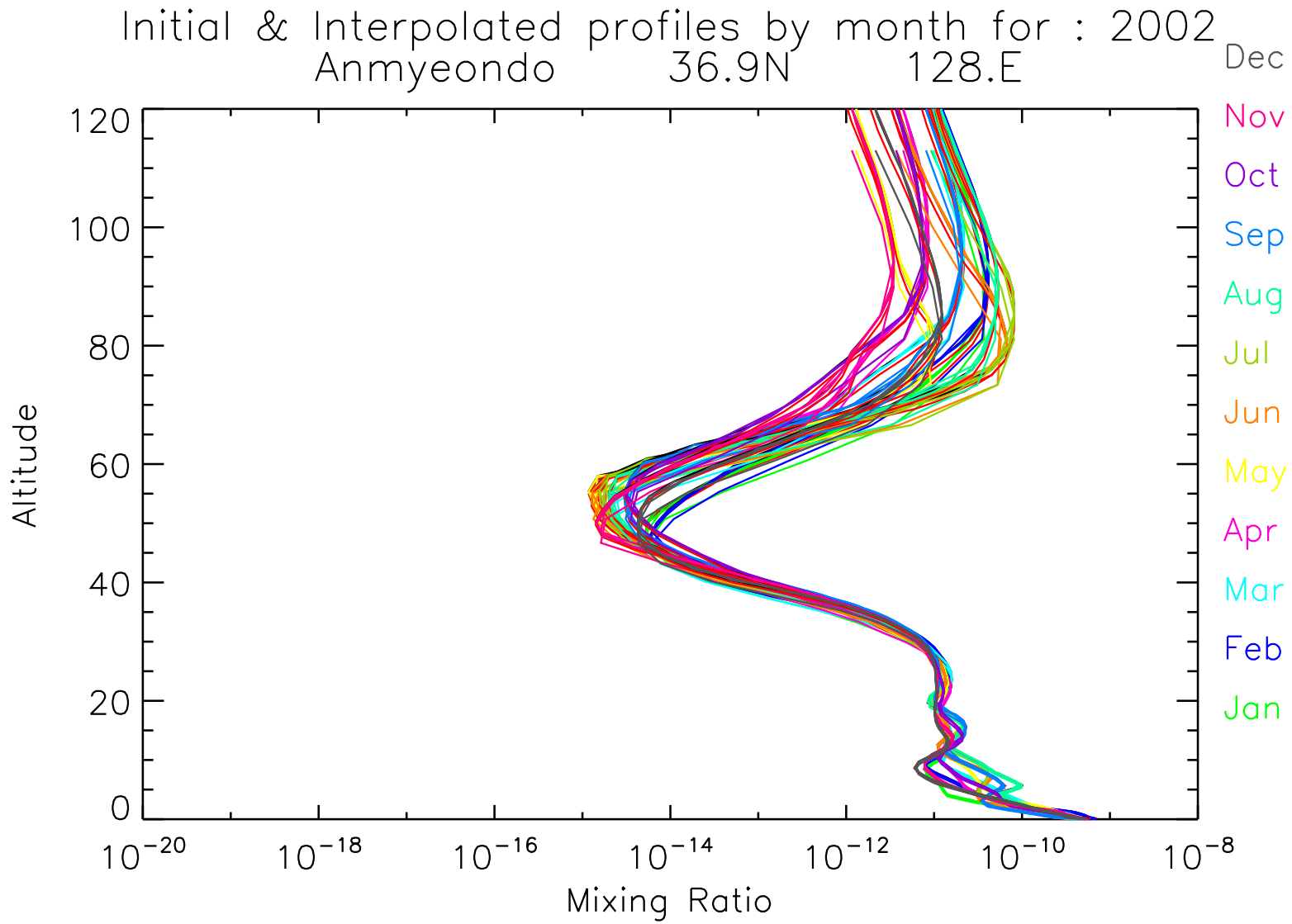
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
120
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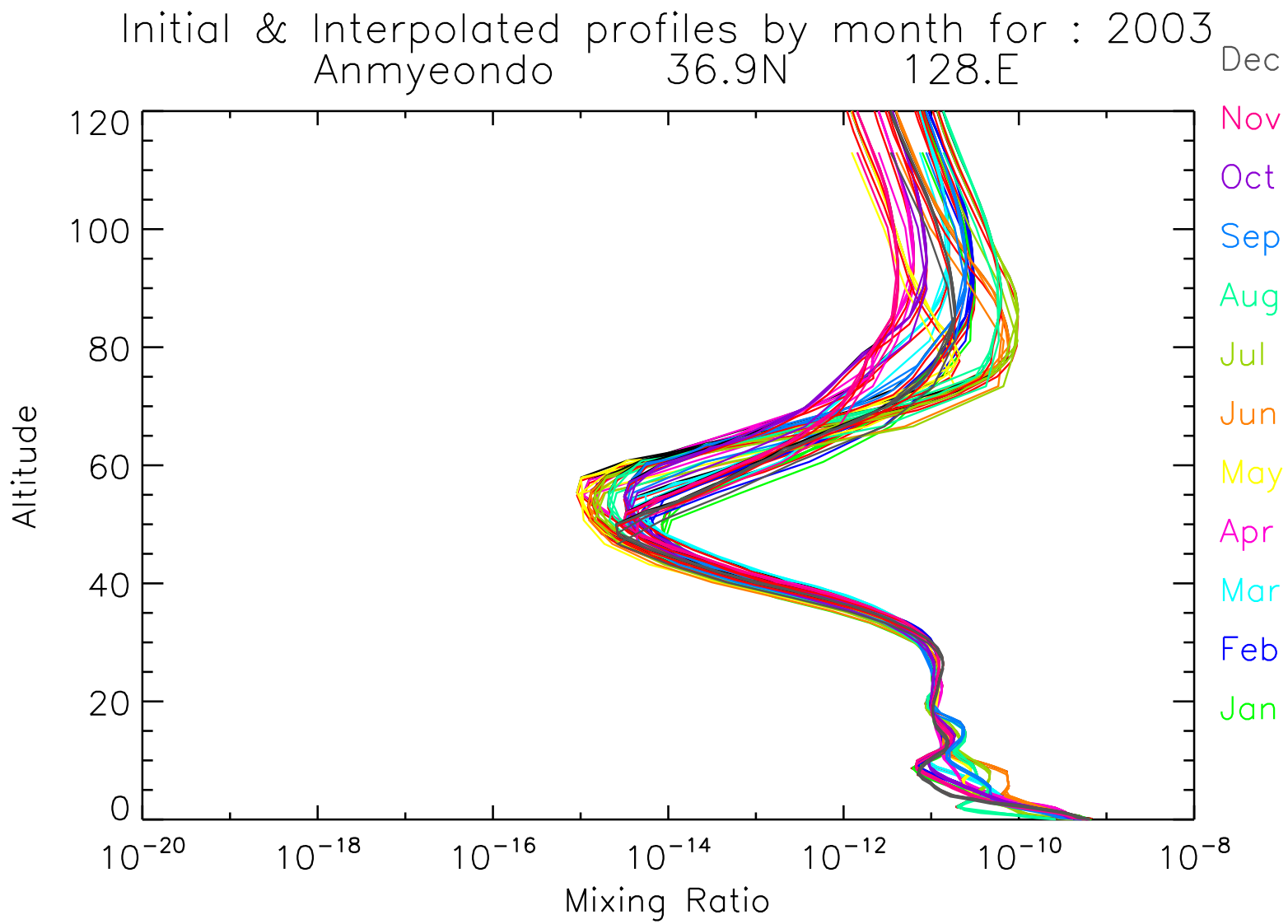
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Anmyeondo 36.9N 128.E
Dec
Nov
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120
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Altitude
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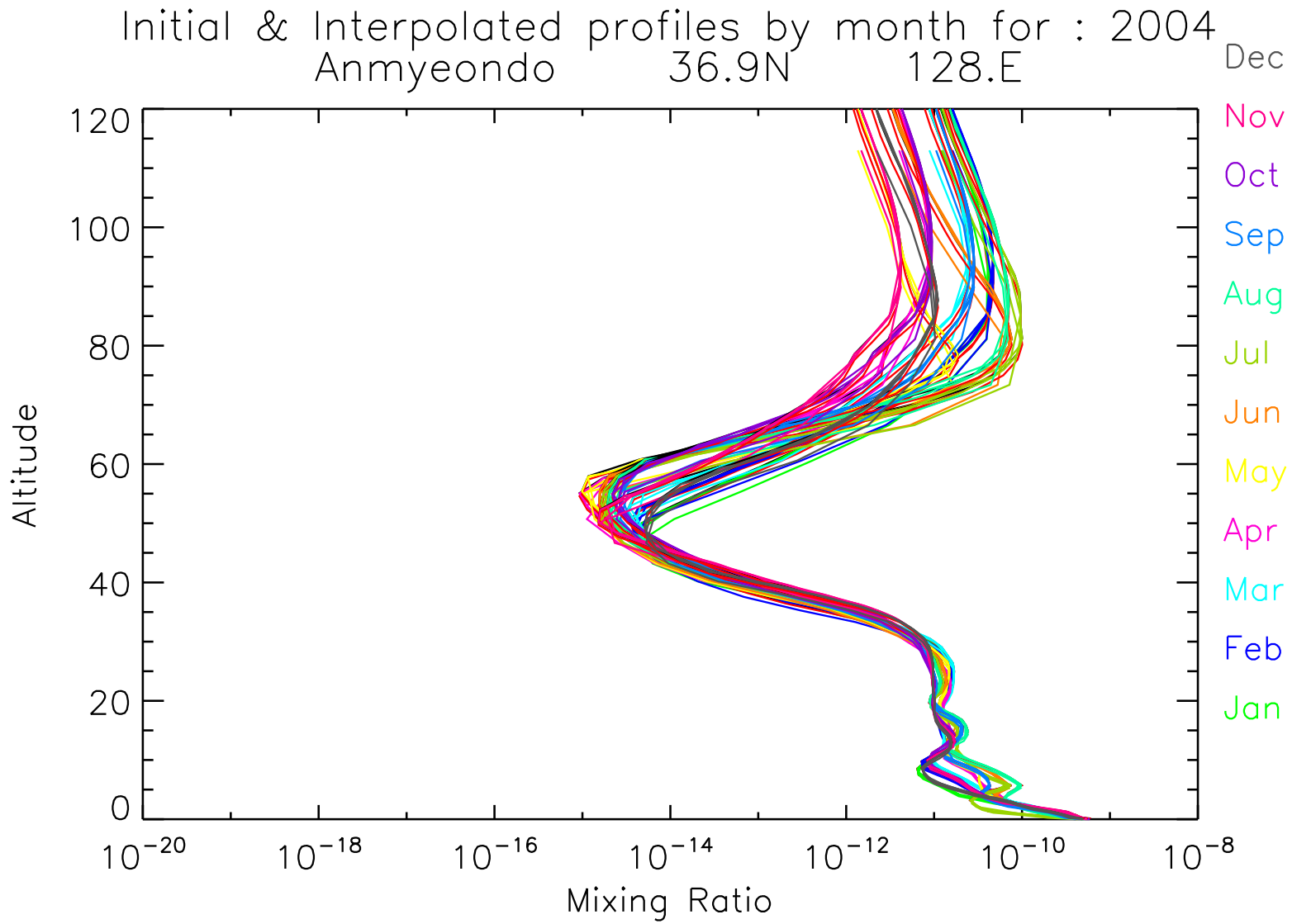
