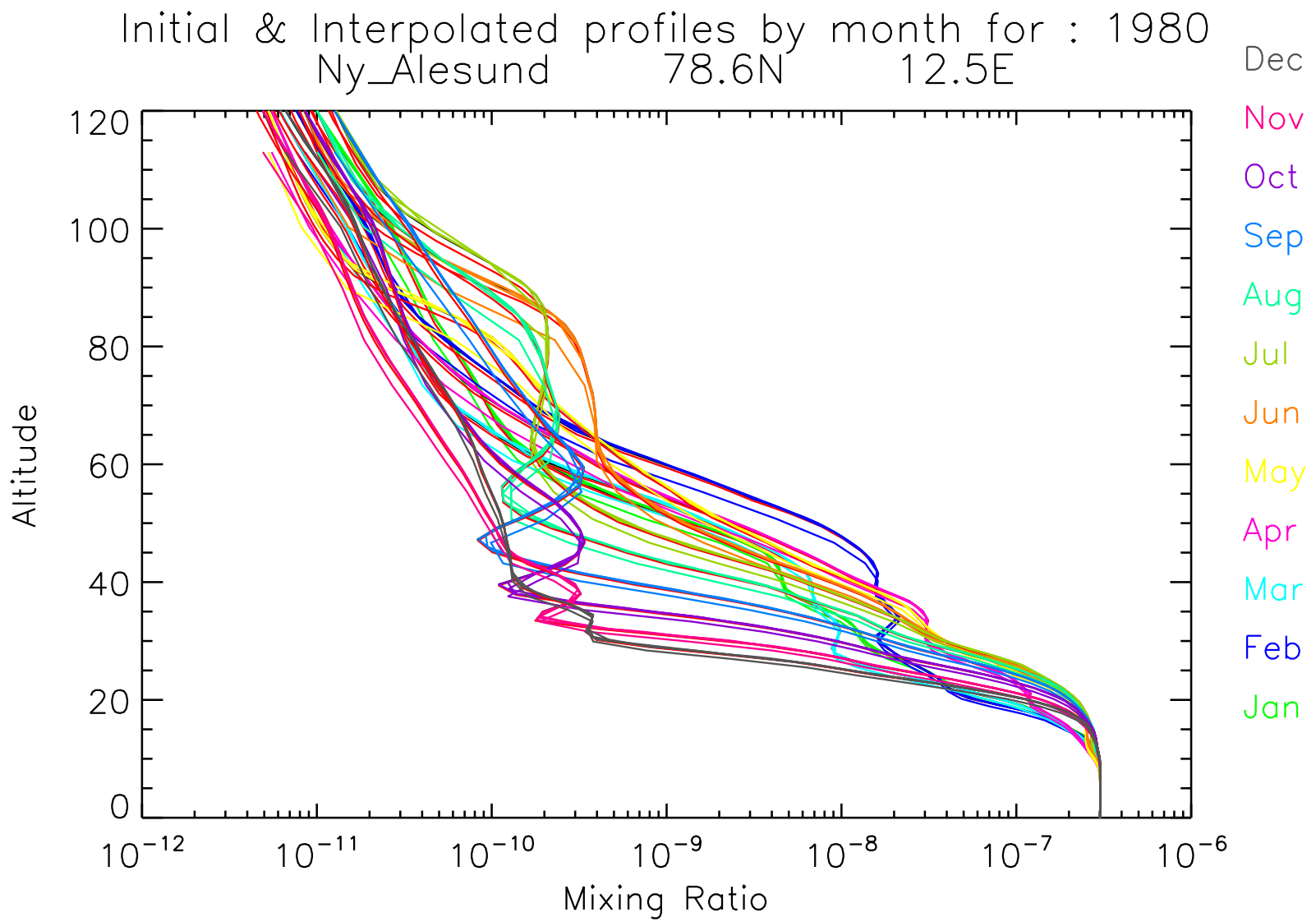
Initial & Interpolated profiles by month for : 1980
Ny_Alesund 78.6N 12.5E
Altitude
120
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Mixing Ratio
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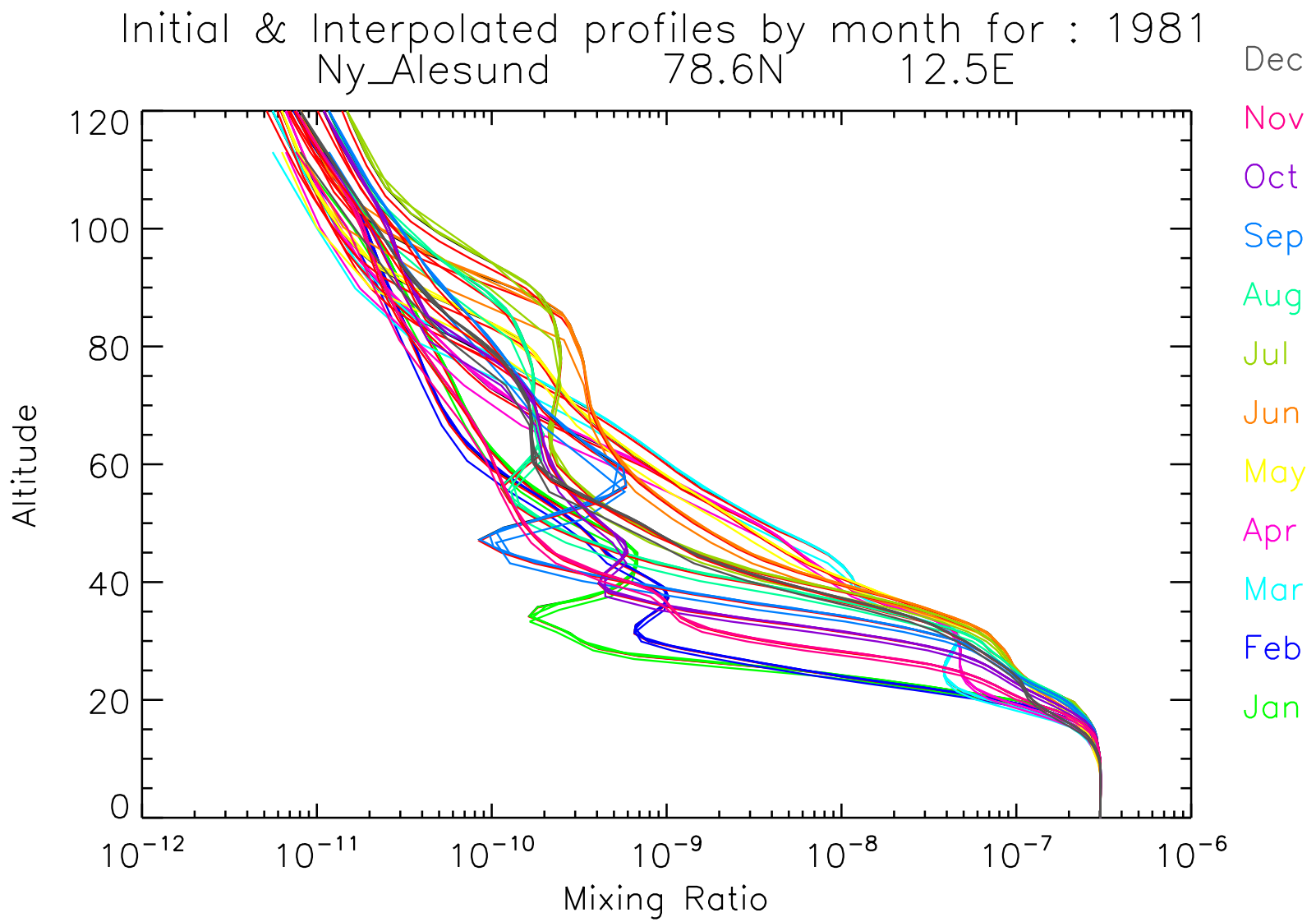
Initial & Interpolated profiles by month for : 1981
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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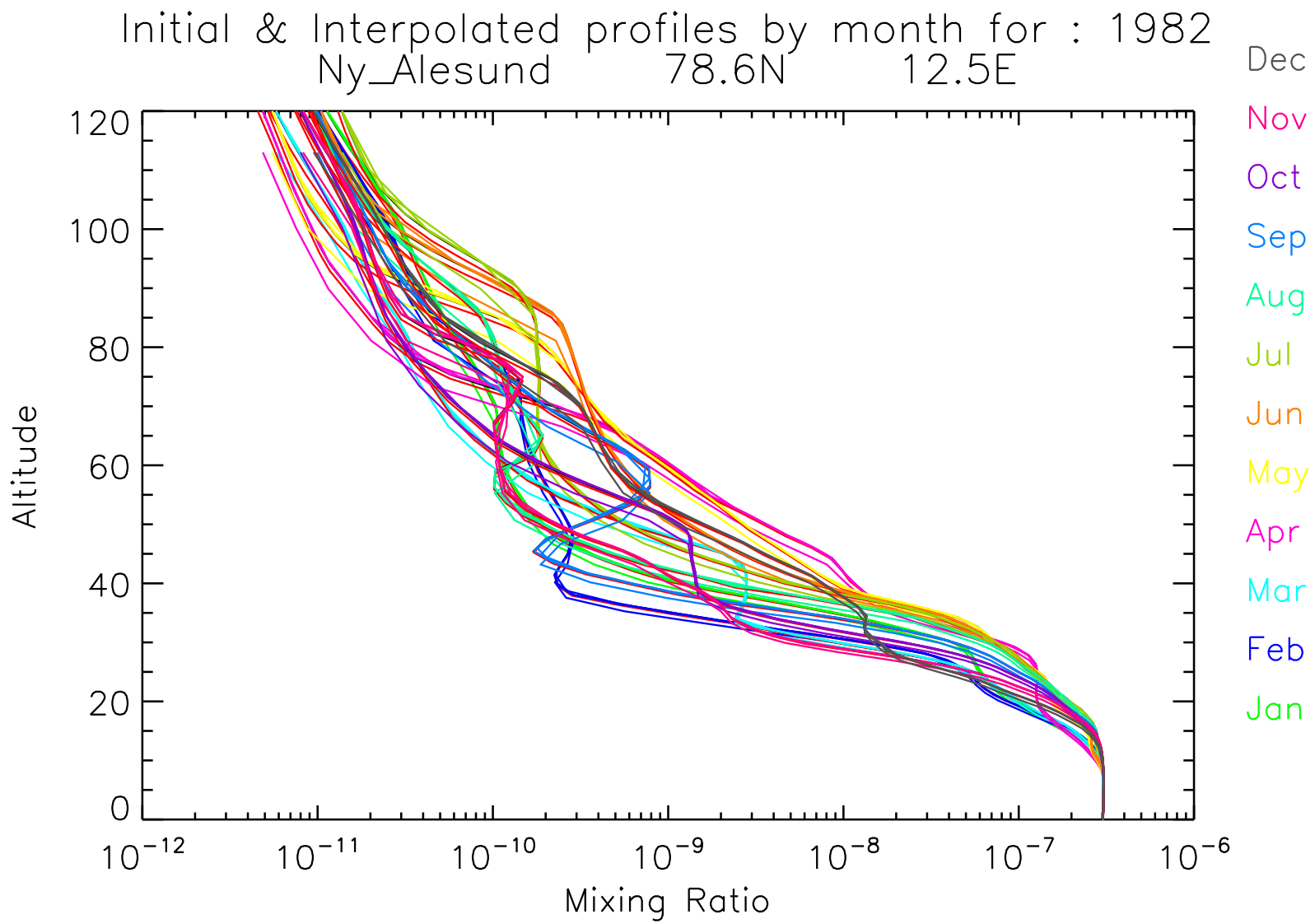
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Altitude
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Mixing Ratio
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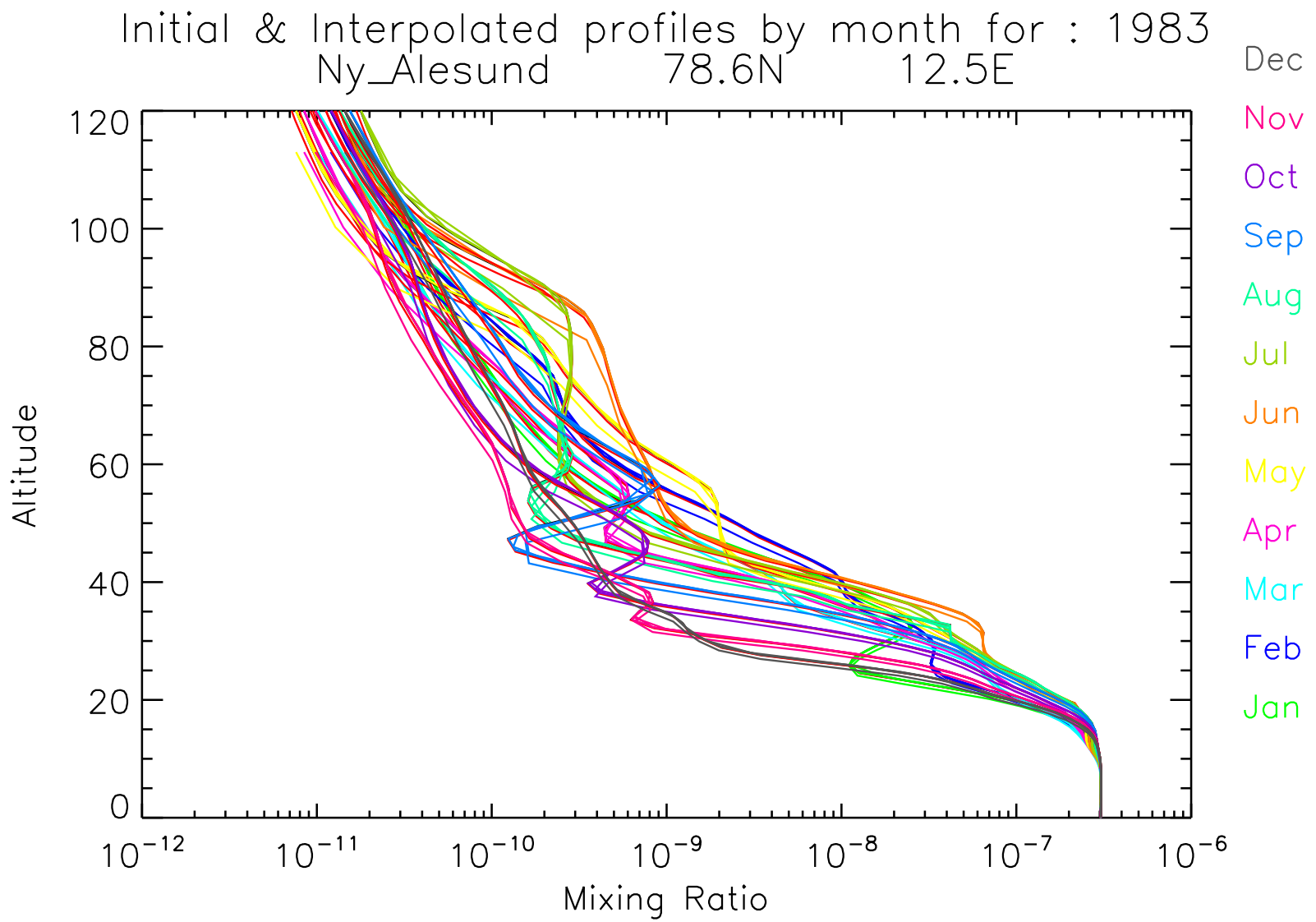
Initial & Interpolated profiles by month for : 1983
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Altitude
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Mixing Ratio
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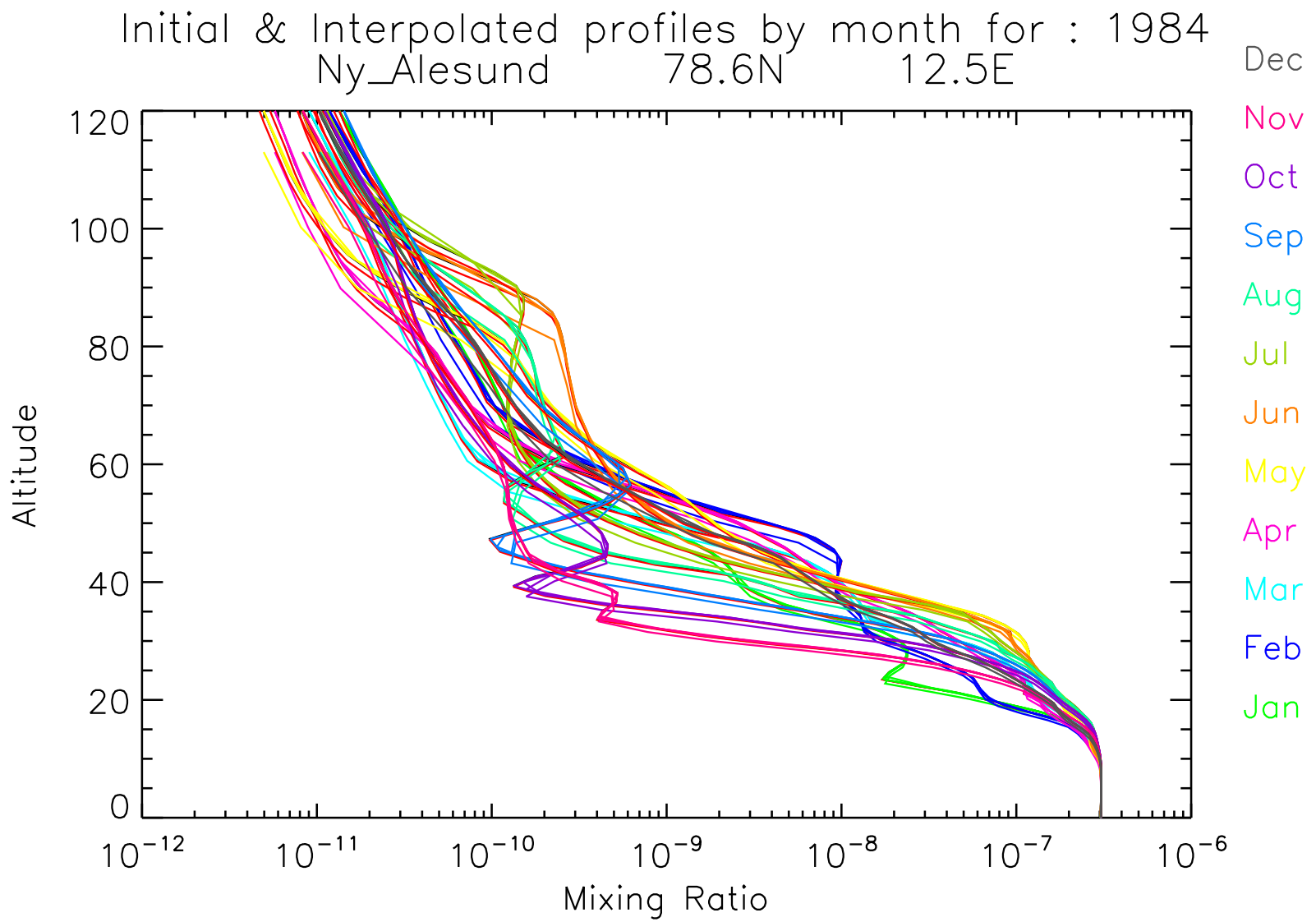
Initial & Interpolated profiles by month for : 1984
