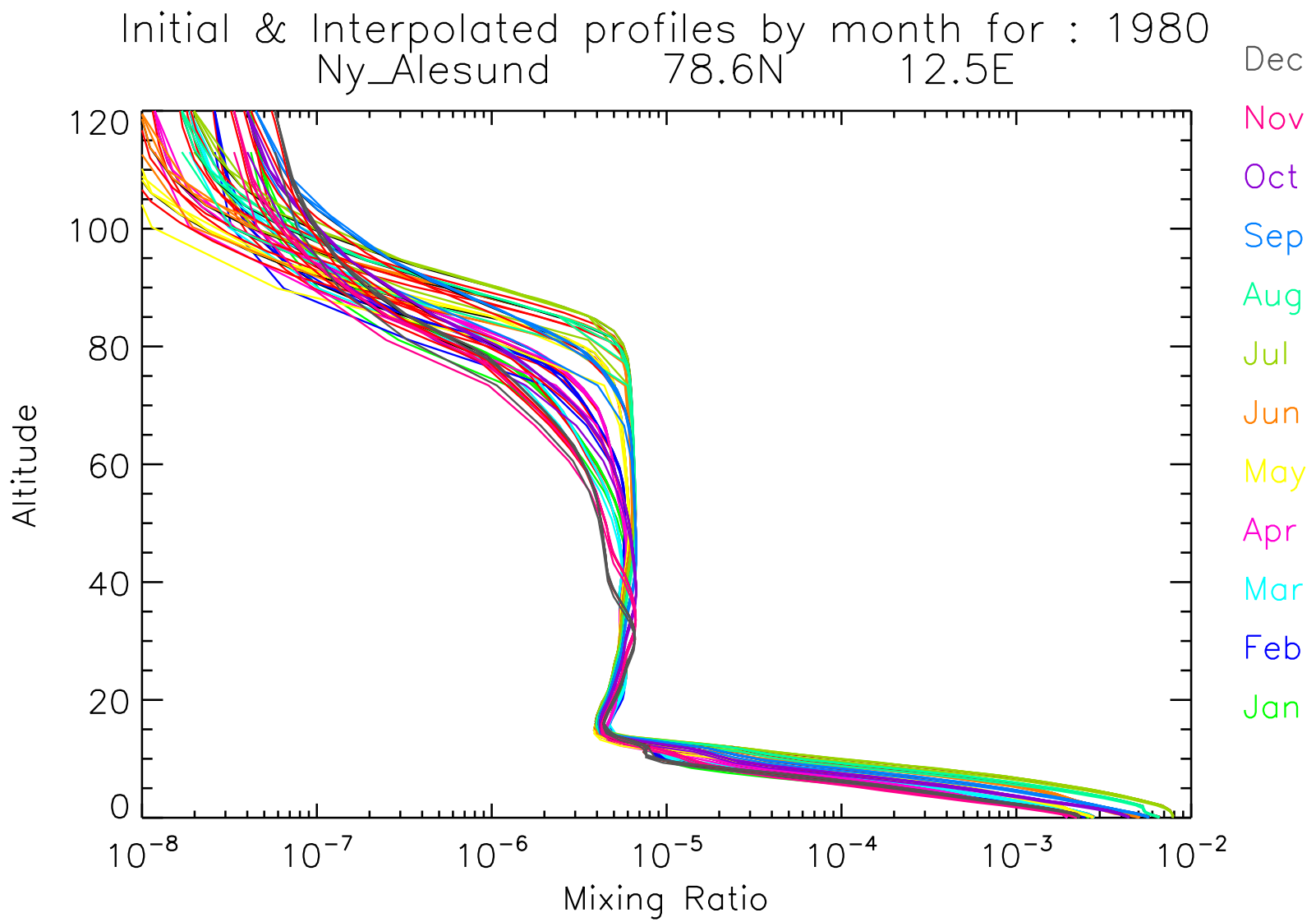
Initial & Interpolated profiles by month for : 1980
Ny_Alesund 78.6N 12.5E
Altitude
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100
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40
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10^{-8}
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Mixing Ratio
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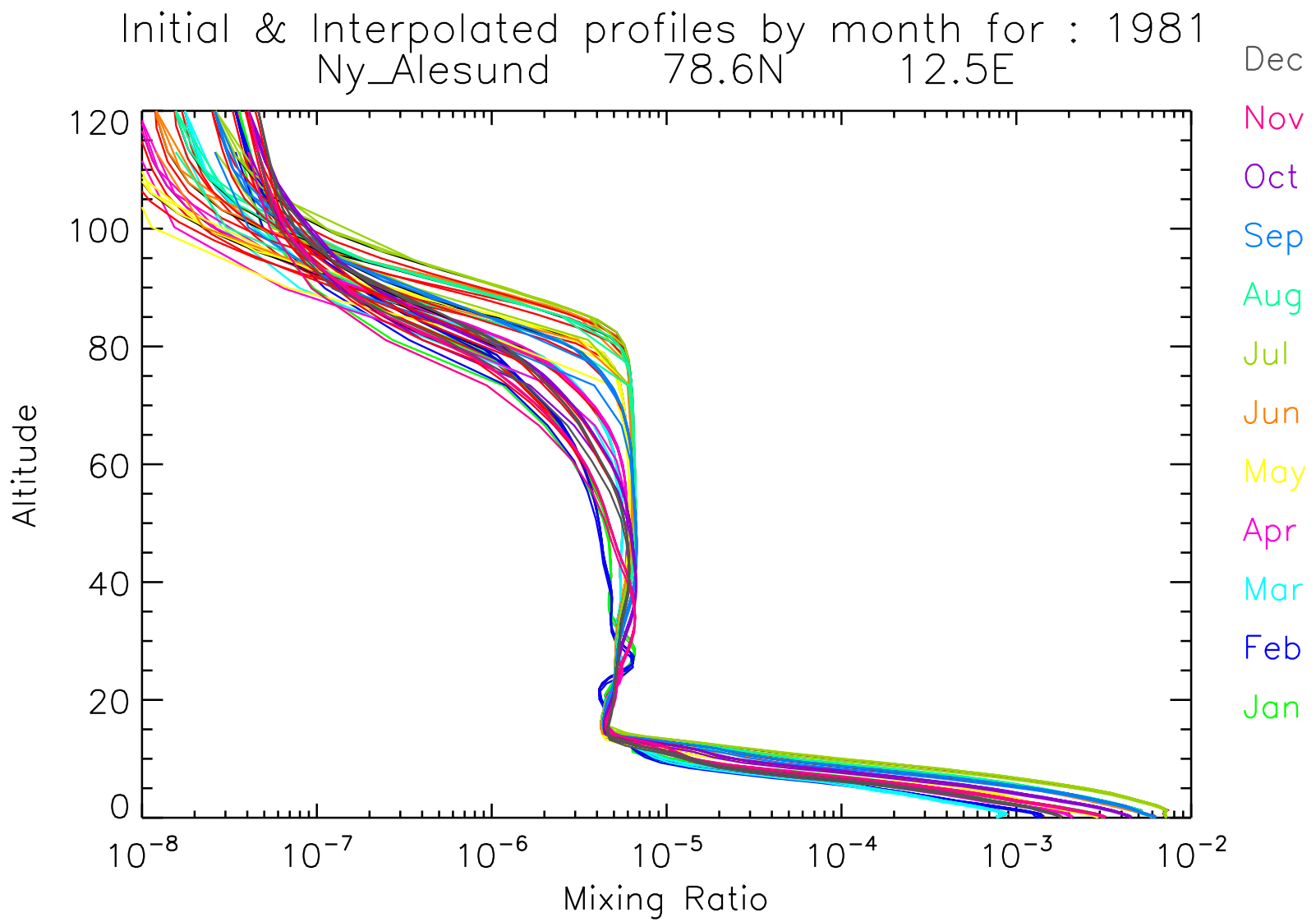
Initial & Interpolated profiles by month for : 1981
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Altitude
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Mixing Ratio
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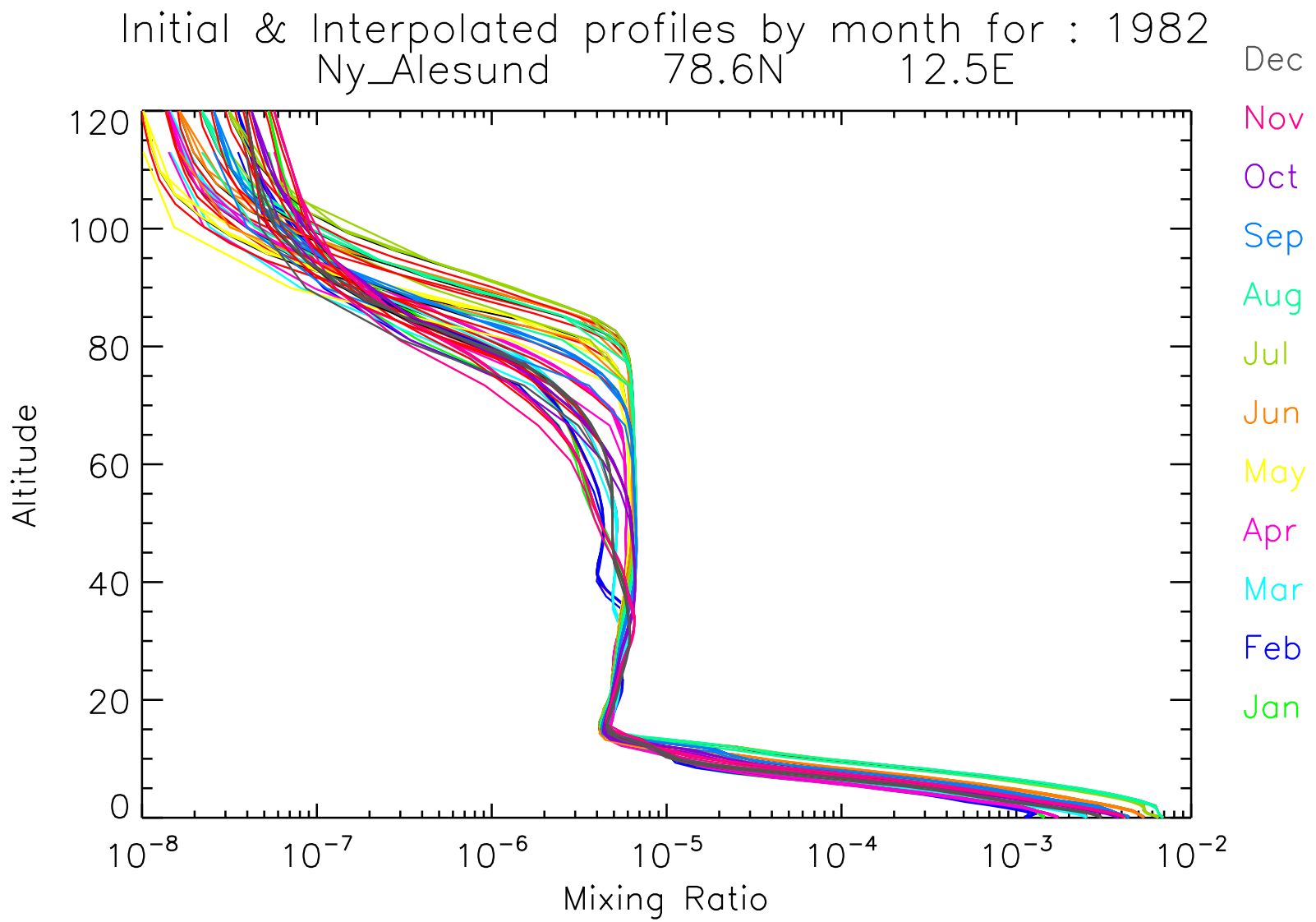
Initial & Interpolated profiles by month for : 1982
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Altitude
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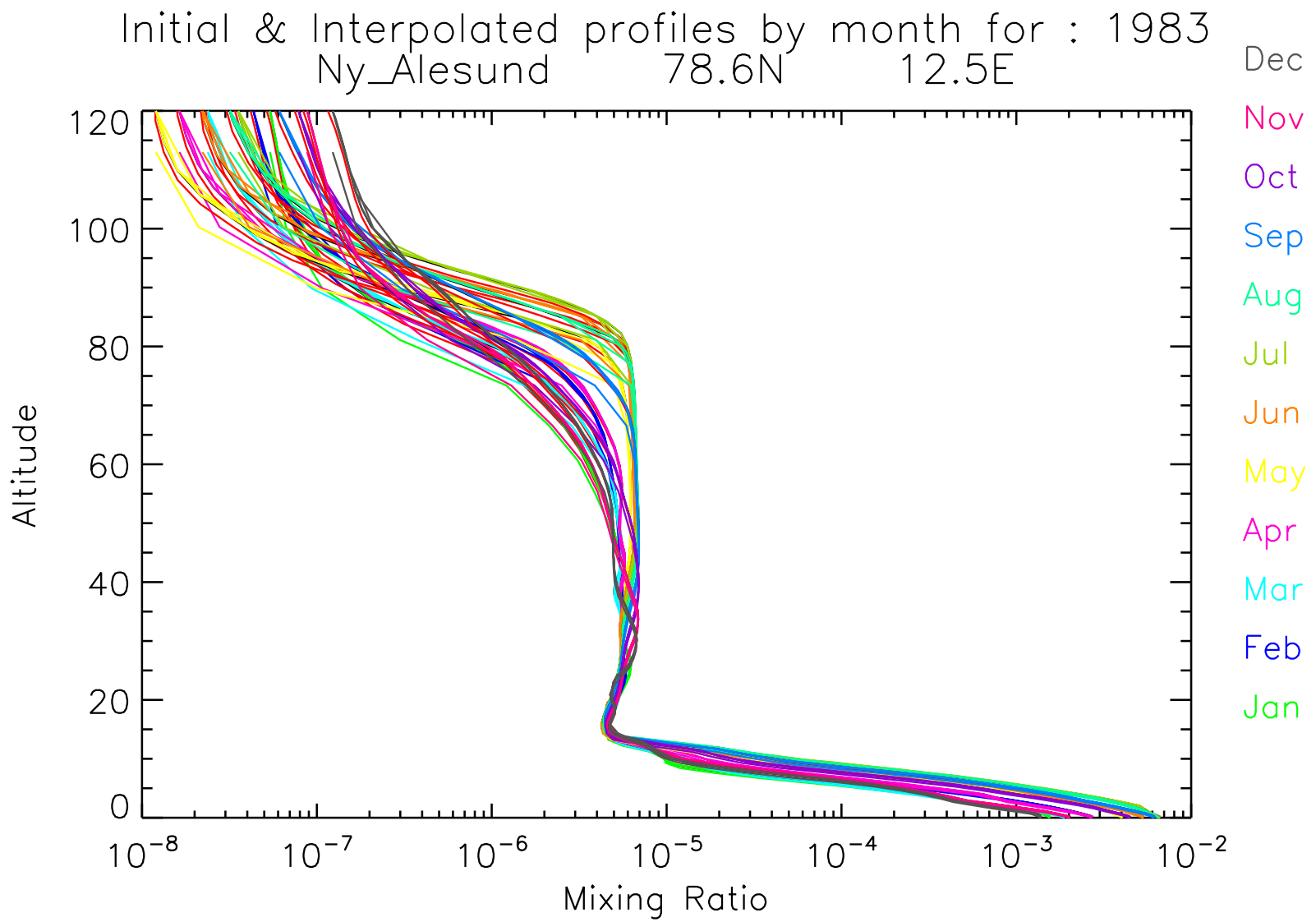
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
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Altitude
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Mixing Ratio