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
120
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10^{-20}
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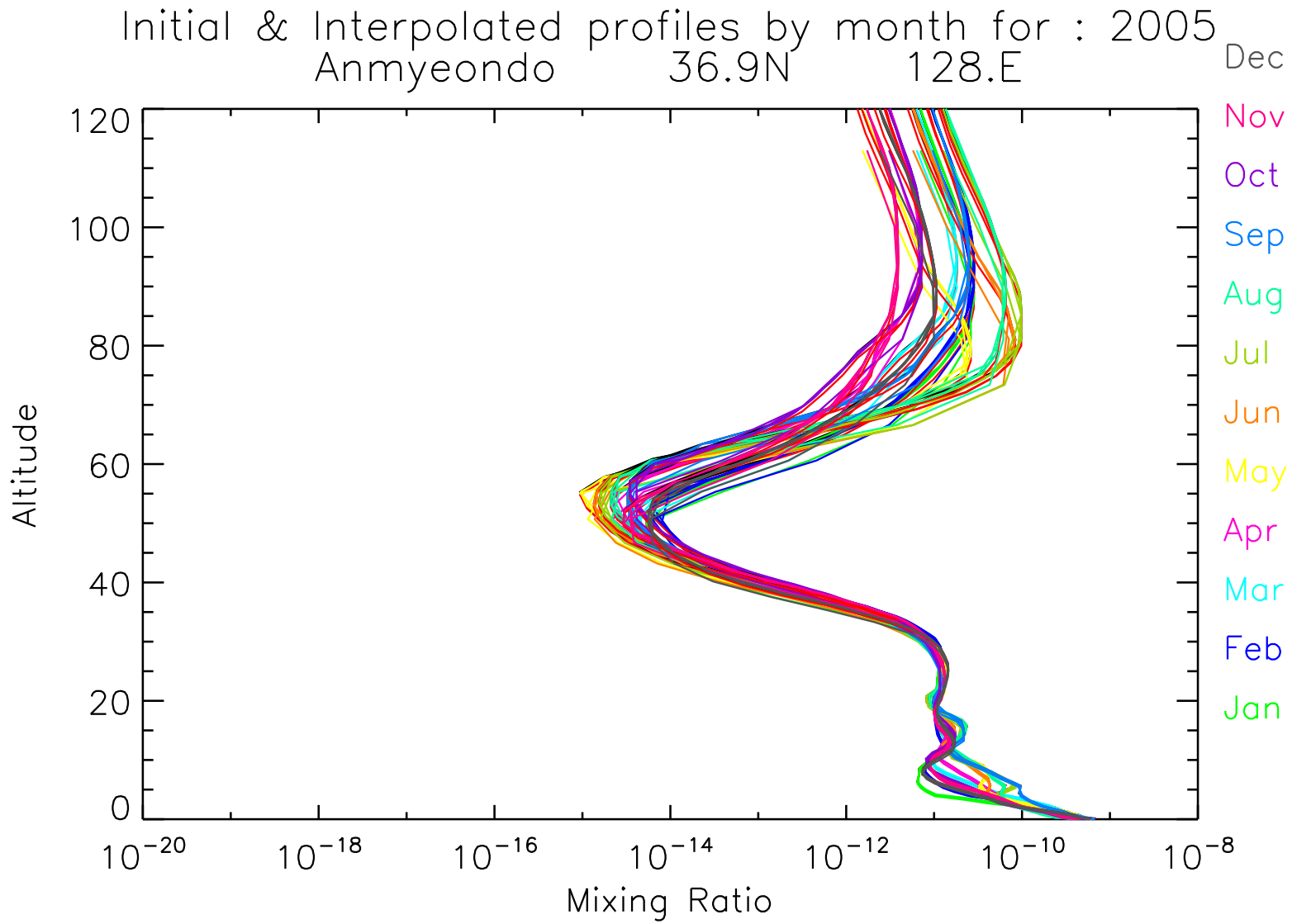
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
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10^{-20}
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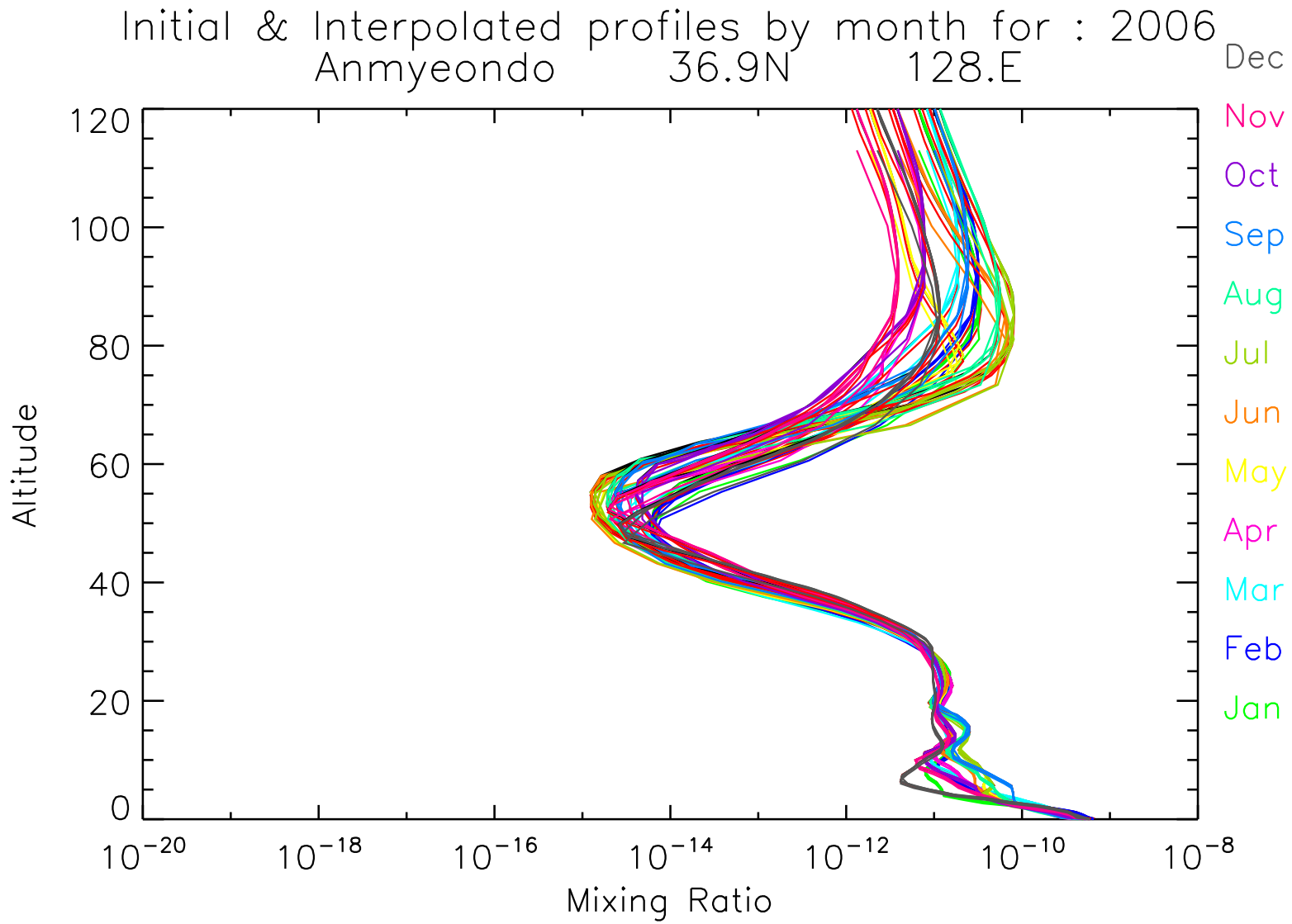
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
120