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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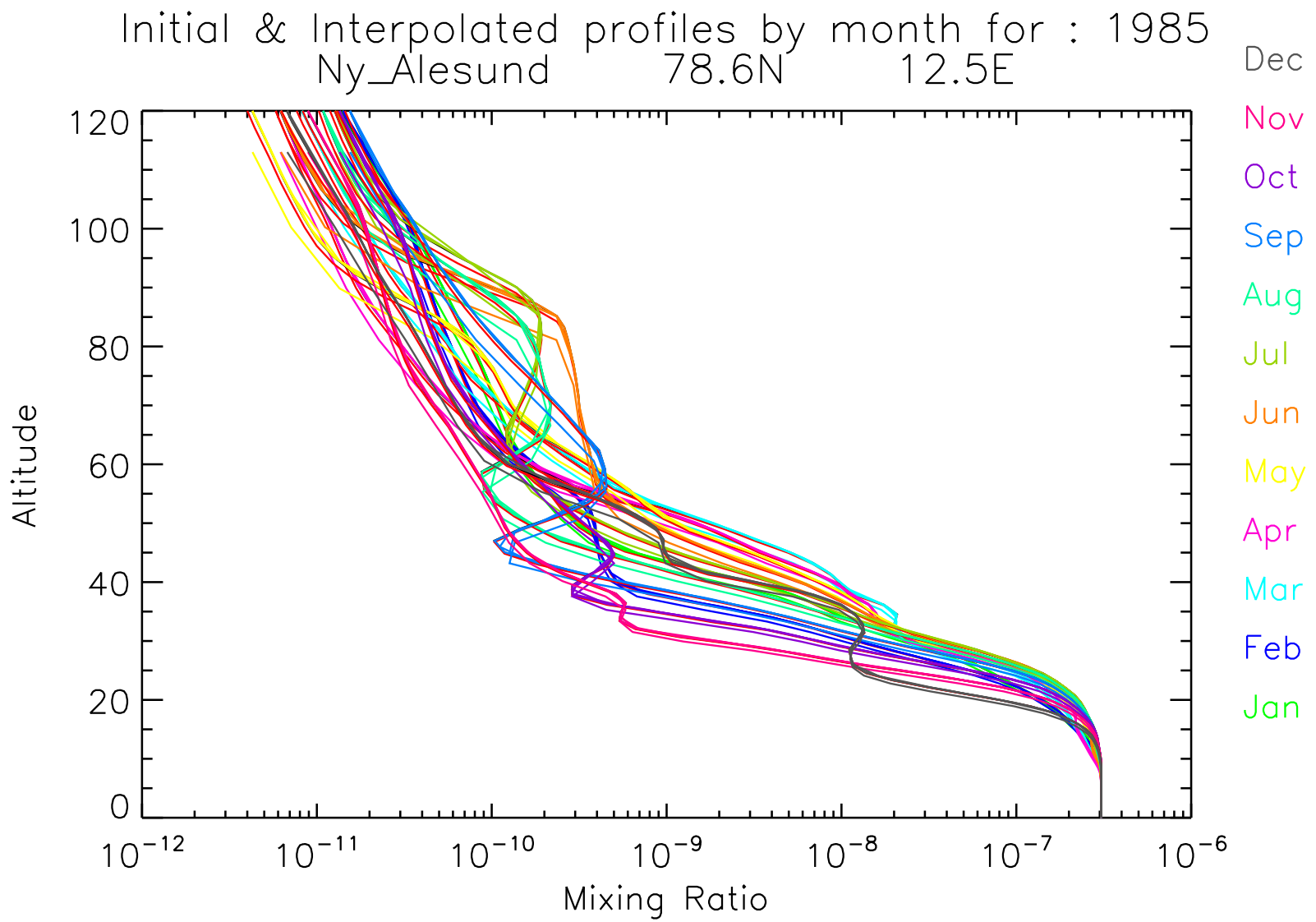
Initial & Interpolated profiles by month for : 1985
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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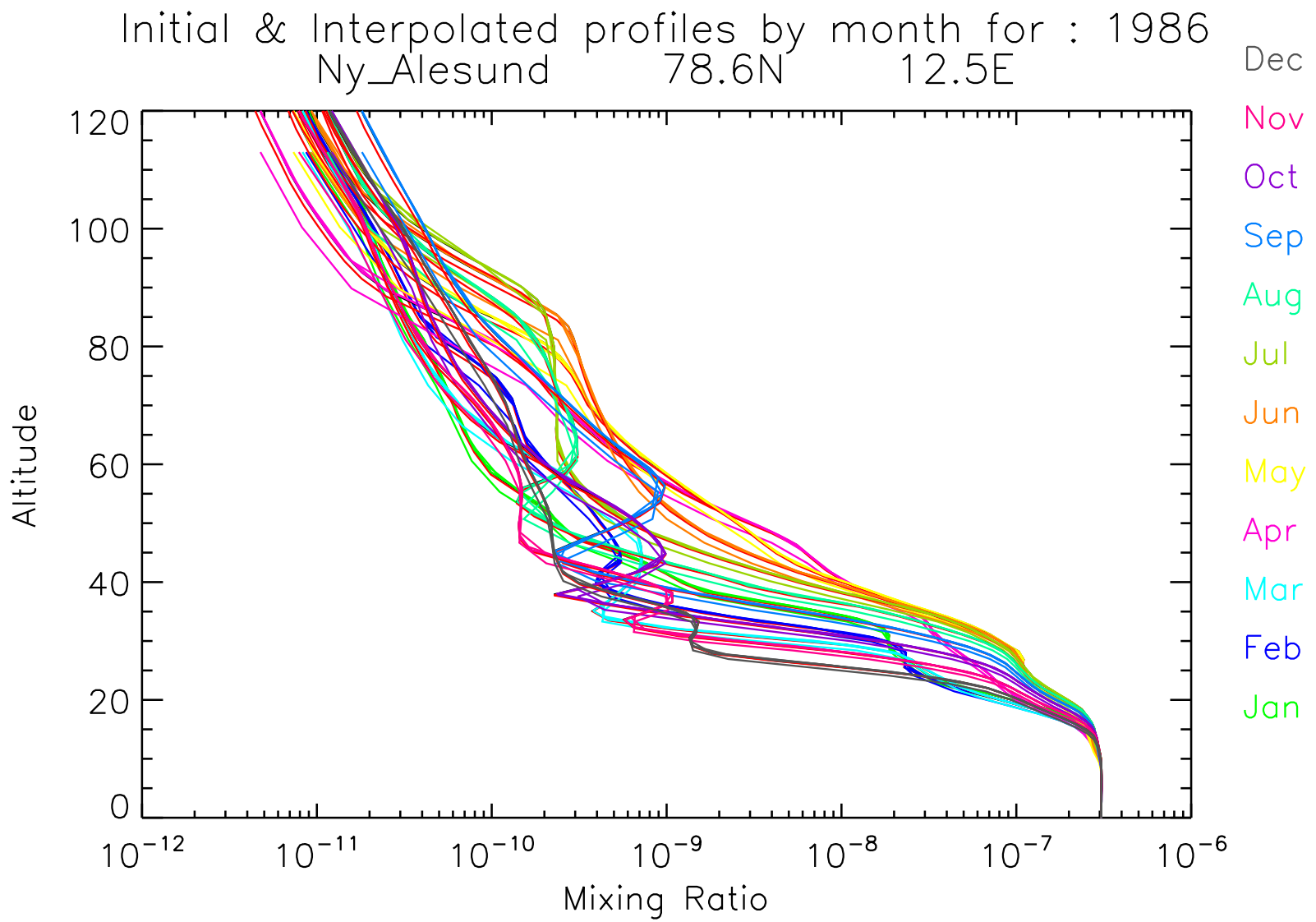
Initial & Interpolated profiles by month for : 1986
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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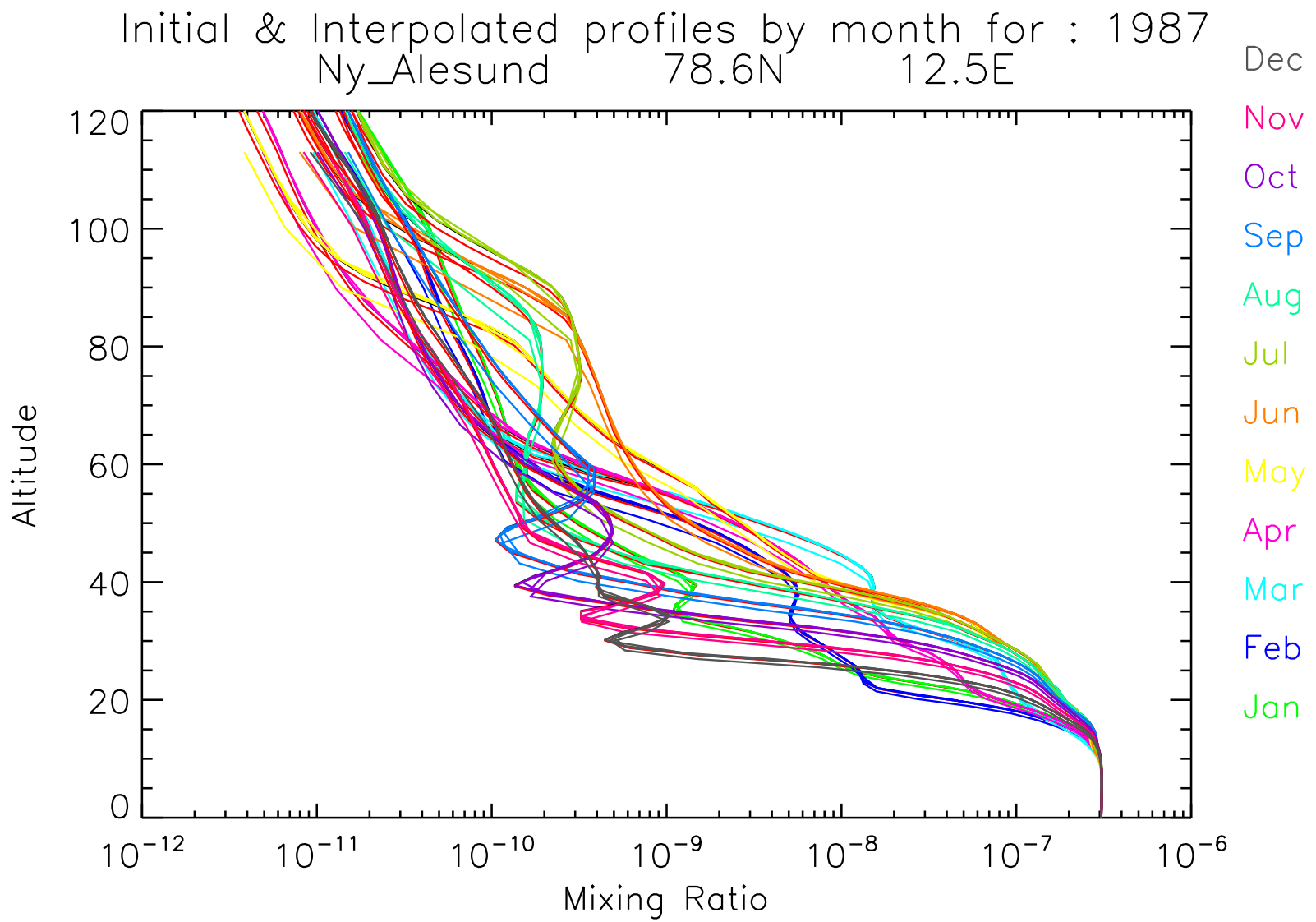
Initial & Interpolated profiles by month for : 1987
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Altitude
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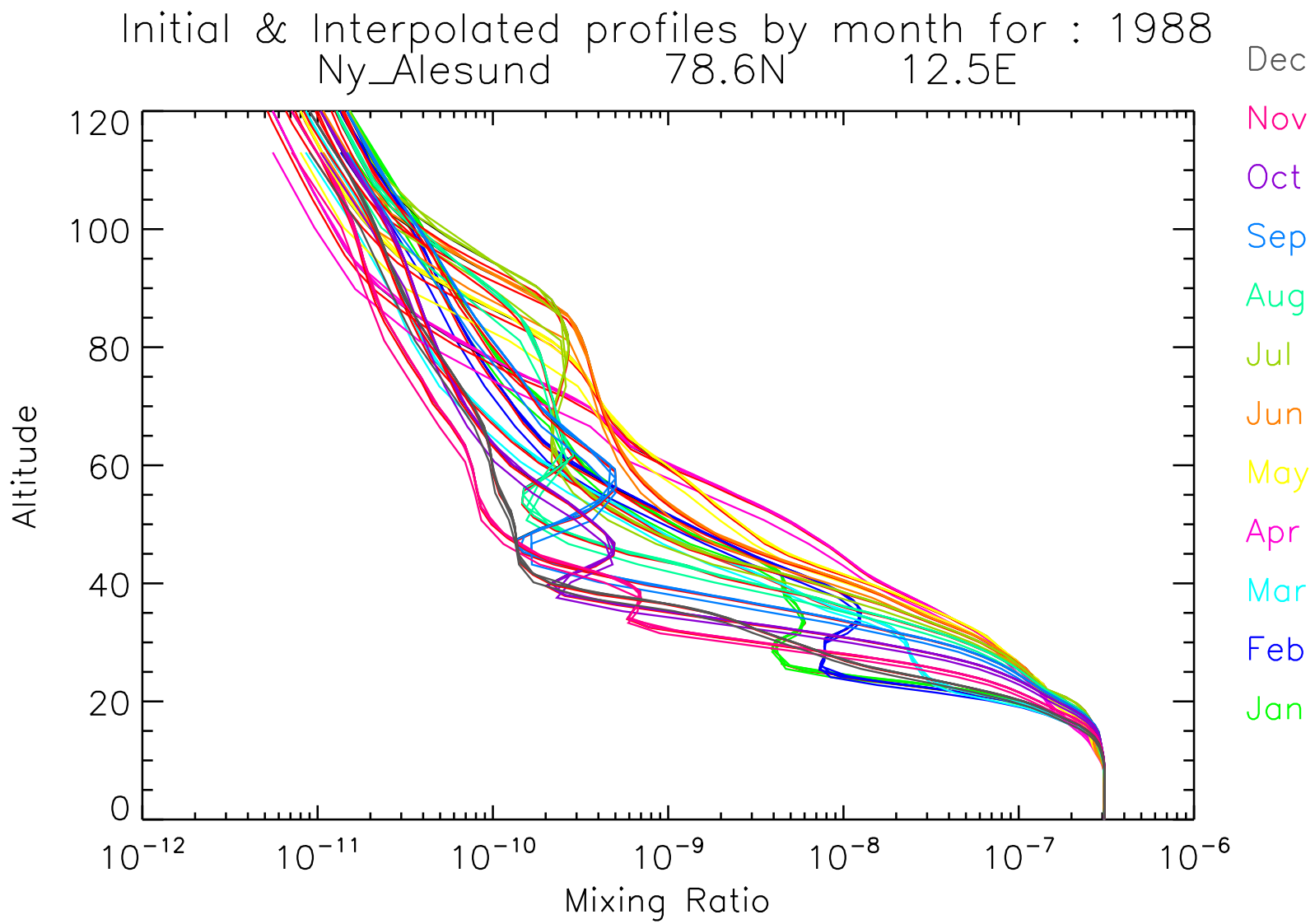
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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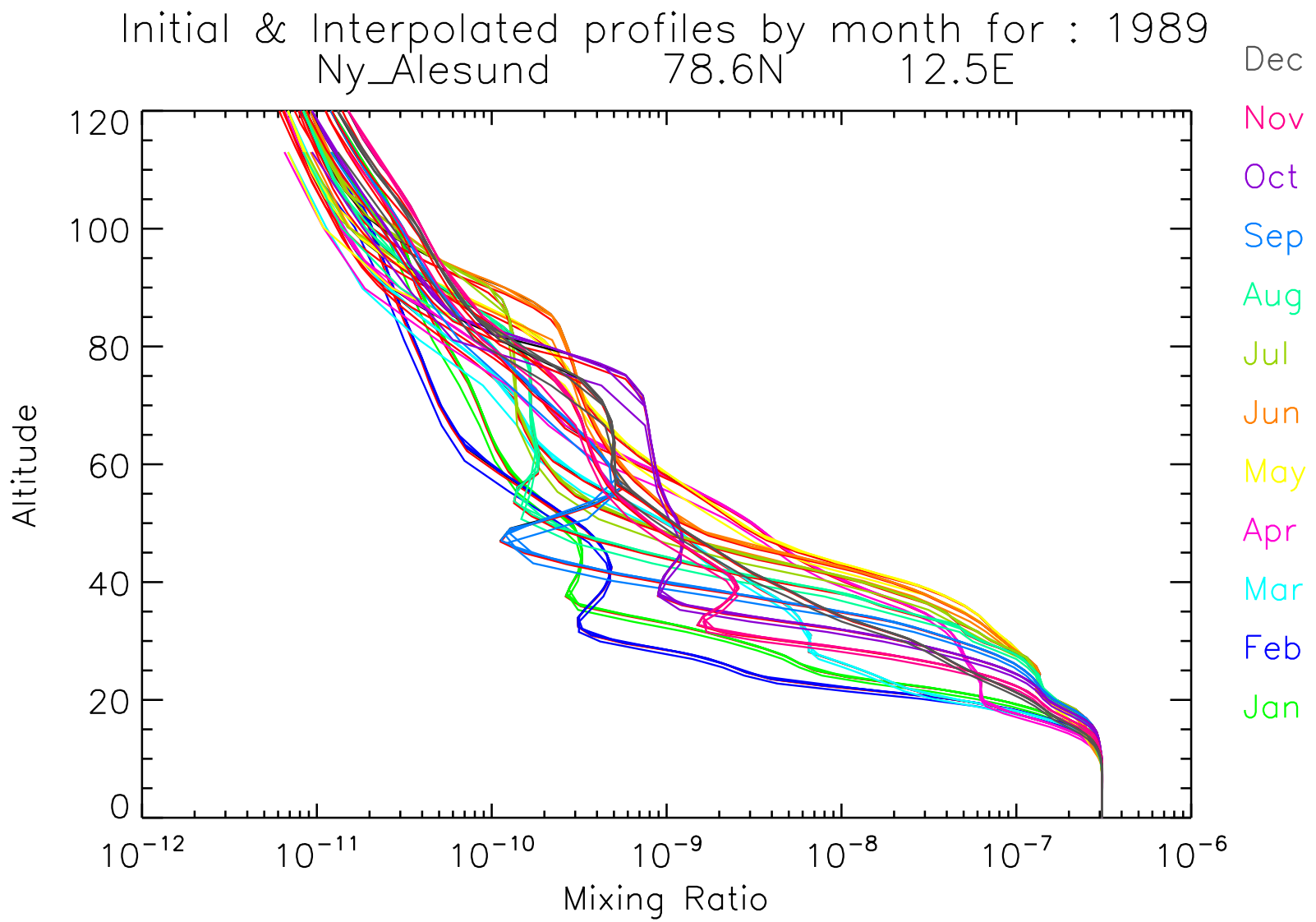
Initial & Interpolated profiles by month for : 1989
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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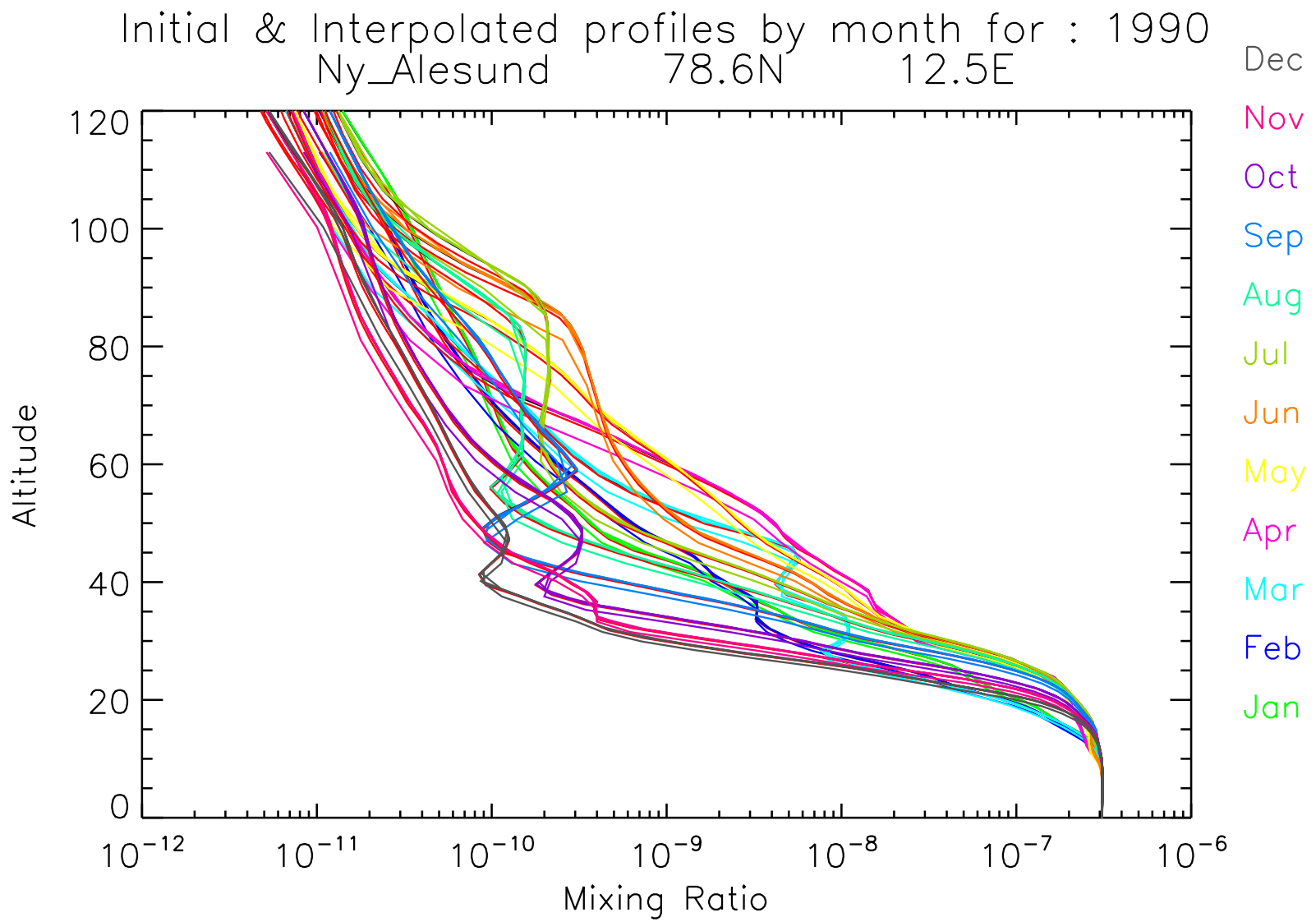