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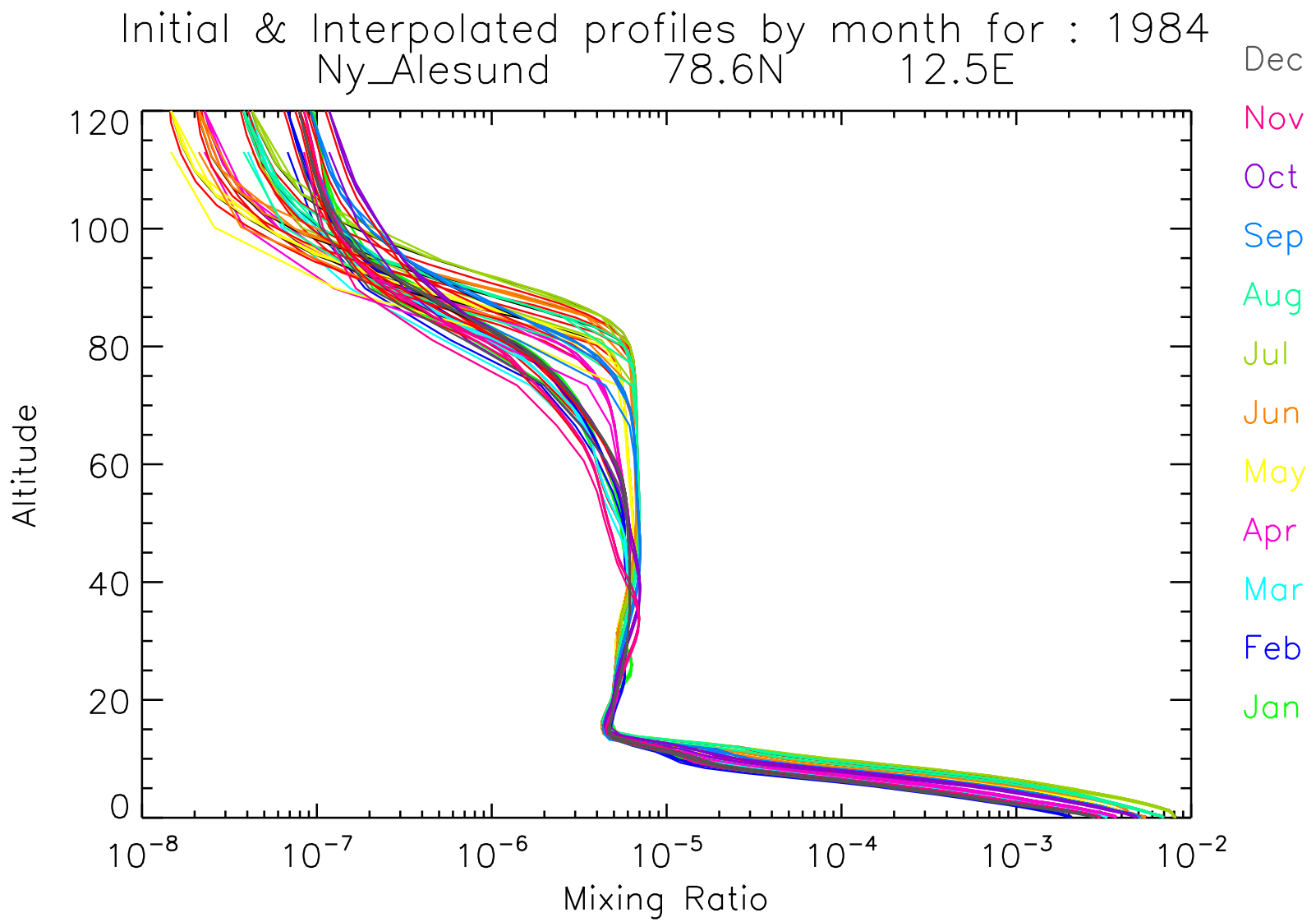
Initial & Interpolated profiles by month for : 1984
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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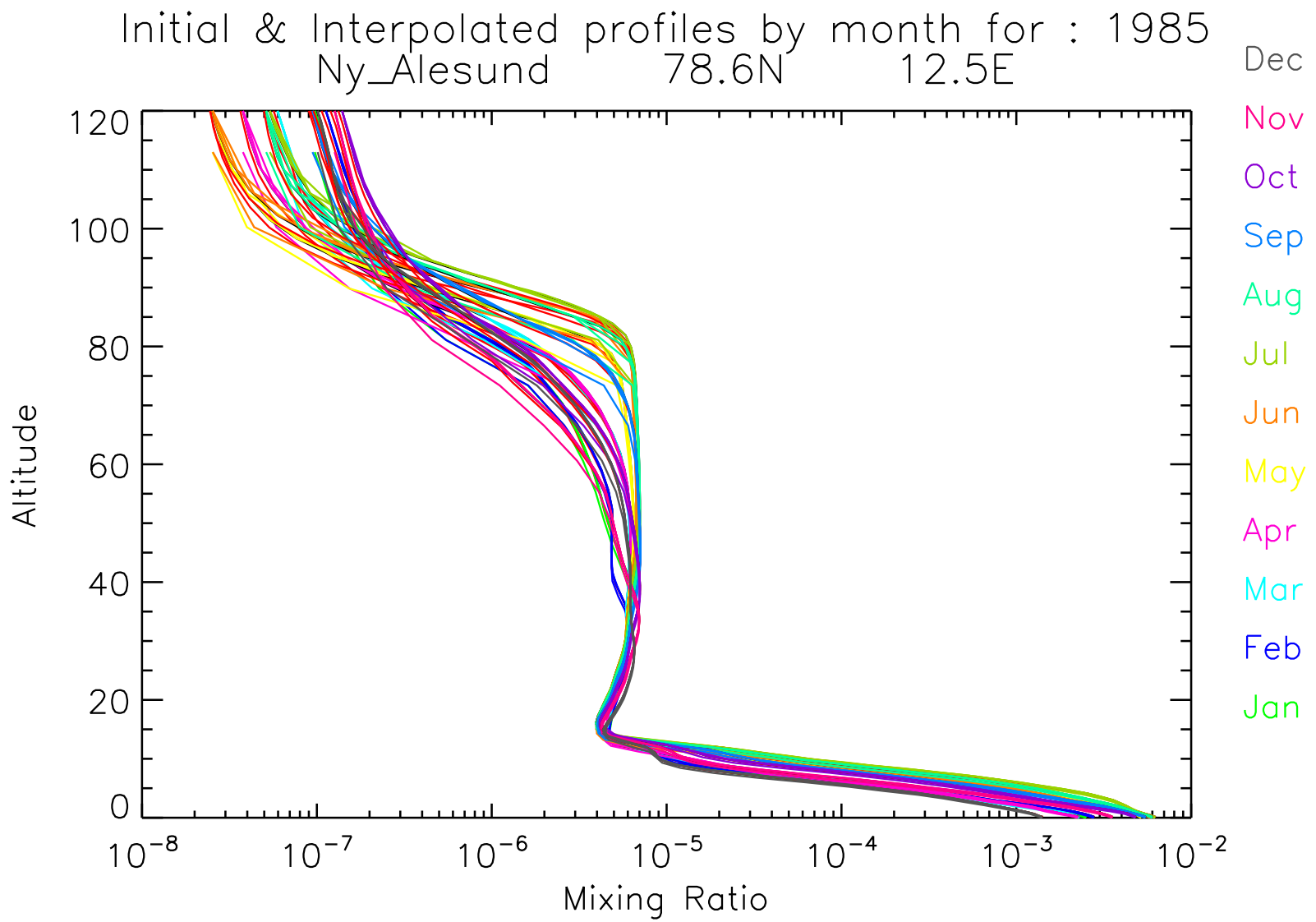
Initial & Interpolated profiles by month for : 1985
Ny_Alesund 78.6N 12.5E
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Altitude
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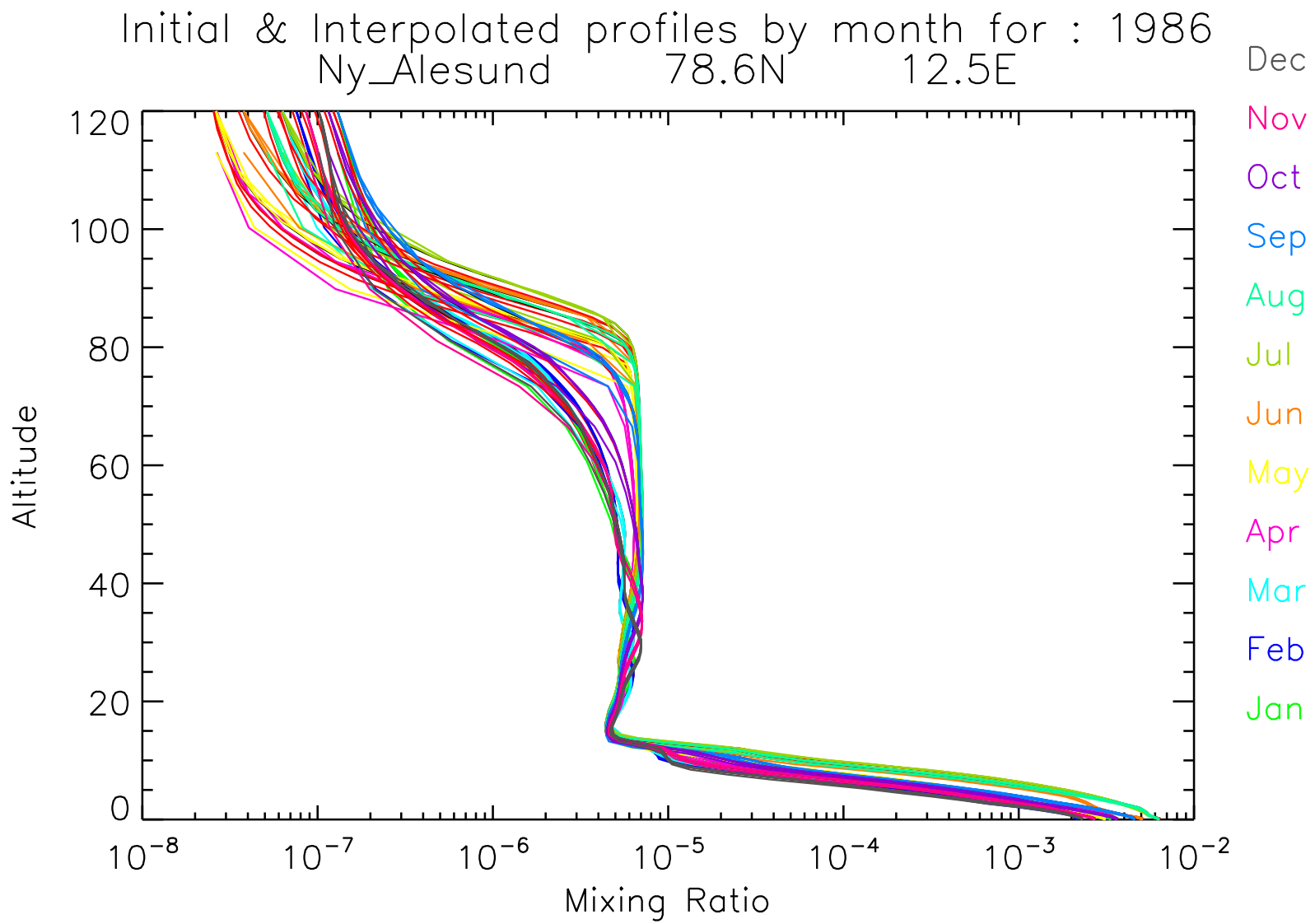
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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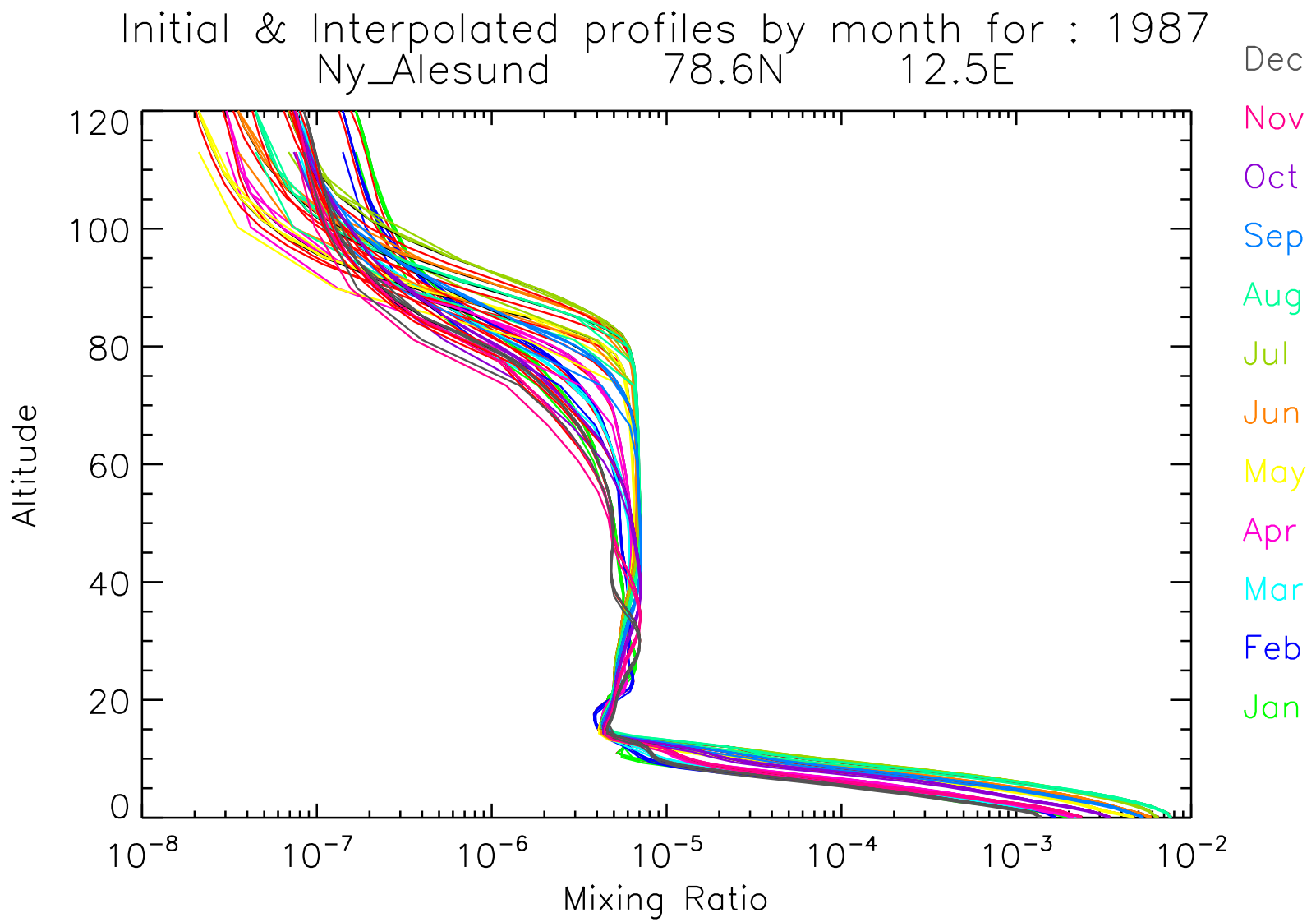
Initial & Interpolated profiles by month for : 1987
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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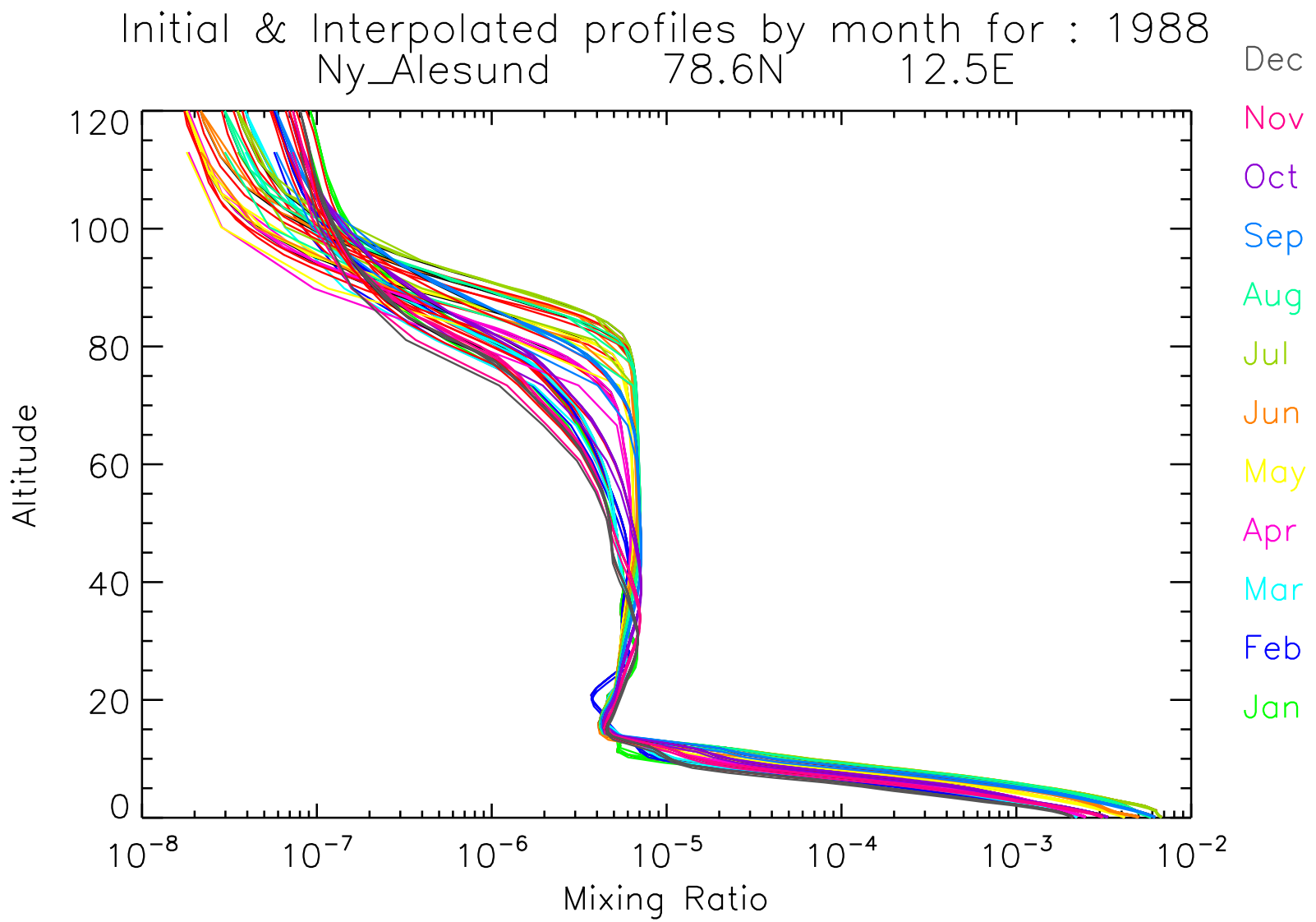
Initial & Interpolated profiles by month for : 1988
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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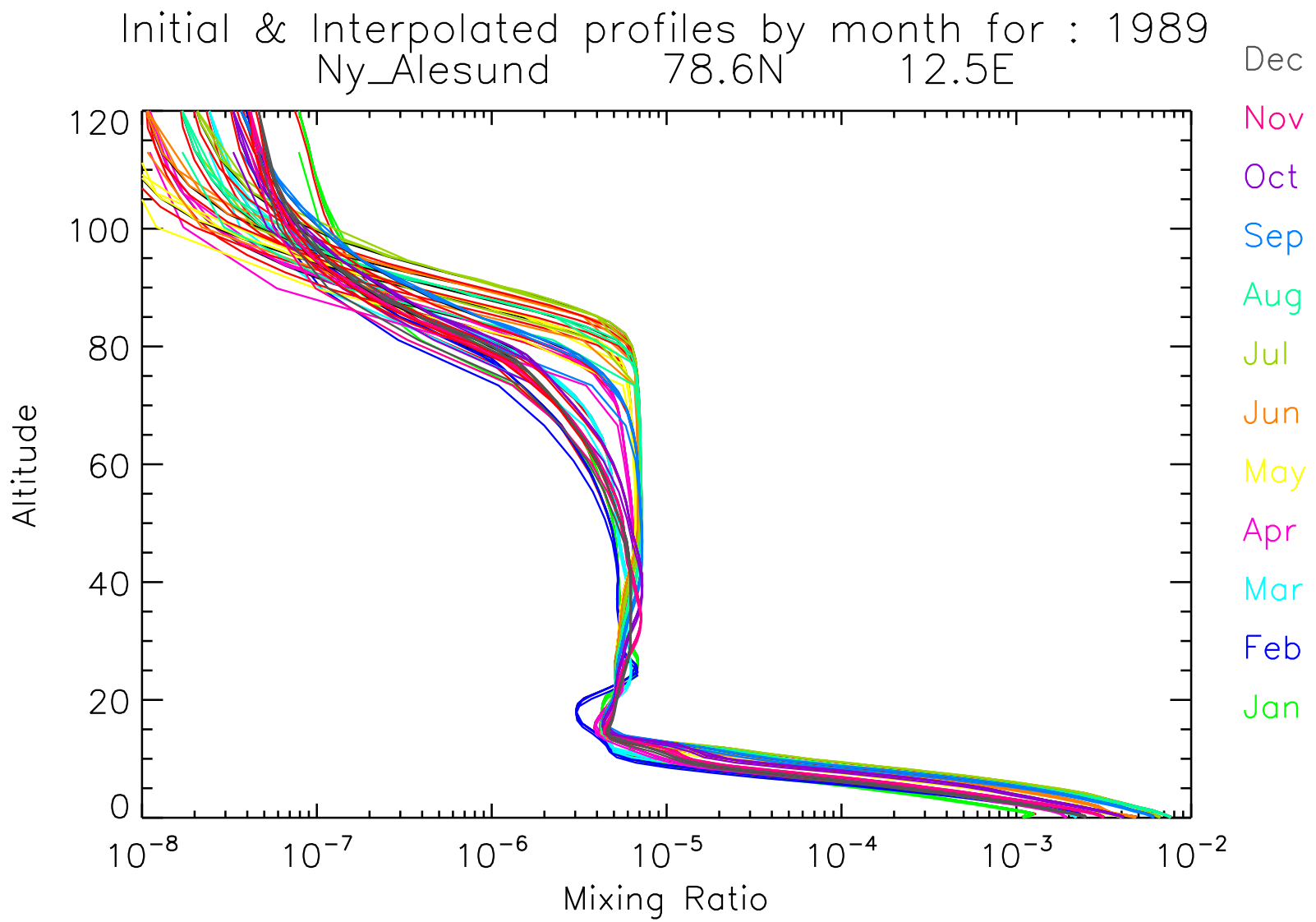