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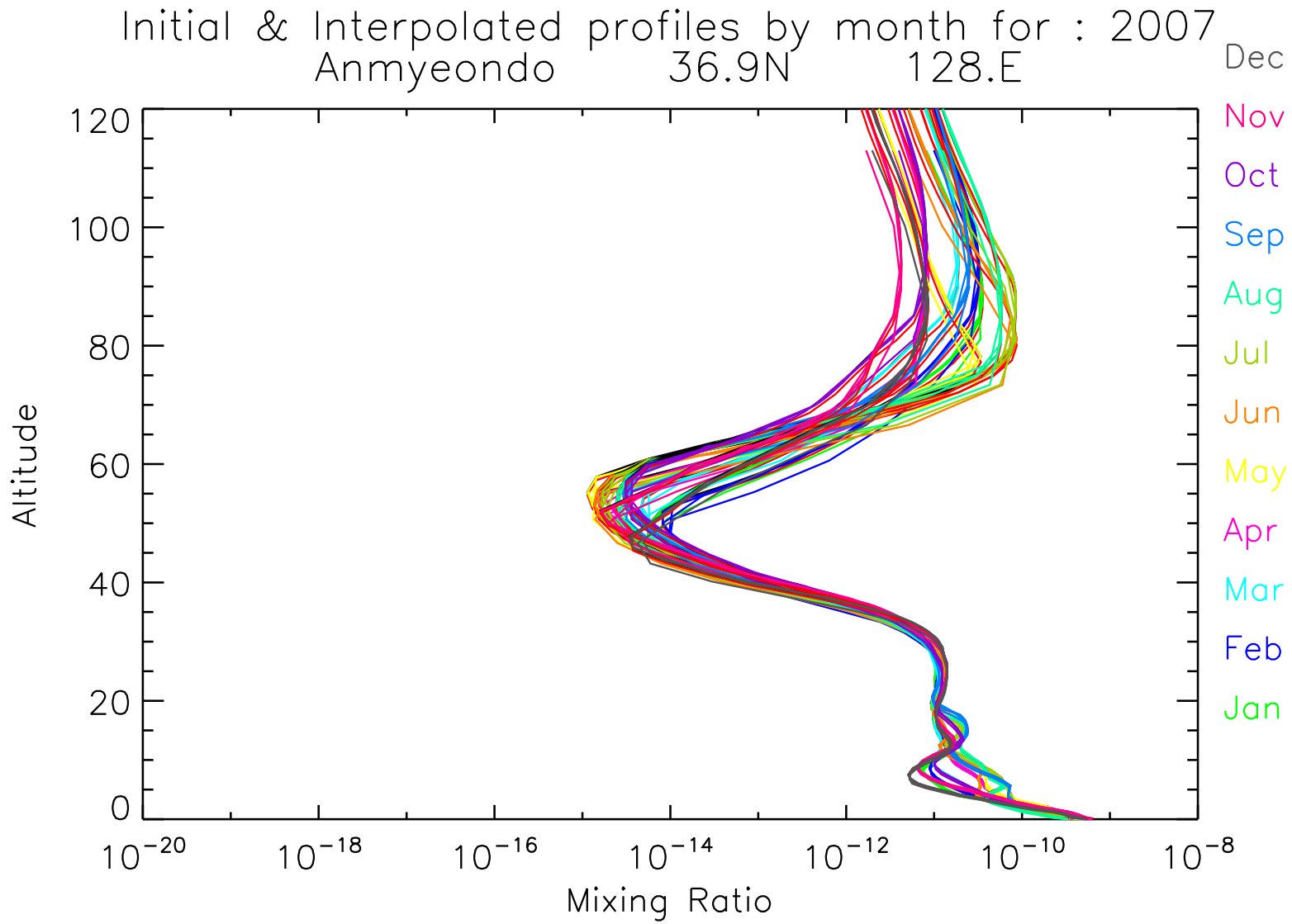
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Anmyeondo 36.9N 128.E
Dec
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Altitude
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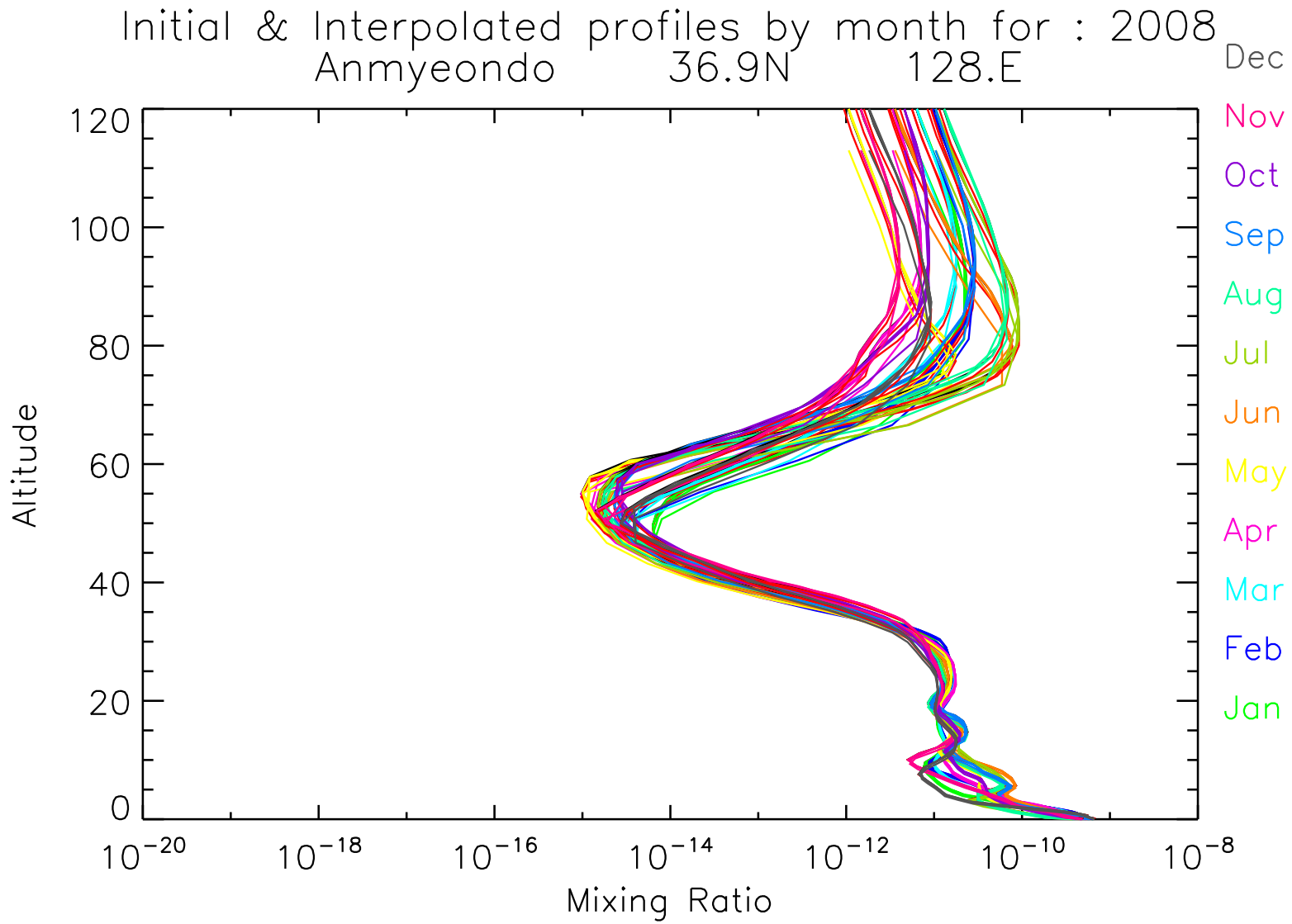
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Anmyeondo 36.9N 128.E
Dec
Nov
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Altitude