Initial & Interpolated profiles by month for : 1990
Ny_Alesund 78.6N 12.5E
Altitude
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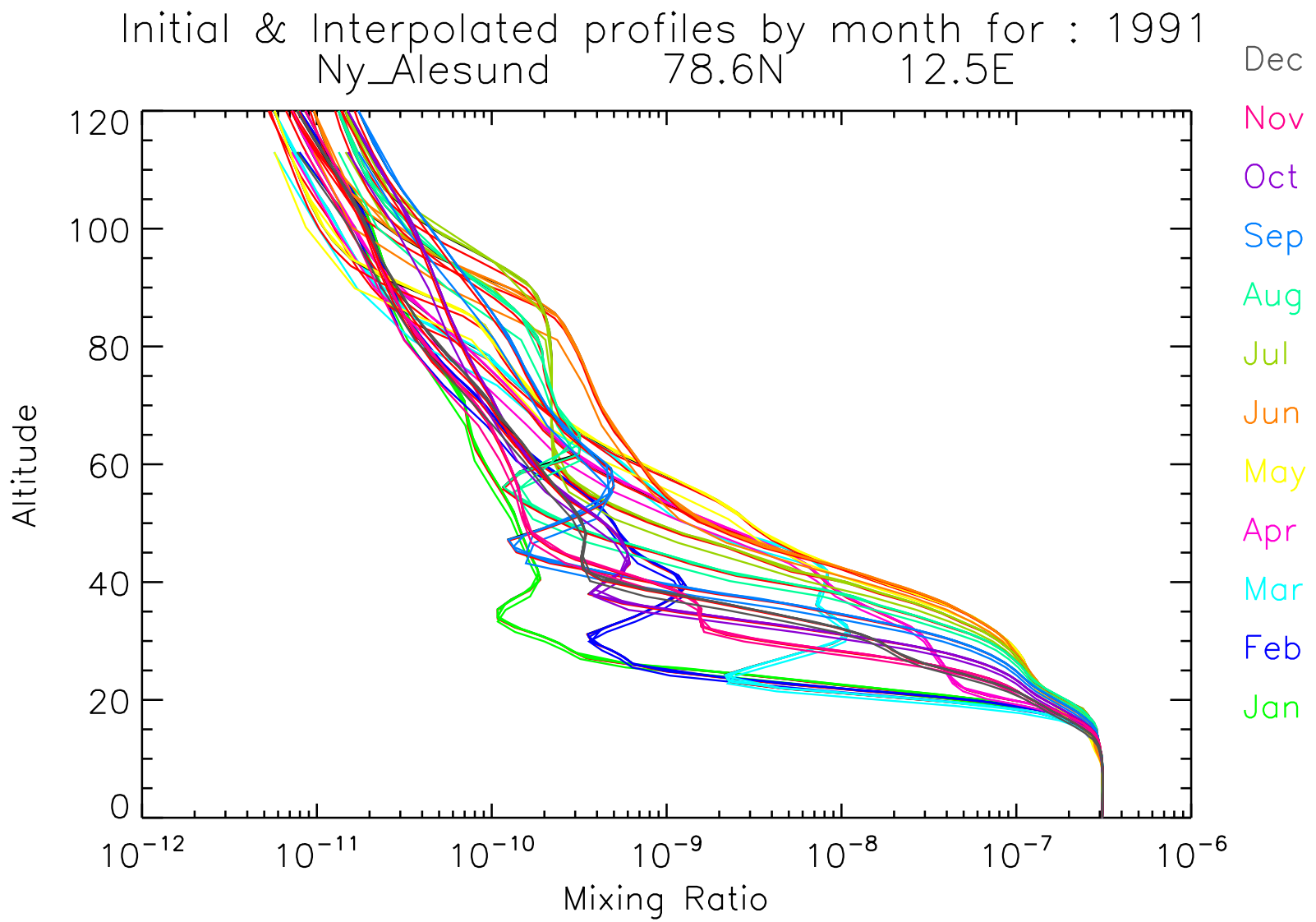
Initial & Interpolated profiles by month for : 1991
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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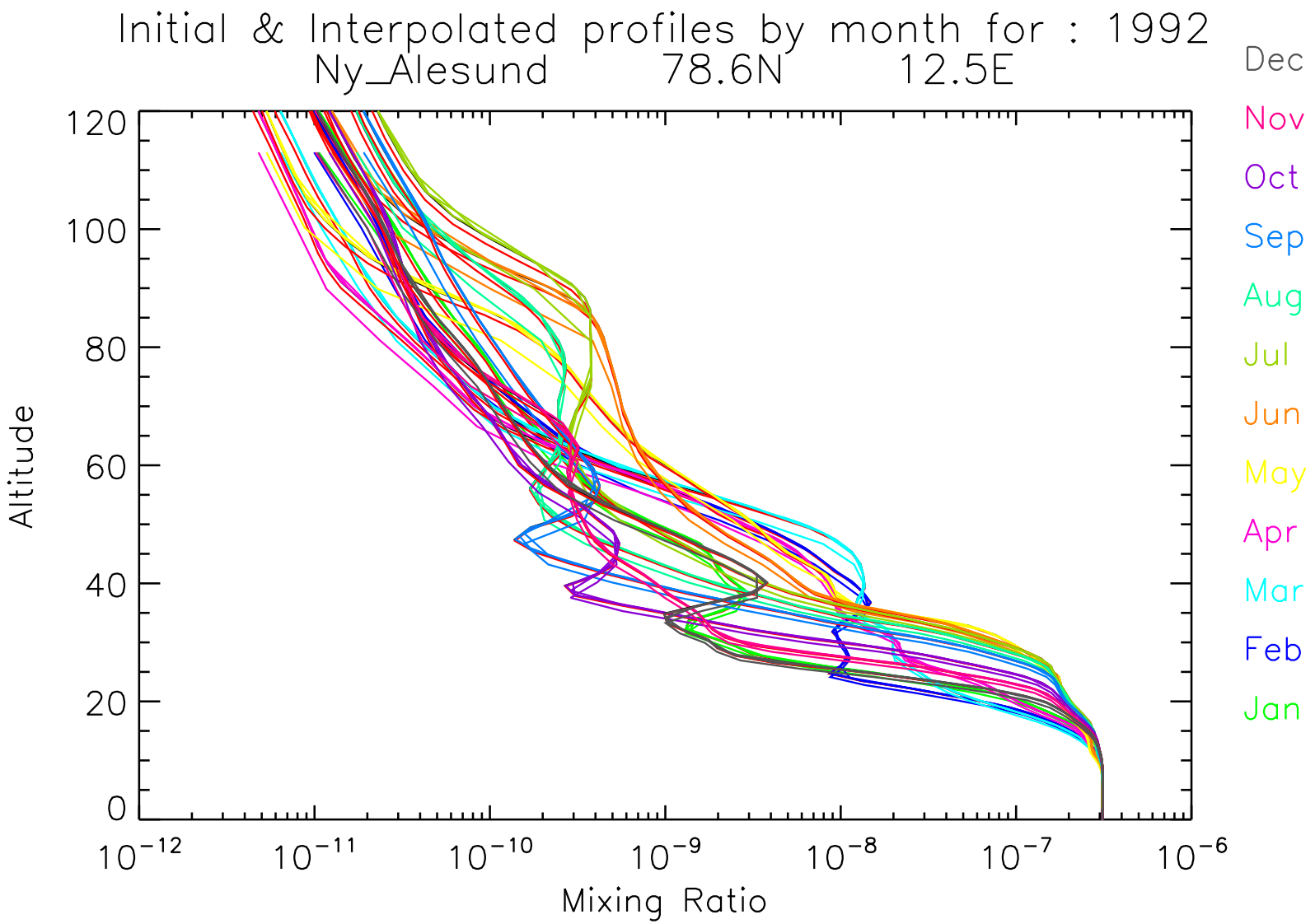
Initial & Interpolated profiles by month for : 1992
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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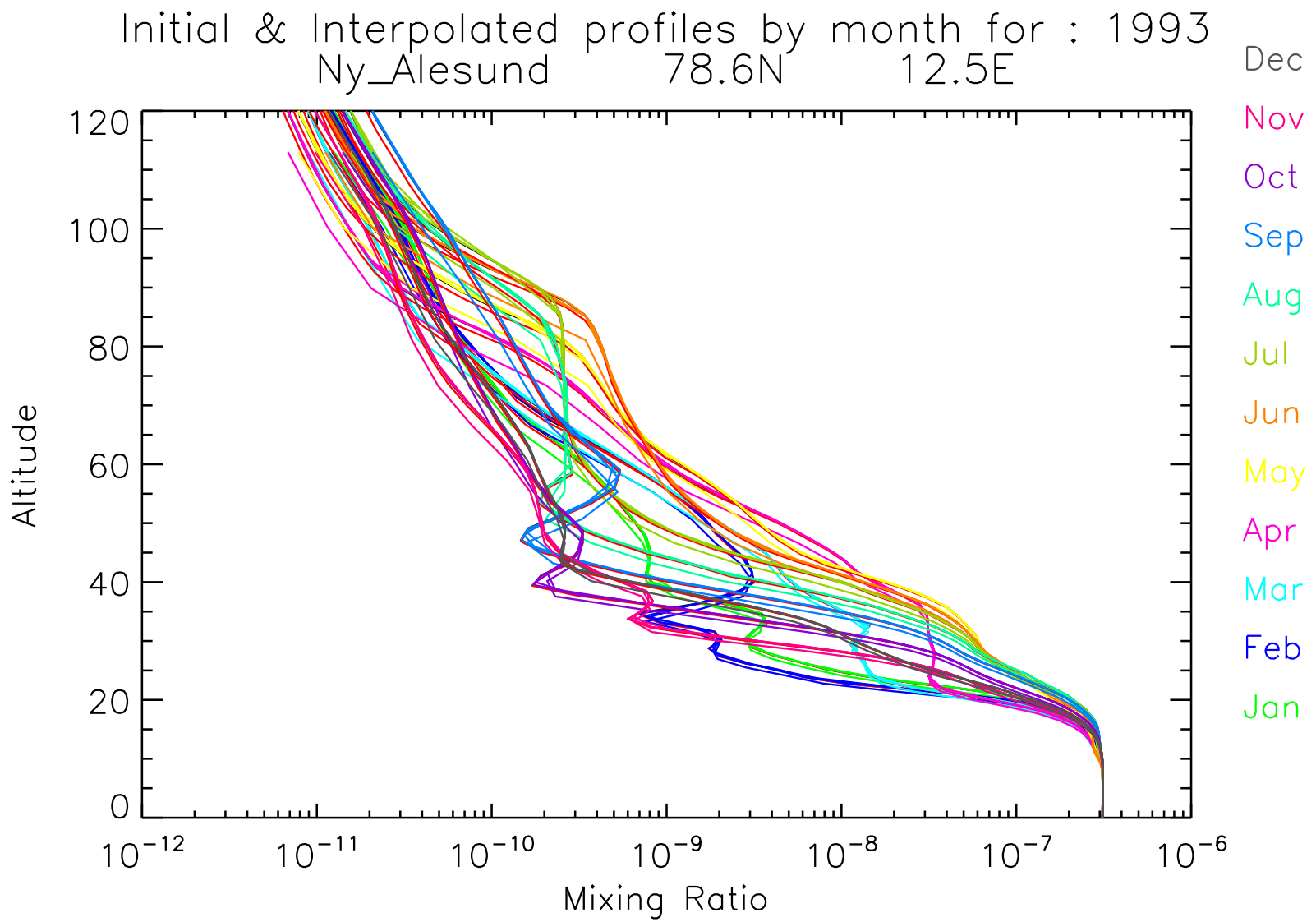
Initial & Interpolated profiles by month for : 1993
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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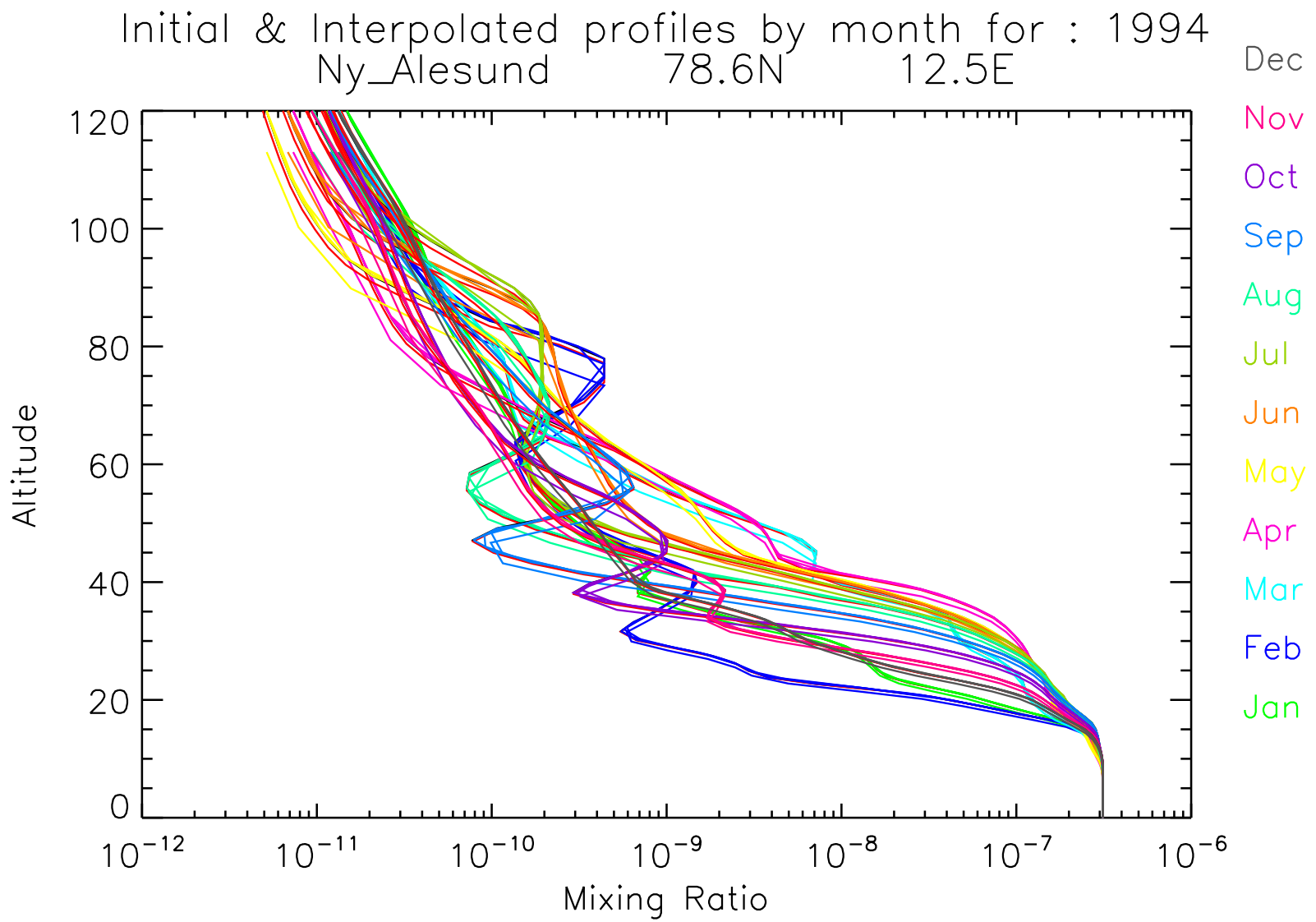
Initial & Interpolated profiles by month for : 1994
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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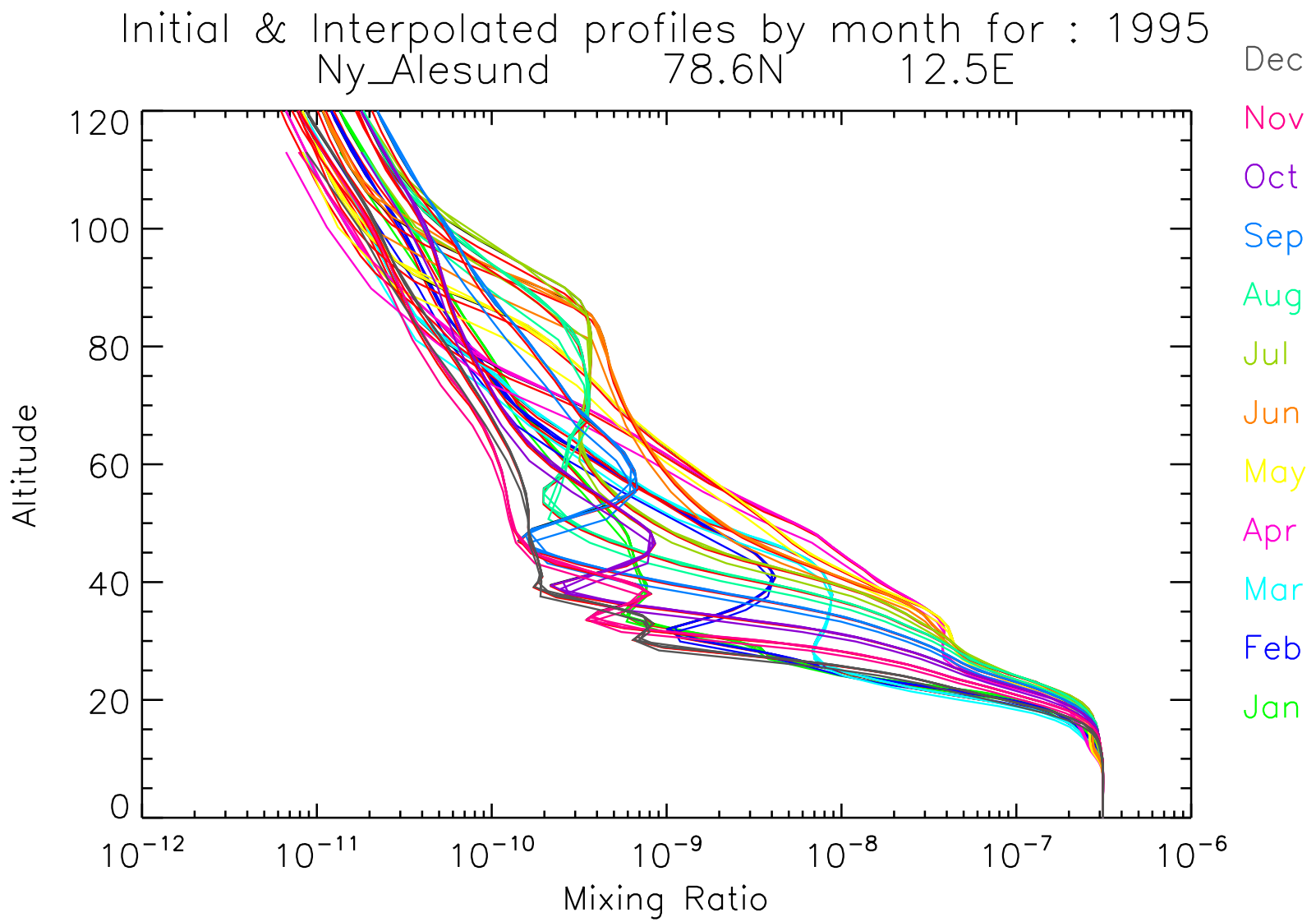