Initial & Interpolated profiles by month for : 1989
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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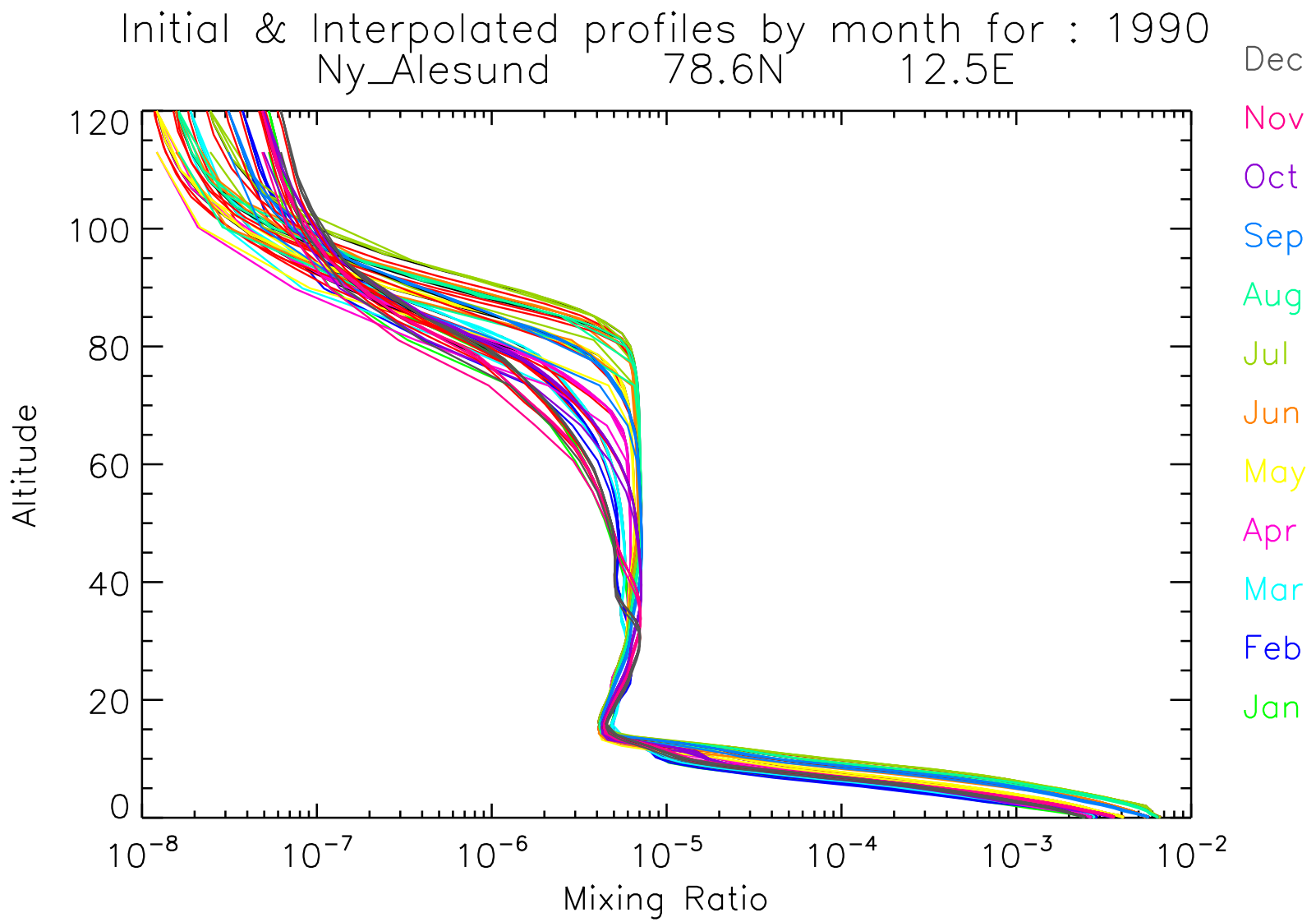
Initial & Interpolated profiles by month for : 1990
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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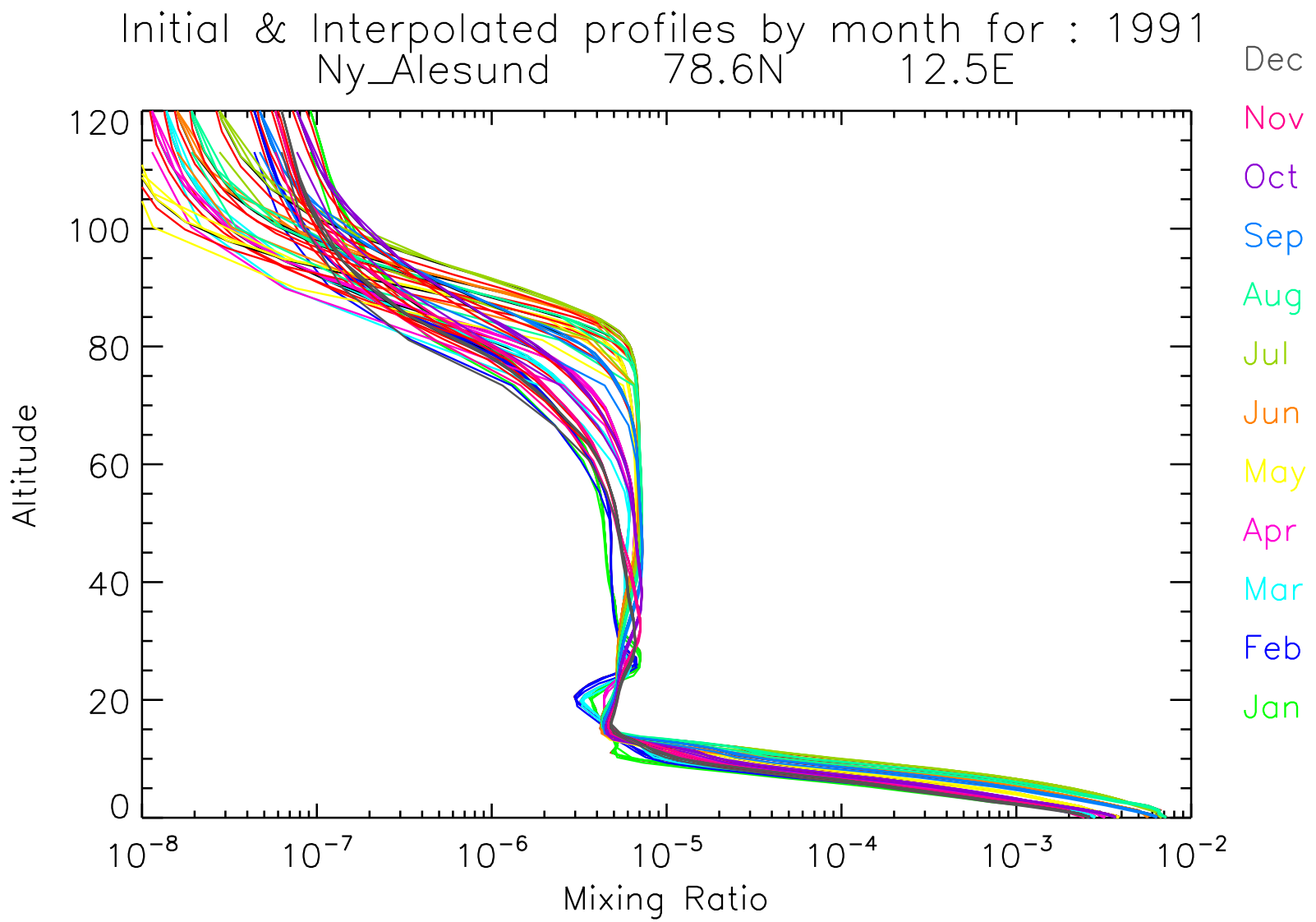
Initial & Interpolated profiles by month for : 1991
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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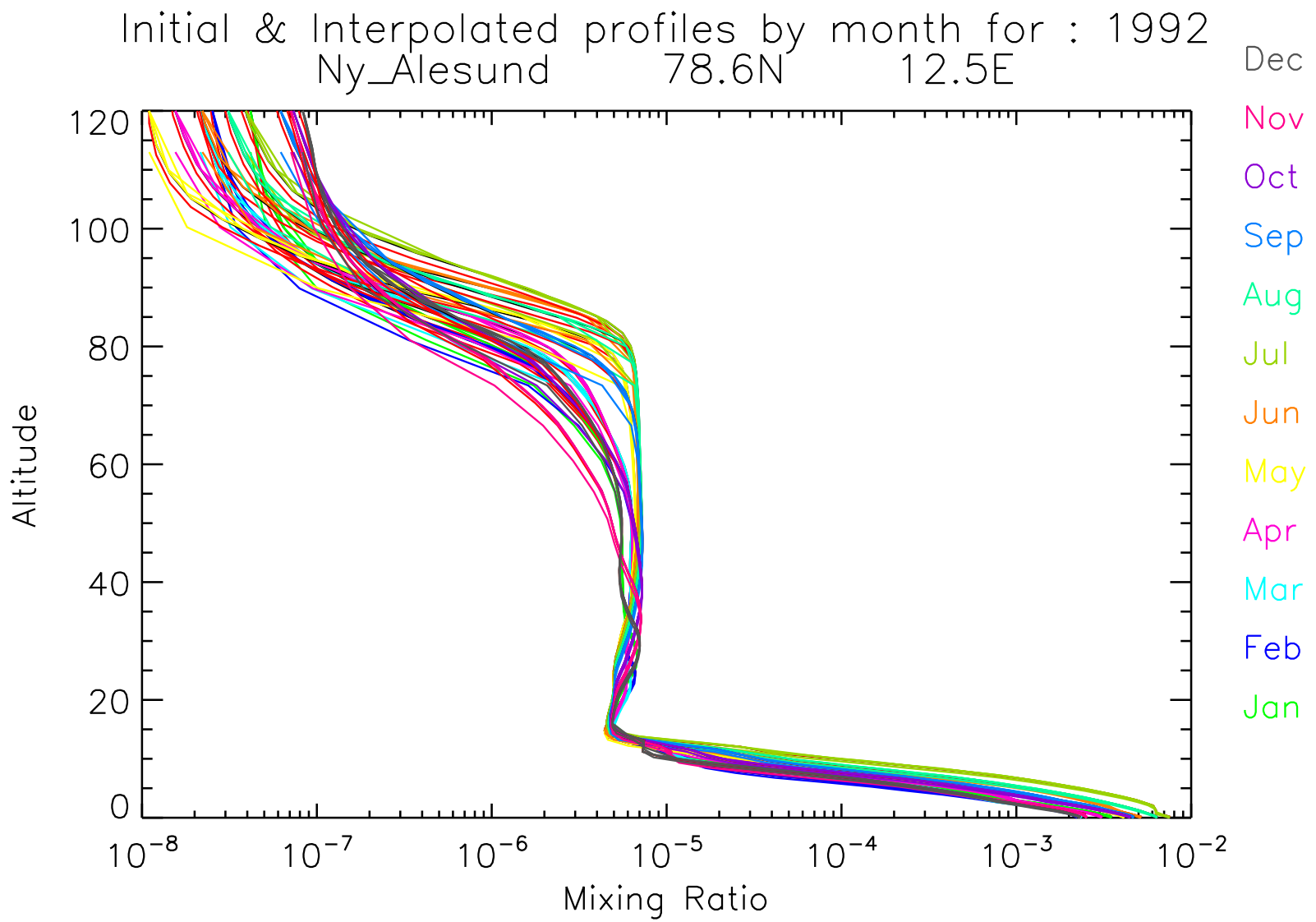
Initial & Interpolated profiles by month for : 1992
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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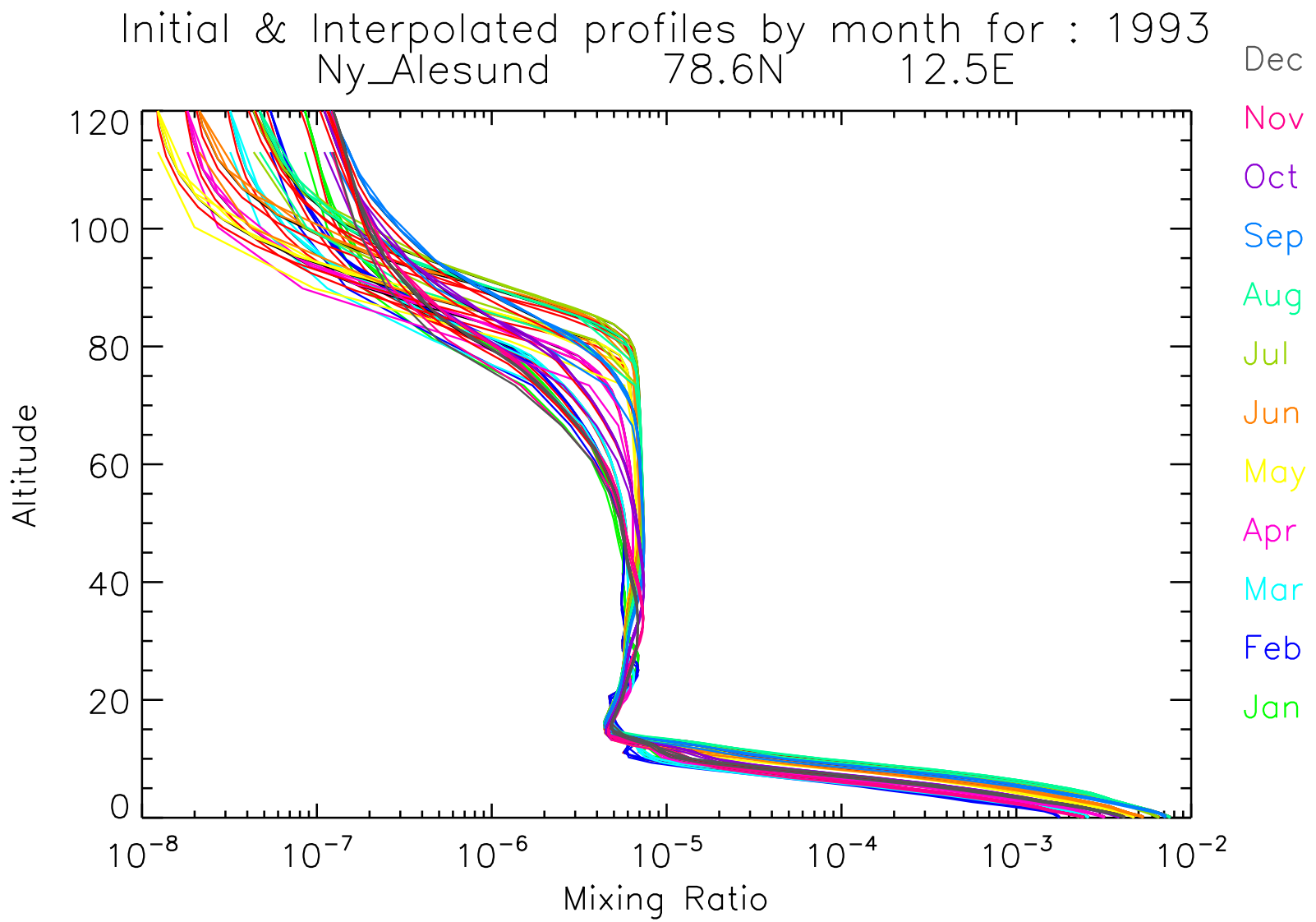
Initial & Interpolated profiles by month for : 1993
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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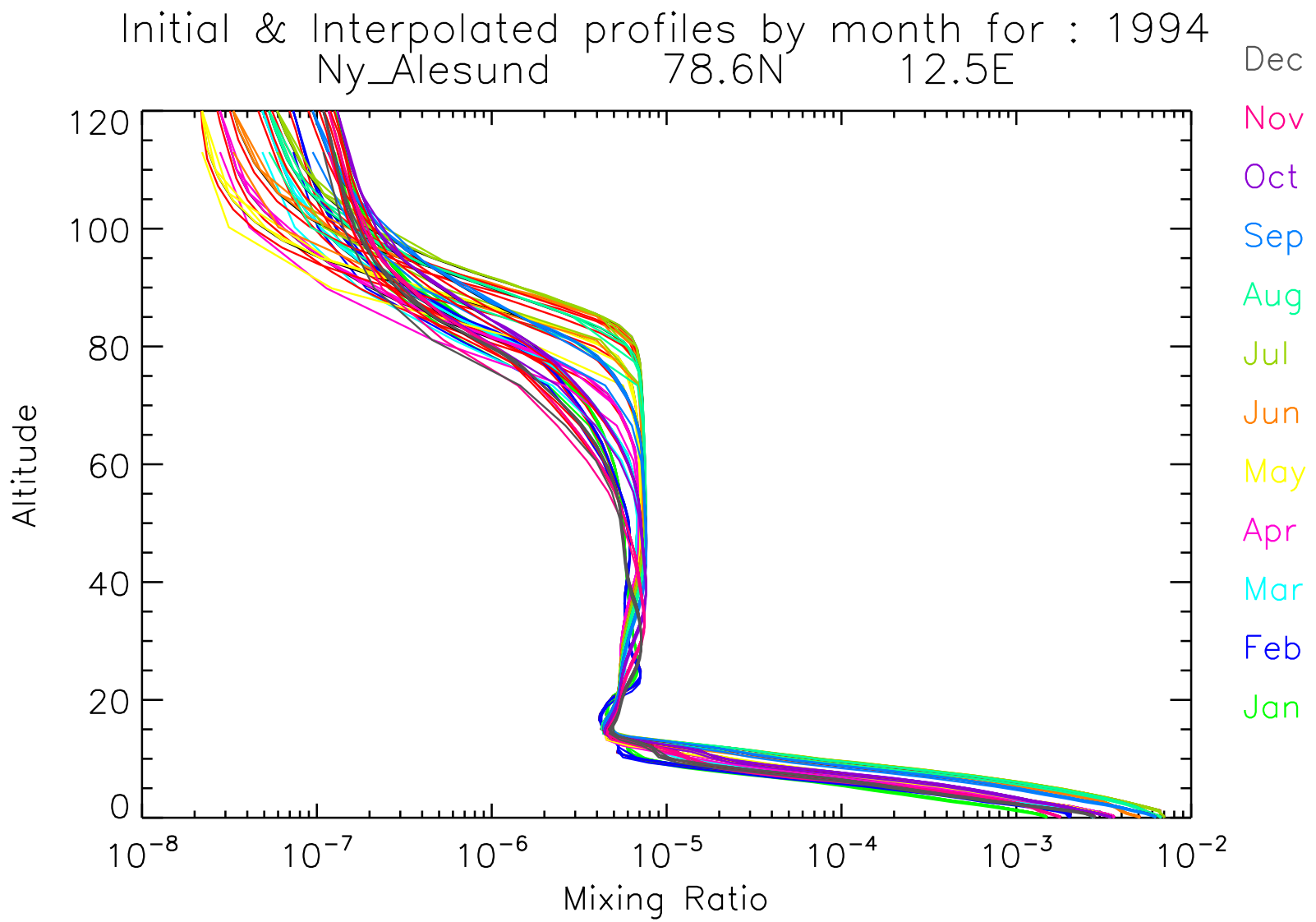
Initial & Interpolated profiles by month for : 1994