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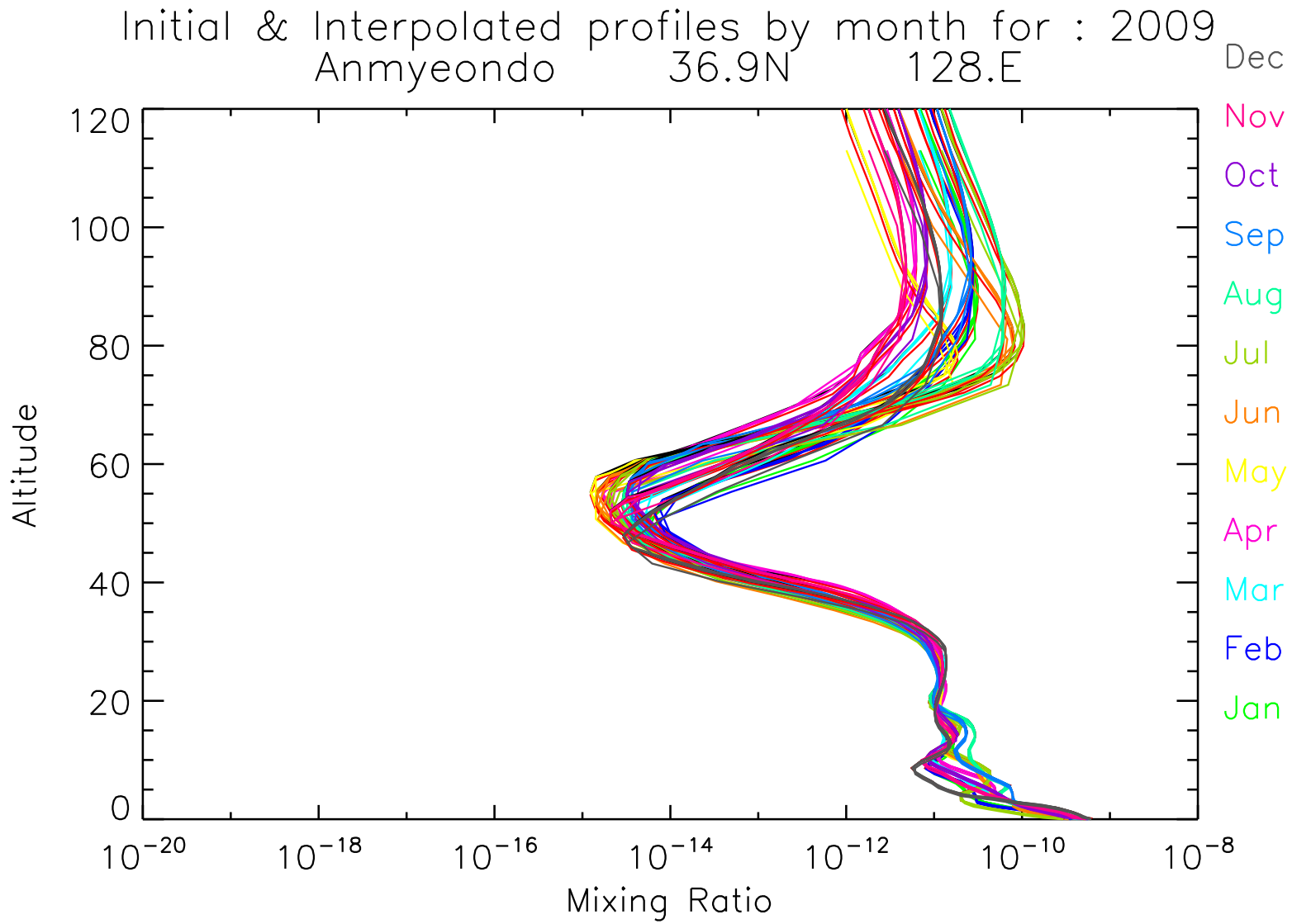
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Anmyeondo 36.9N 128.E
Dec
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Altitude
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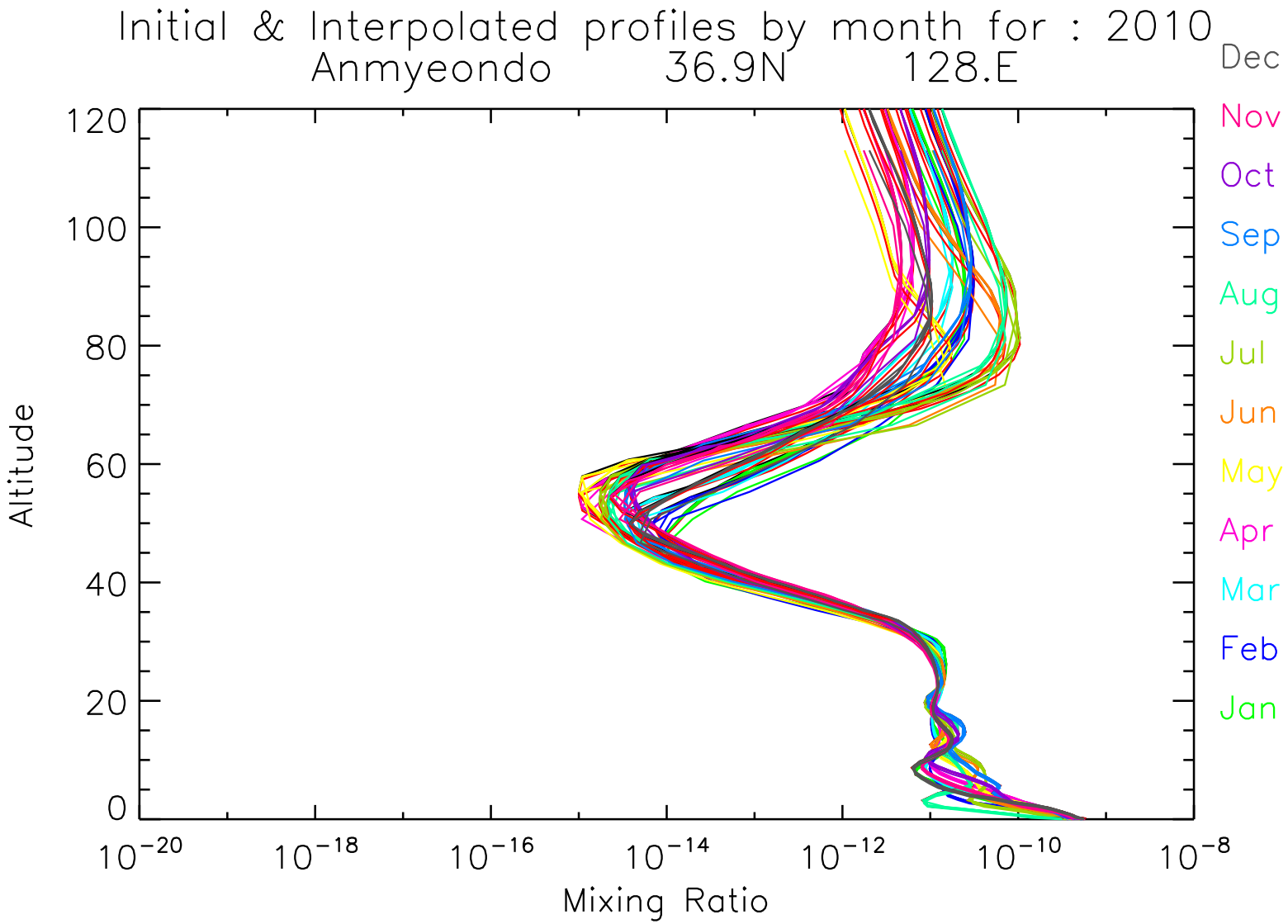
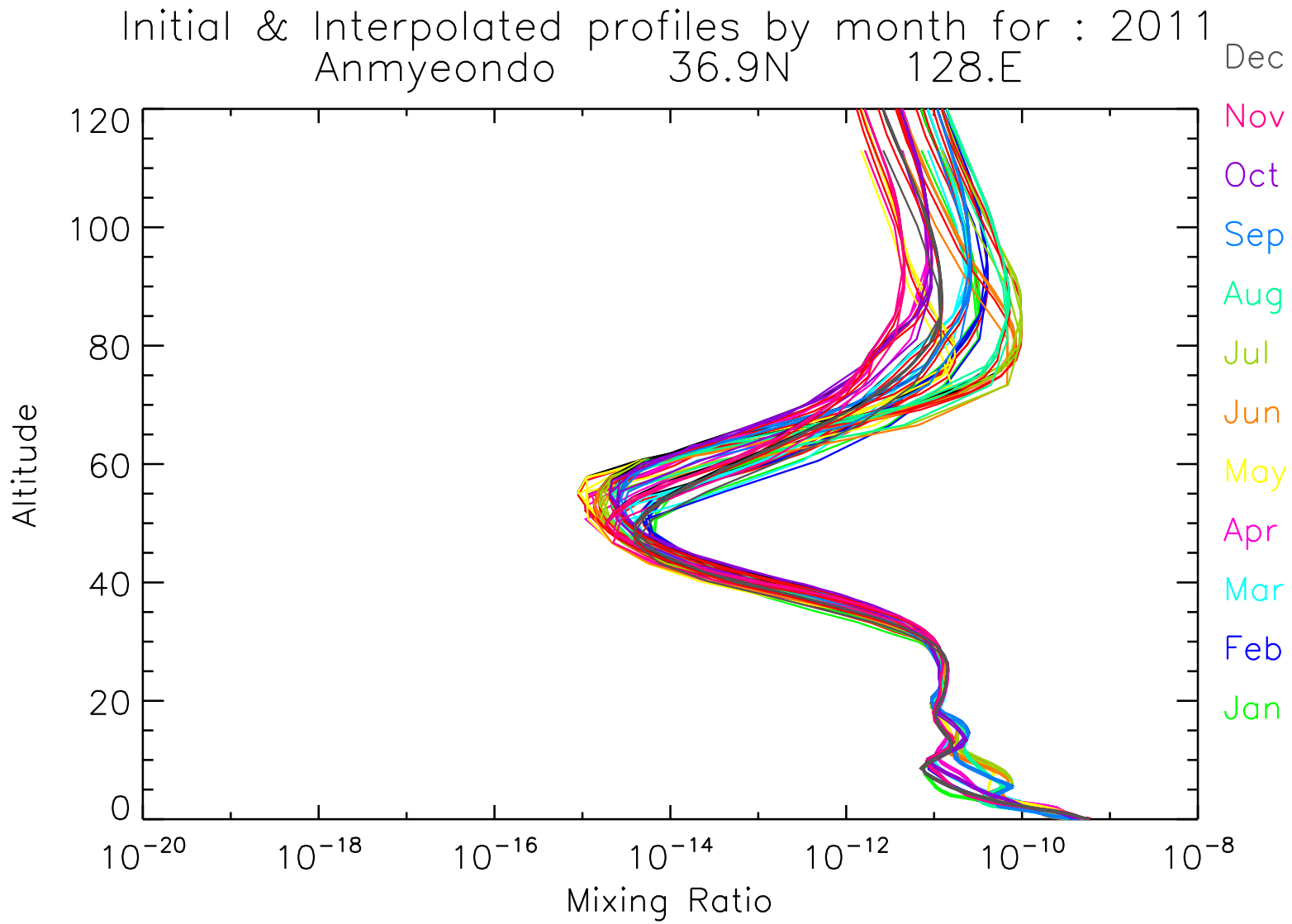
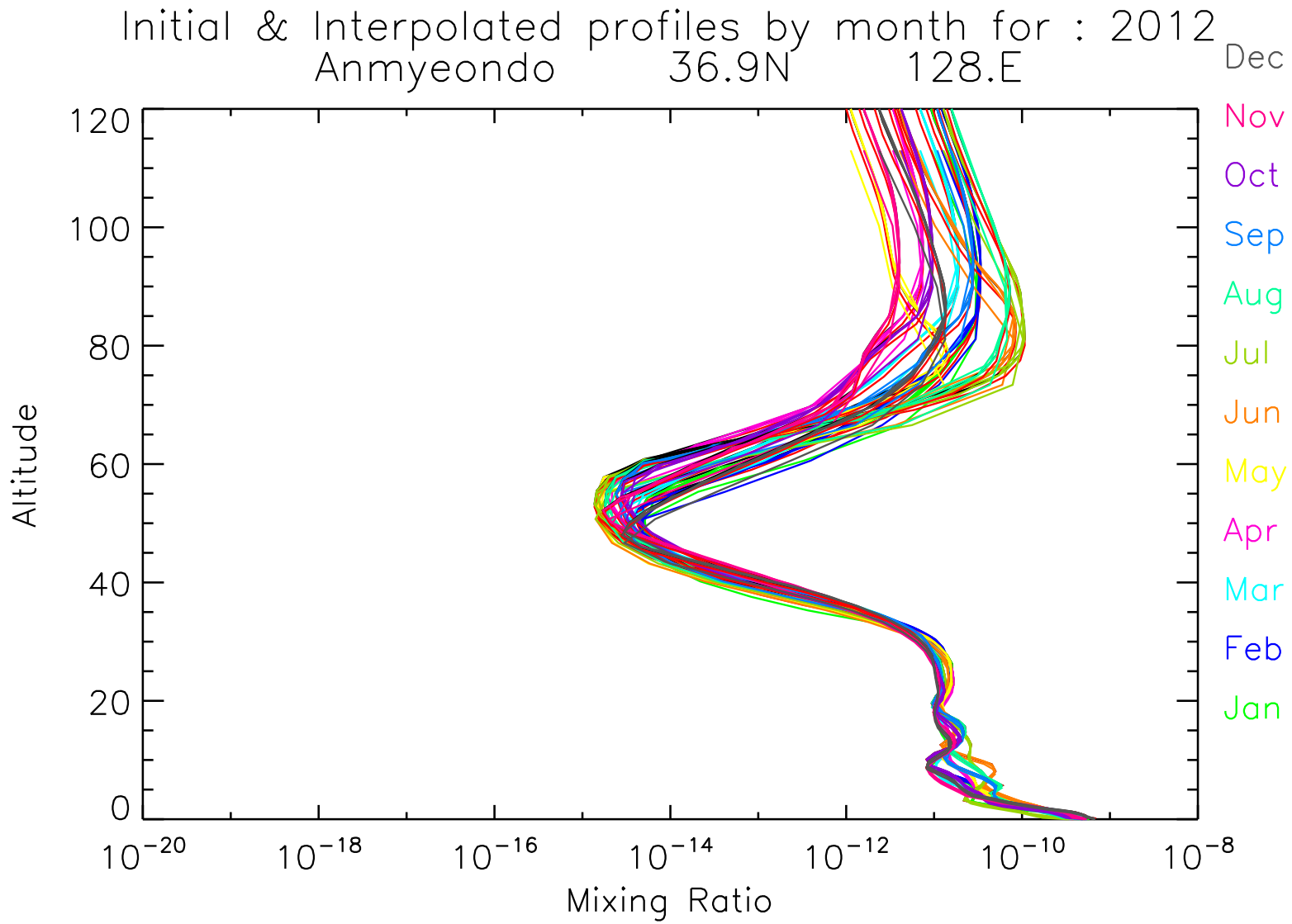
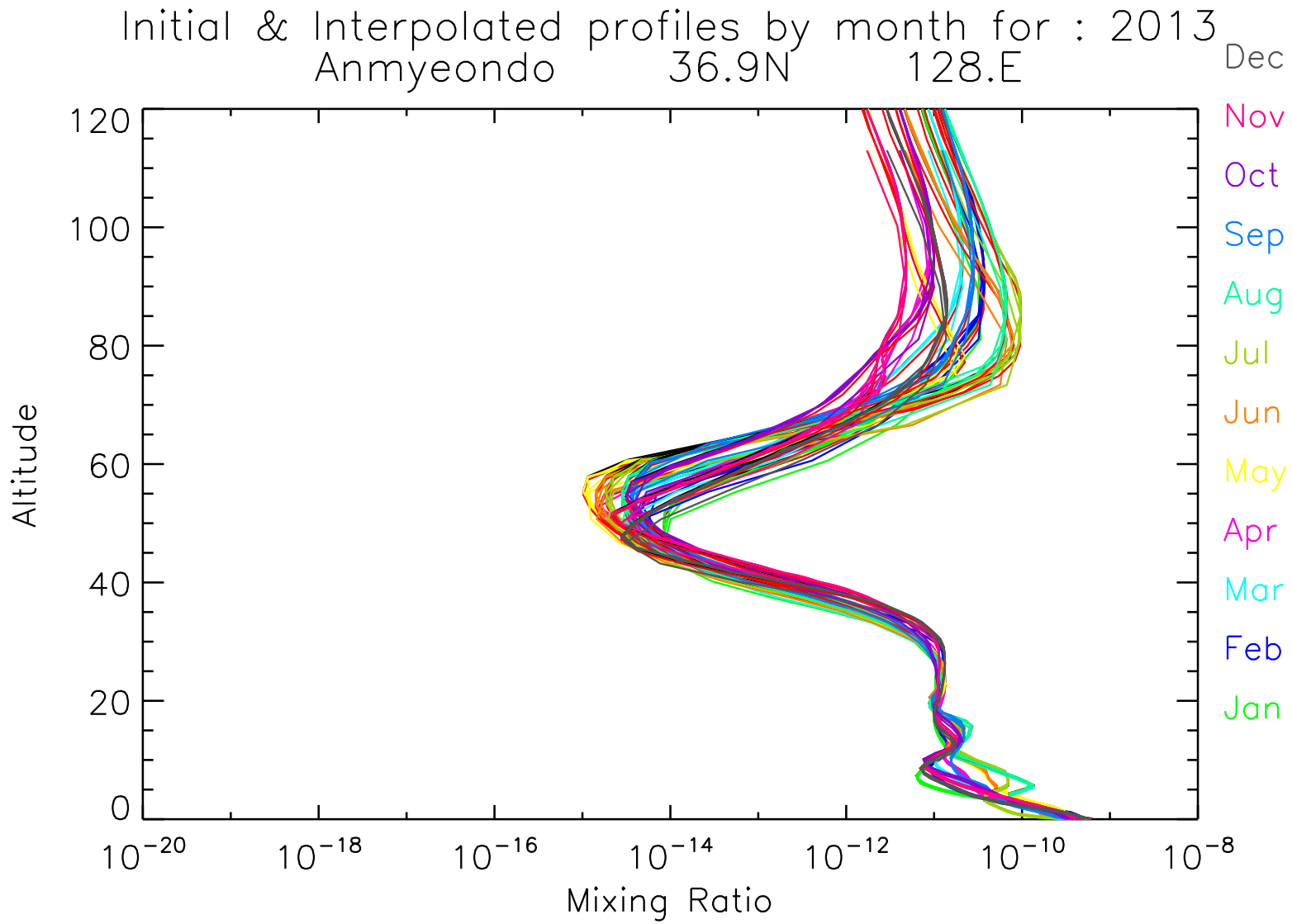
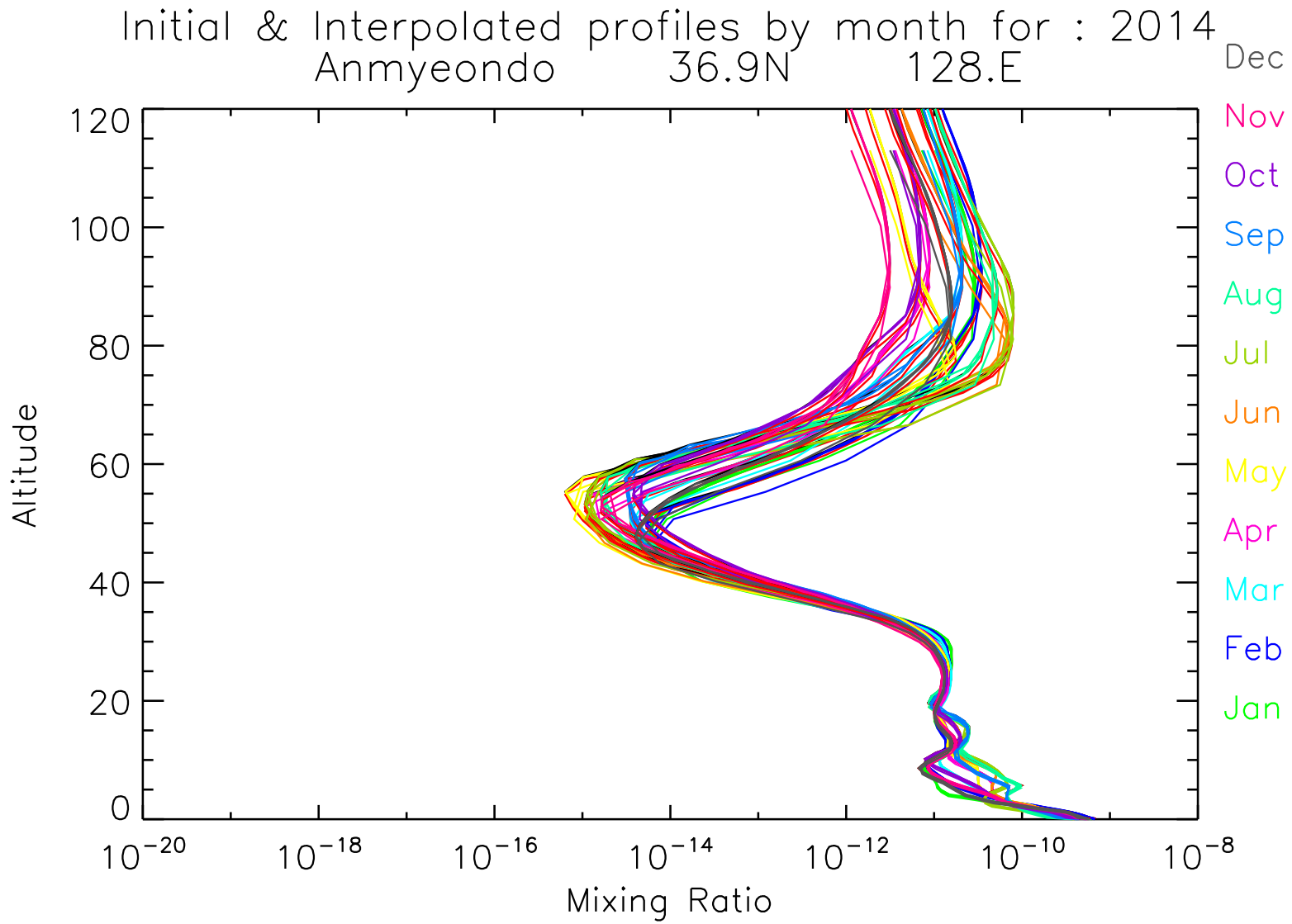
10^{-8}
Mixing Ratio