Initial & Interpolated profiles by month for : 1995
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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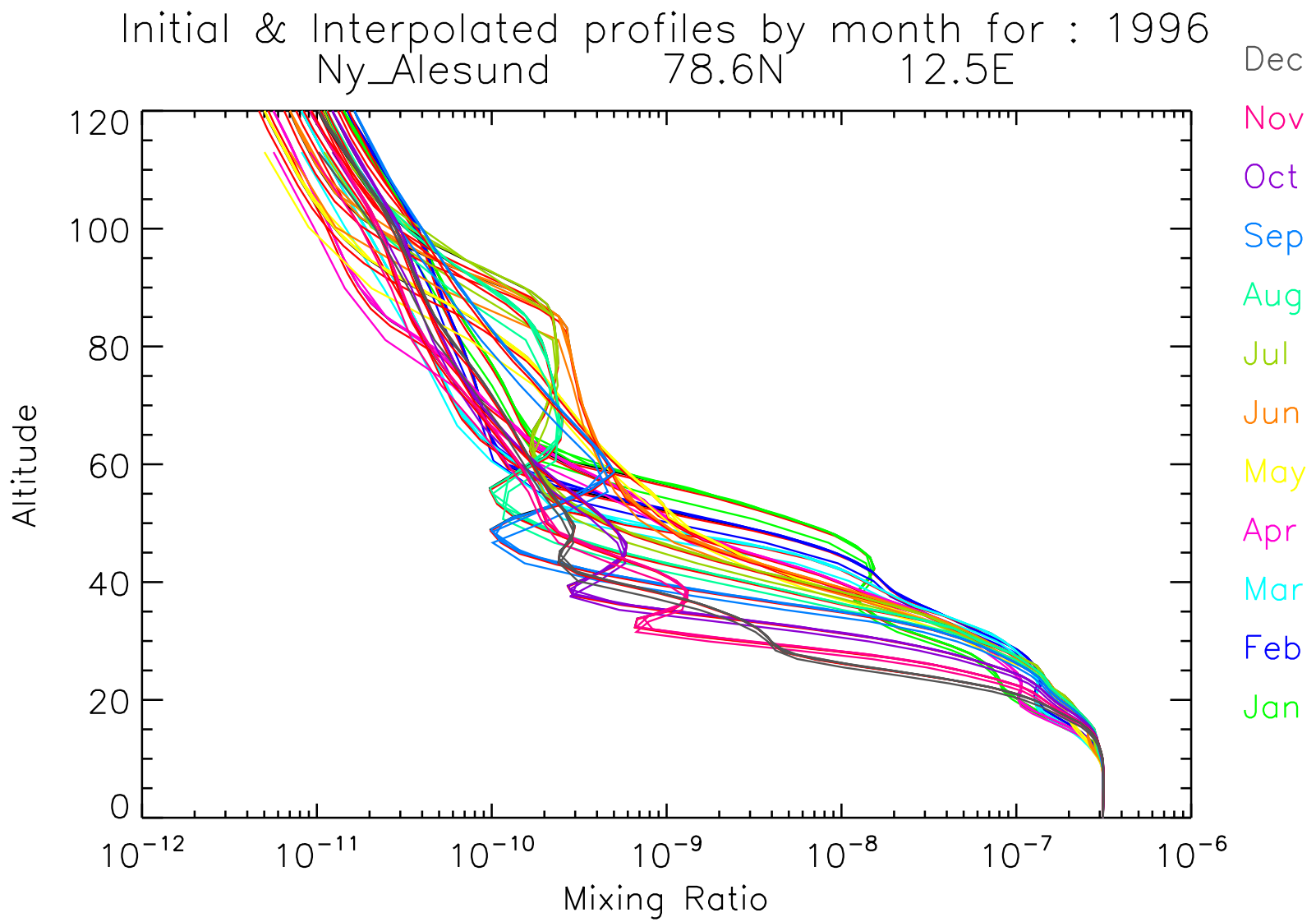
Initial & Interpolated profiles by month for : 1996
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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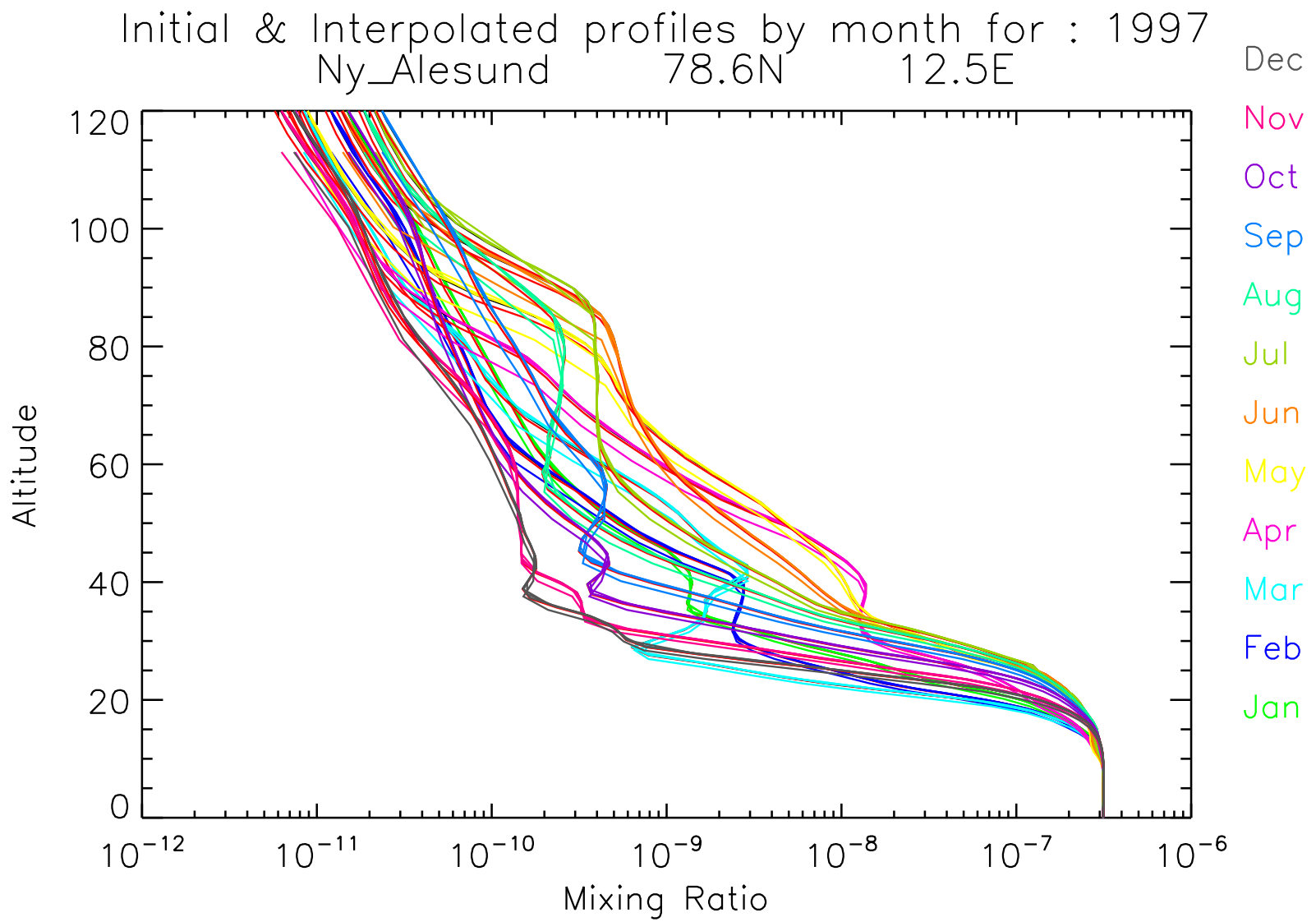
Initial & Interpolated profiles by month for : 1997
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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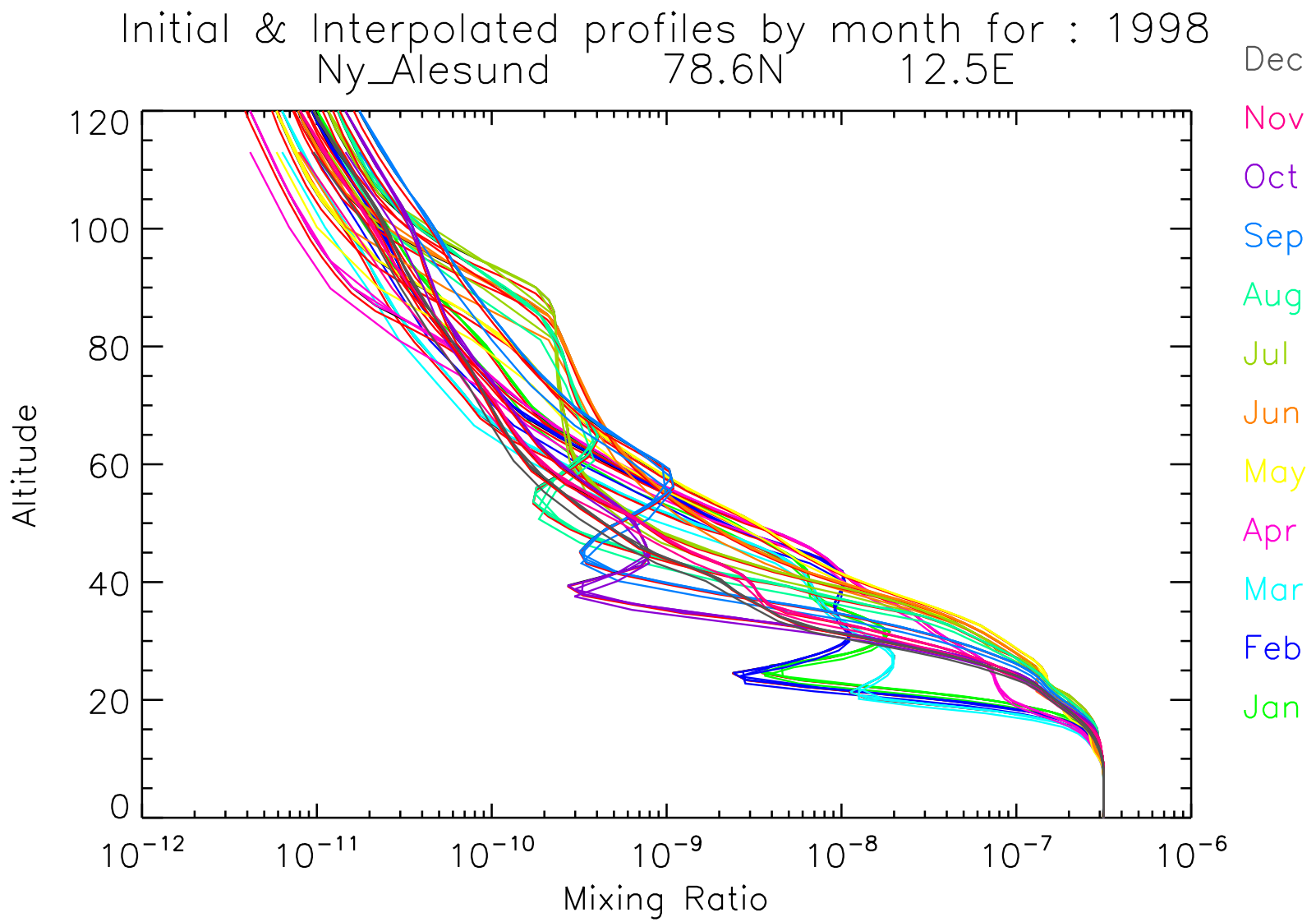
Initial & Interpolated profiles by month for : 1998
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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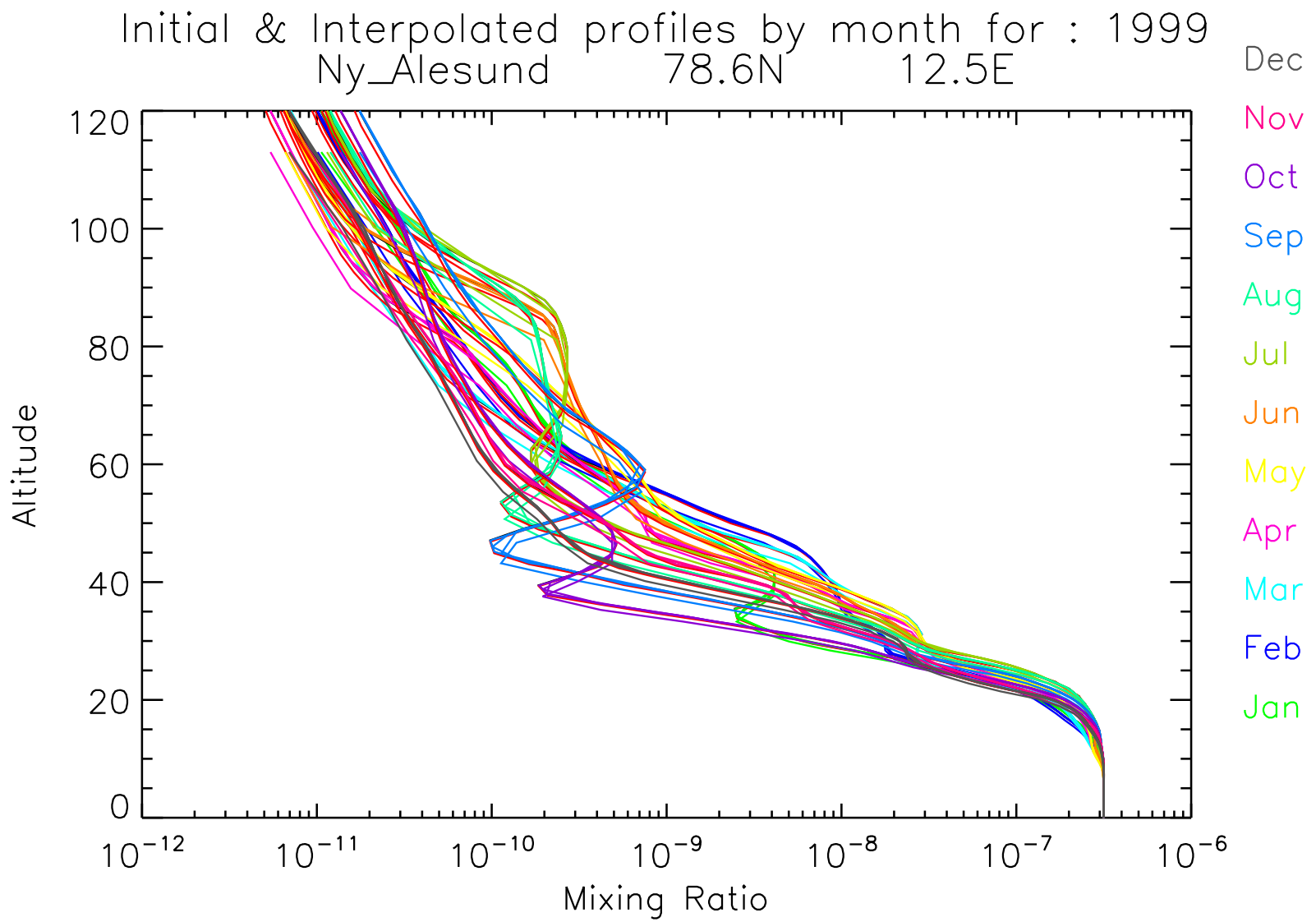
Initial & Interpolated profiles by month for : 1999
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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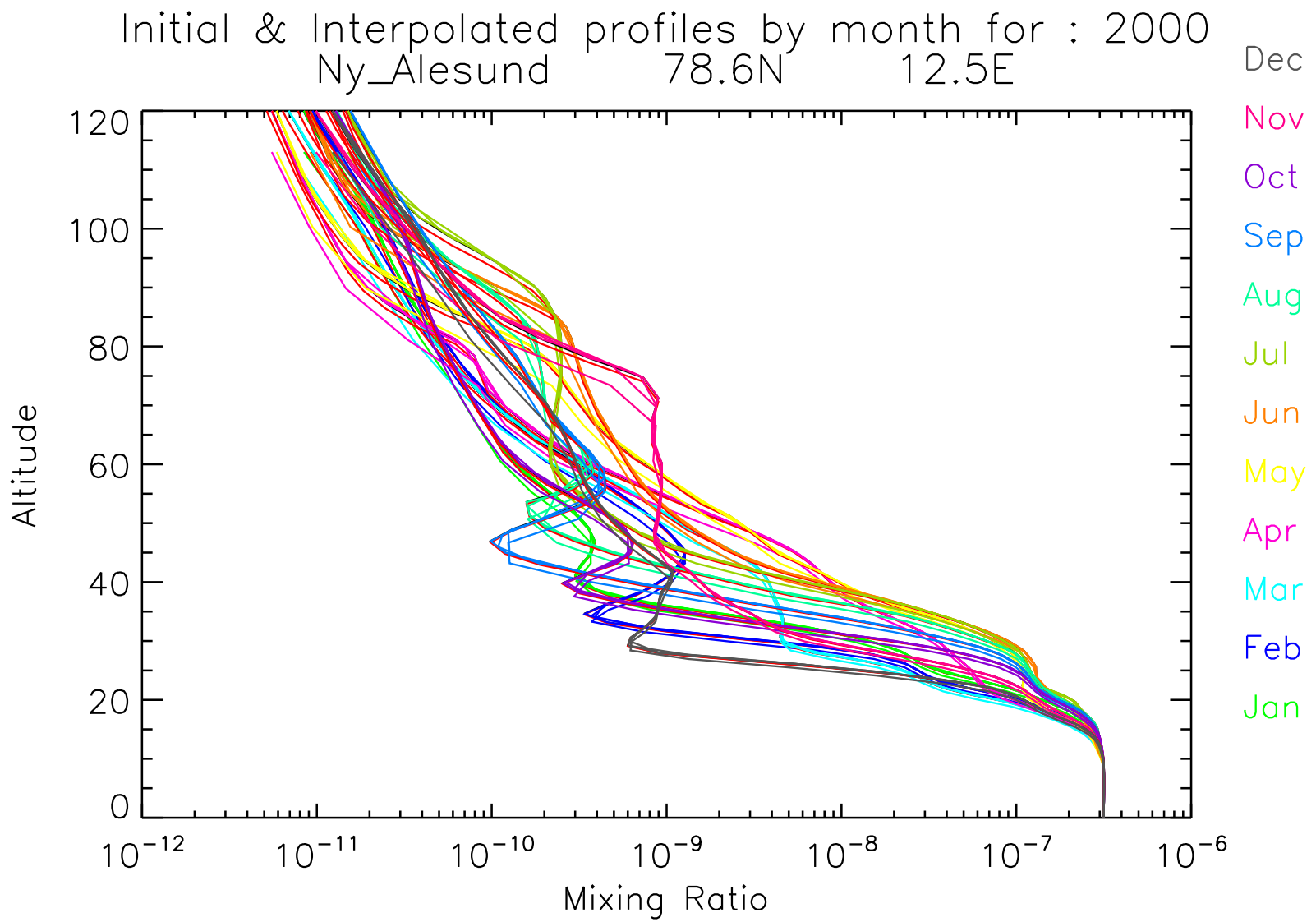
Initial & Interpolated profiles by month for : 2000