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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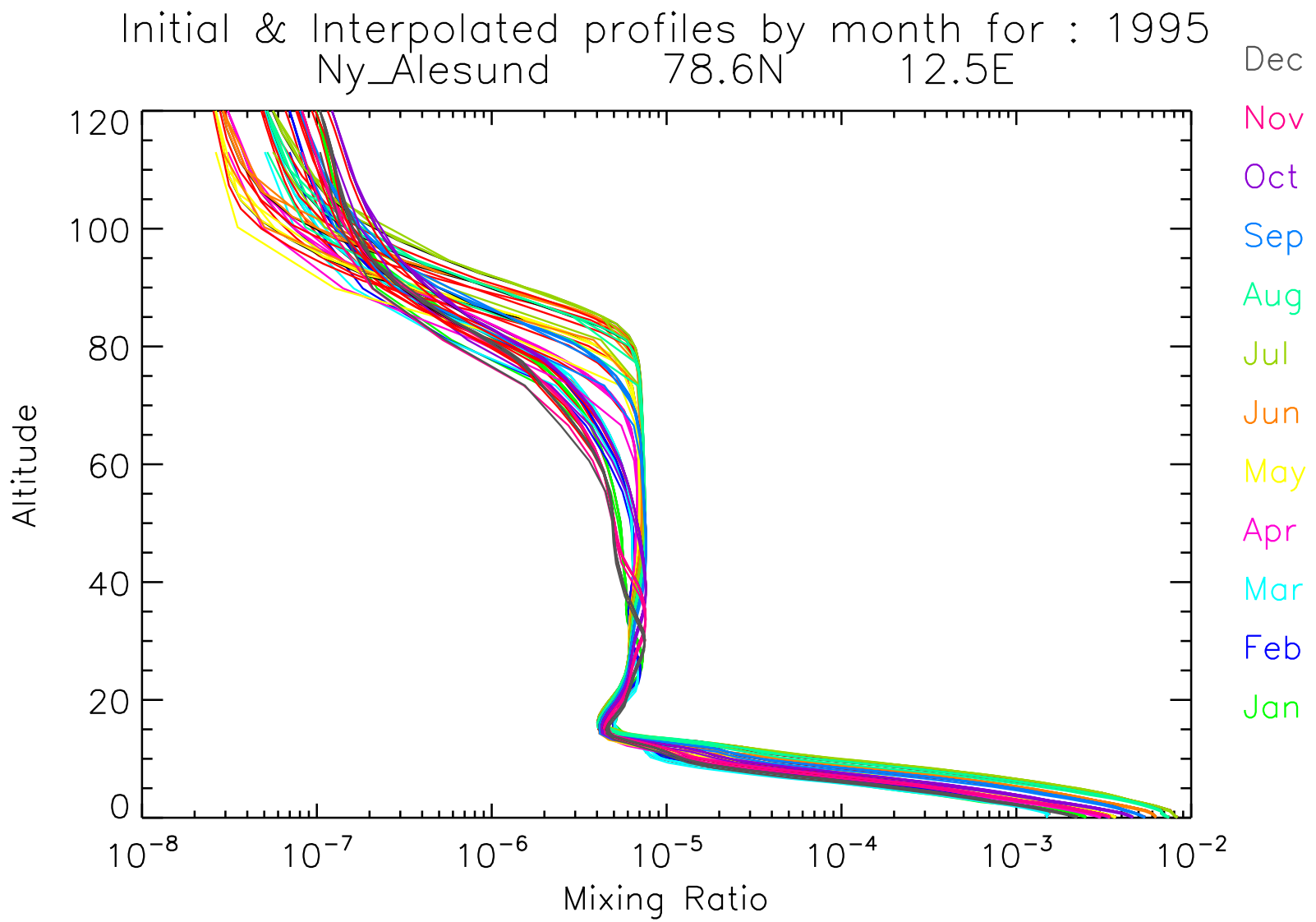
Initial & Interpolated profiles by month for : 1995
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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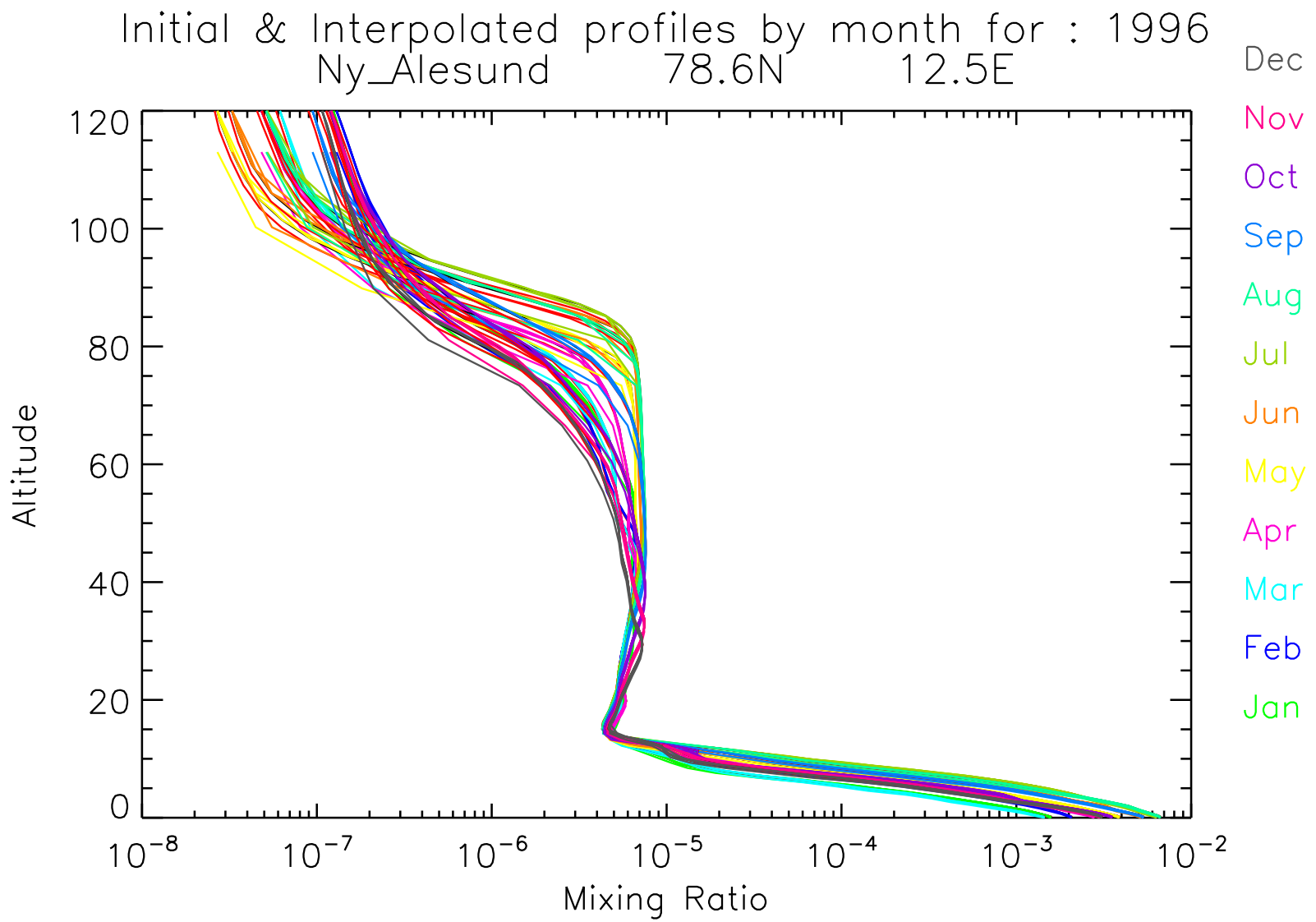
Initial & Interpolated profiles by month for : 1996
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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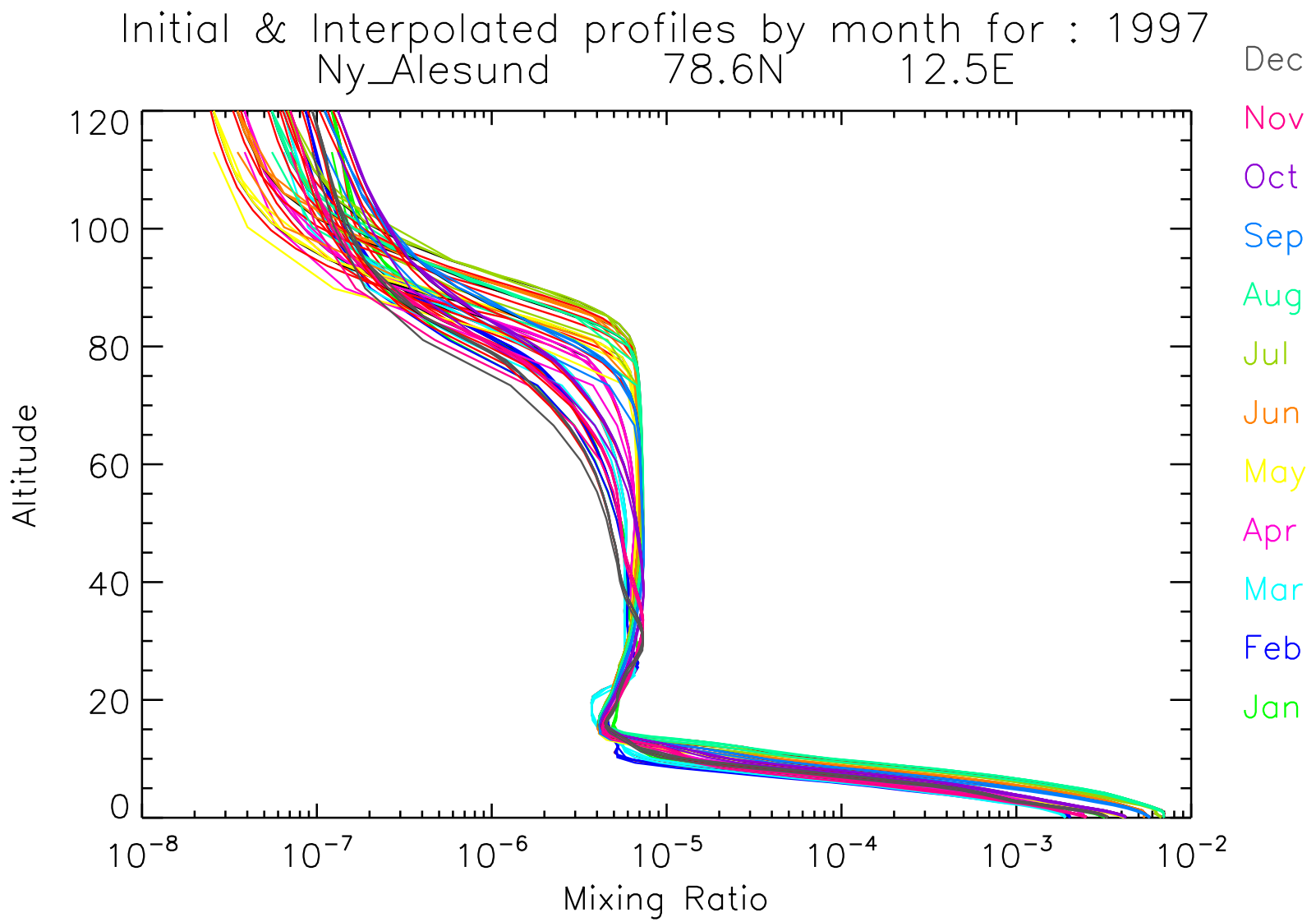
Initial & Interpolated profiles by month for : 1997
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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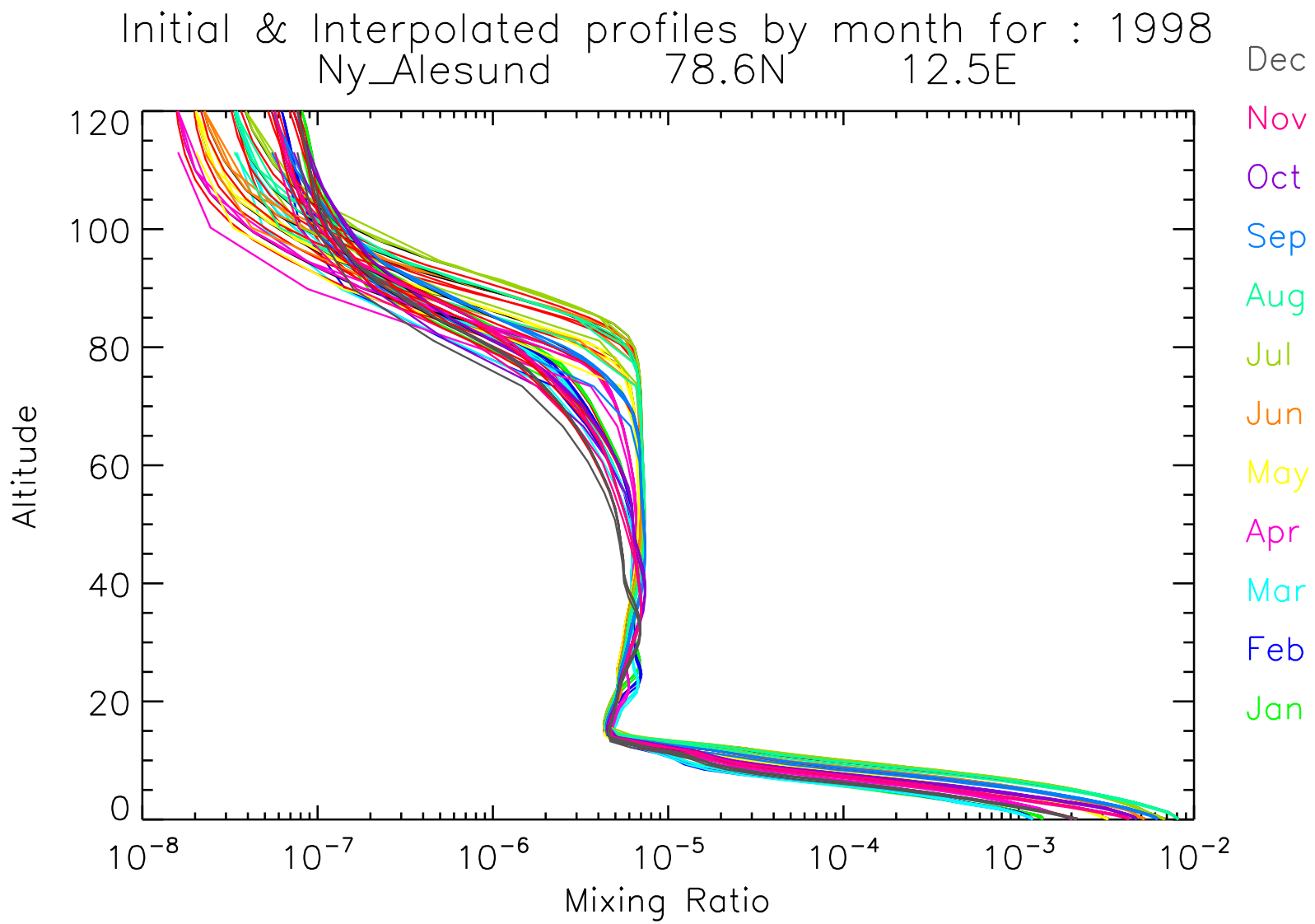
Initial & Interpolated profiles by month for : 1998
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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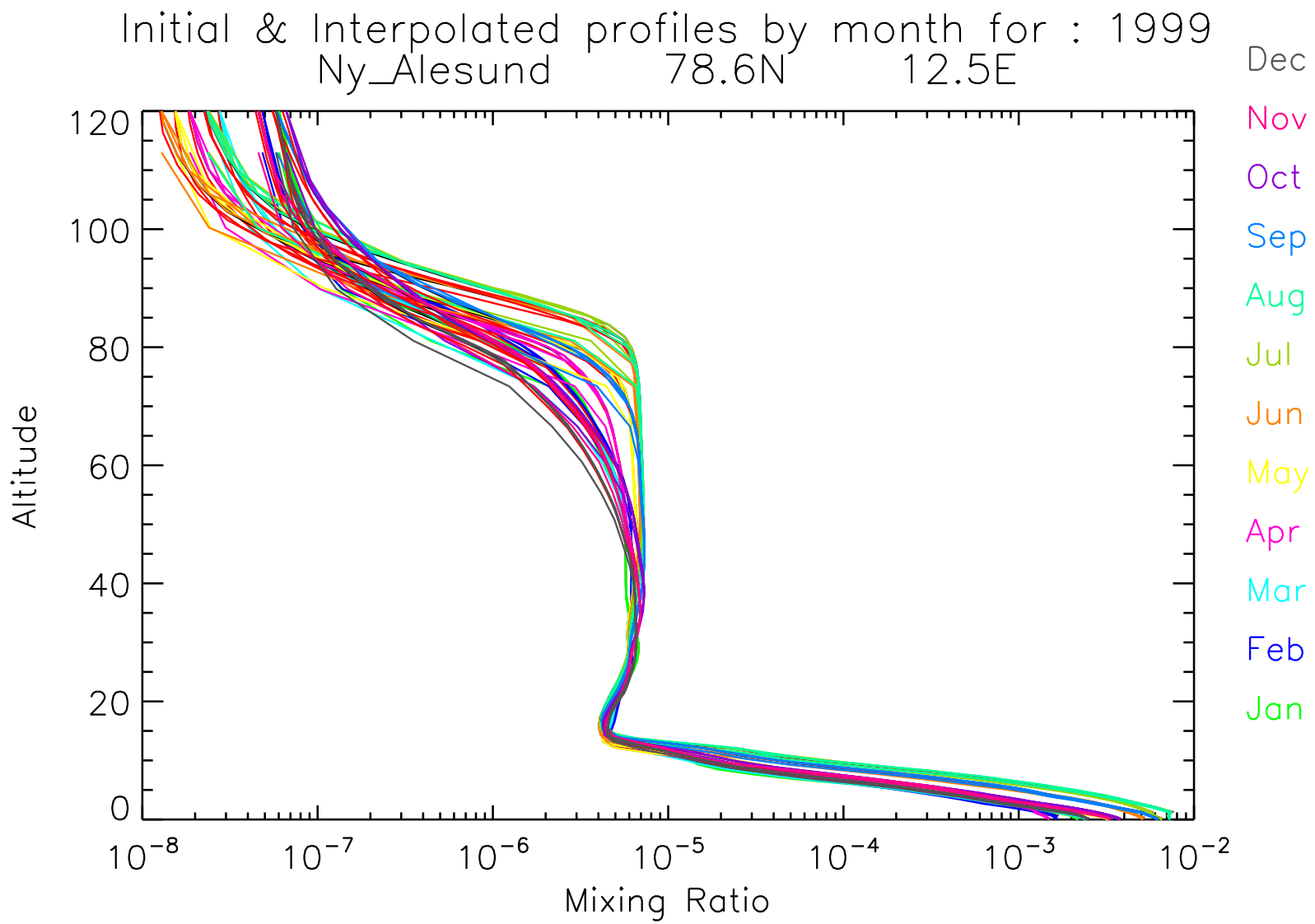
Initial & Interpolated profiles by month for : 1999
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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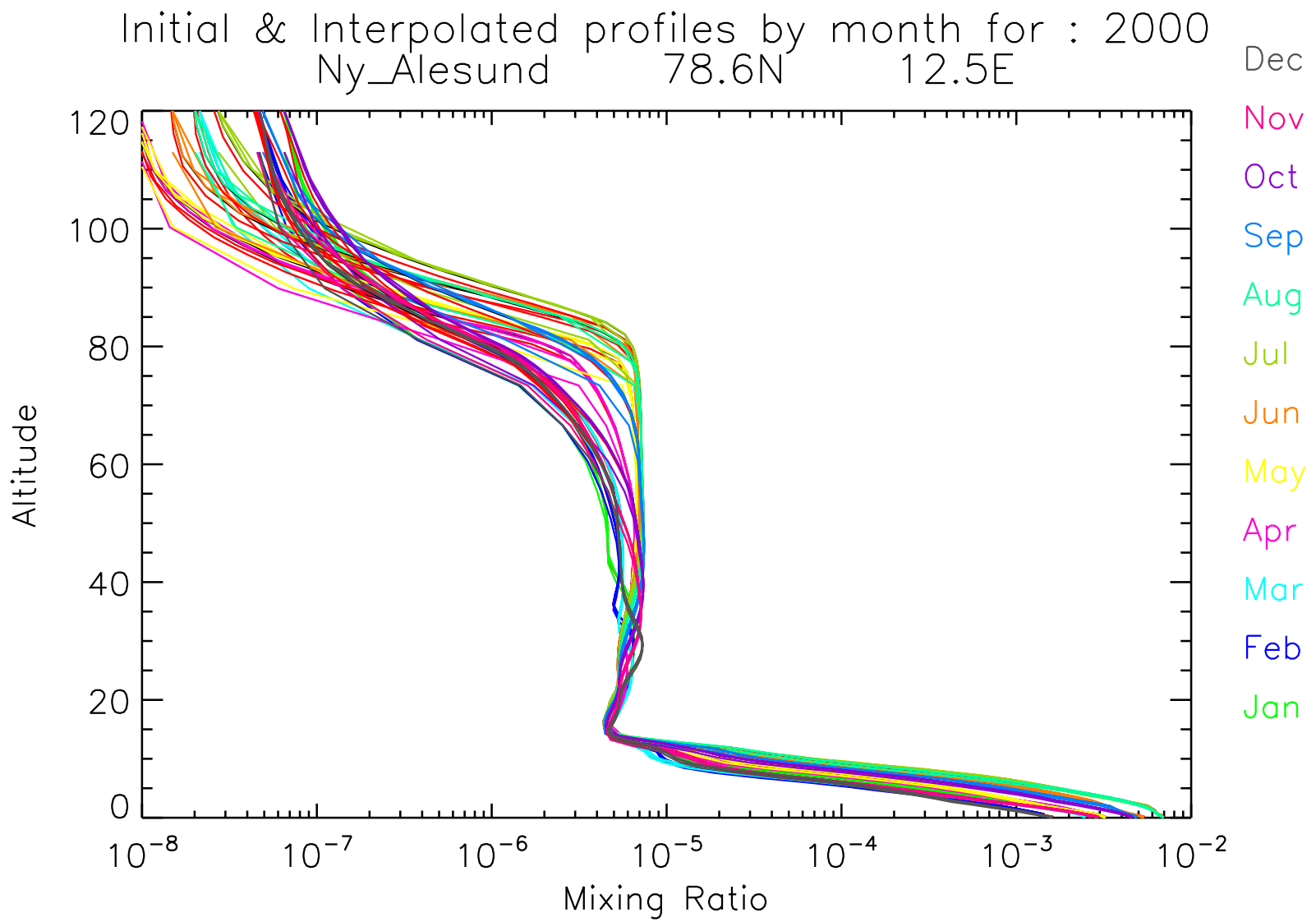