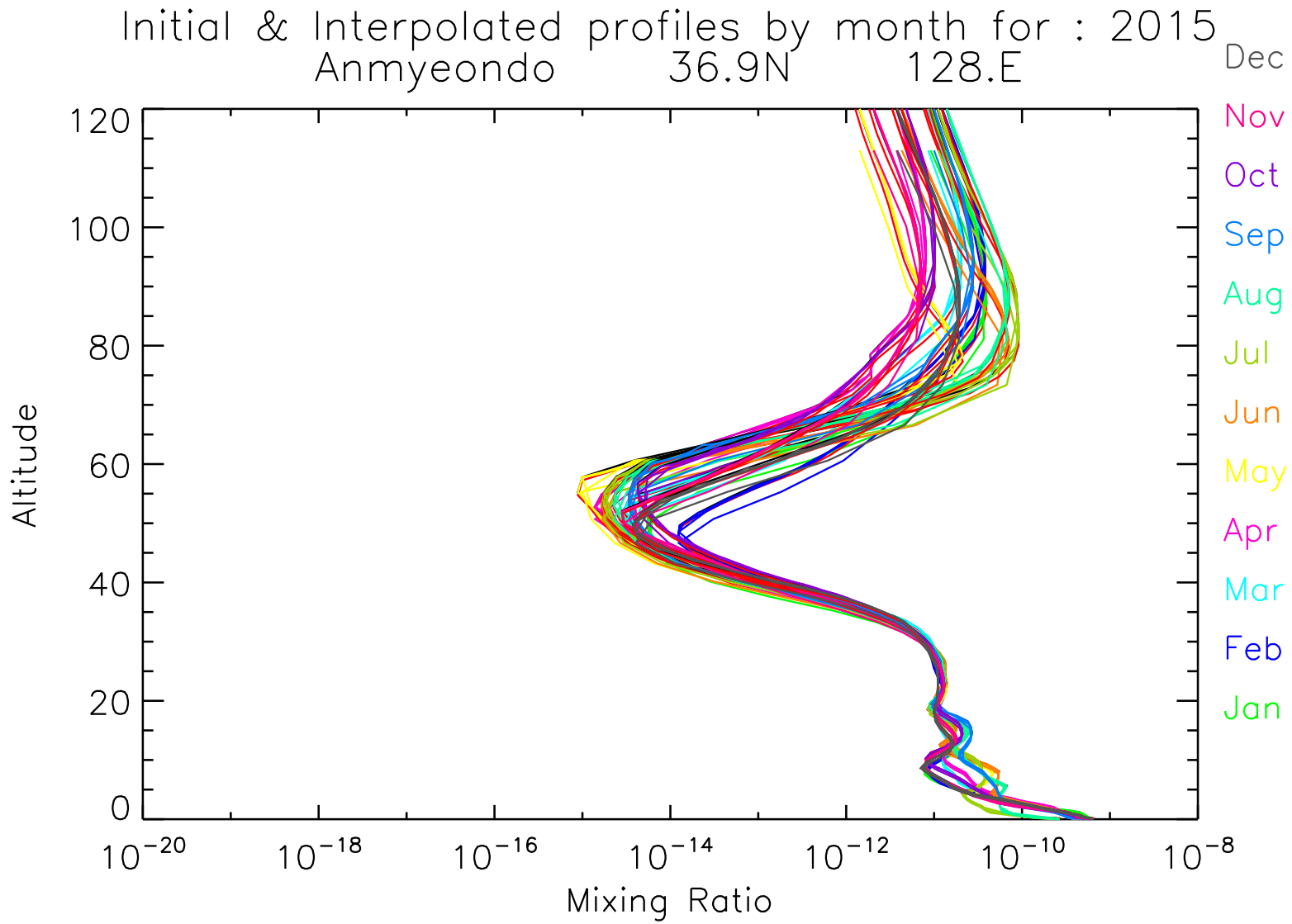

Initial & Interpolated profiles by month for : 2010
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

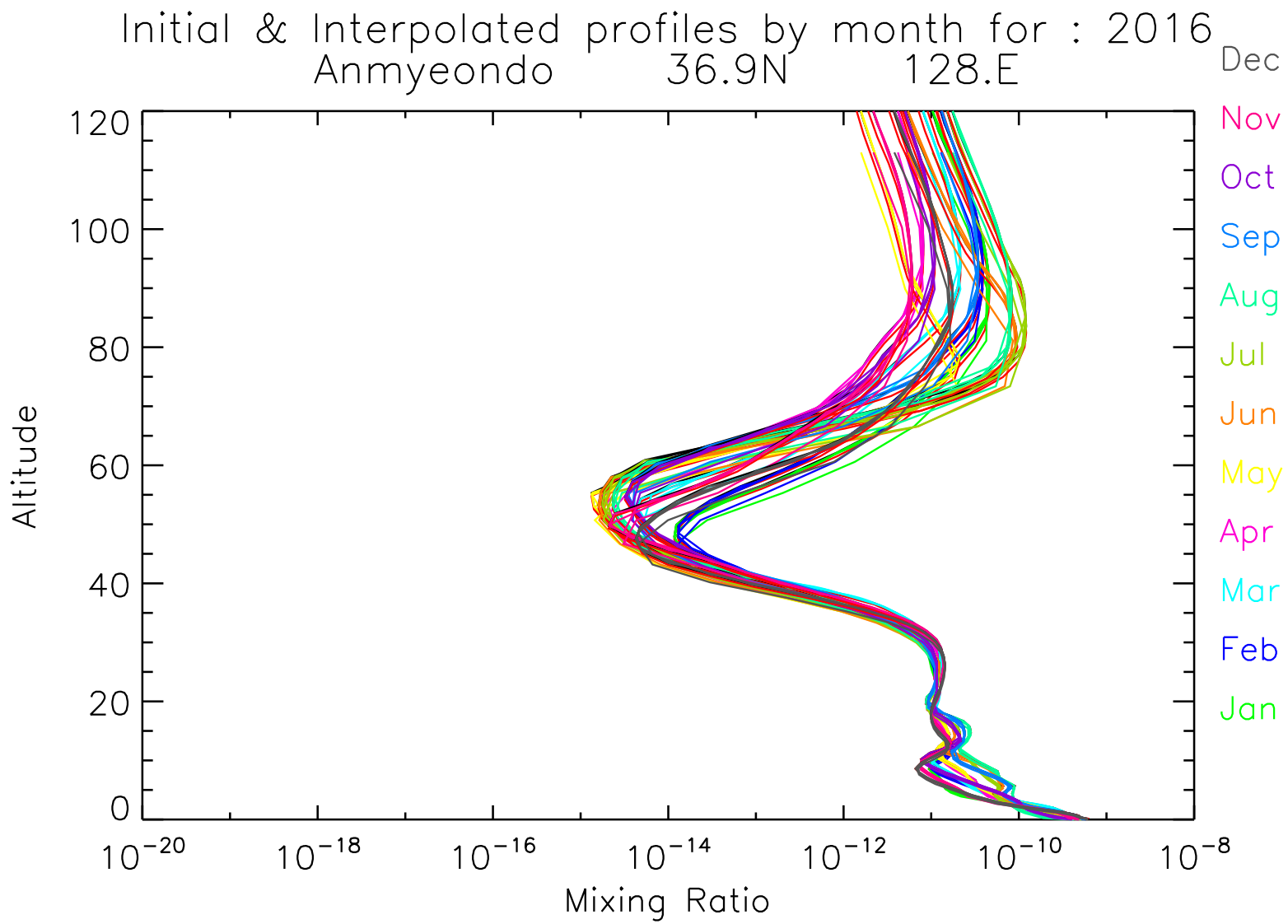

Initial & Interpolated profiles by month for : 2011
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