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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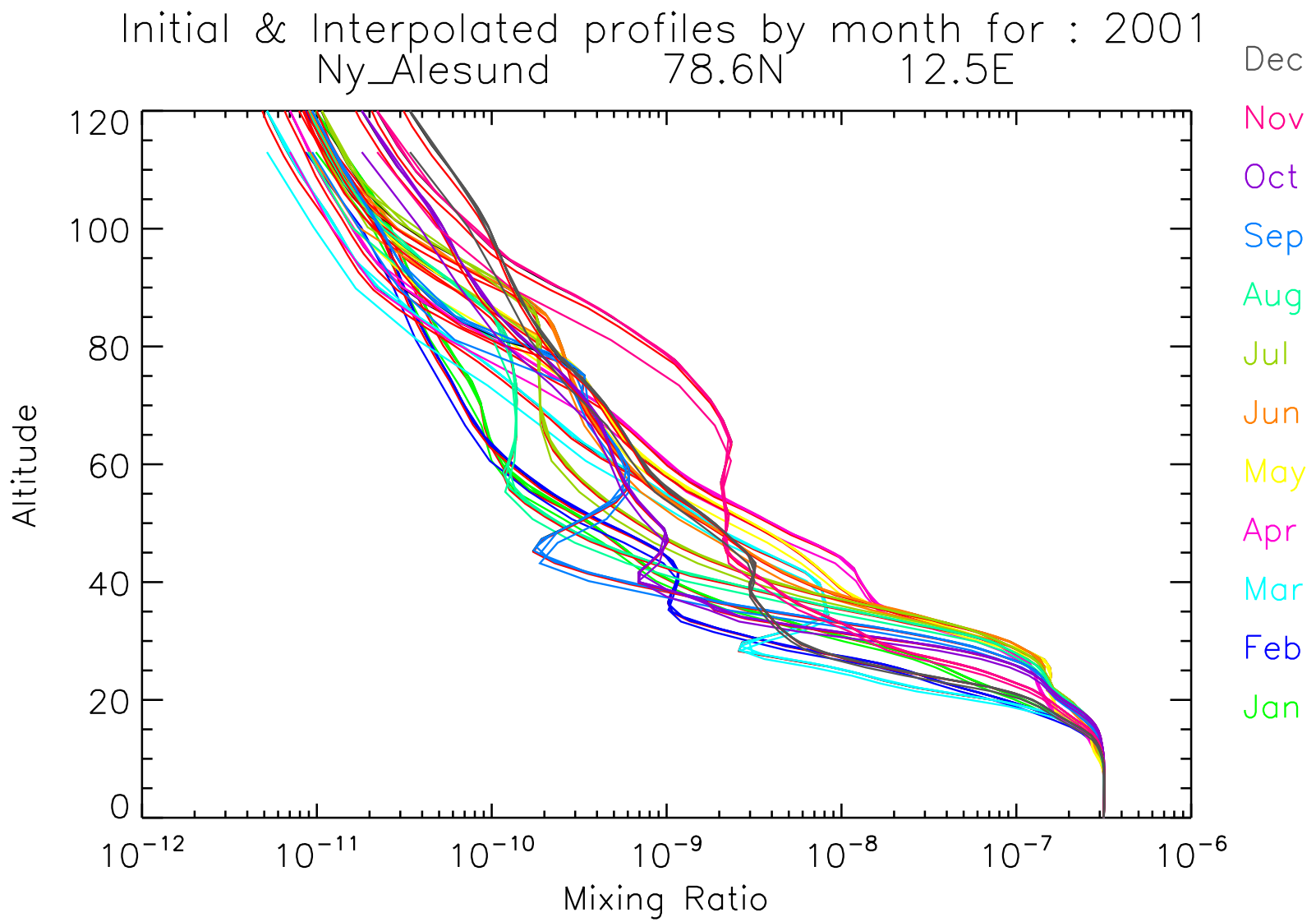
Initial & Interpolated profiles by month for : 2001
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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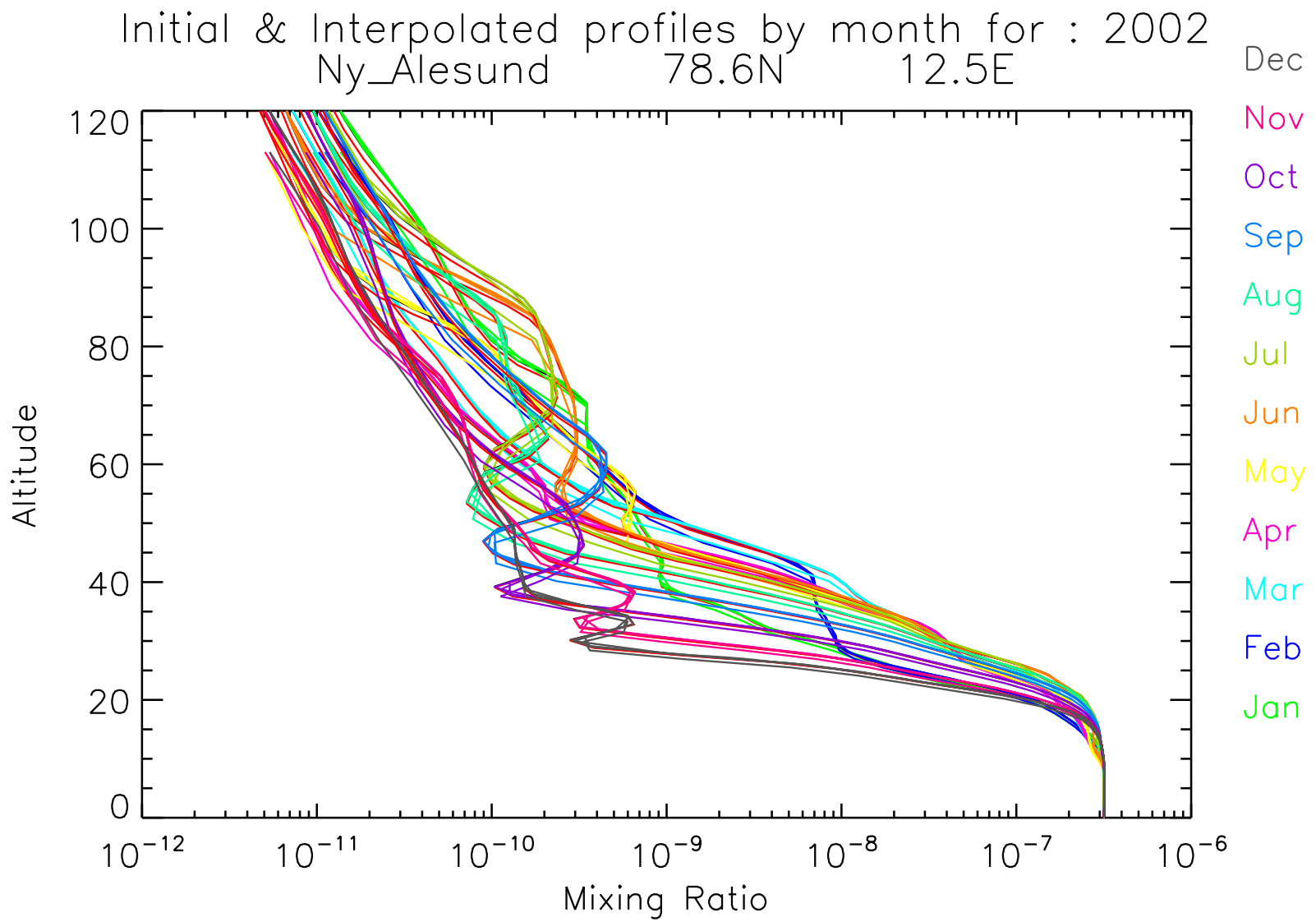
Initial & Interpolated profiles by month for : 2002
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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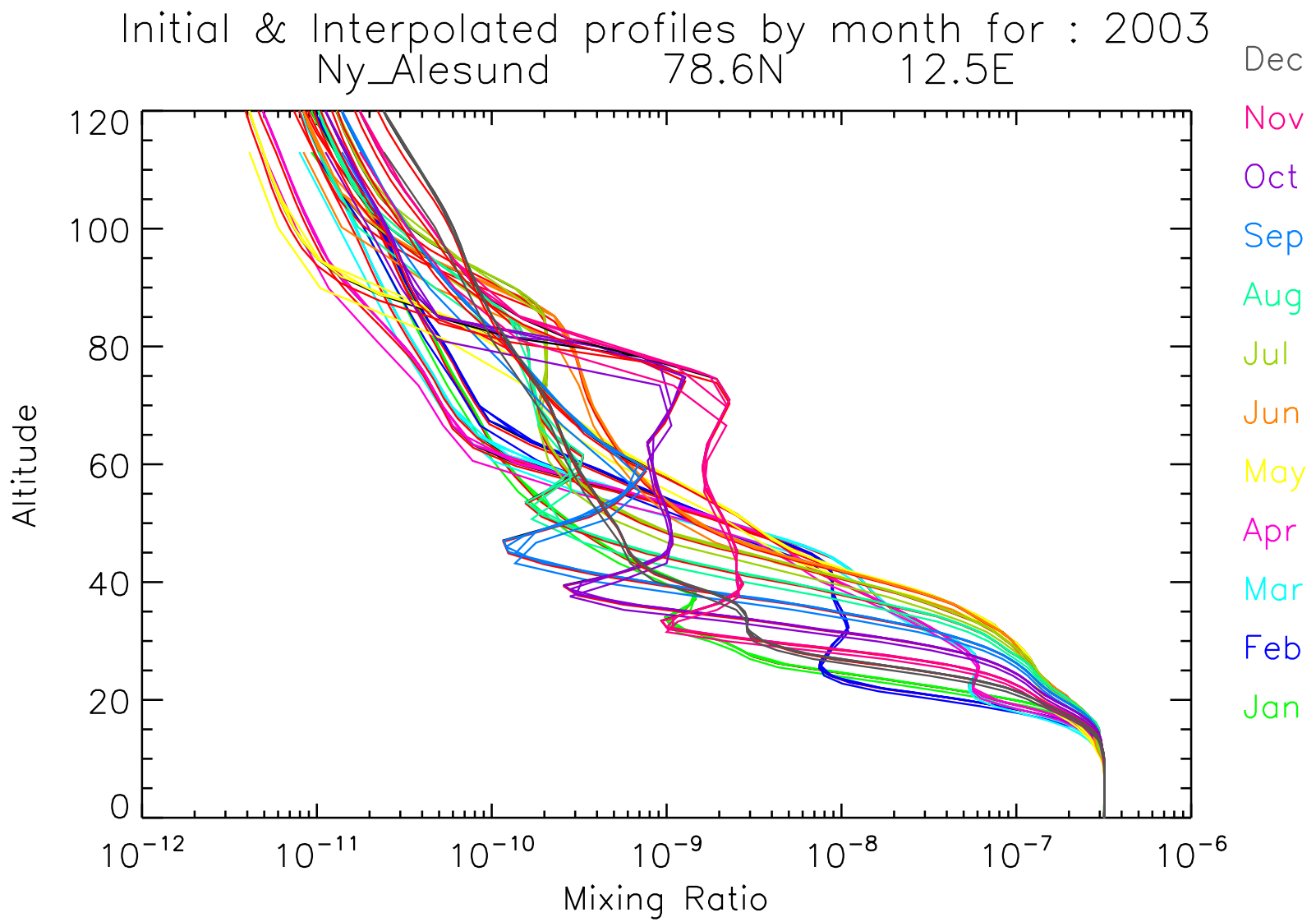
Initial & Interpolated profiles by month for : 2003
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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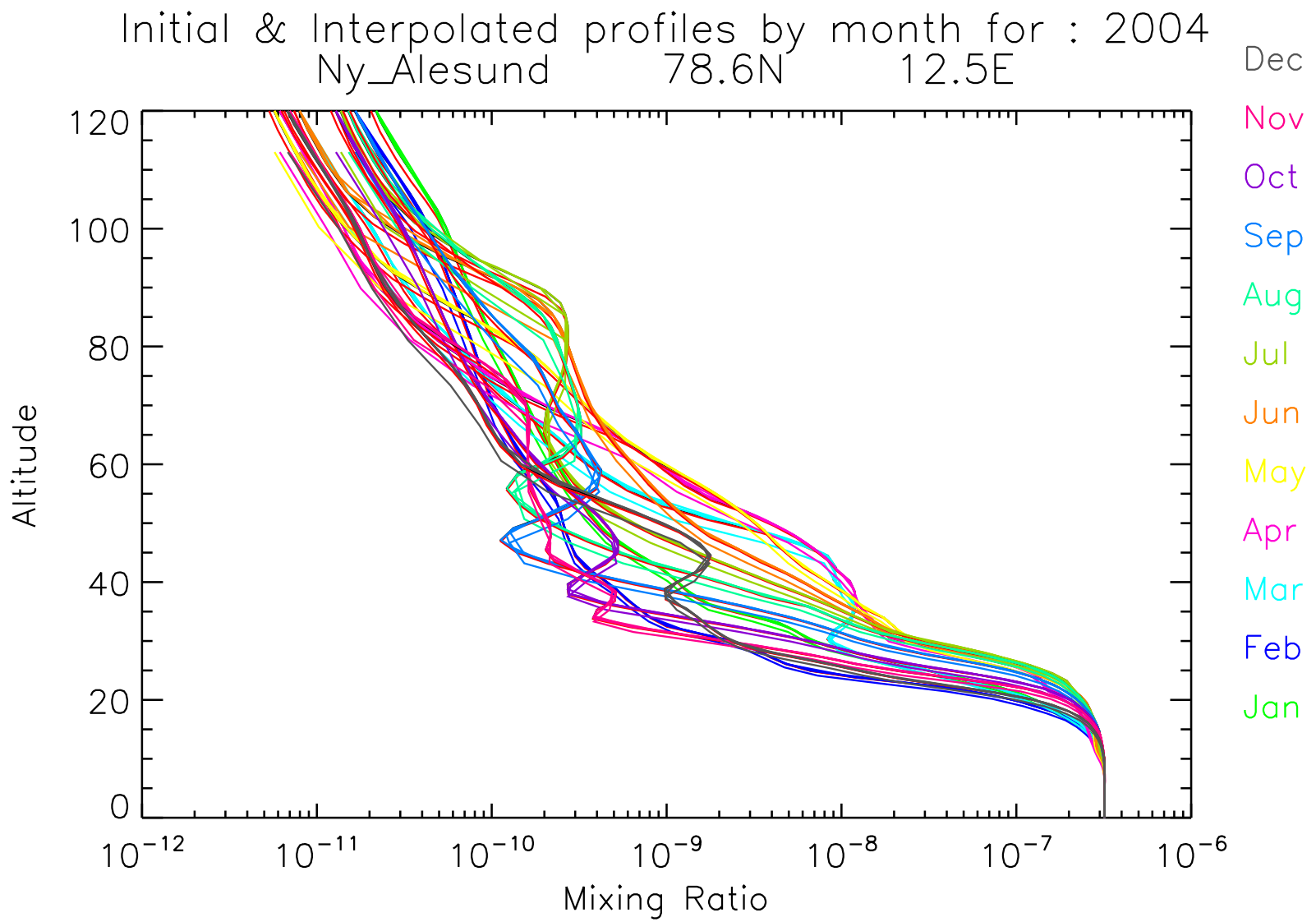
Initial & Interpolated profiles by month for : 2004
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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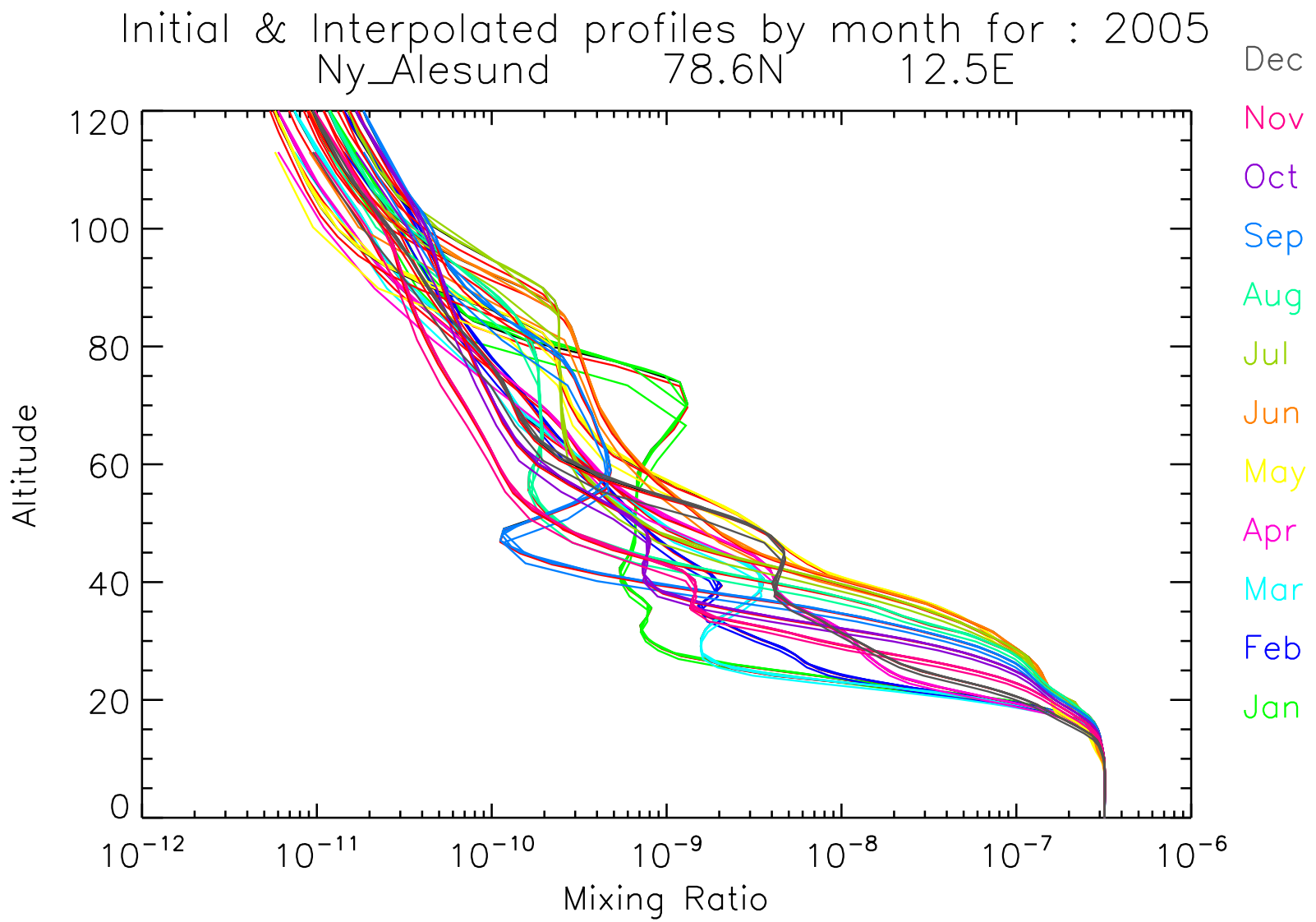
Initial & Interpolated profiles by month for : 2005