Initial & Interpolated profiles by month for : 2000
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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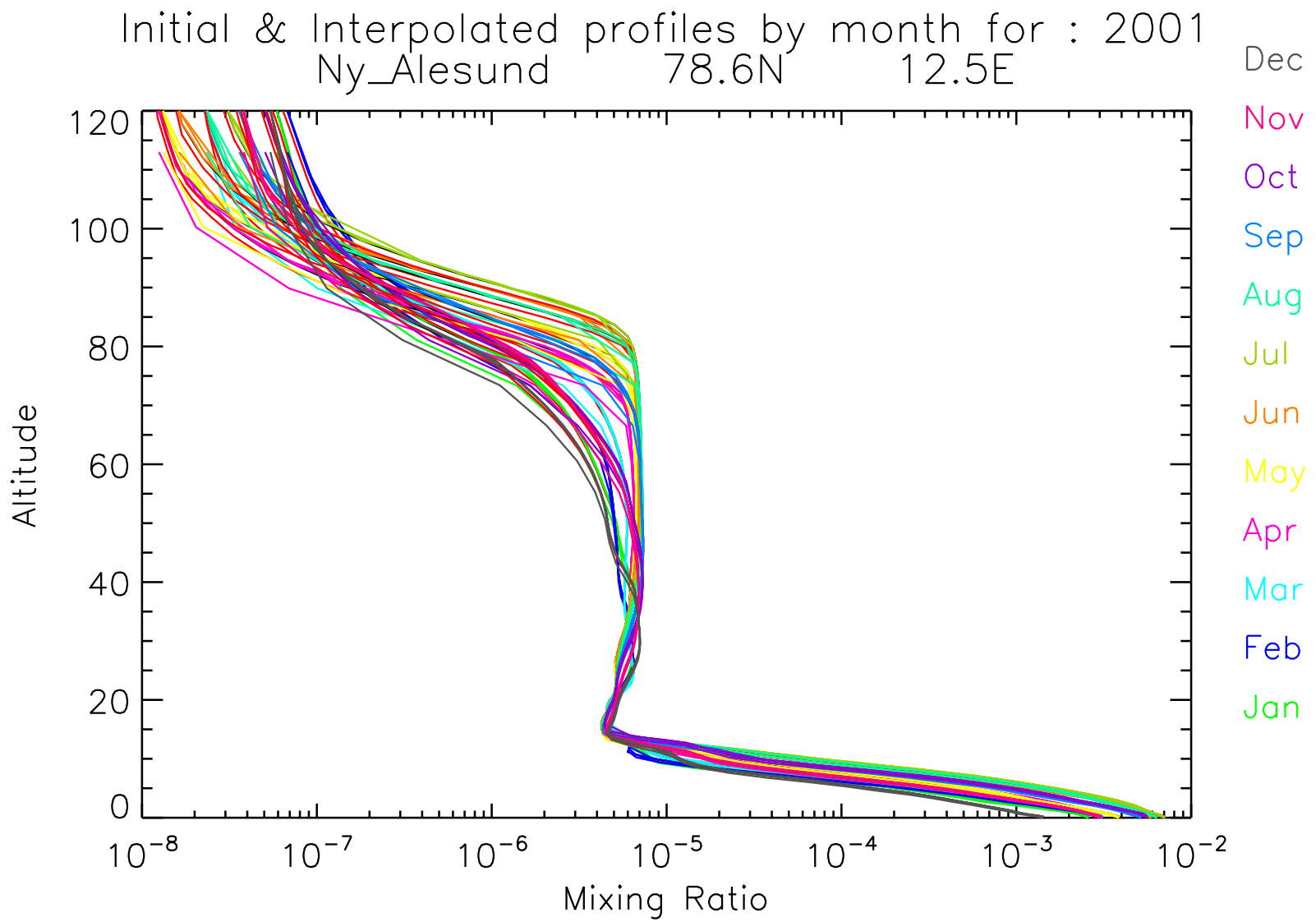
Initial & Interpolated profiles by month for : 2001
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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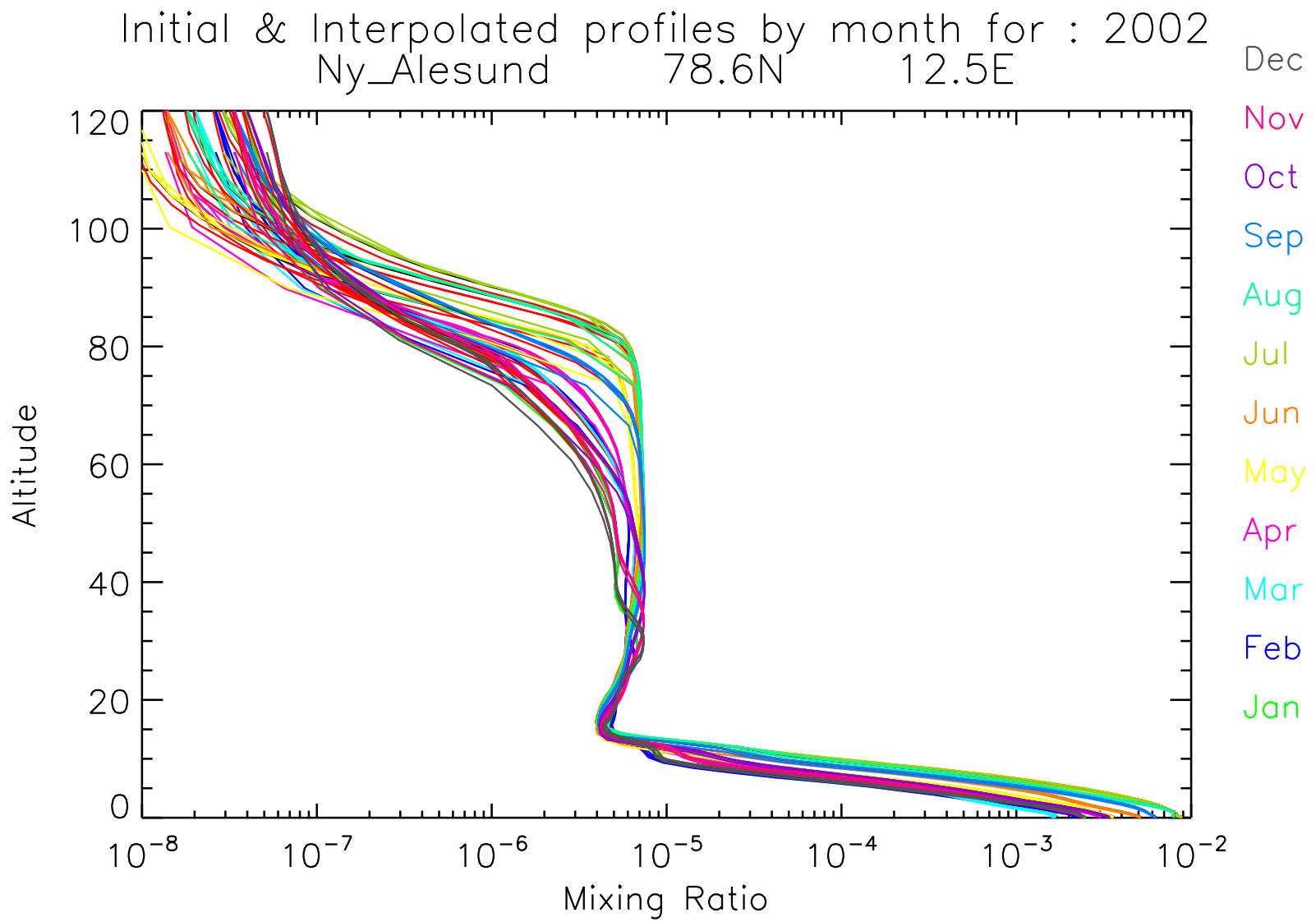
Initial & Interpolated profiles by month for : 2002
Ny_Alesund 78.6N 12.5E
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Altitude
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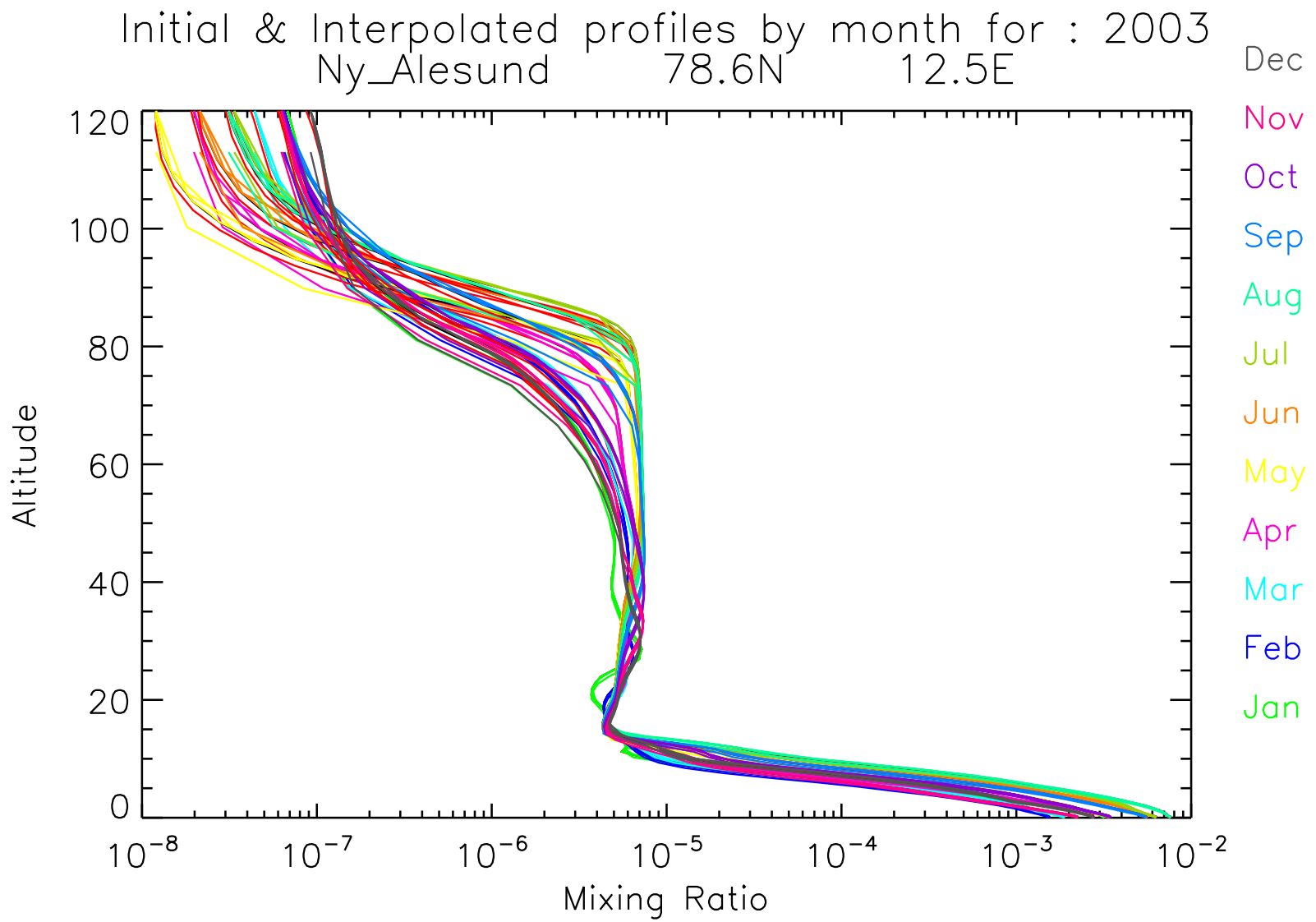
10^{-2}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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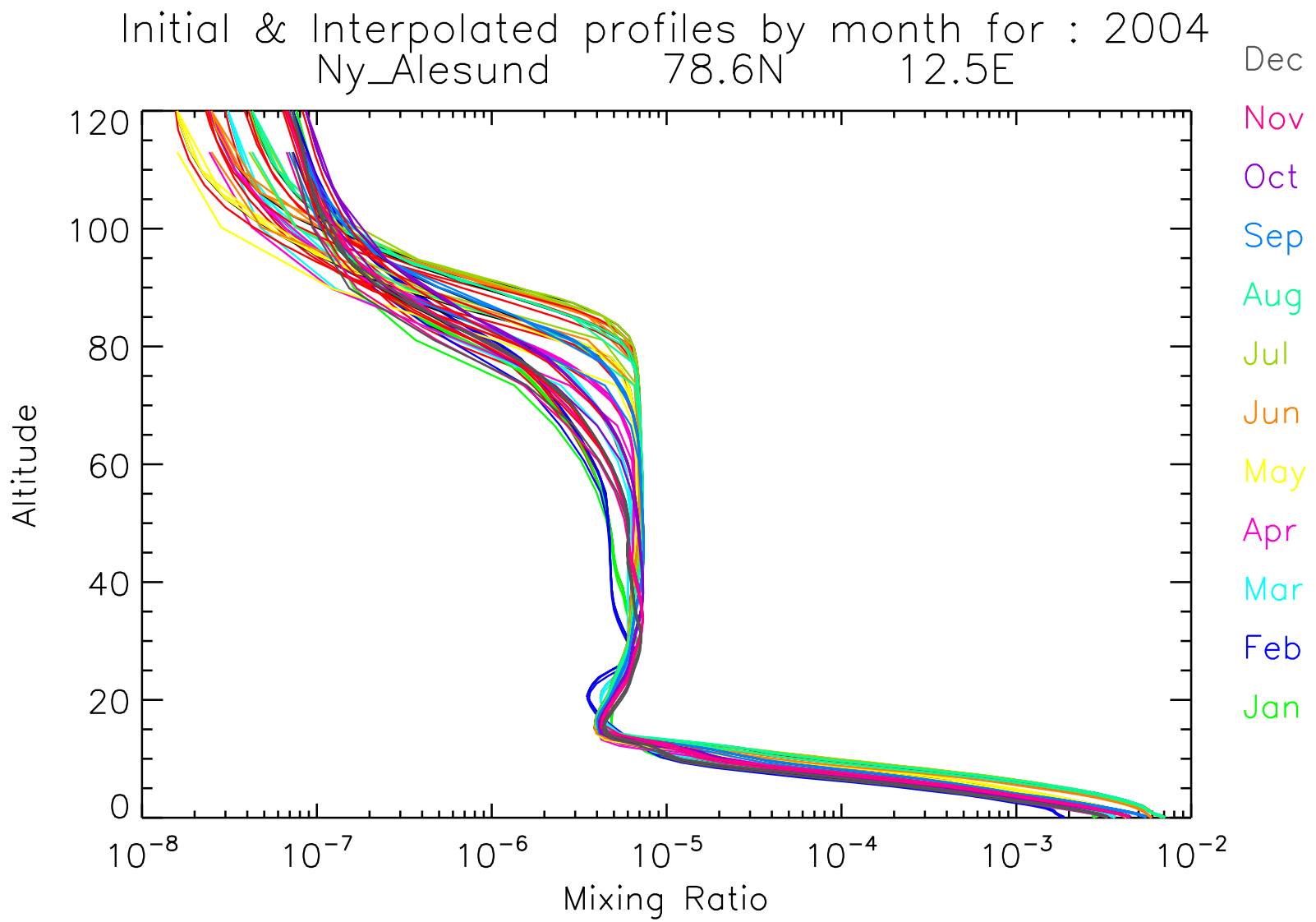
Initial & Interpolated profiles by month for : 2004
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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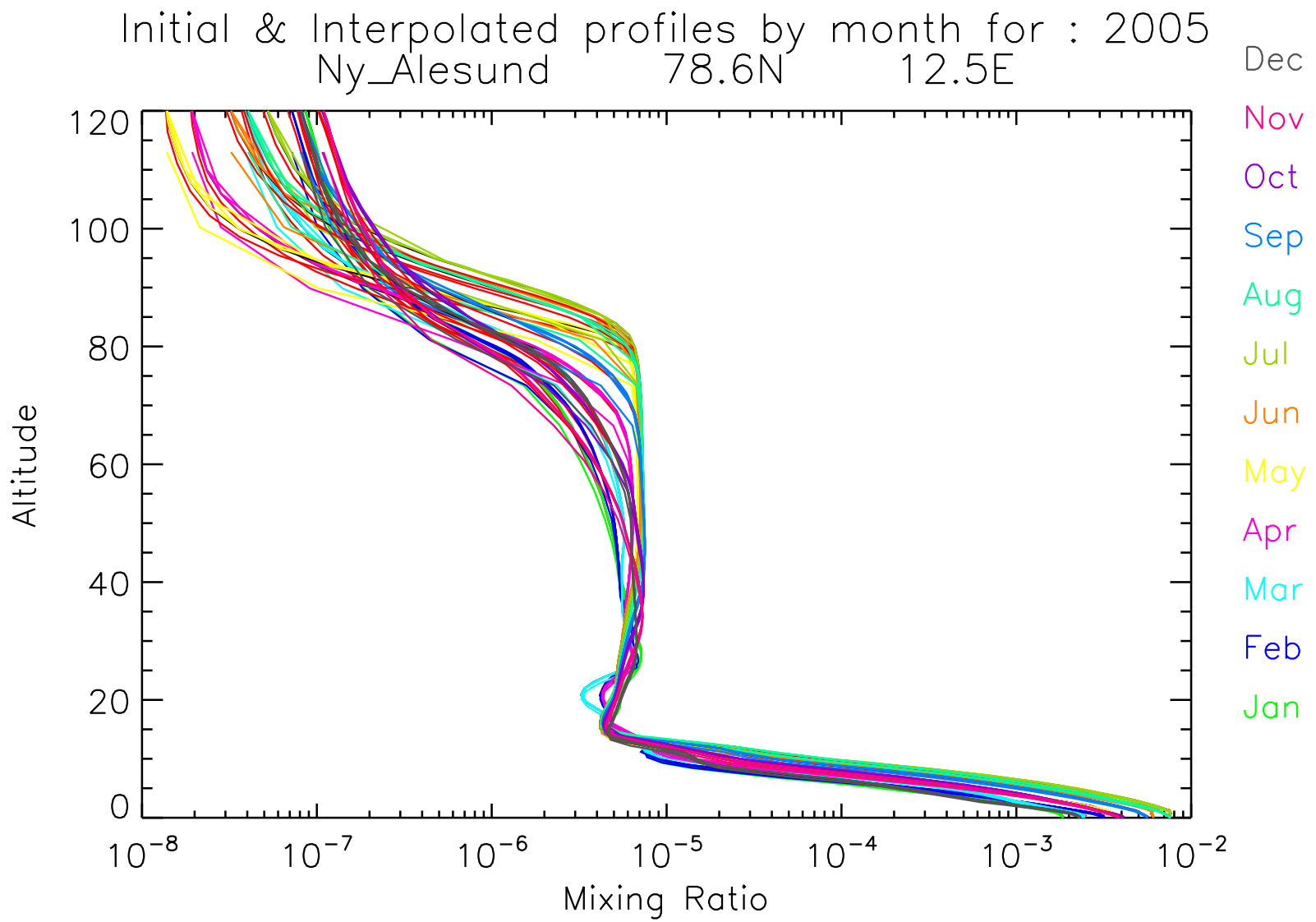
Initial & Interpolated profiles by month for : 2005
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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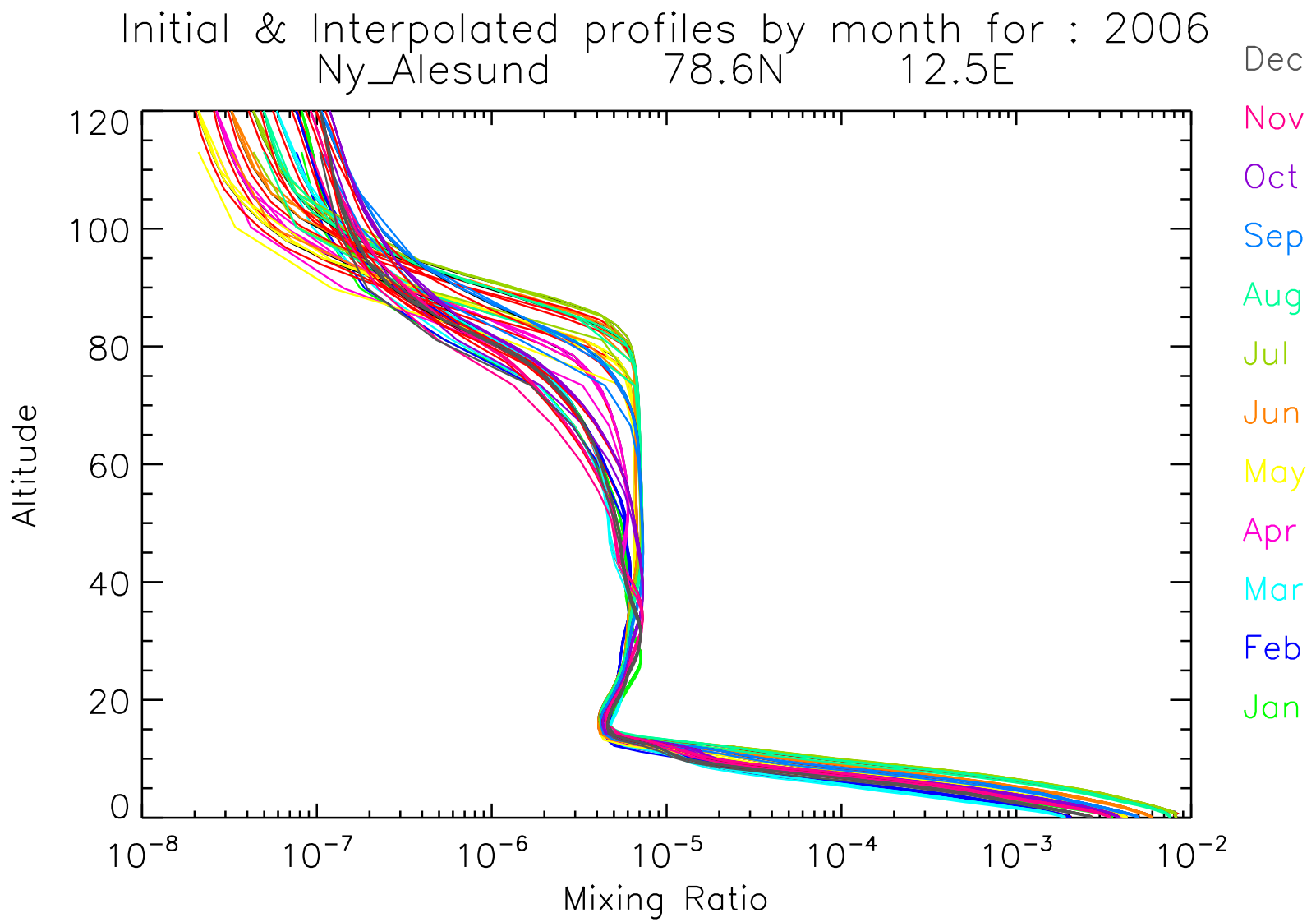