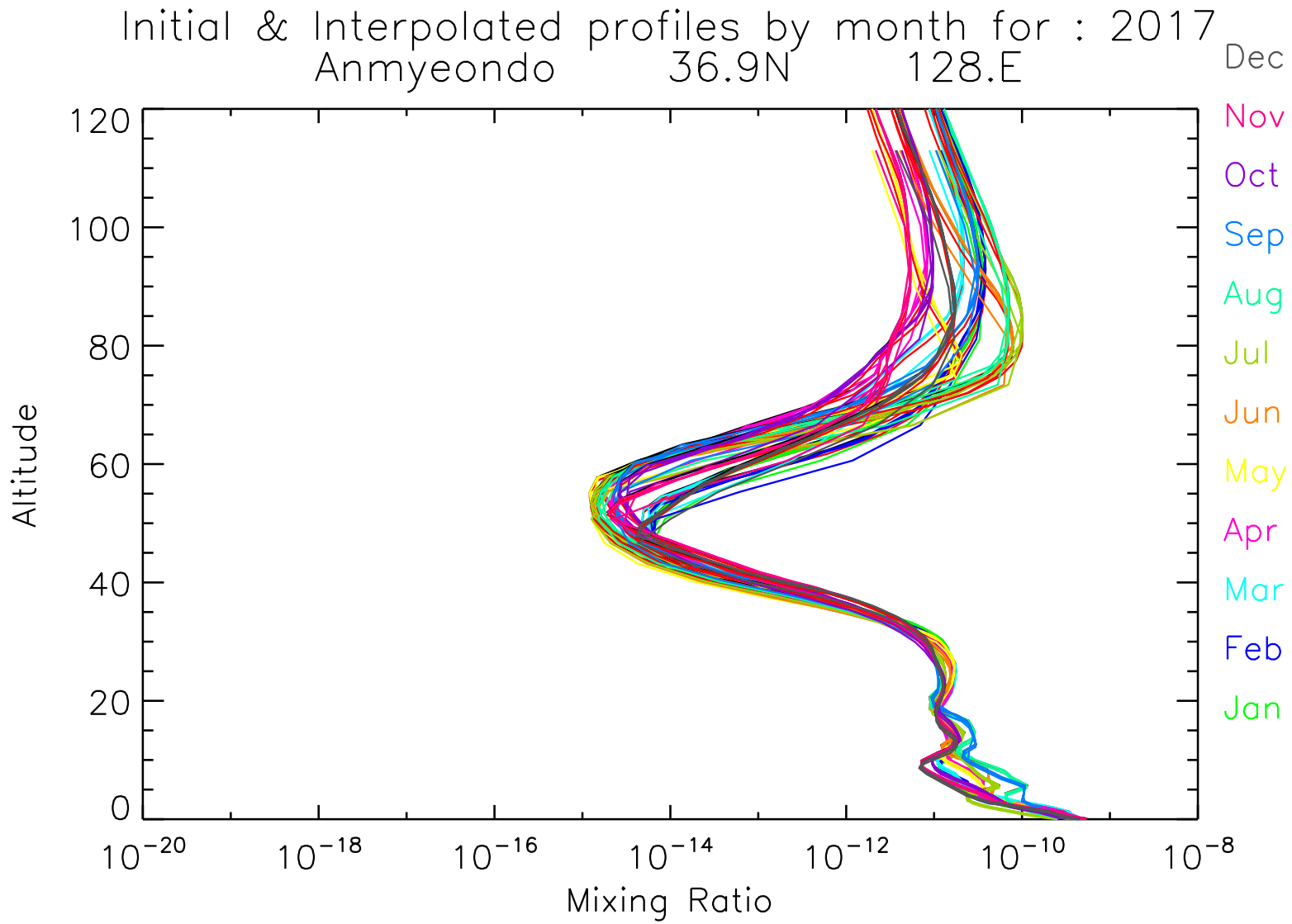

Initial & Interpolated profiles by month for : 2012
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

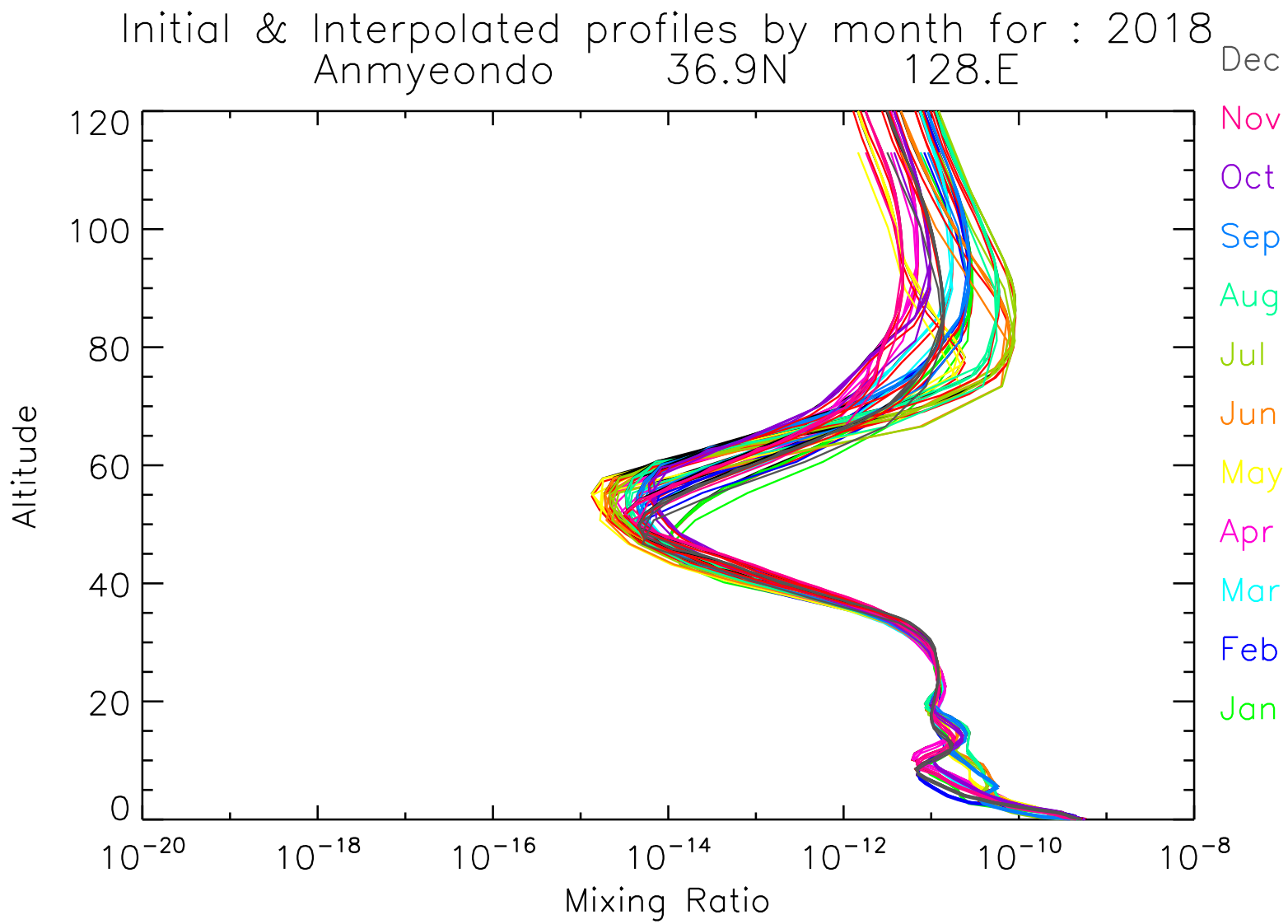

Initial & Interpolated profiles by month for : 2013
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

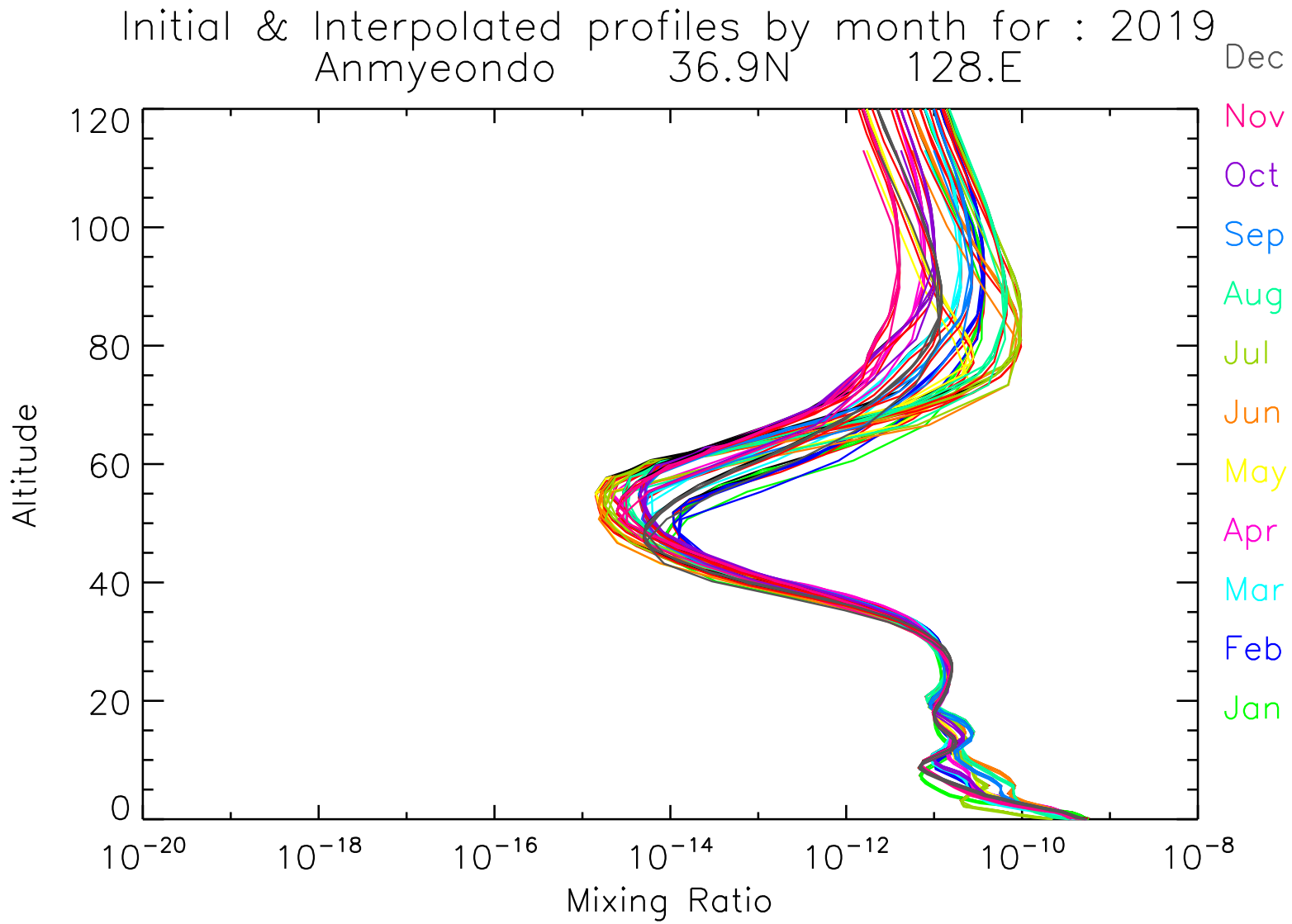

Initial & Interpolated profiles by month for : 2014
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