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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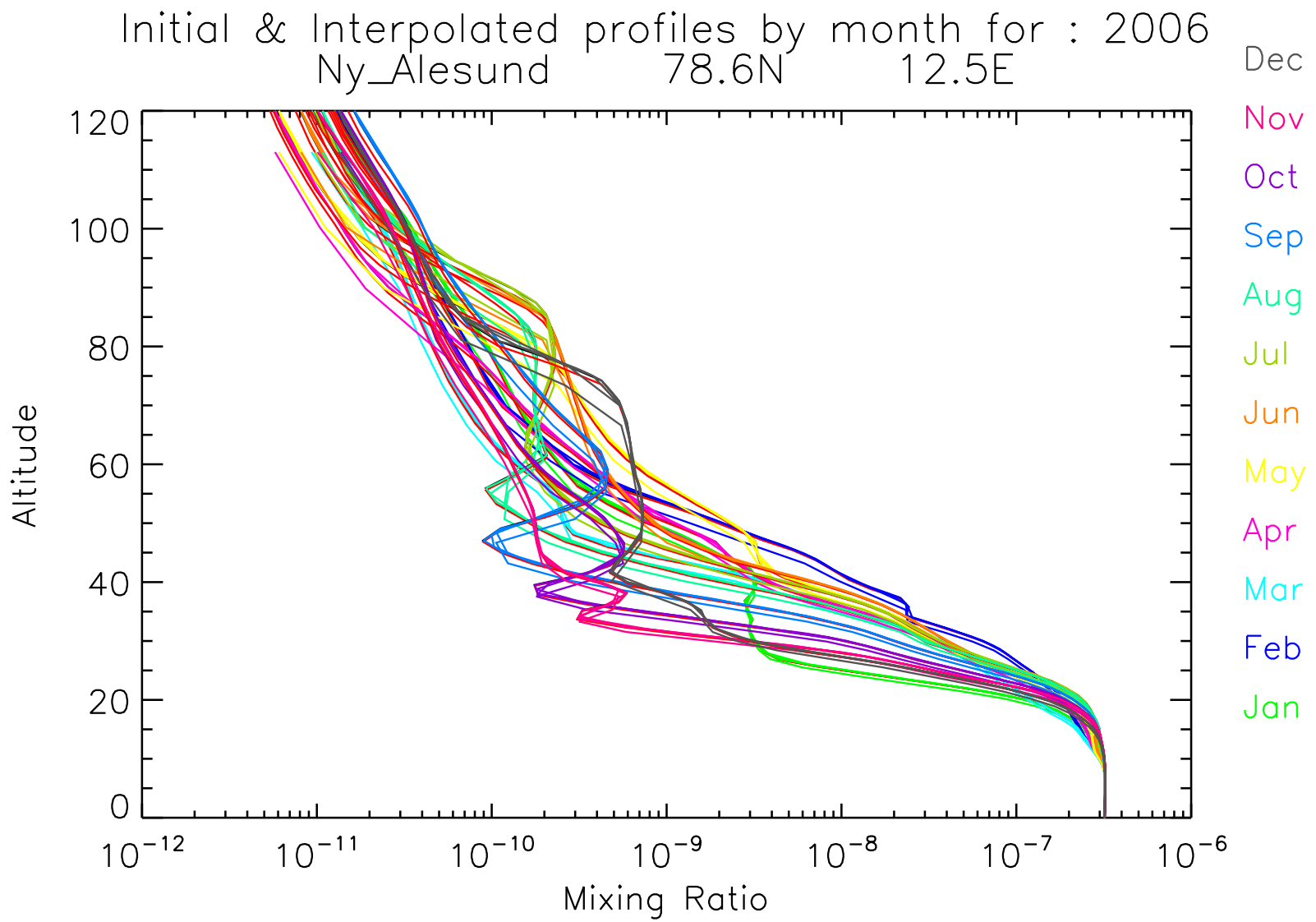
Initial & Interpolated profiles by month for : 2006
Ny_Alesund 78.6N 12.5E
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Altitude
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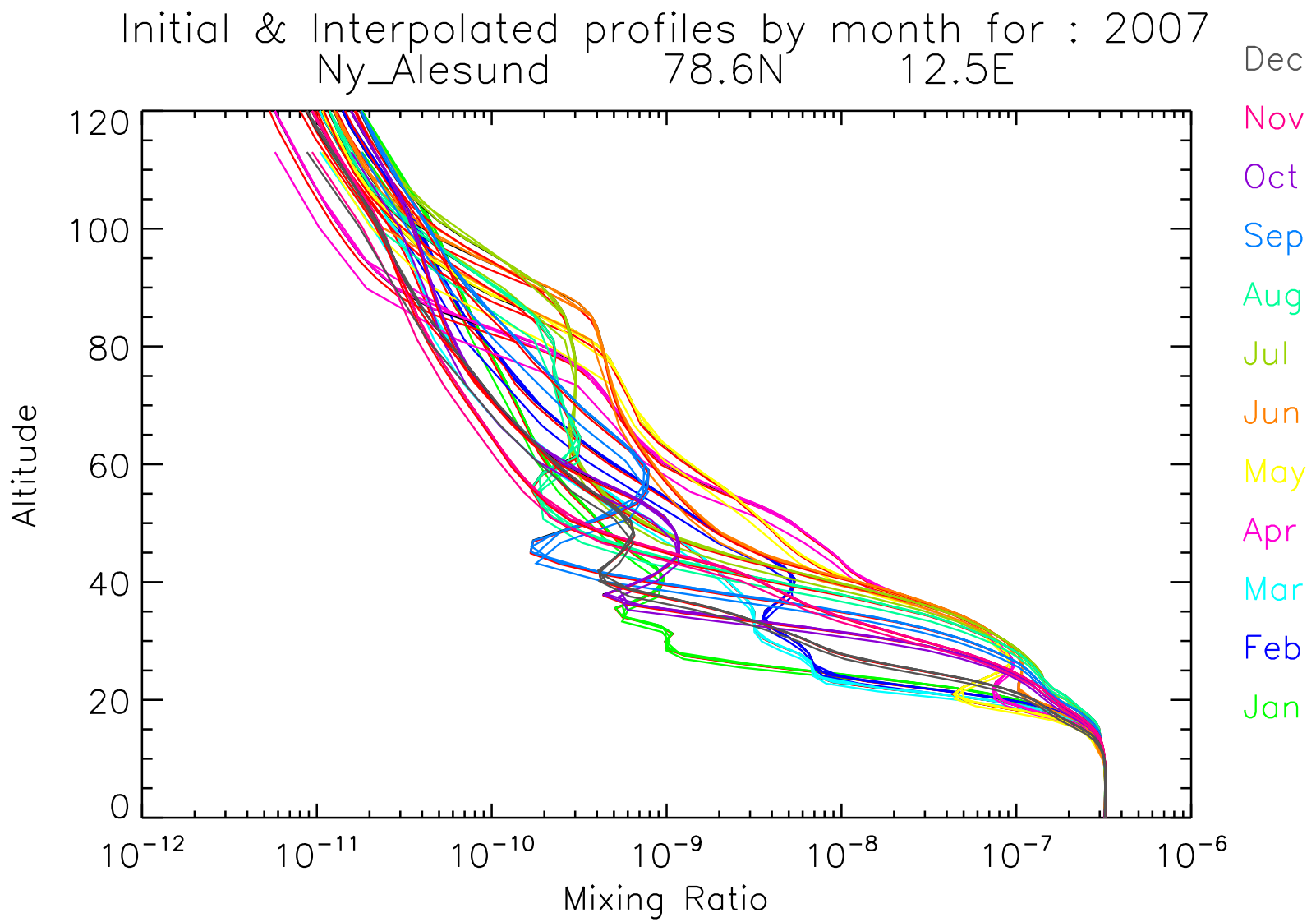
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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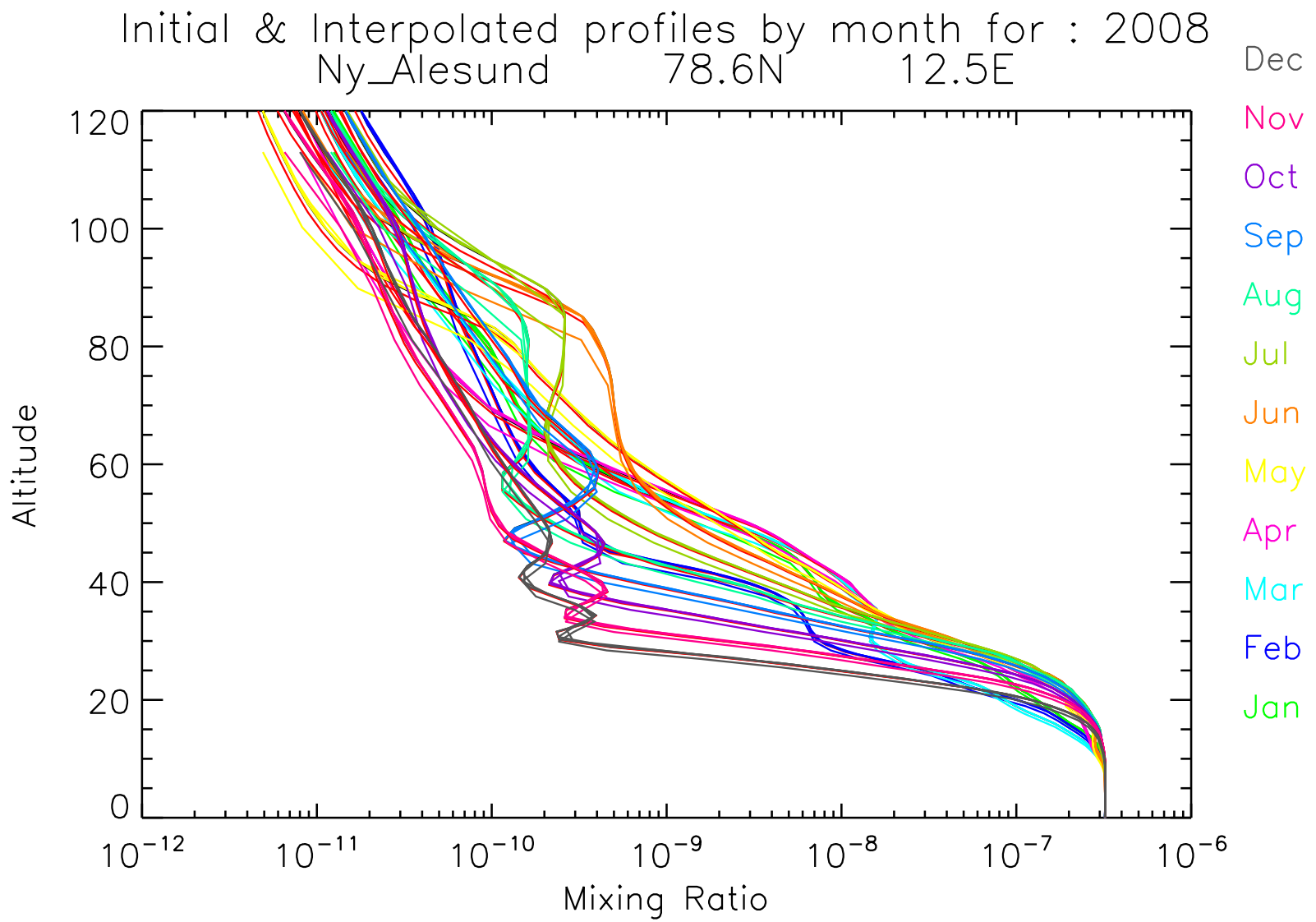
Initial & Interpolated profiles by month for : 2008
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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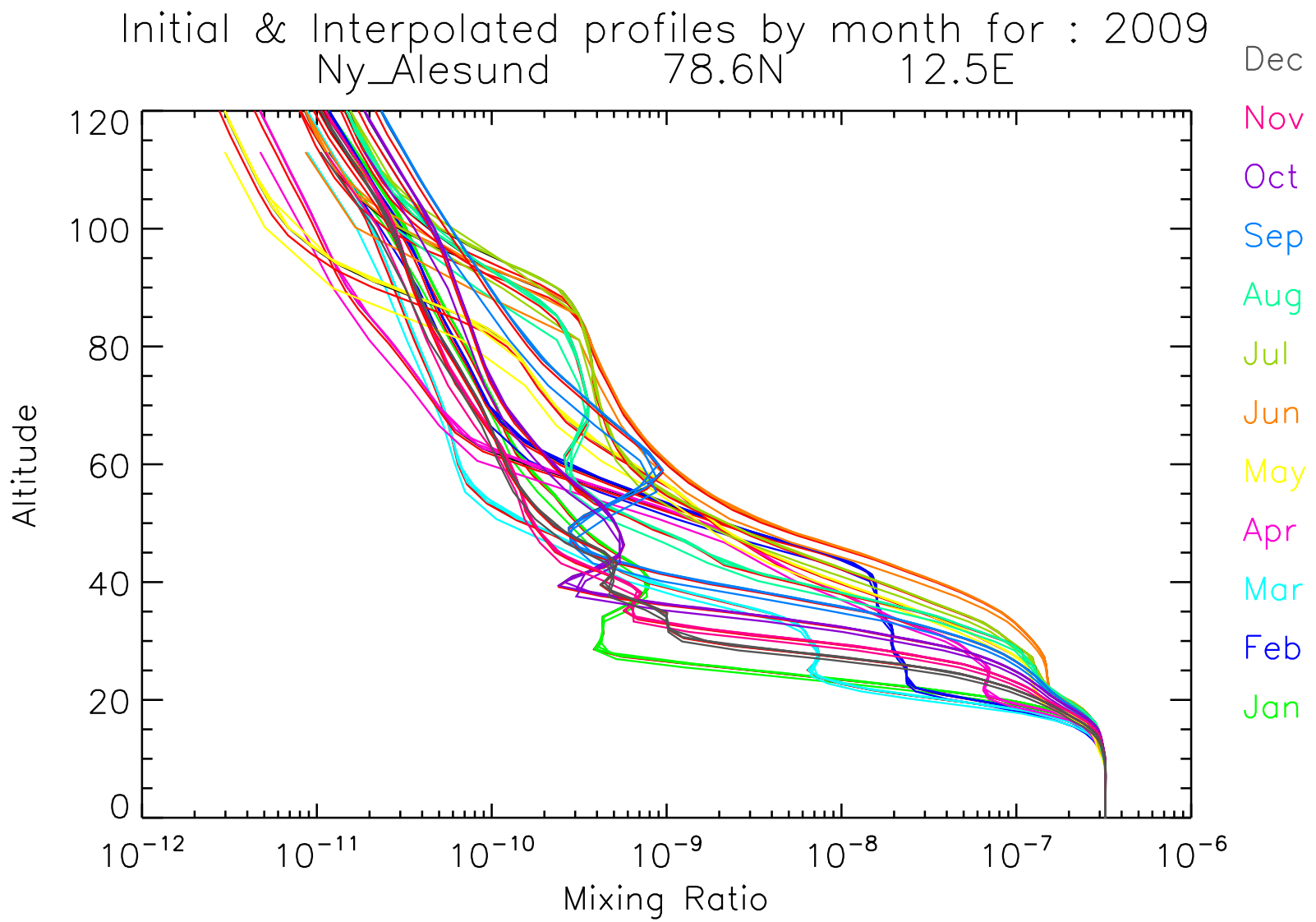
Initial & Interpolated profiles by month for : 2009
Ny_Alesund 78.6N 12.5E
Altitude
Mixing Ratio
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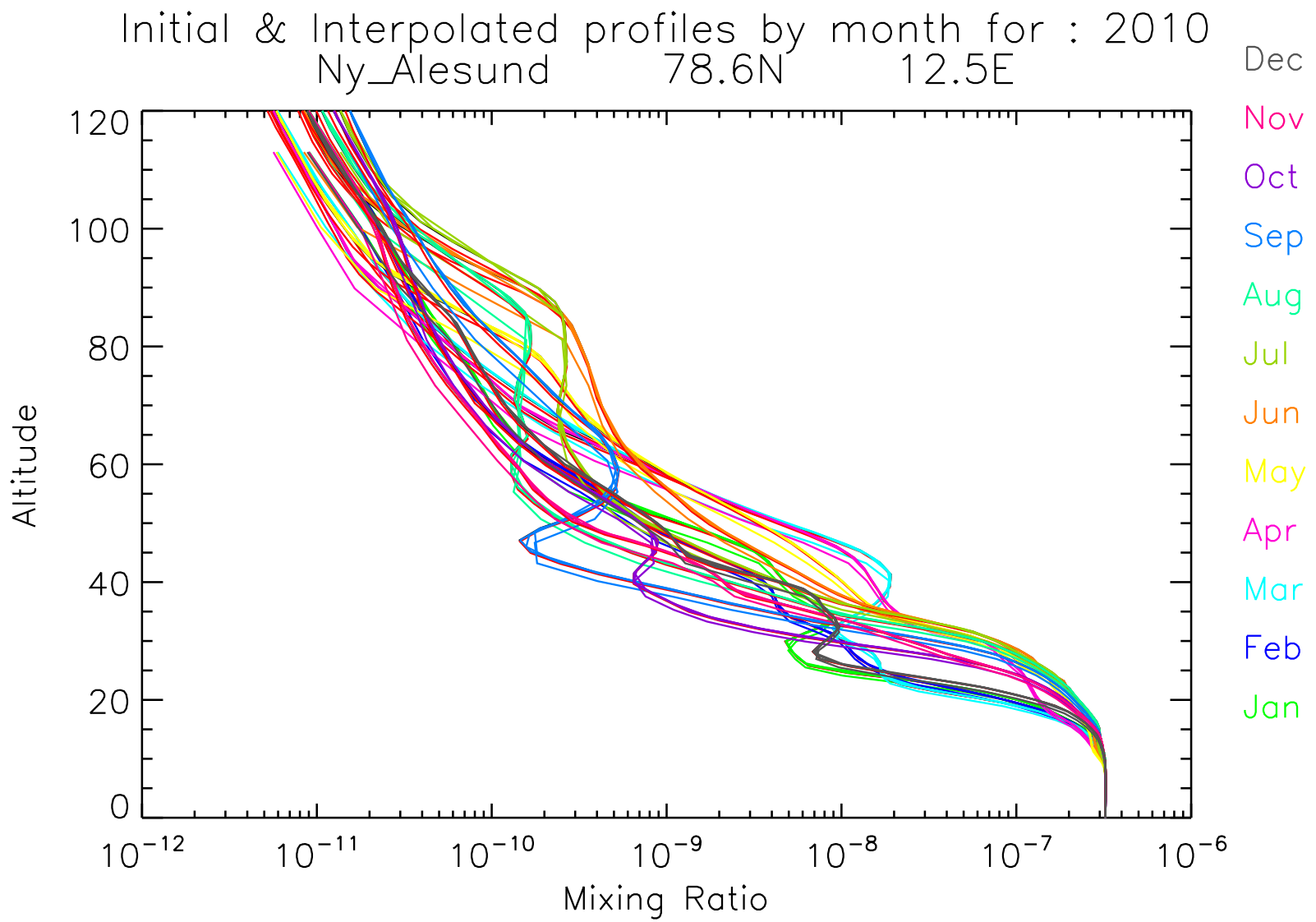
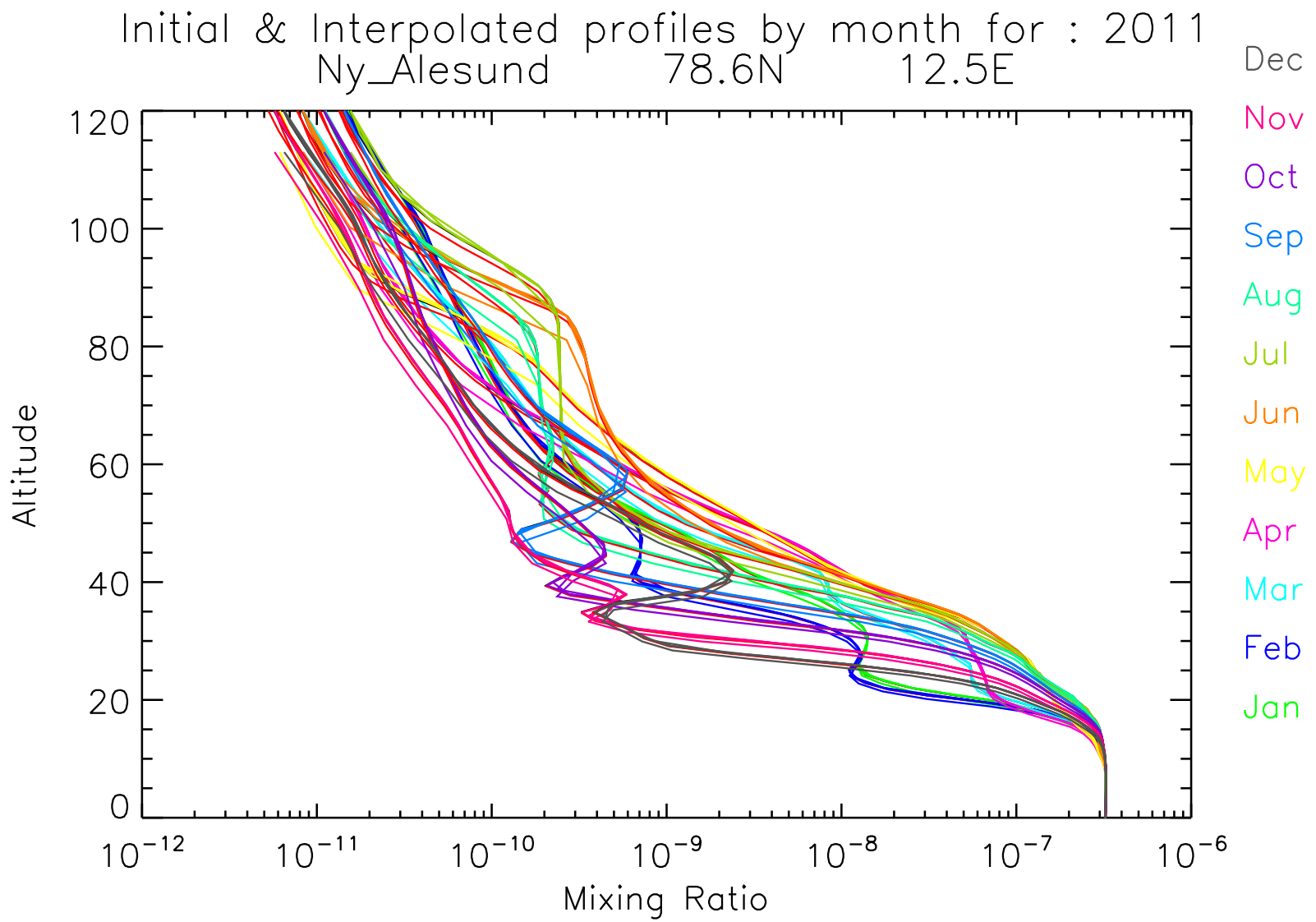
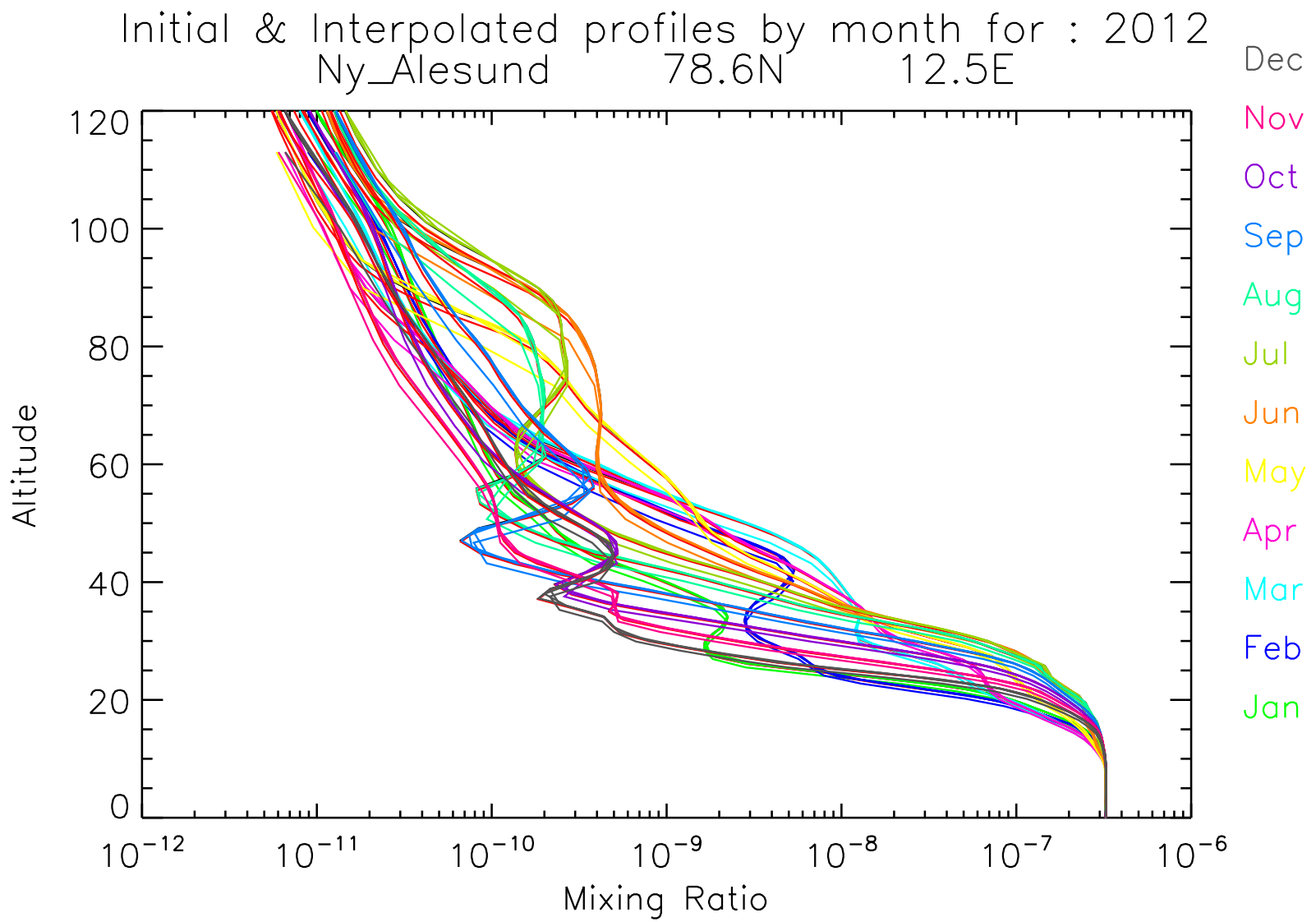
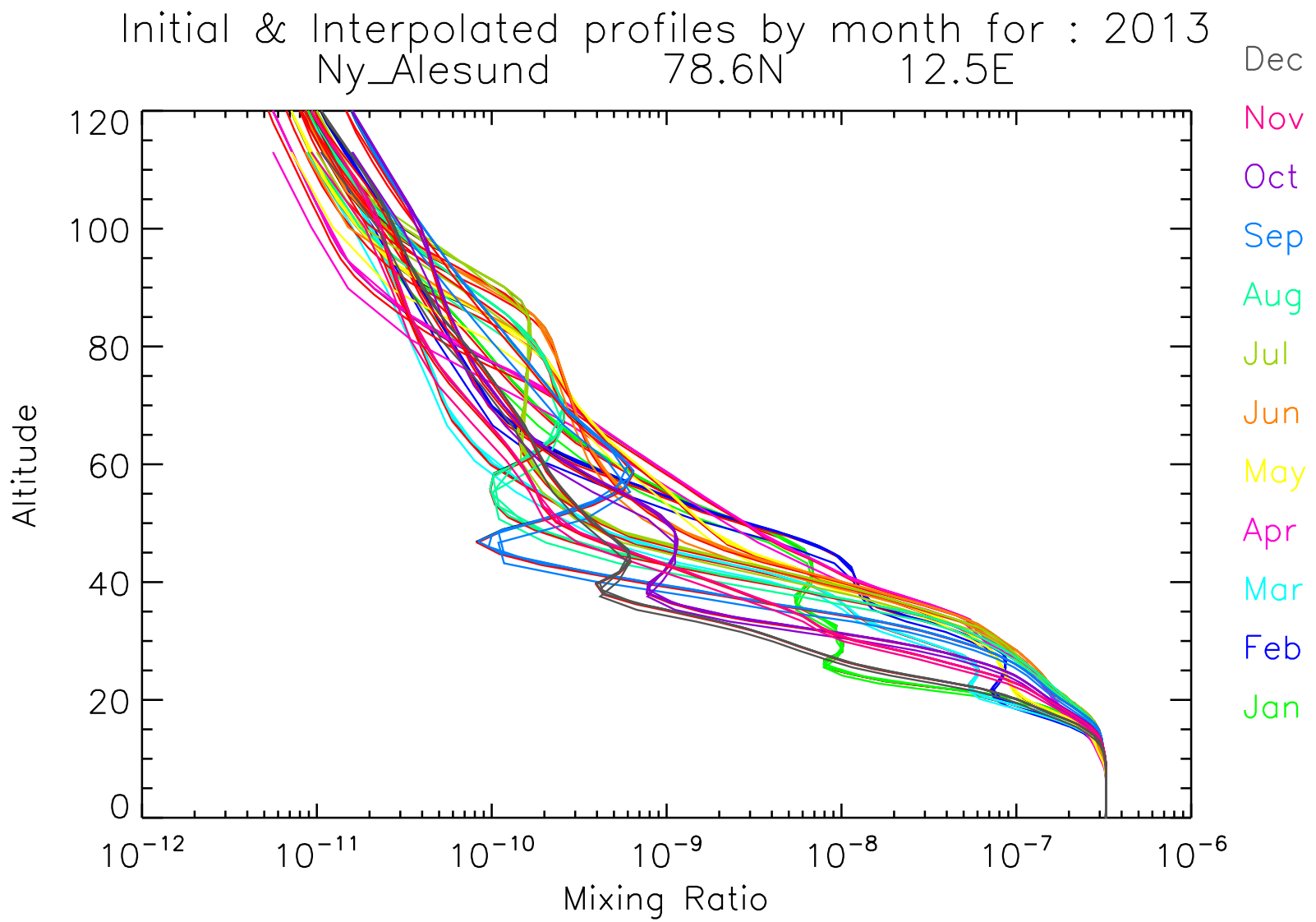