Initial & Interpolated profiles by month for : 2006
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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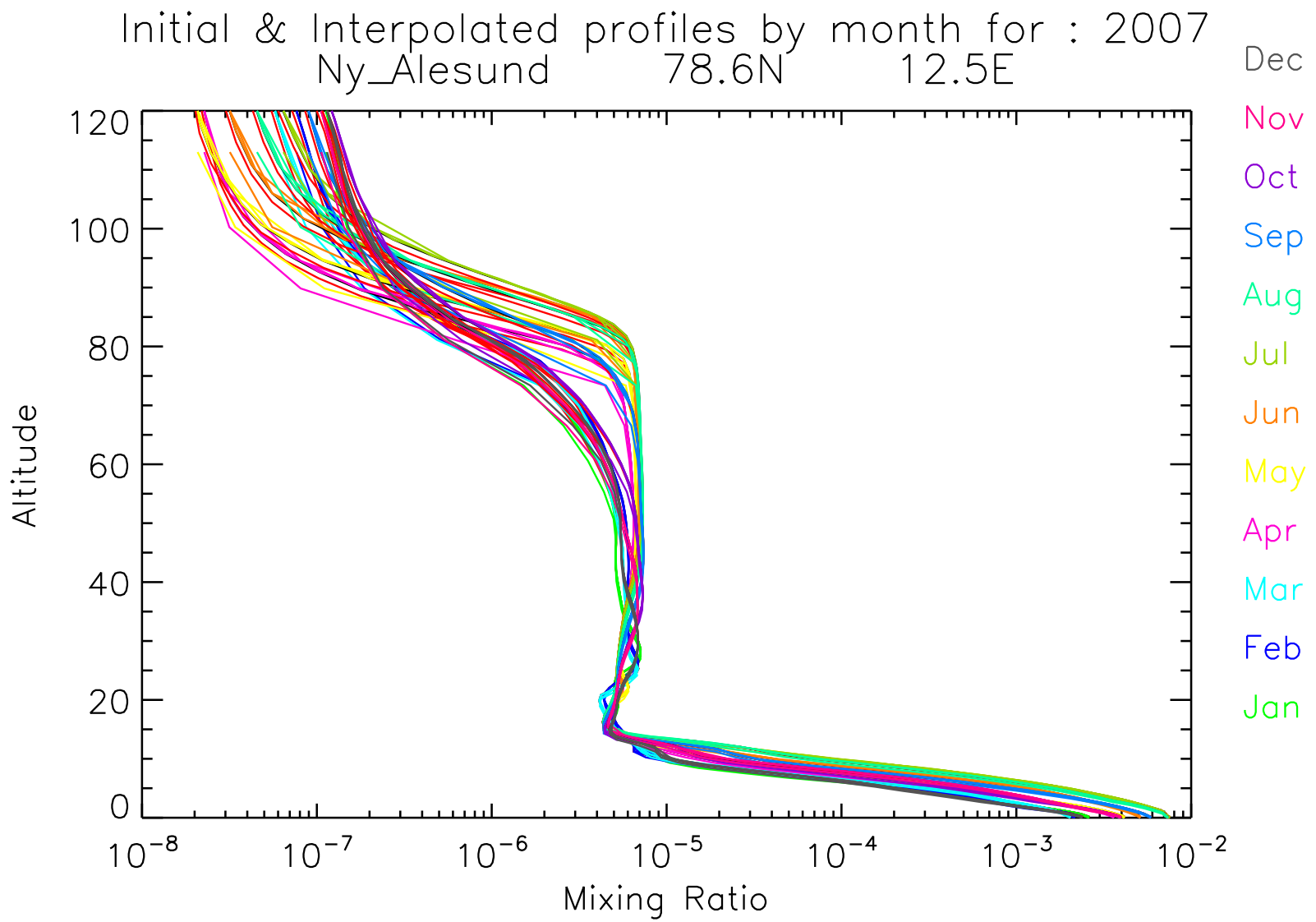
Initial & Interpolated profiles by month for : 2007
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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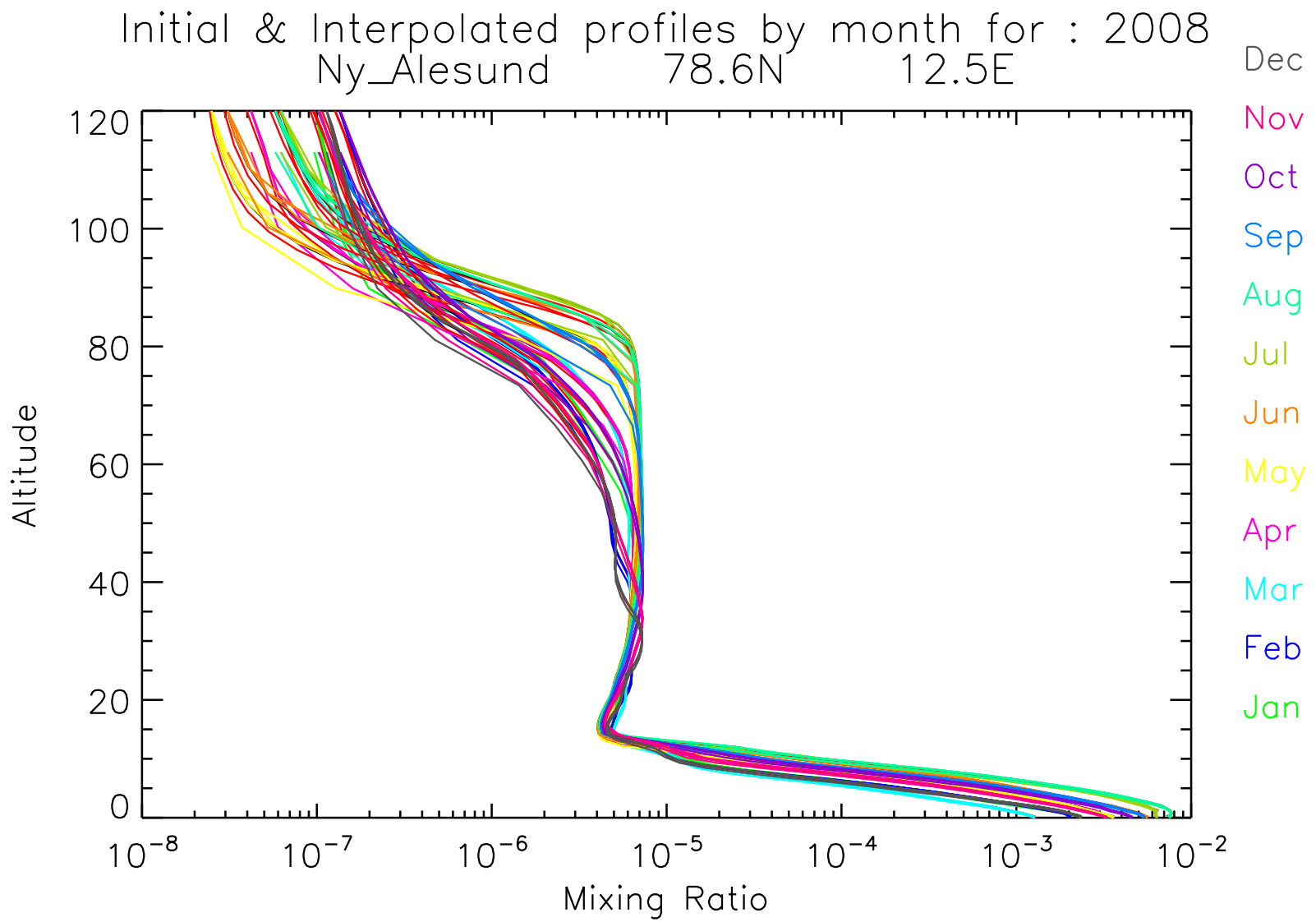
Initial & Interpolated profiles by month for : 2008
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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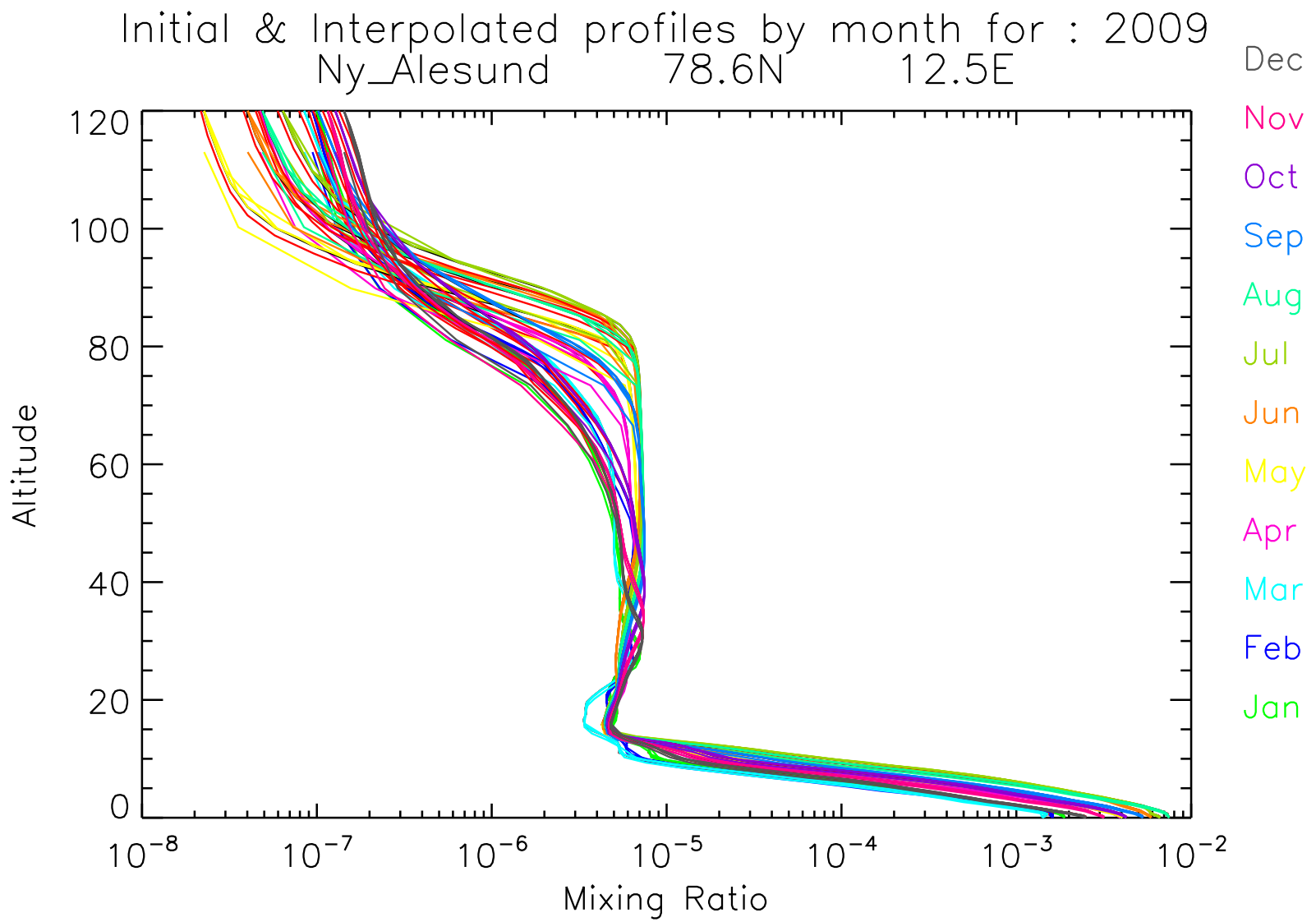
Initial & Interpolated profiles by month for : 2009
Ny_Alesund 78.6N 12.5E
Altitude
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Mixing Ratio
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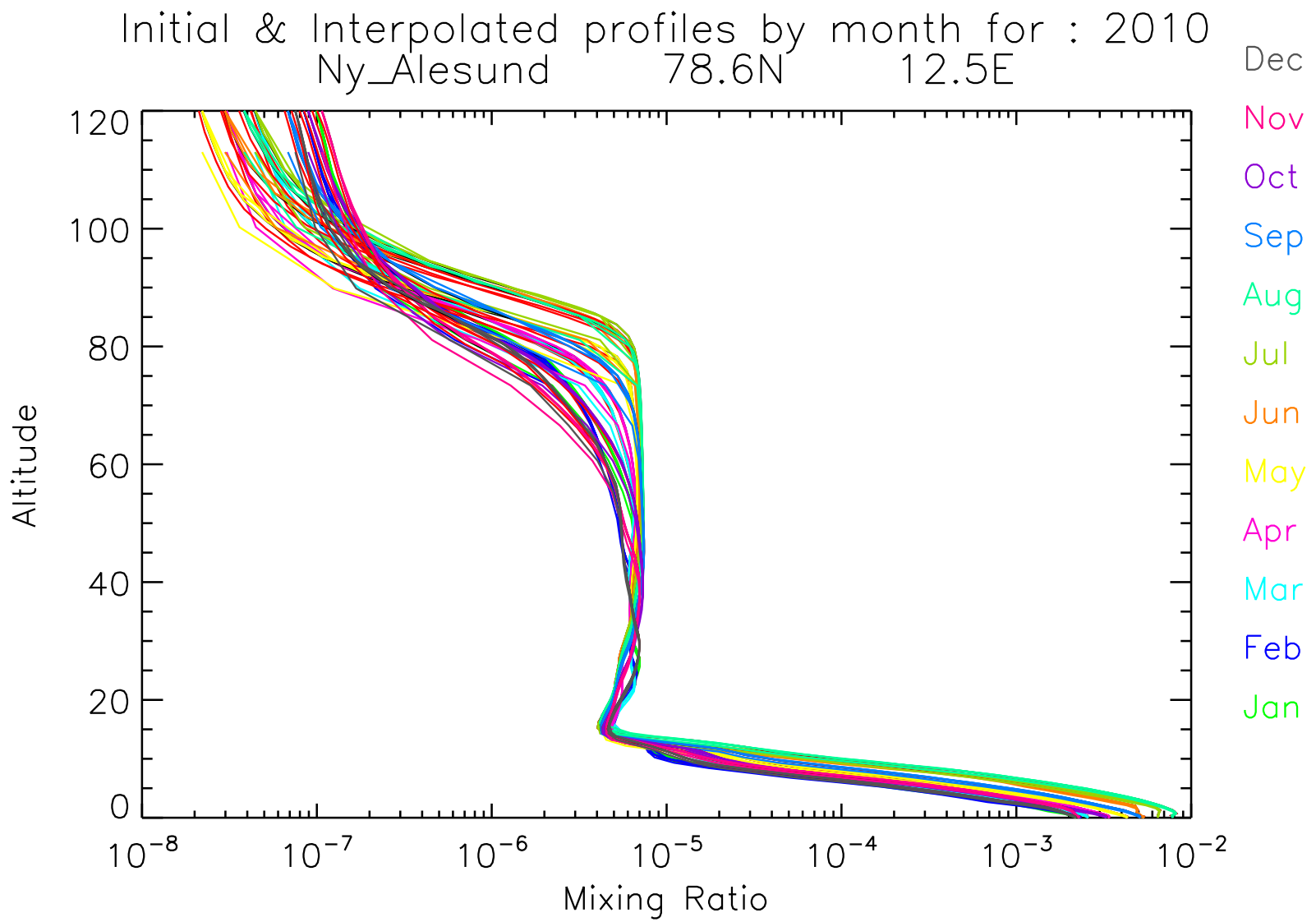
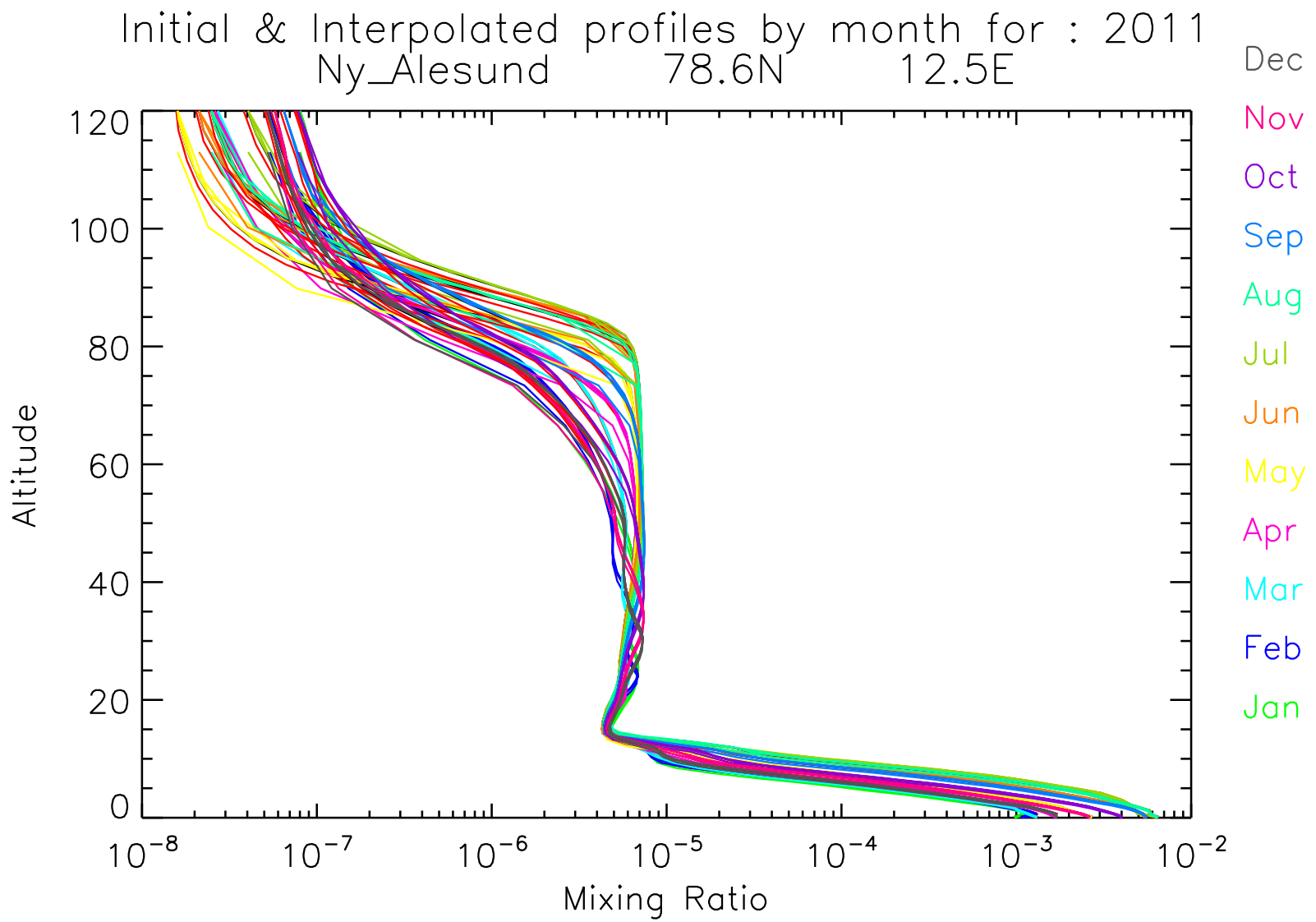
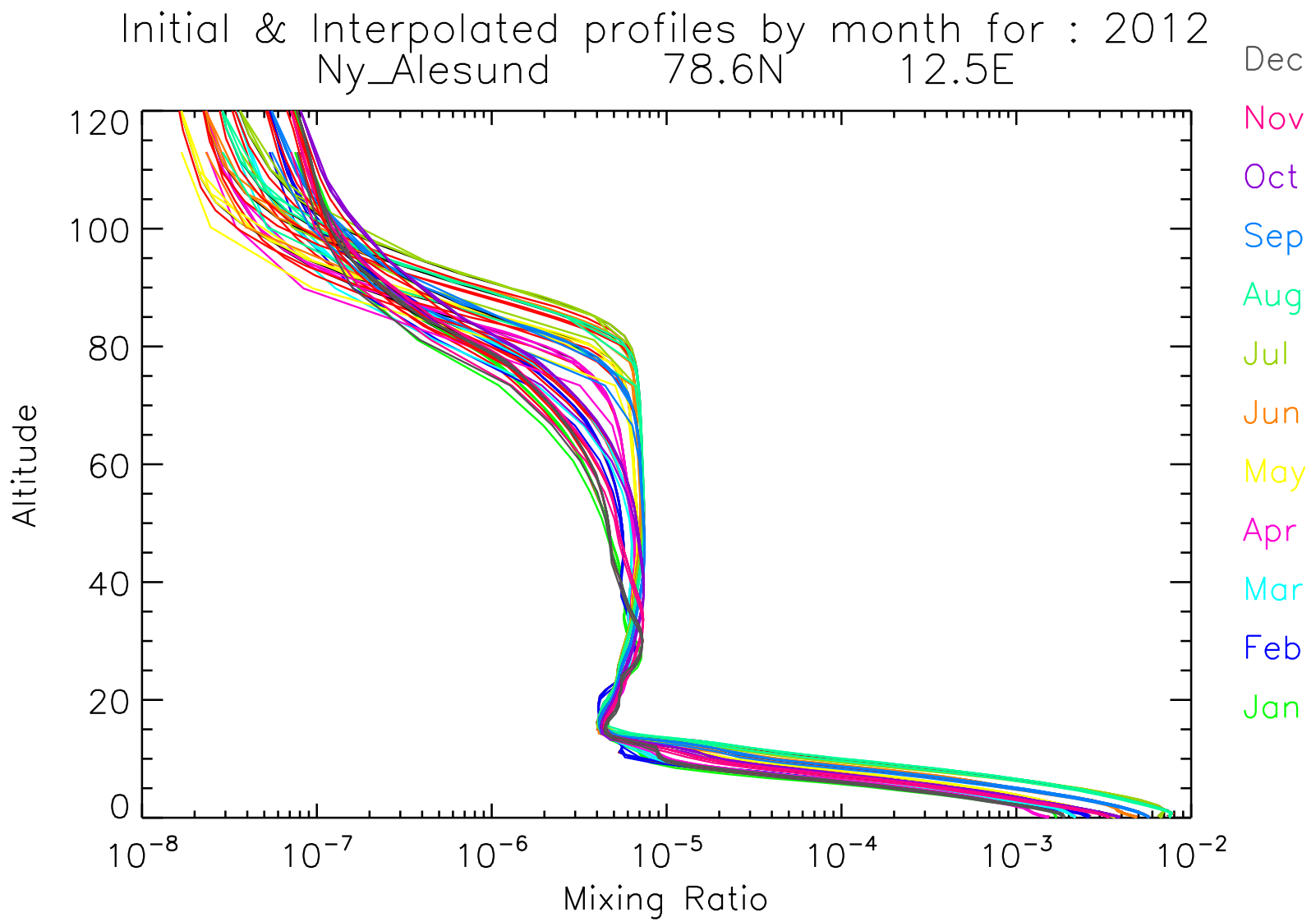
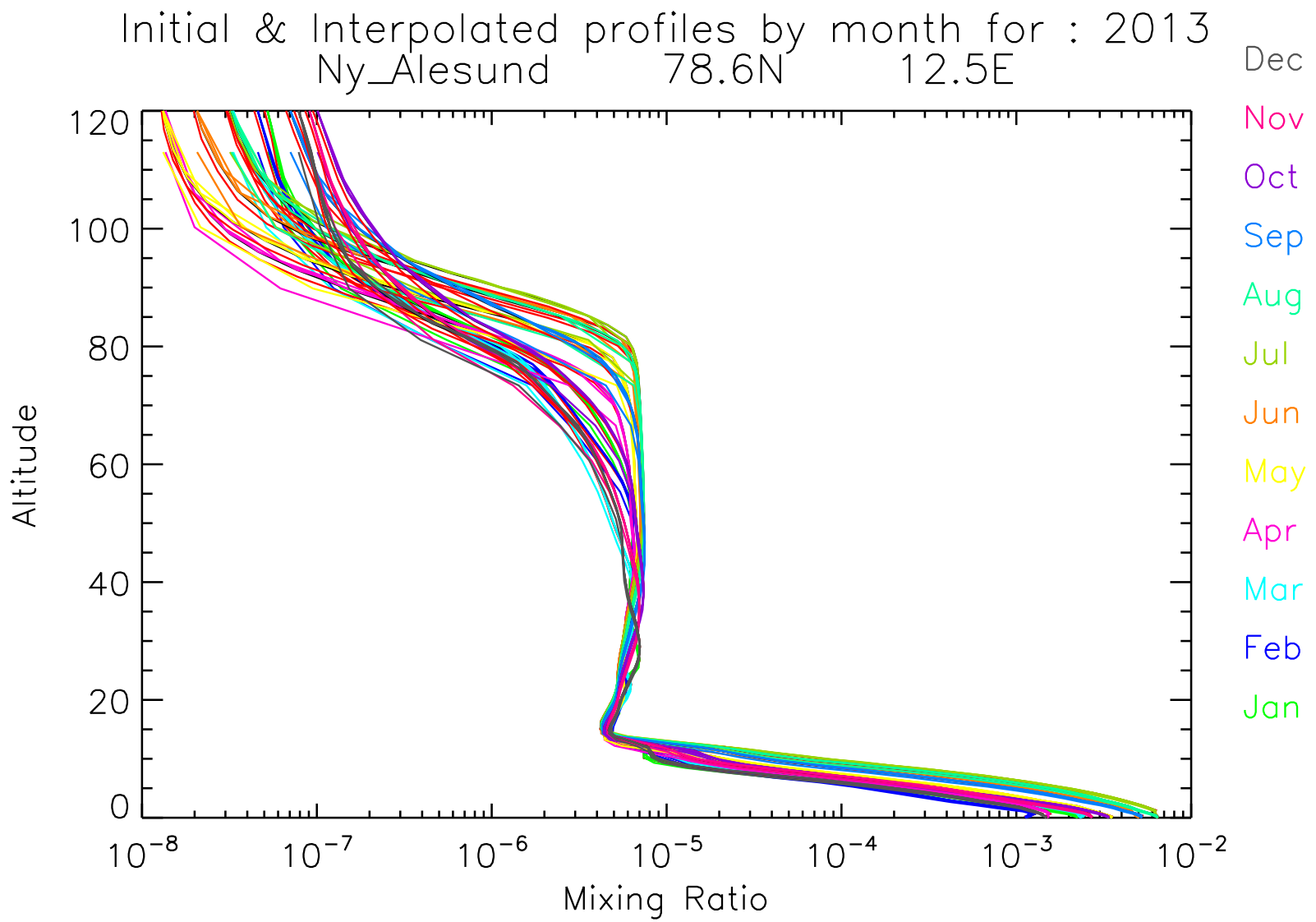
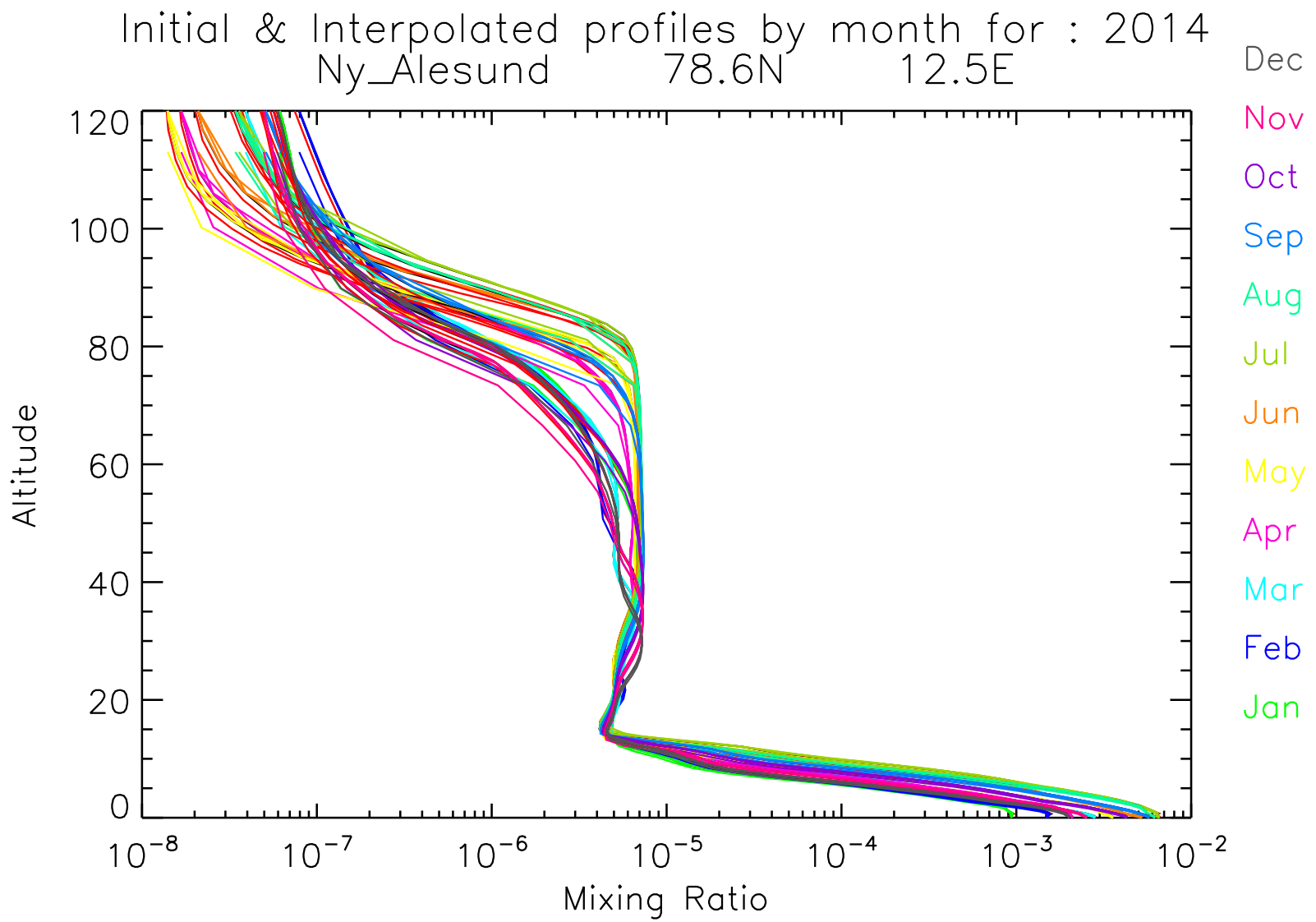
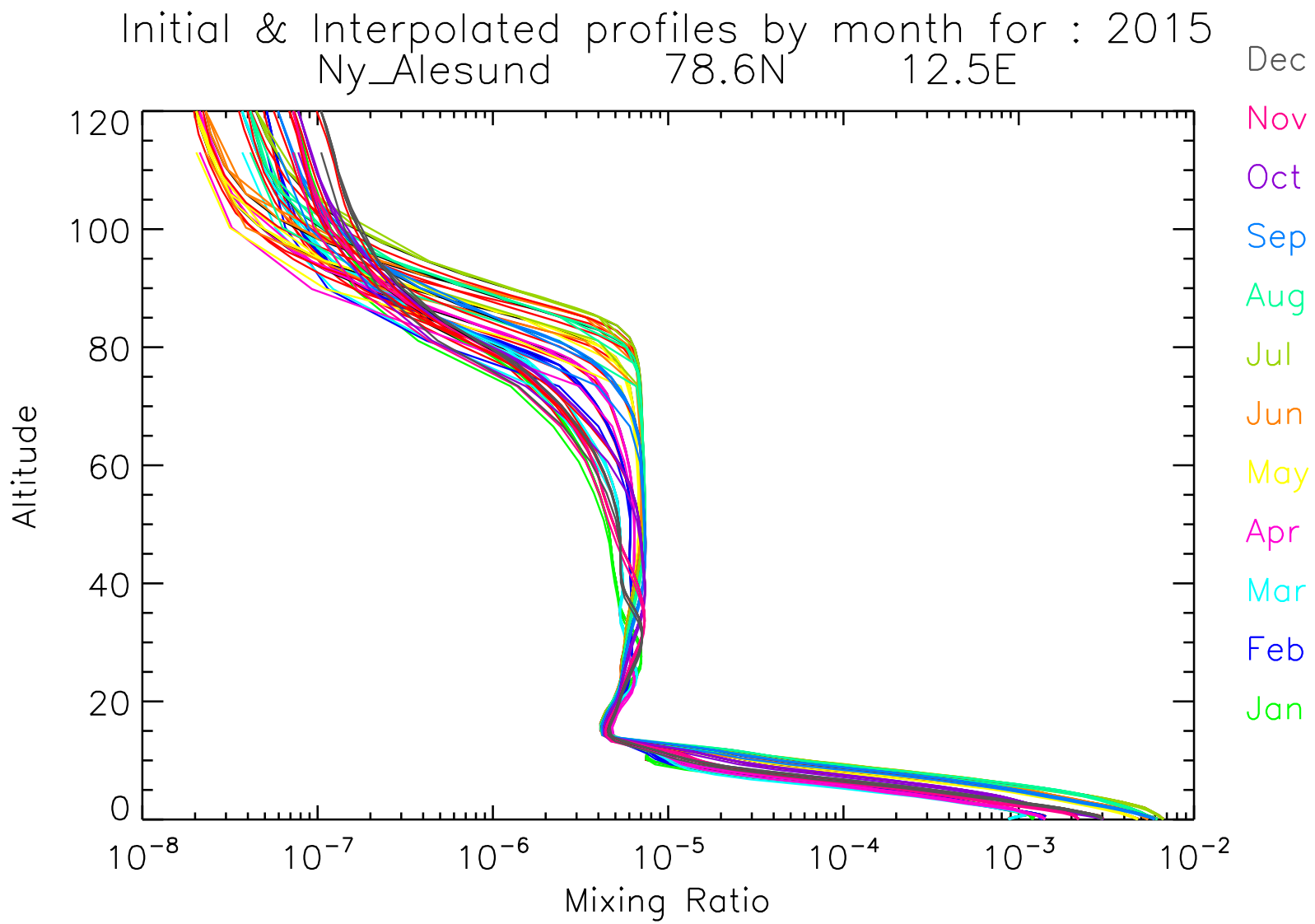