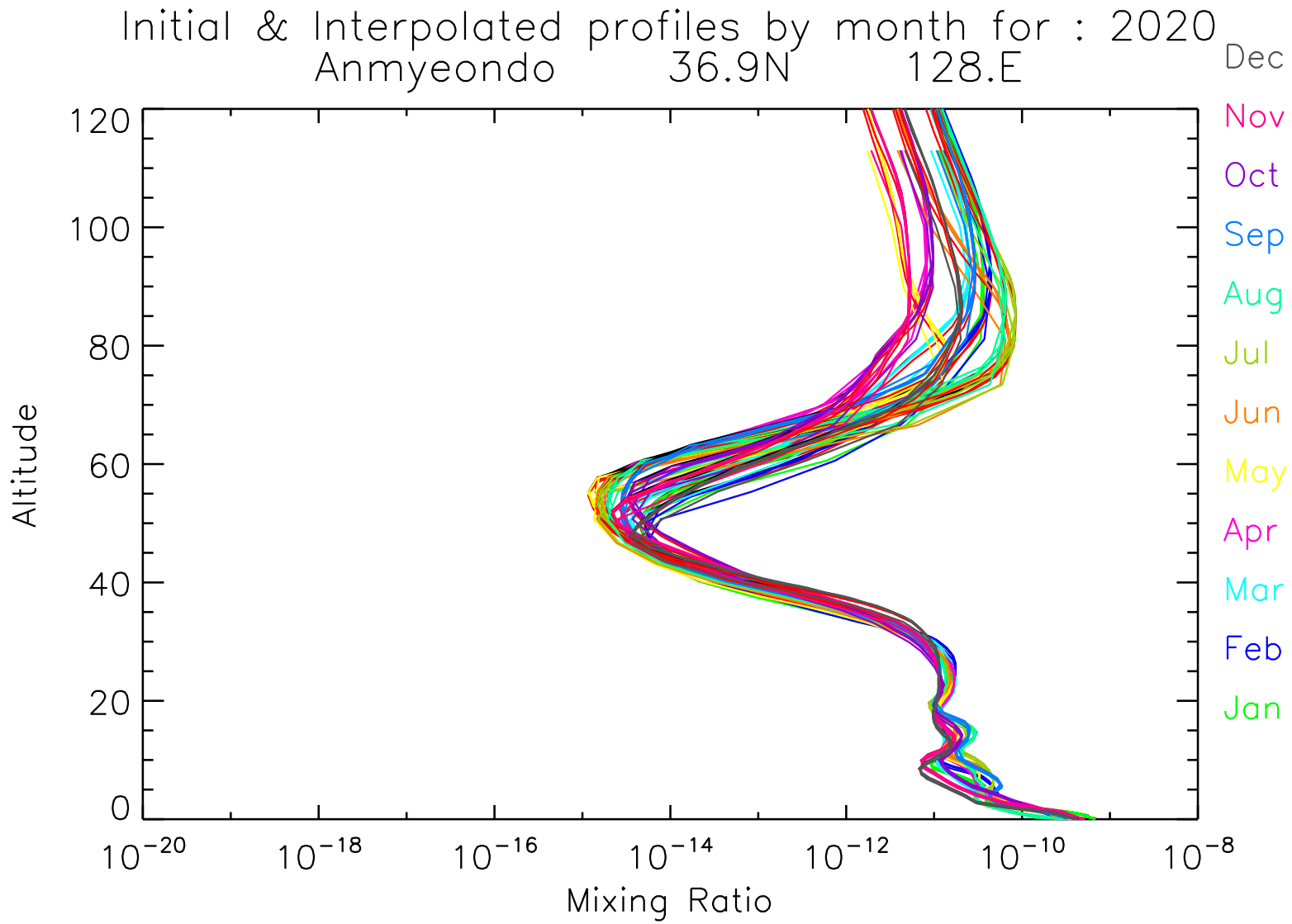

Initial & Interpolated profiles by month for : 2015
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

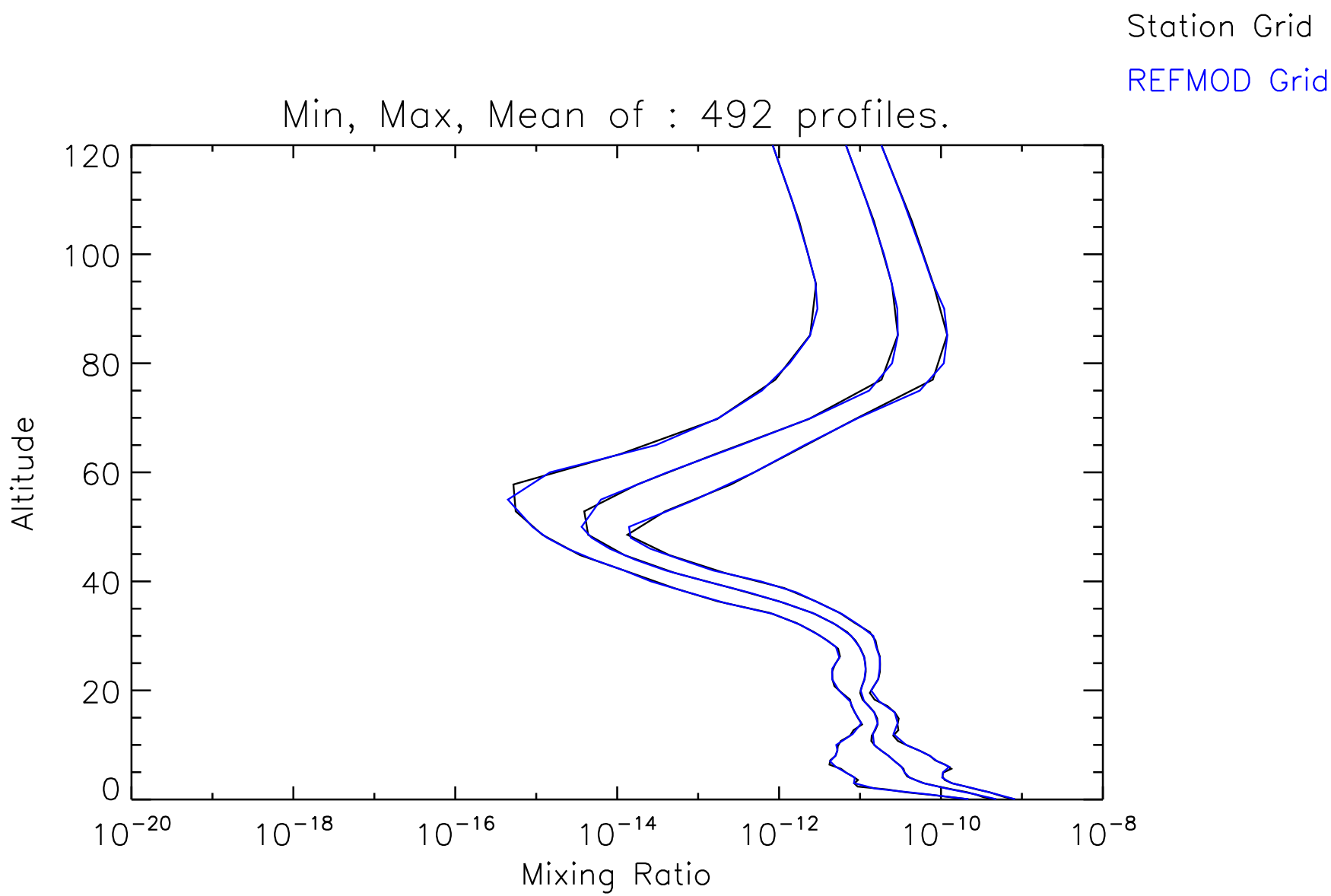

Initial & Interpolated profiles by month for : 2016
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

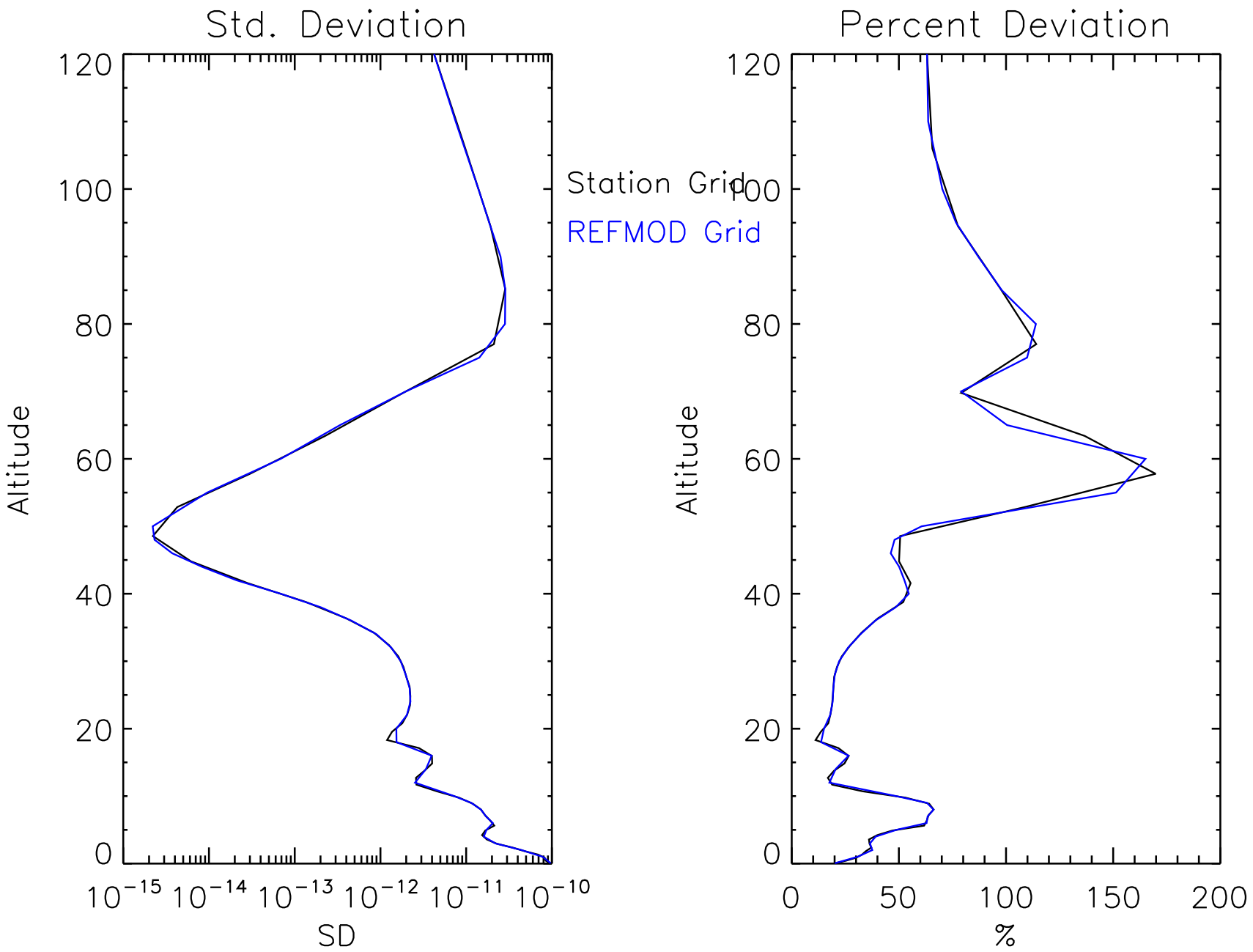

Initial & Interpolated profiles by month for : 2017
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