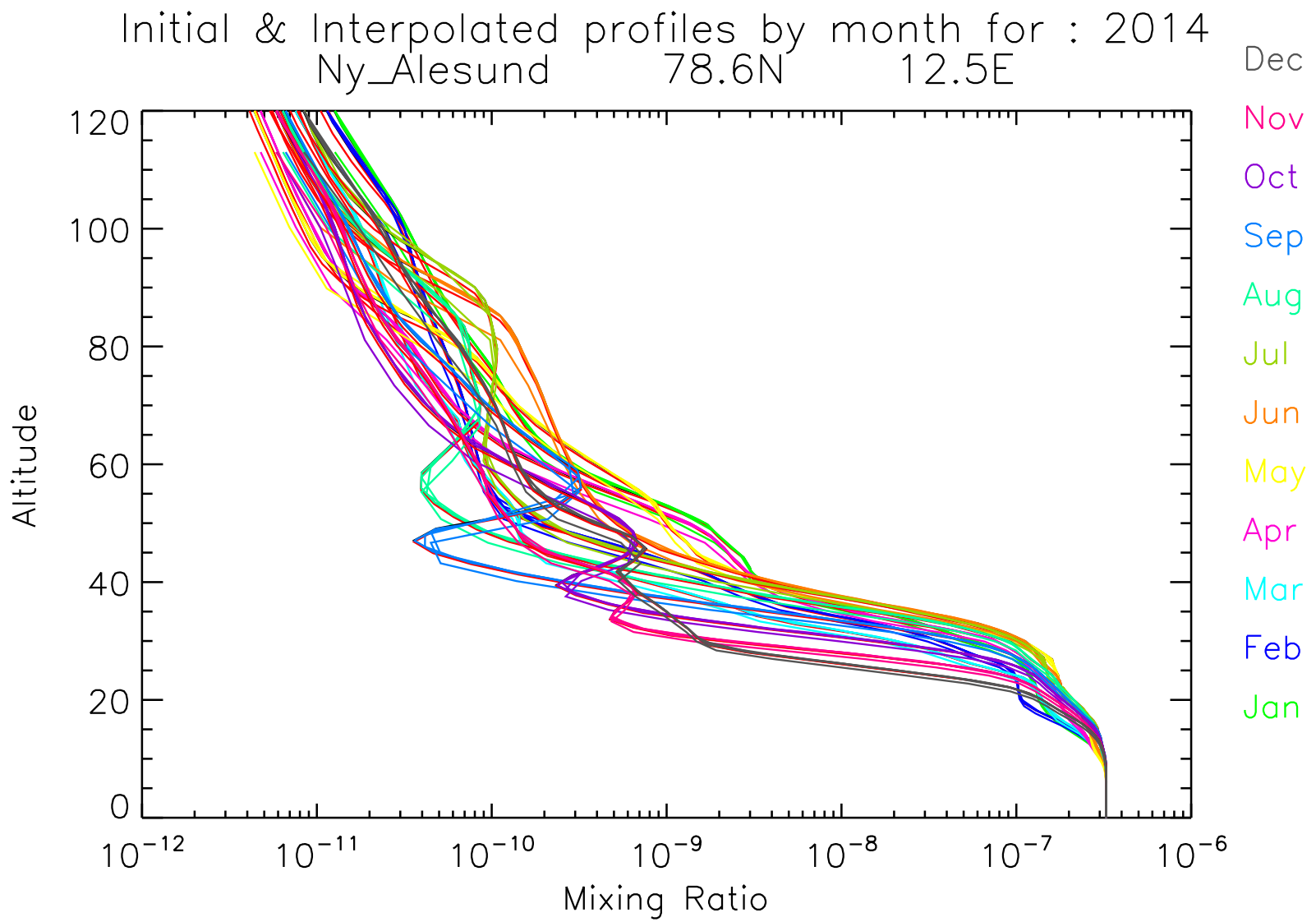
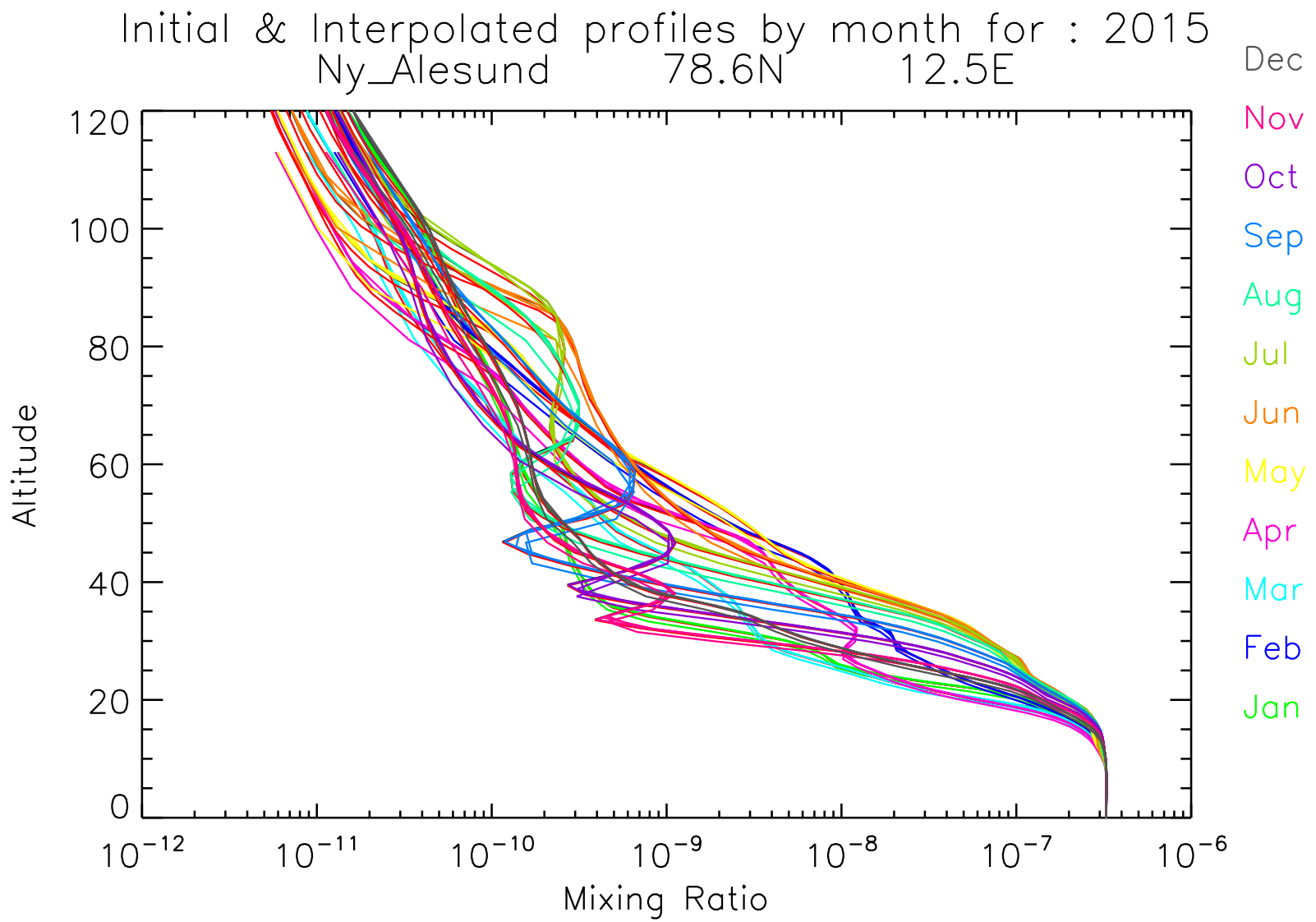

Initial & Interpolated profiles by month for : 2010
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

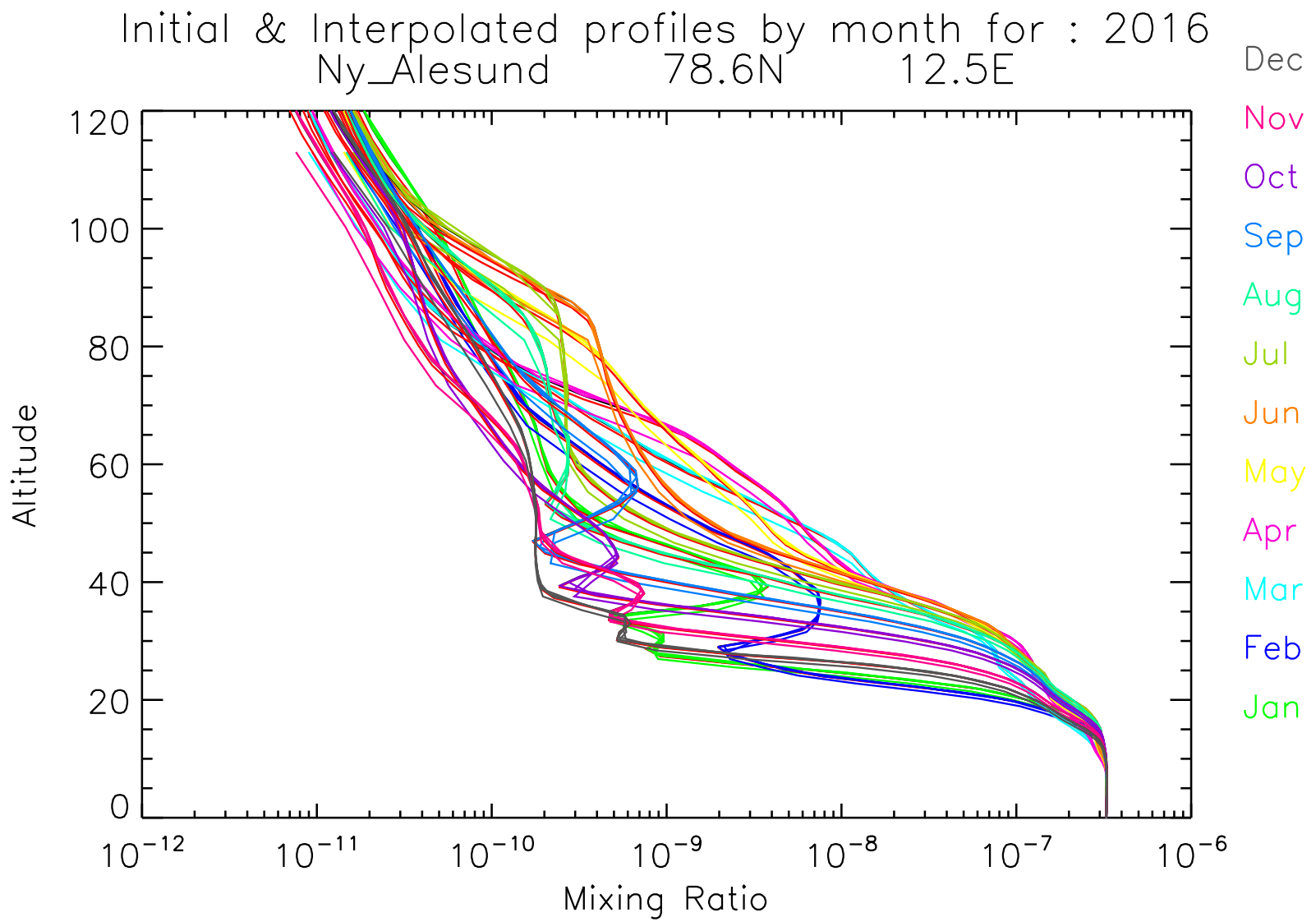

Initial & Interpolated profiles by month for : 2011
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

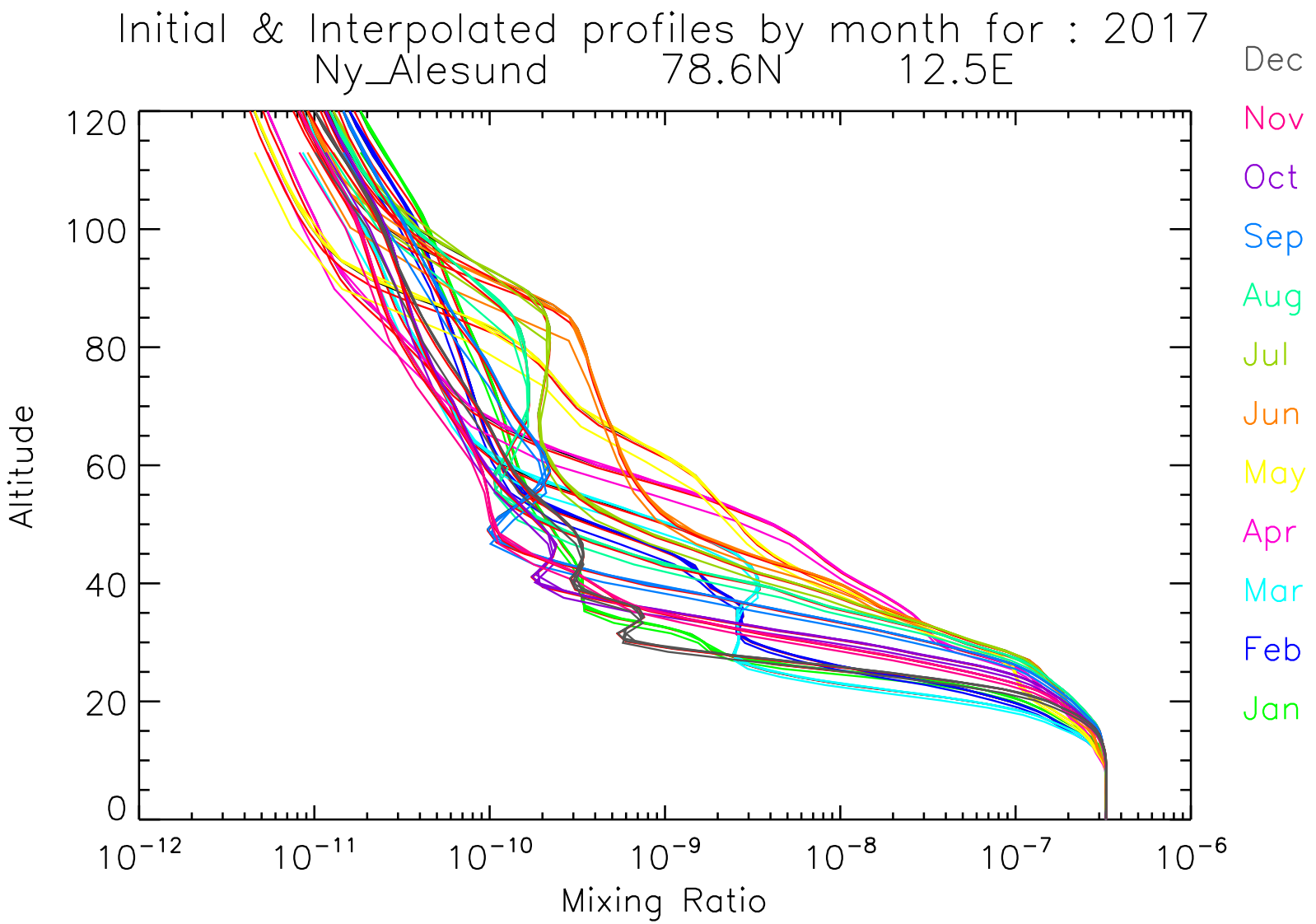

Initial & Interpolated profiles by month for : 2012
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

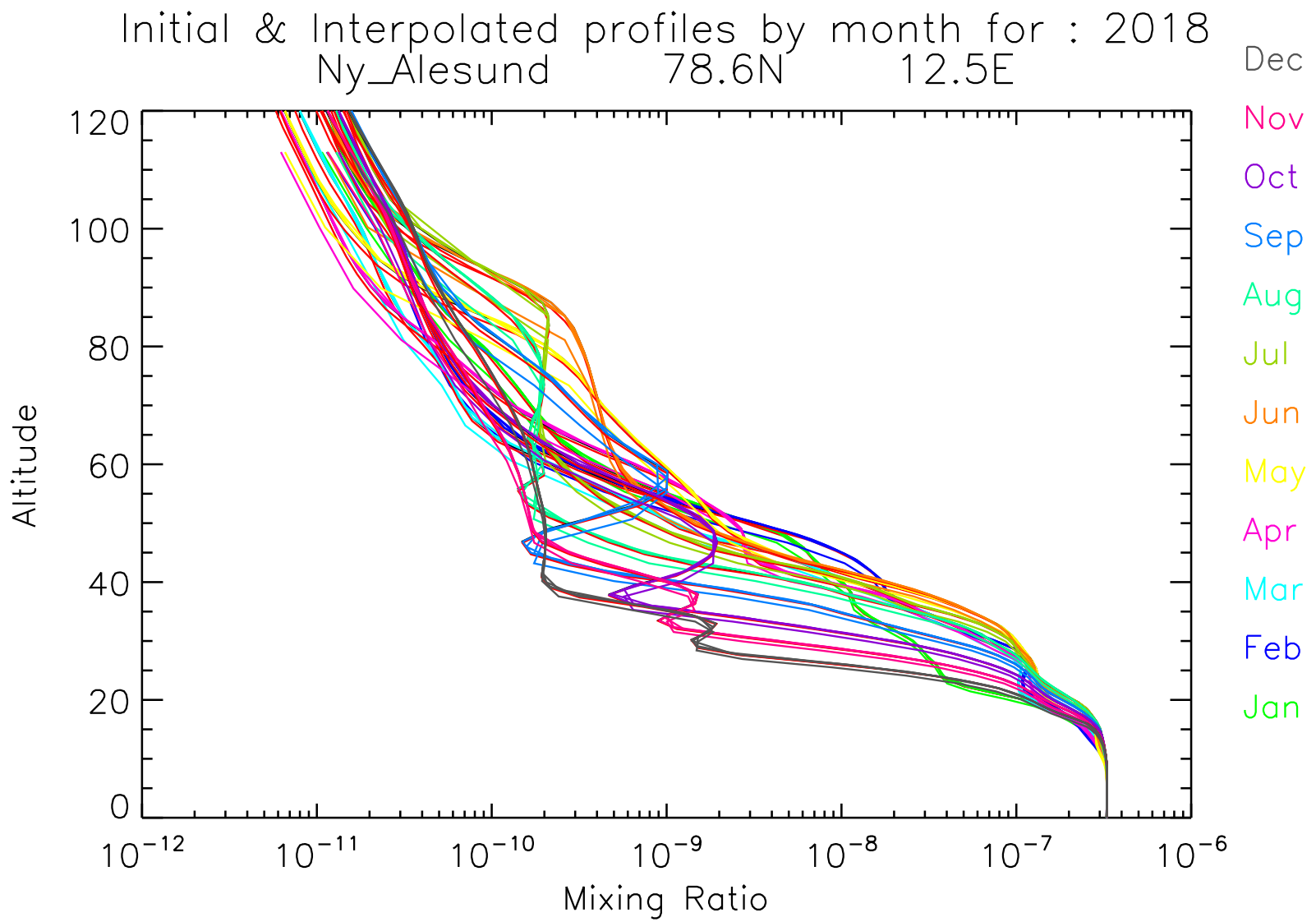

Initial & Interpolated profiles by month for : 2013
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

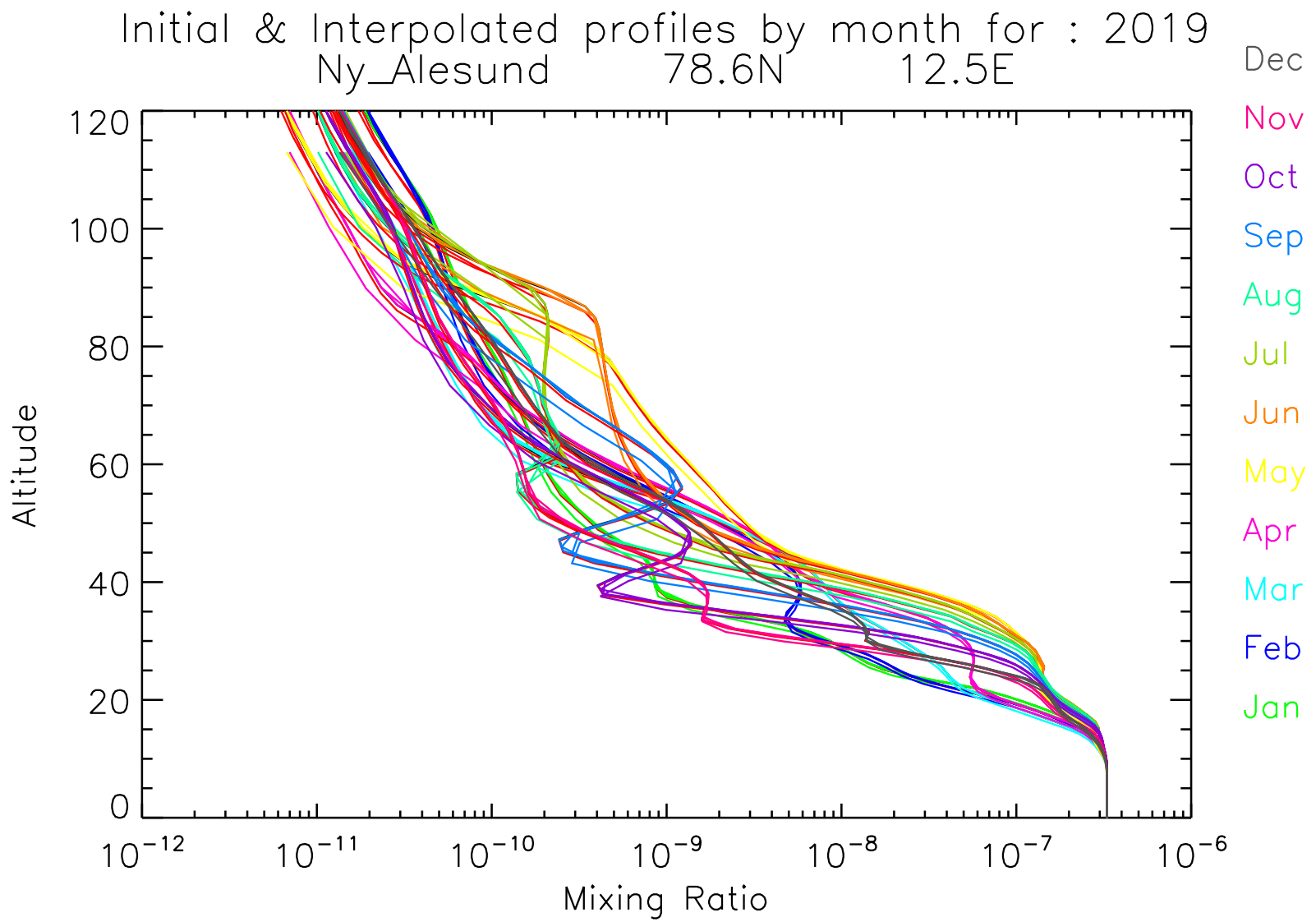

Initial & Interpolated profiles by month for : 2014
Ny_Alesund 78.6N 12.5E
Altitude
Mixing Ratio
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

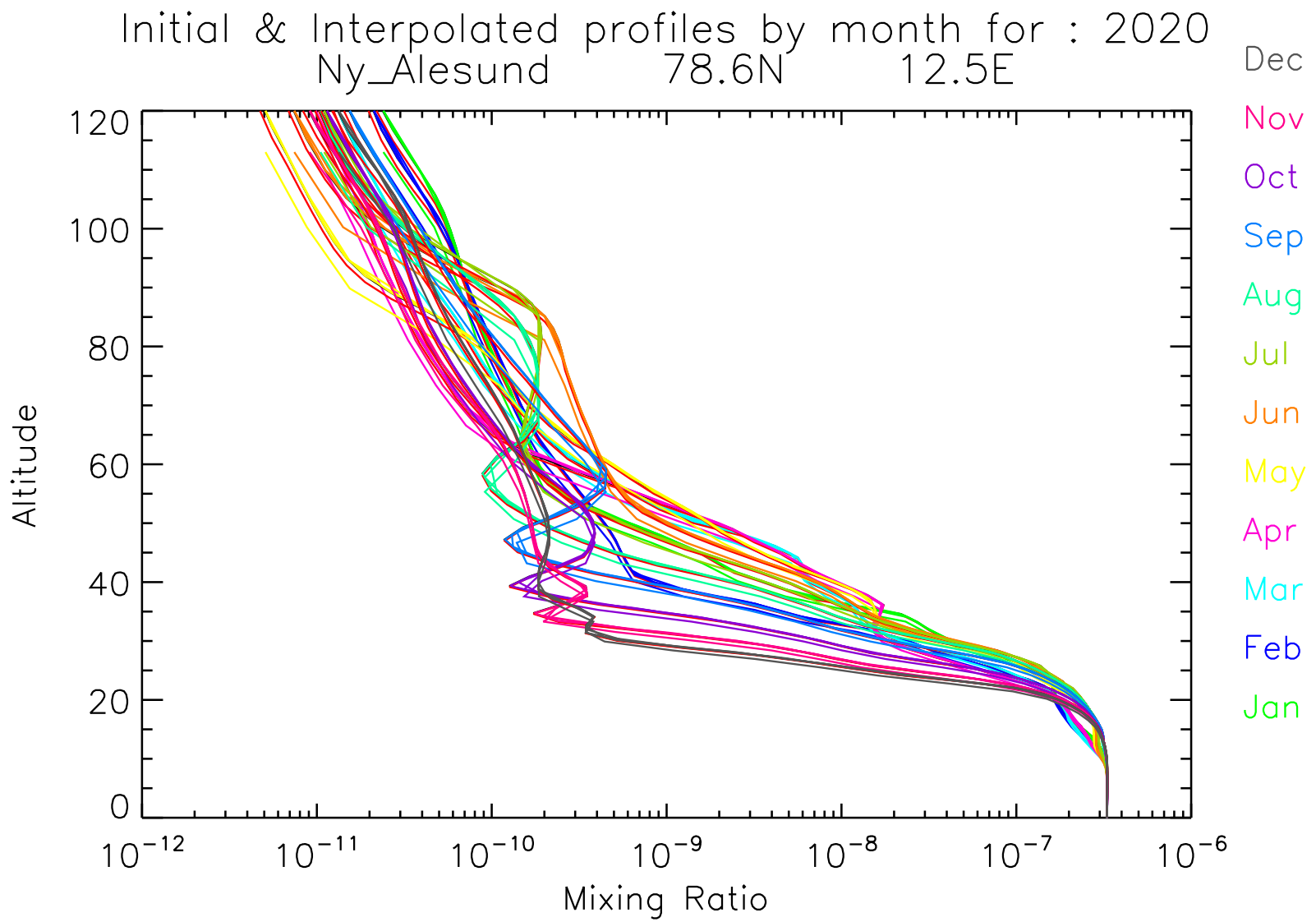

Initial & Interpolated profiles by month for : 2015
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2016
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2017