Initial & Interpolated profiles by month for : 2010
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

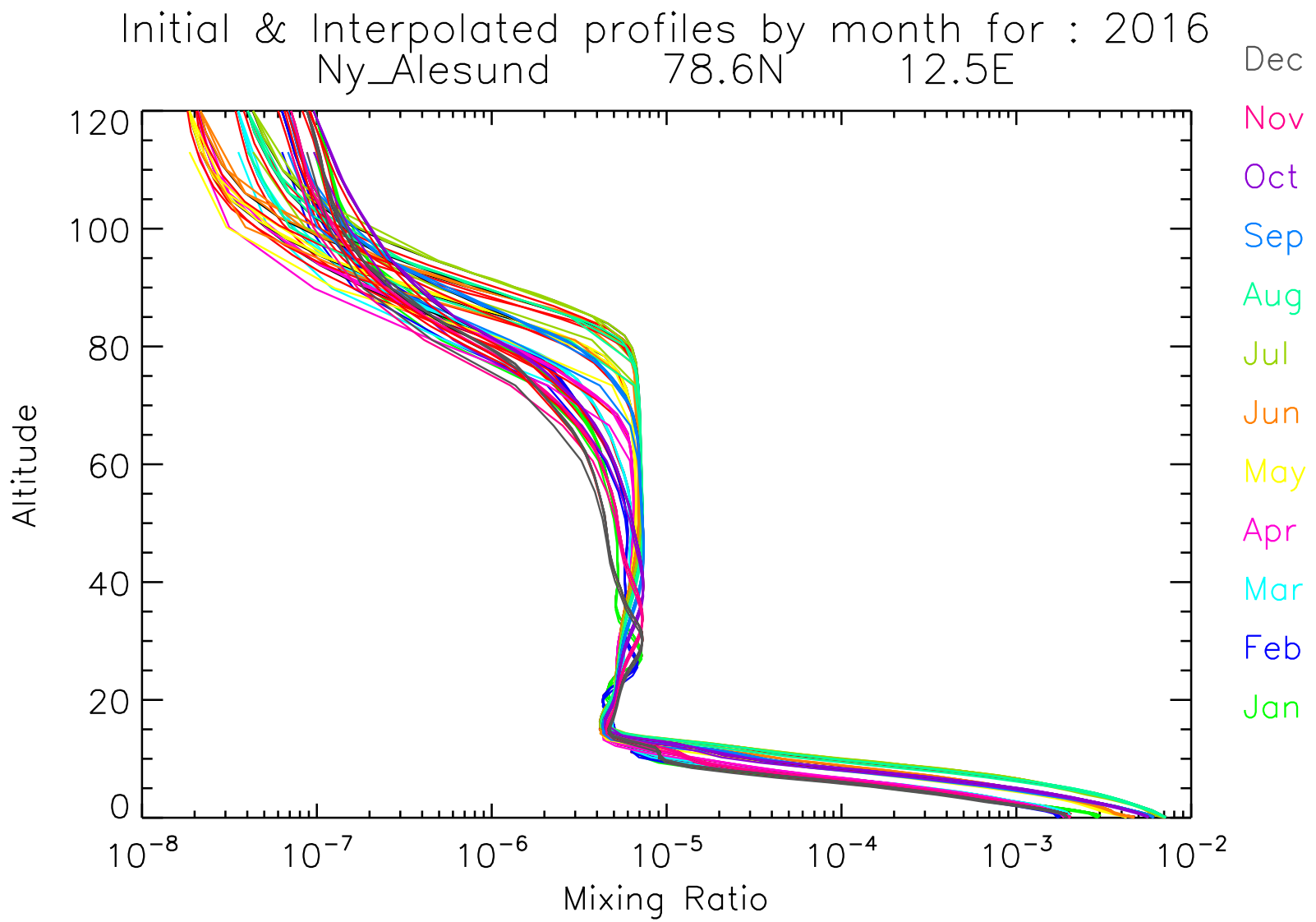

Initial & Interpolated profiles by month for : 2011
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

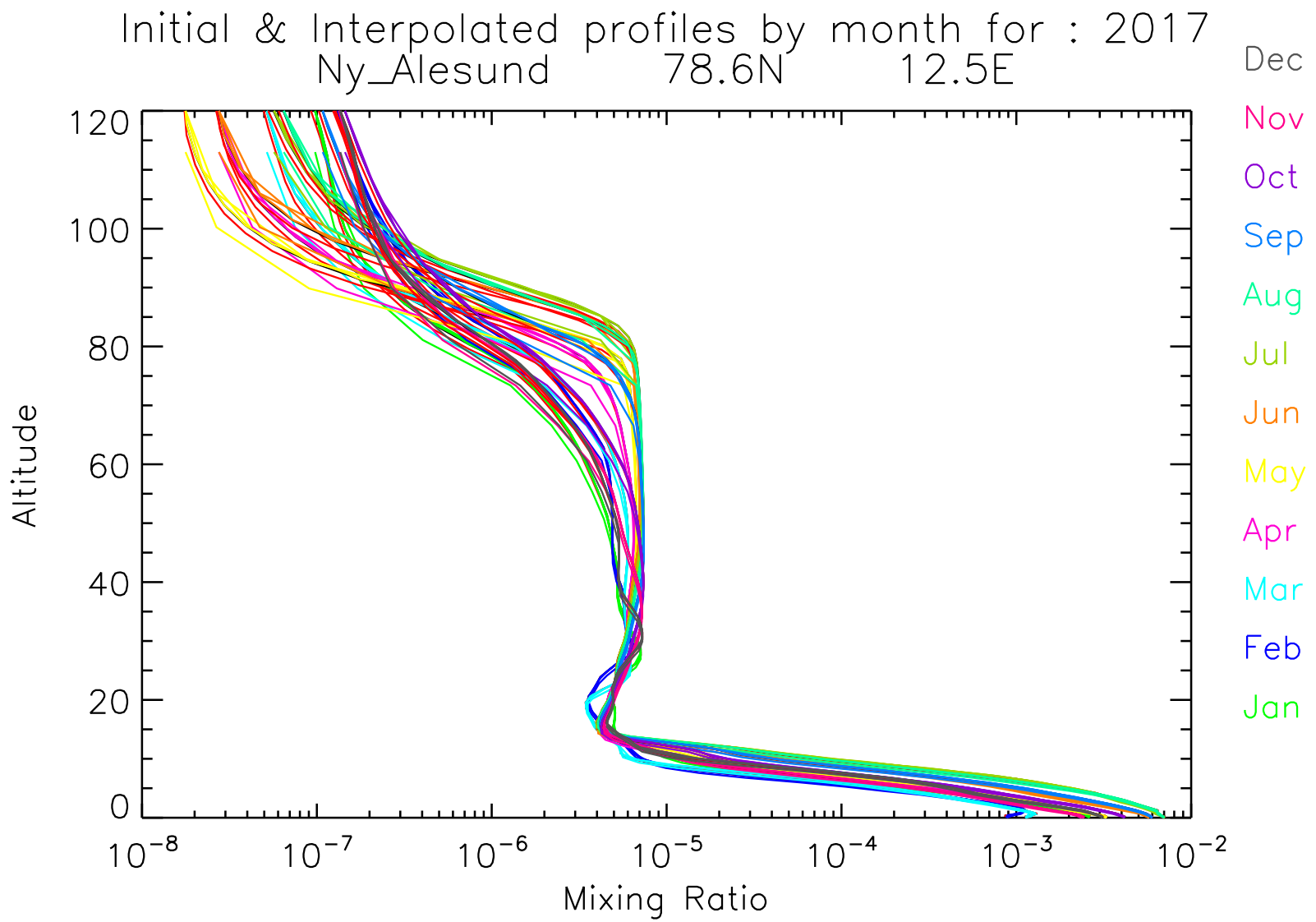

Initial & Interpolated profiles by month for : 2012
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

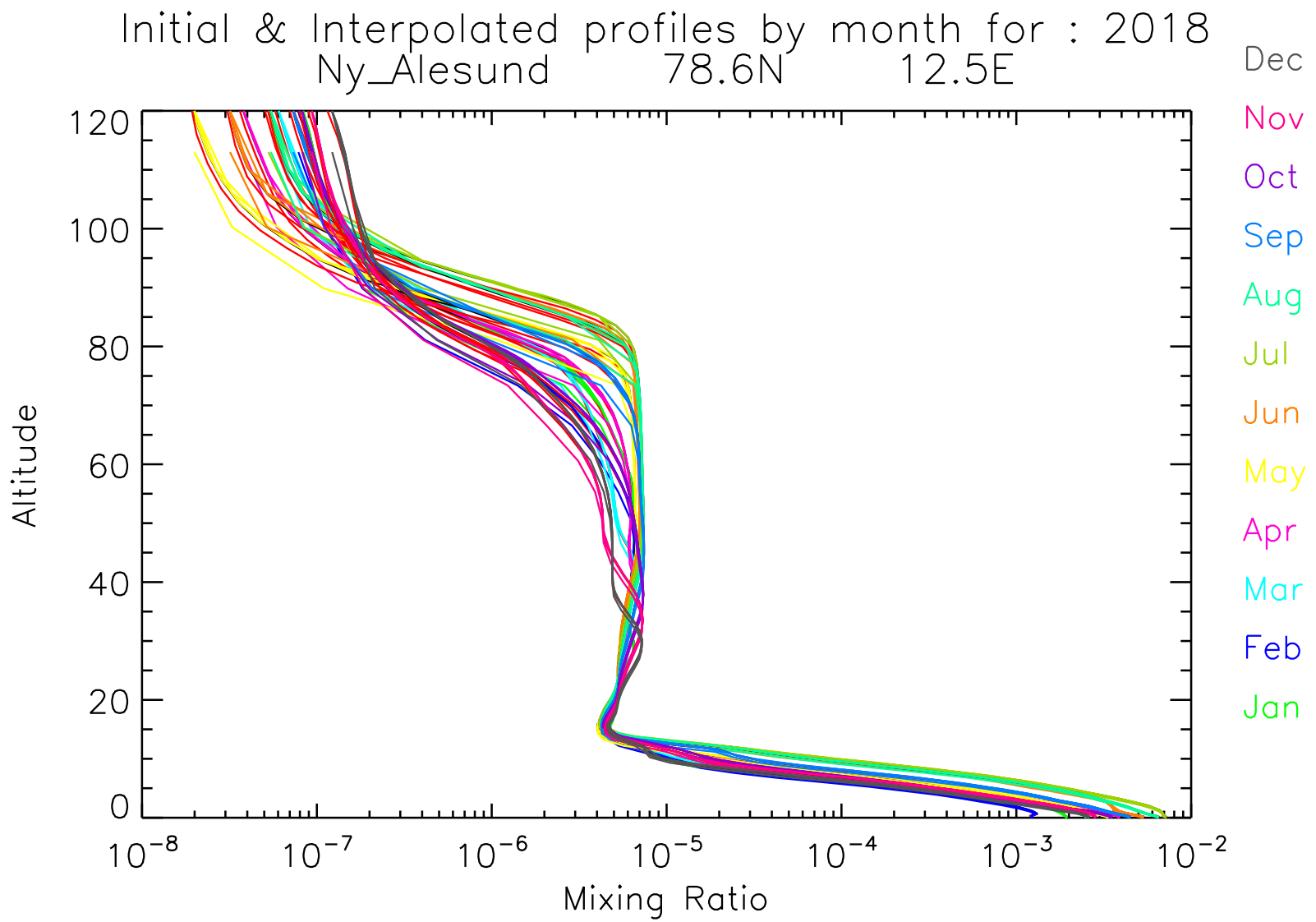

Initial & Interpolated profiles by month for : 2013
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