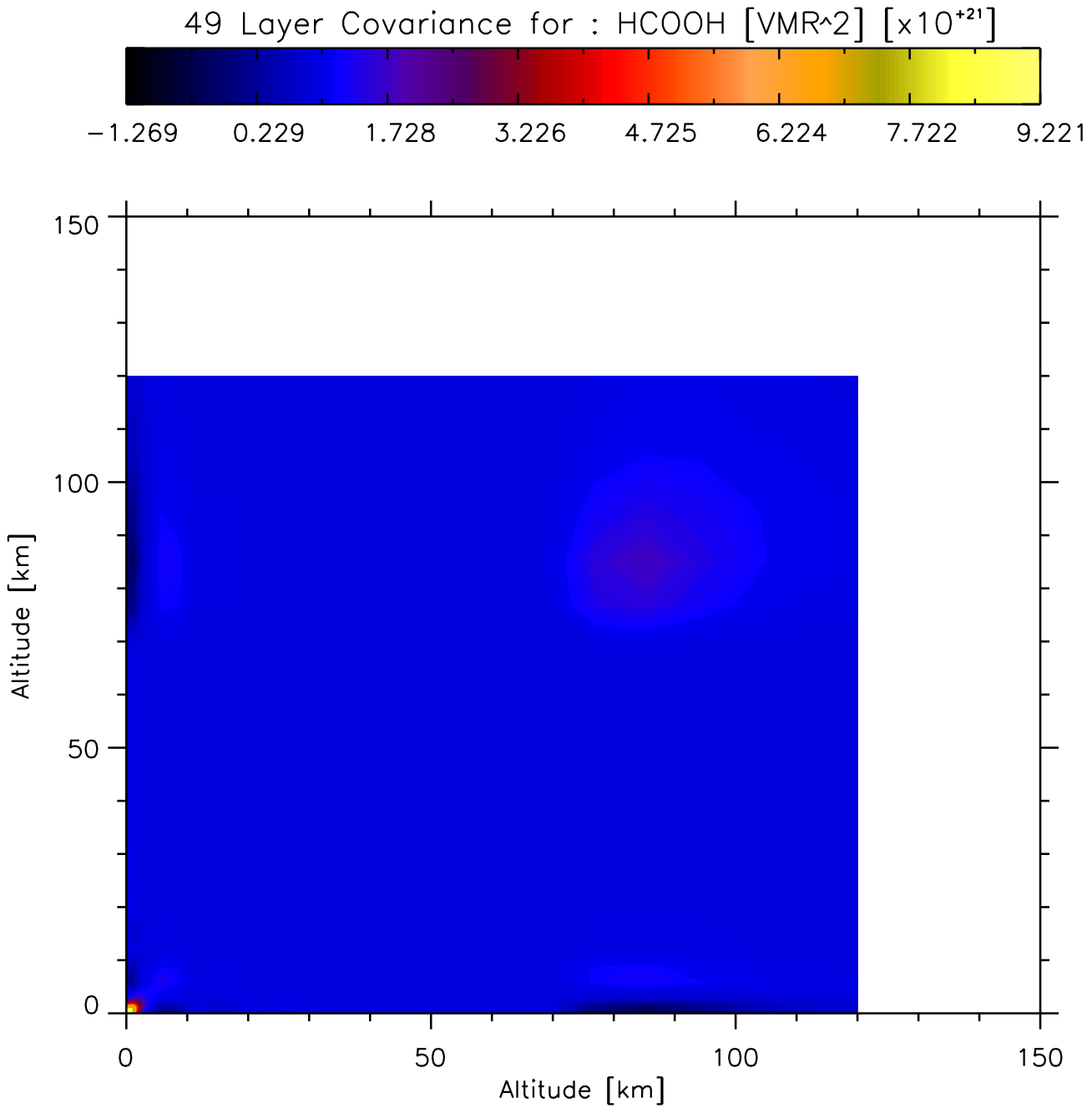

Initial & Interpolated profiles by month for : 2018
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2019
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

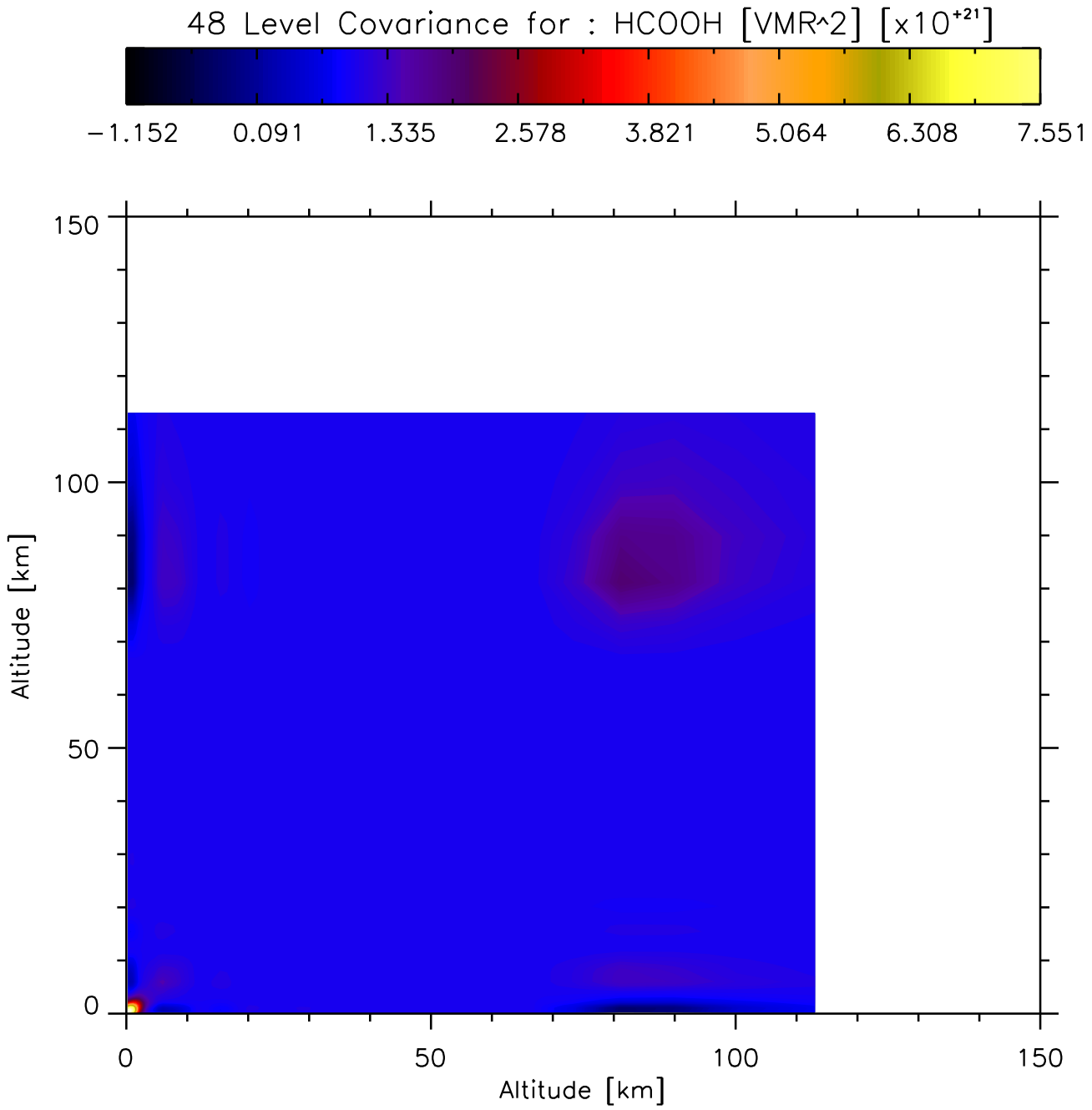

Initial & Interpolated profiles by month for : 2020
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

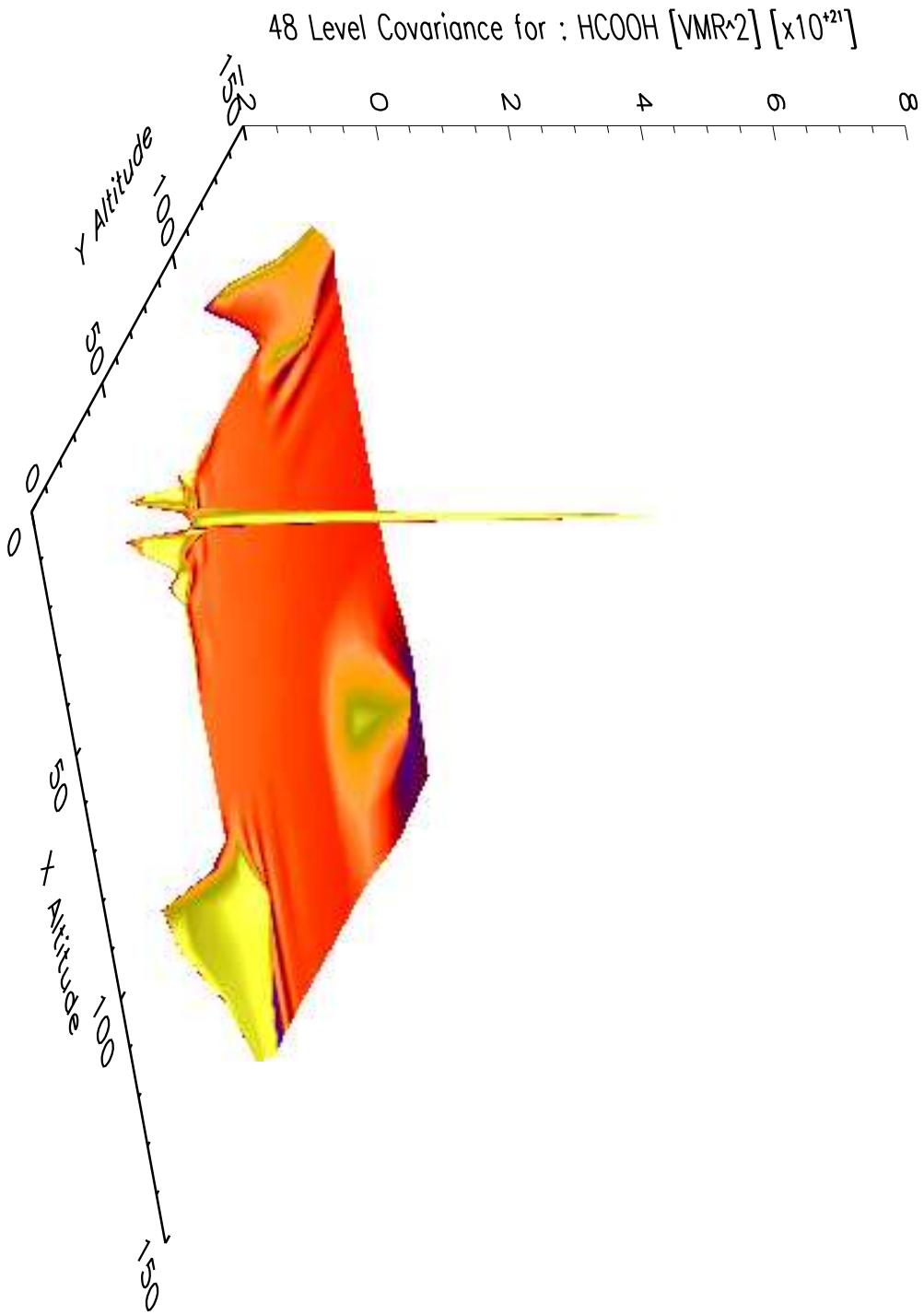

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-20}
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


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} 10^{-10}
SD
0
50
100
150
200
%


49 Layer Covariance for : HCOOH [VMR^2] [x10^+21]
−1.269
0.229
1.728
3.226
4.725
6.224
7.722
9.221
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : HCOOH [VMR^2] [x10^21]
Y Altitude
X Altitude
0
10
20
30
40
49
0
50
100
150


48 Level Covariance for : HCOOH [VMR^2] [x10^+21]
−1.152
0.091
1.335
2.578
3.821
5.064
6.308
7.551
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : HCOOH [VMR^2] [x10^+21]
-150
0
2
4
6
8
Y Altitude
100
50
0
0
50
X Altitude
100
150