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2018
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2020
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
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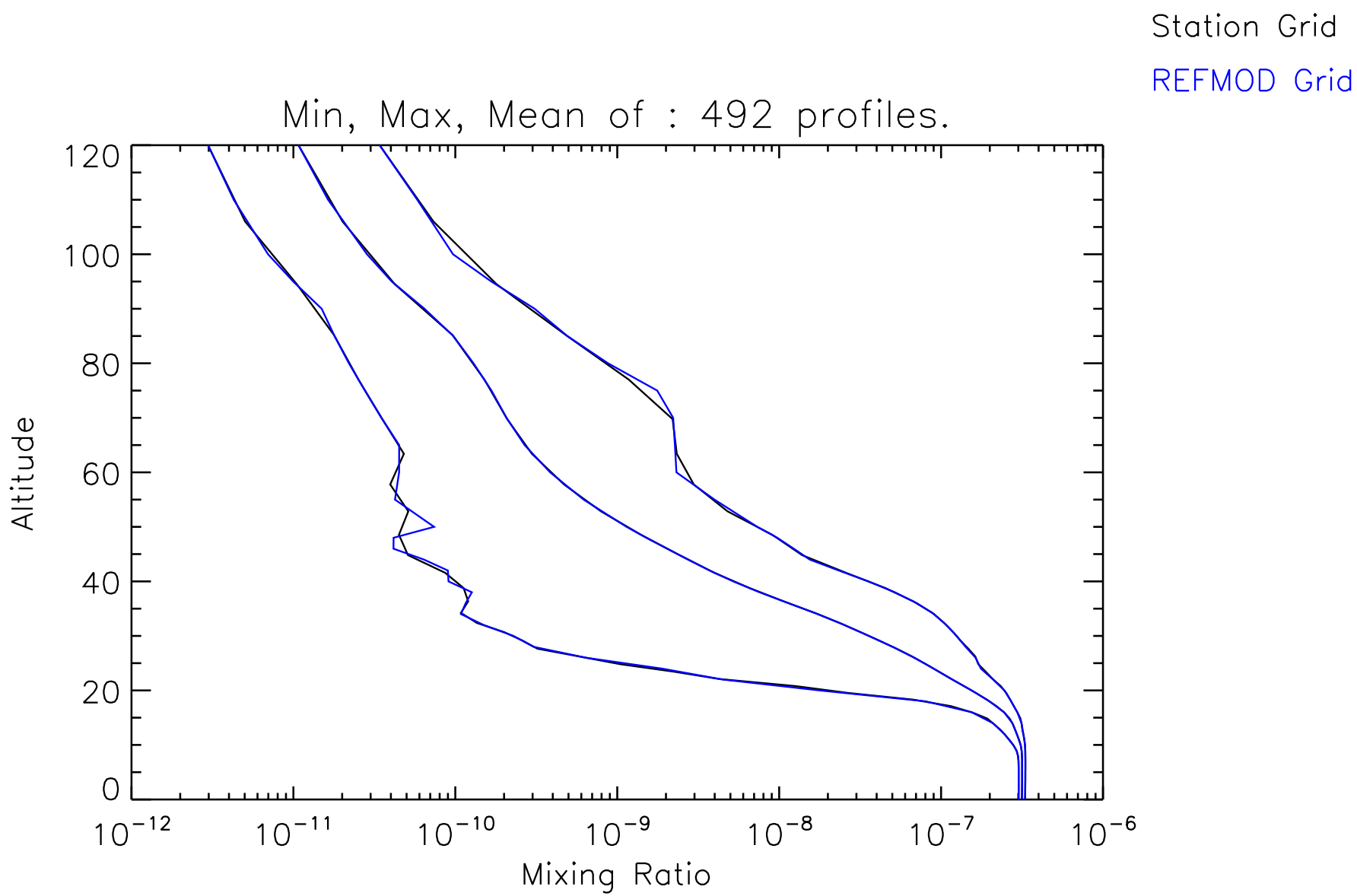
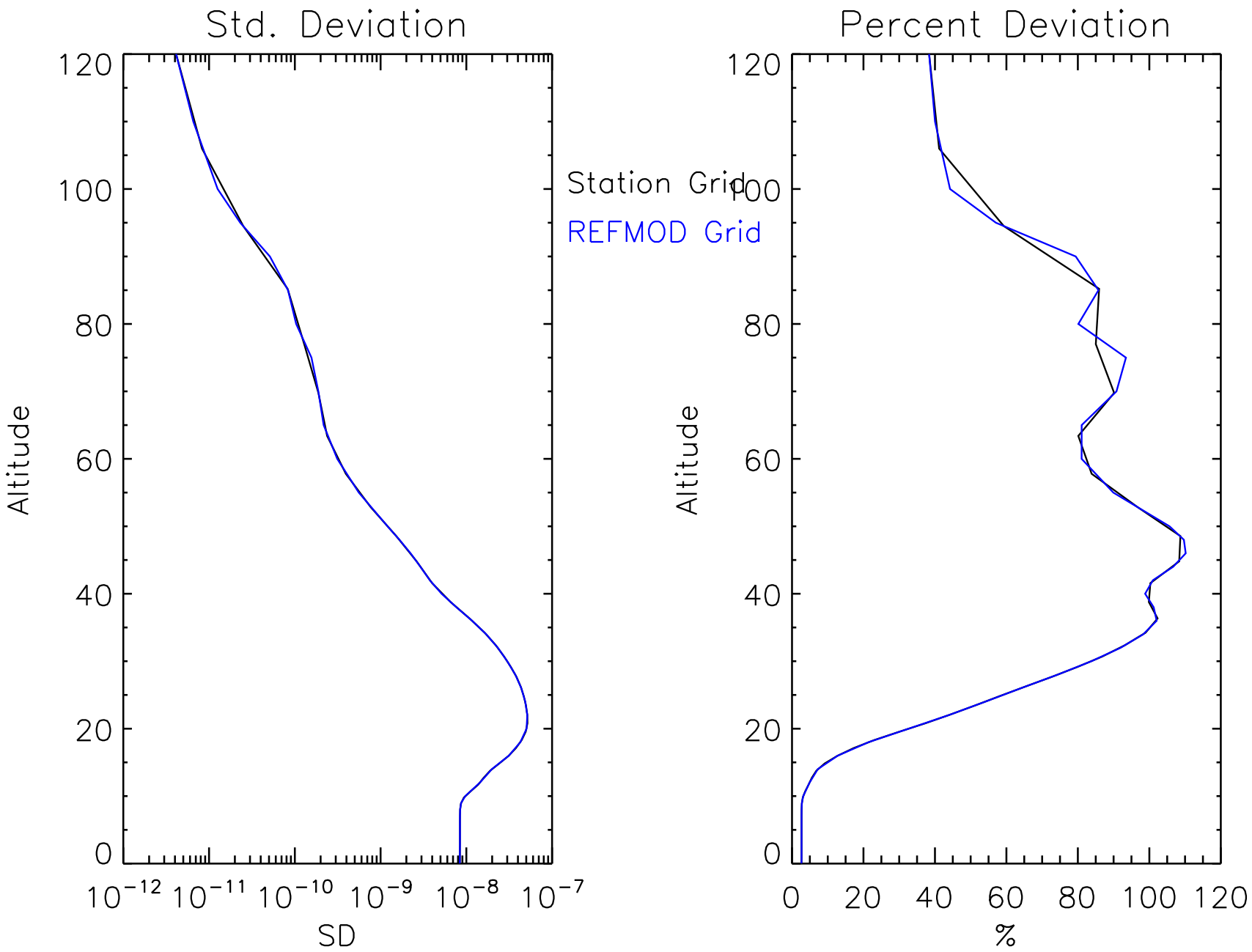
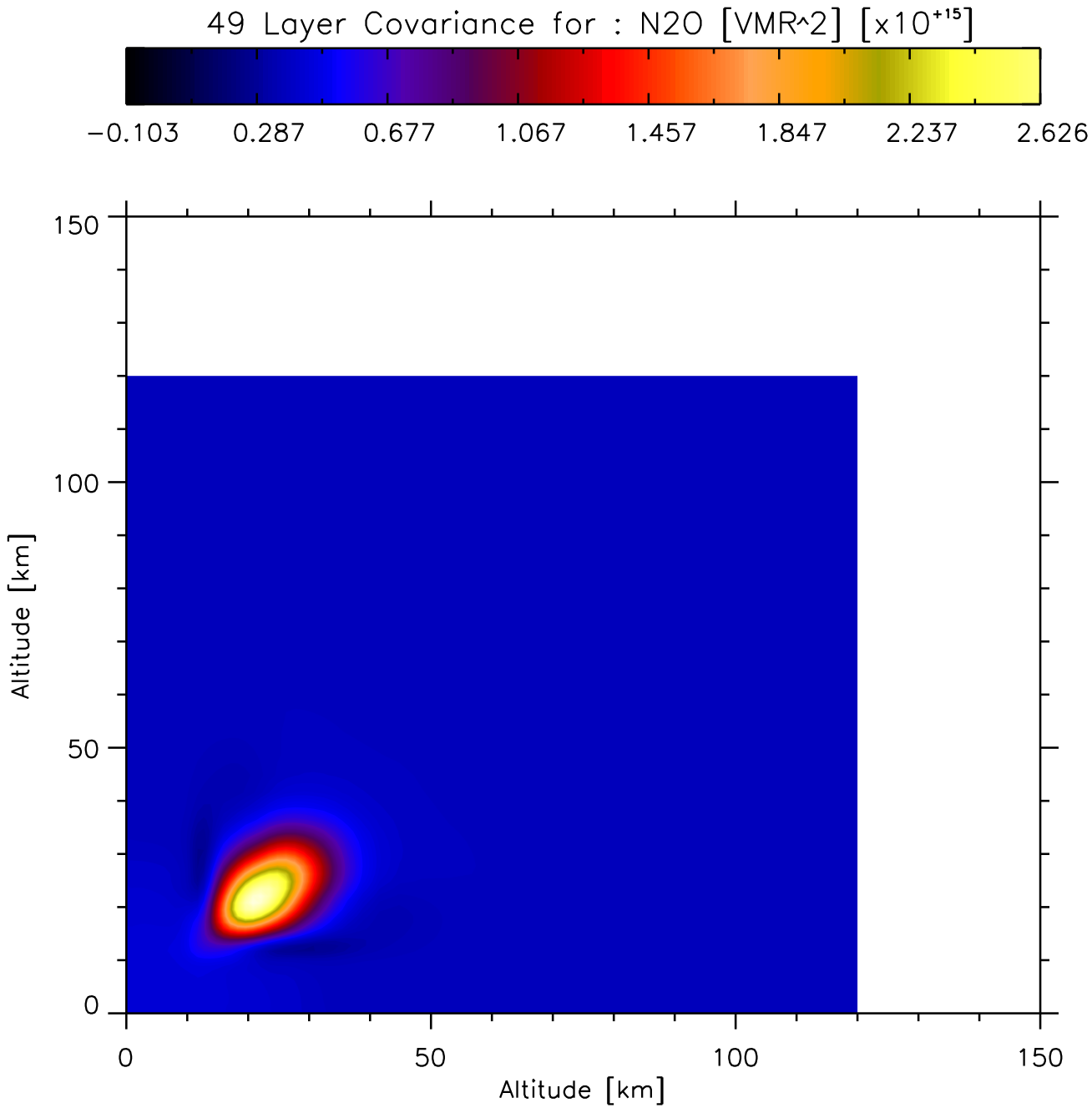
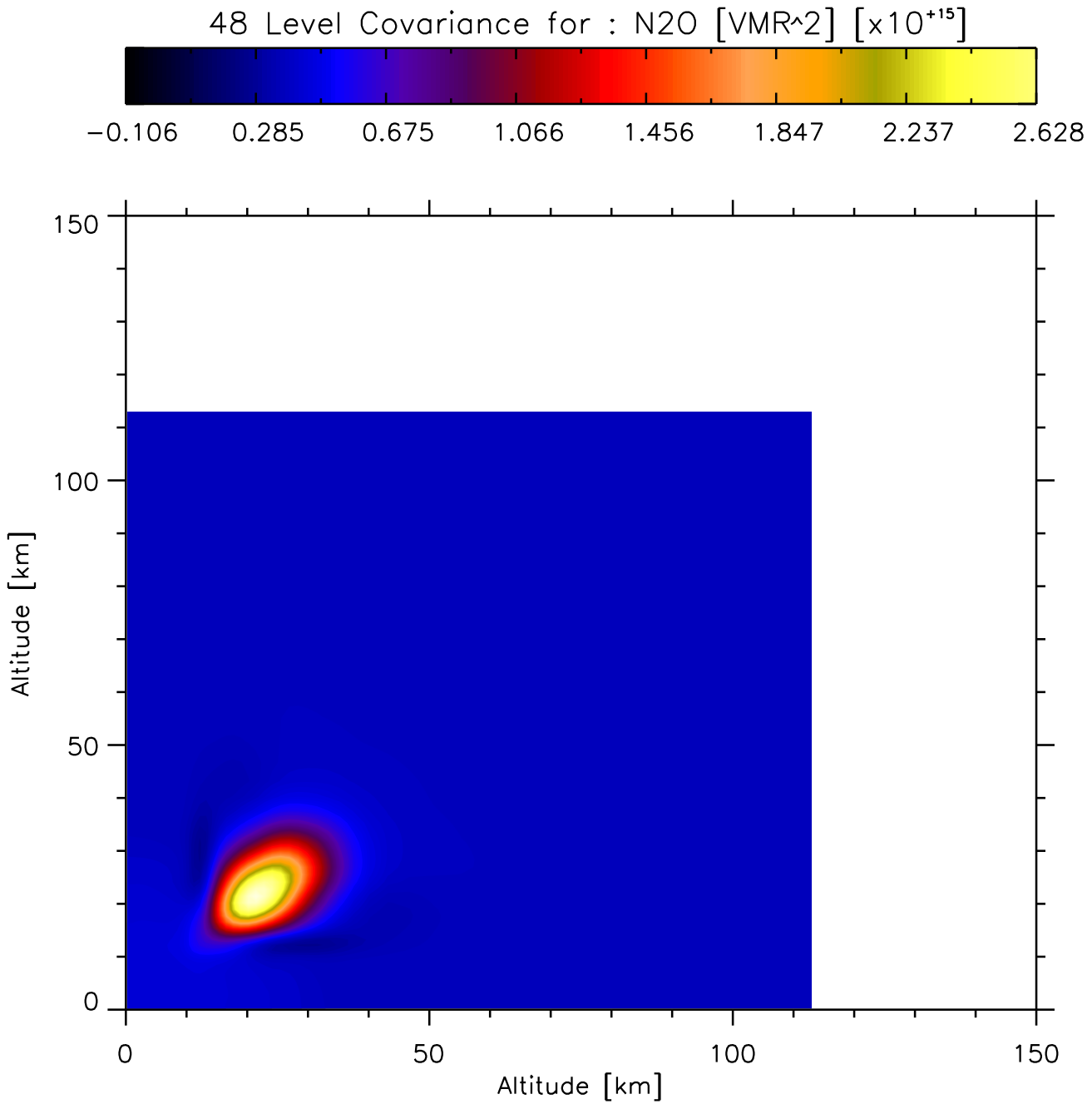
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7}
SD
0 20 40 60 80 100 120
%


49 Layer Covariance for : N2O [VMR^2] [x10^+15]
−0.103
0.287
0.677
1.067
1.457
1.847
2.237
2.626
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : N2O [VMR^2] [x10^+15]
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
Y Altitude
0
20
40
60
80
100
120
140
160
X Altitude
0
50
100
150


48 Level Covariance for : N2O [VMR^2] [x10^+15]
−0.106
0.285
0.675
1.066
1.456
1.847
2.237
2.628
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : N2O [VMR^2] [x10^-15]
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Y Altitude
0
20
40
60
80
X Altitude
0
50
100
150