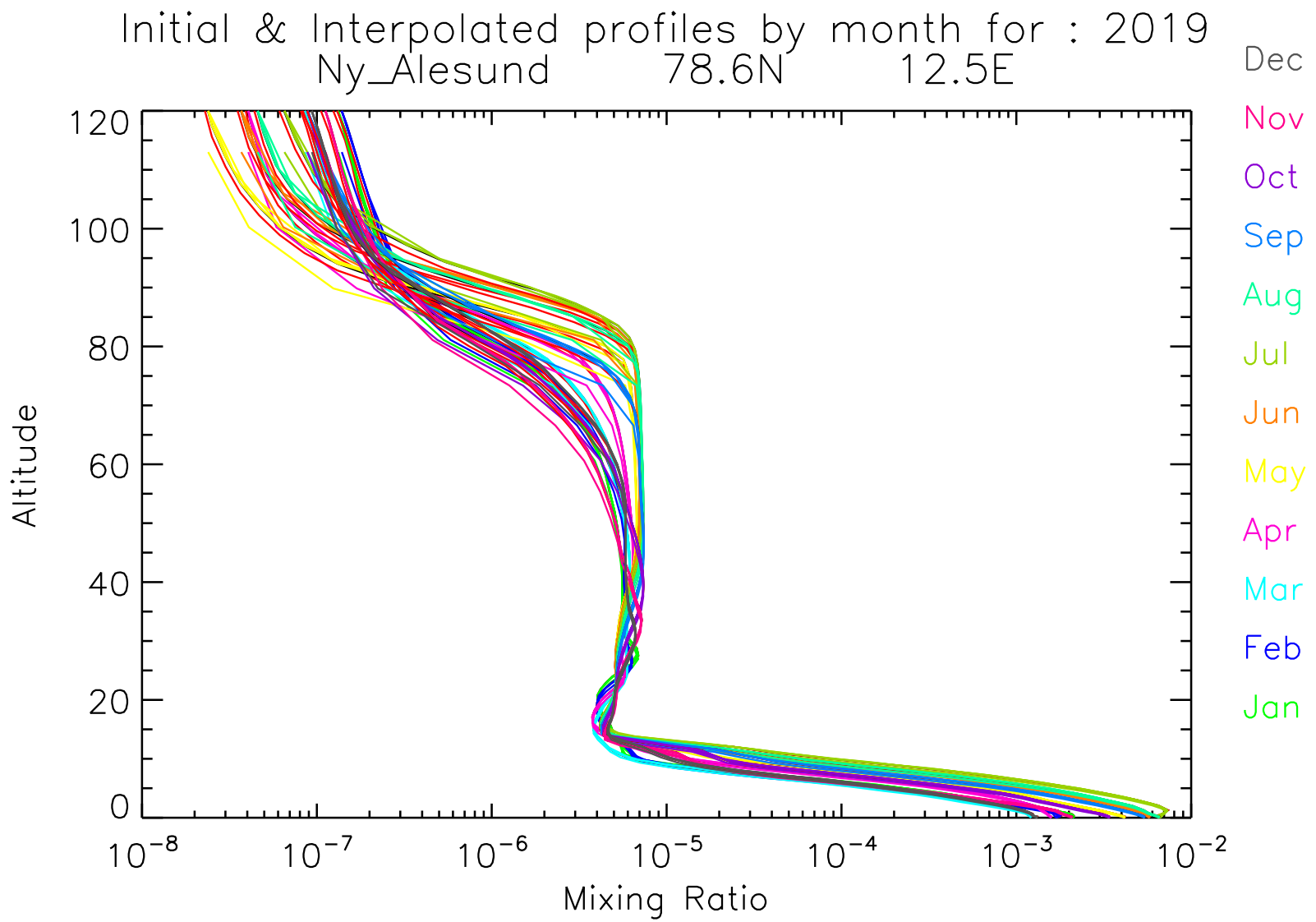

Initial & Interpolated profiles by month for : 2014
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

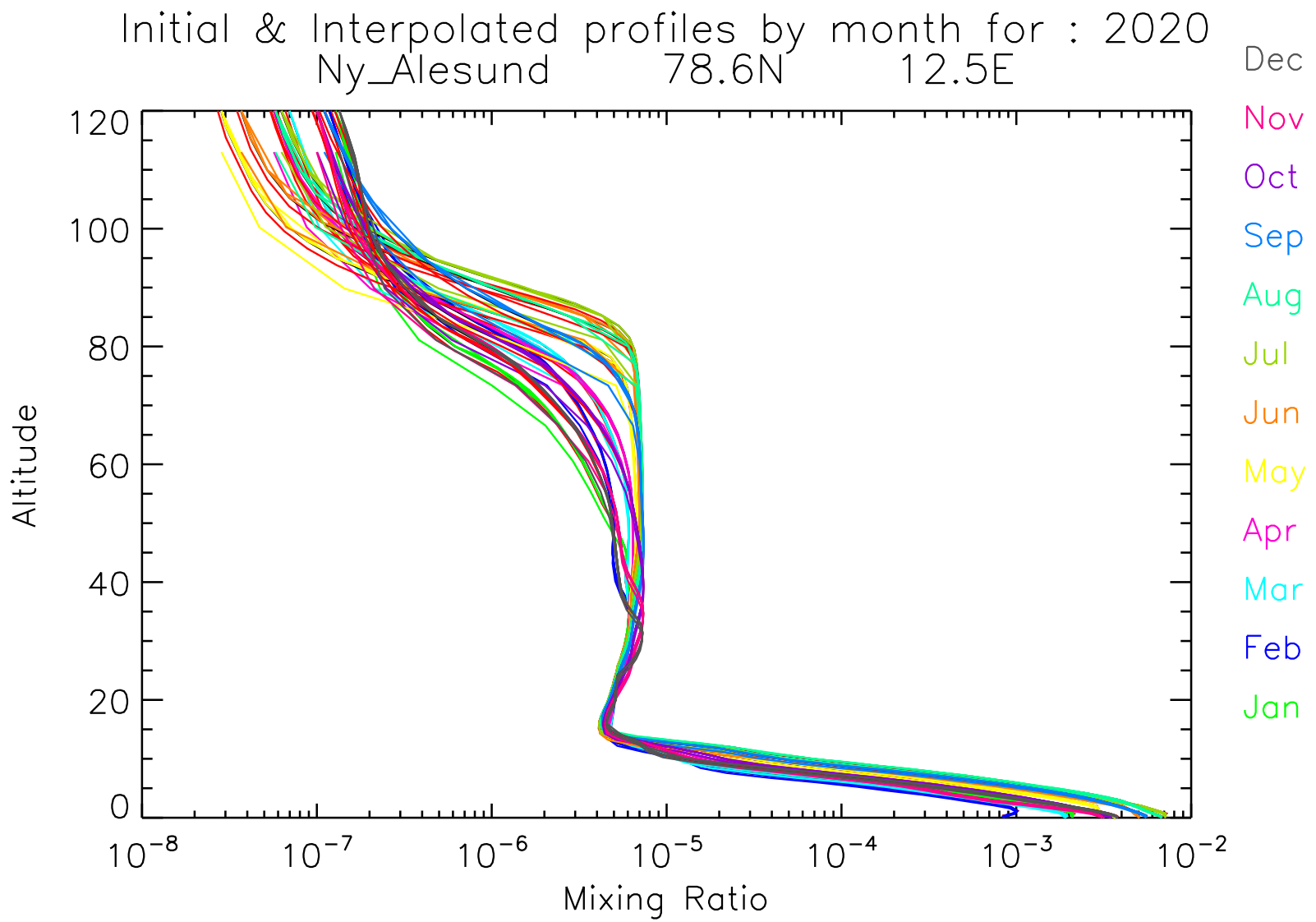

Initial & Interpolated profiles by month for : 2015
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

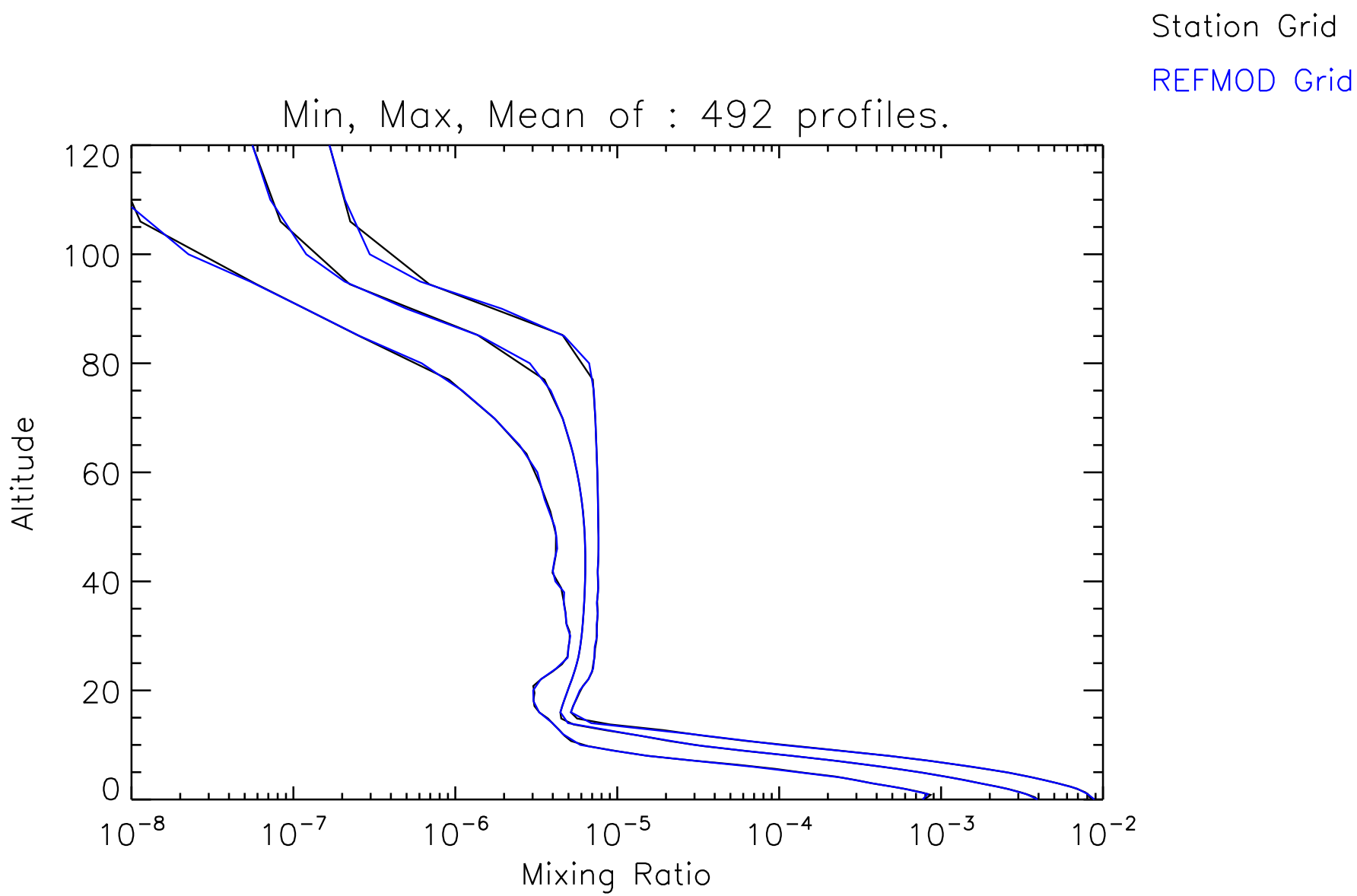

Initial & Interpolated profiles by month for : 2016
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

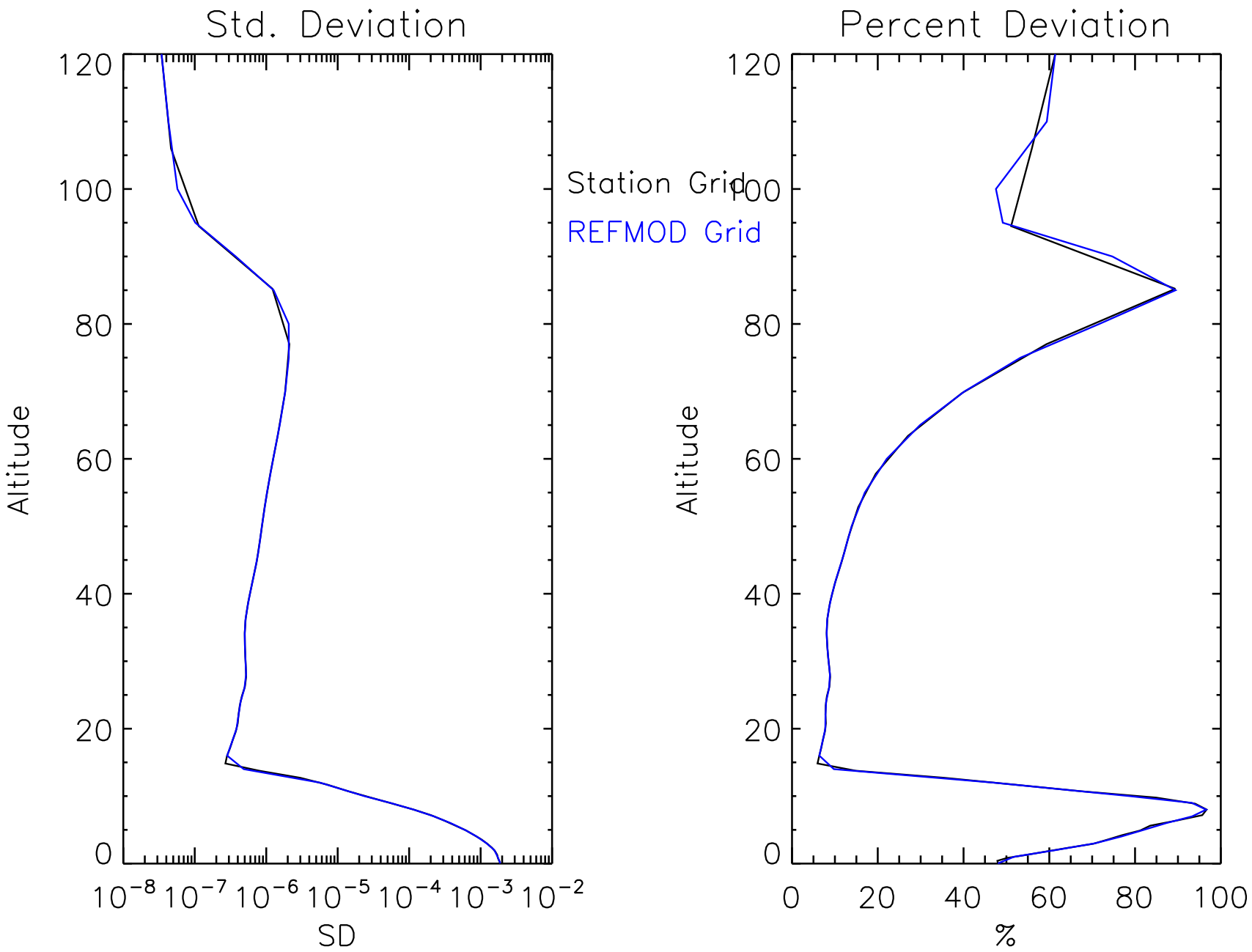

Initial & Interpolated profiles by month for : 2017
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

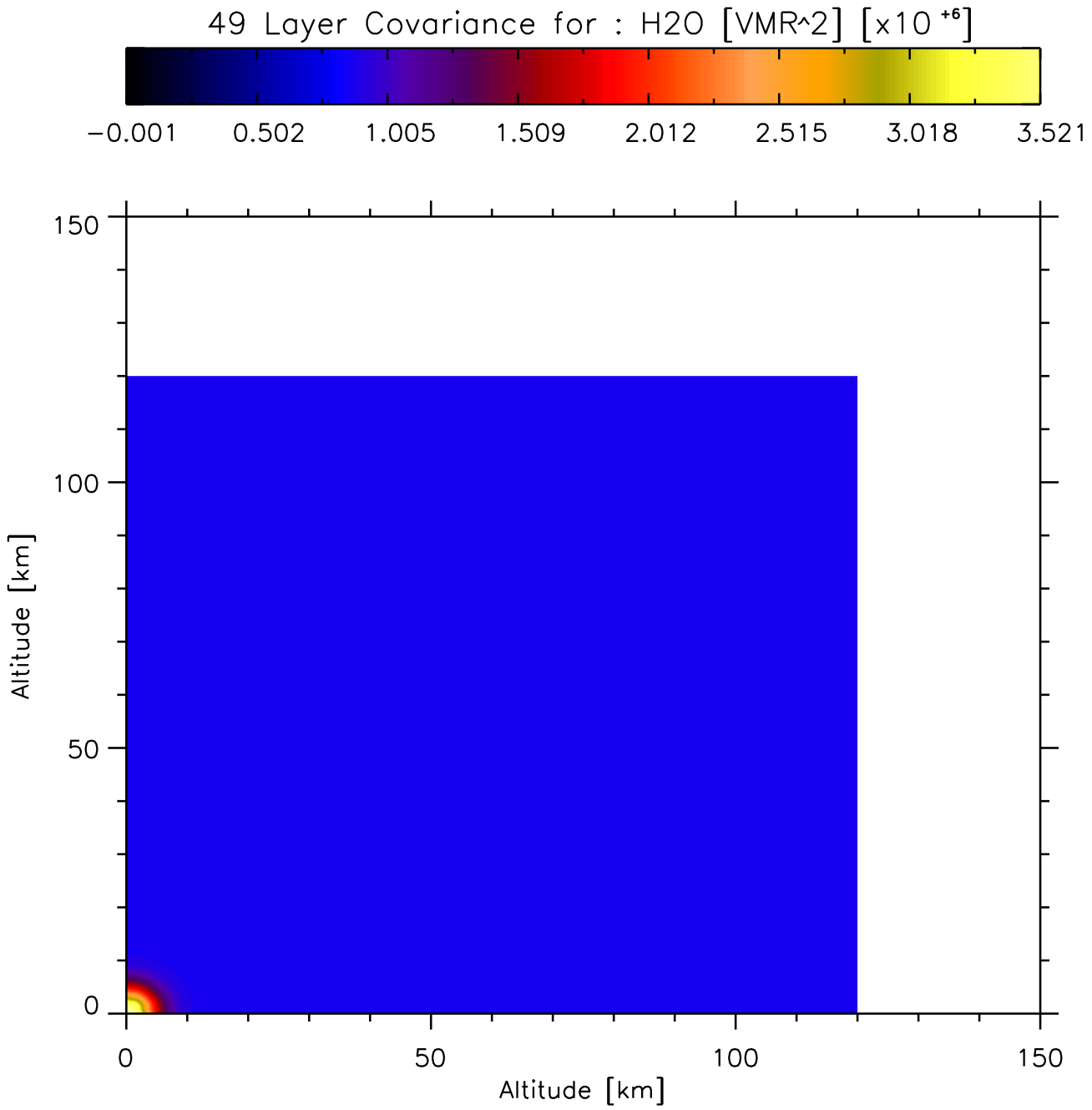

Initial & Interpolated profiles by month for : 2018
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

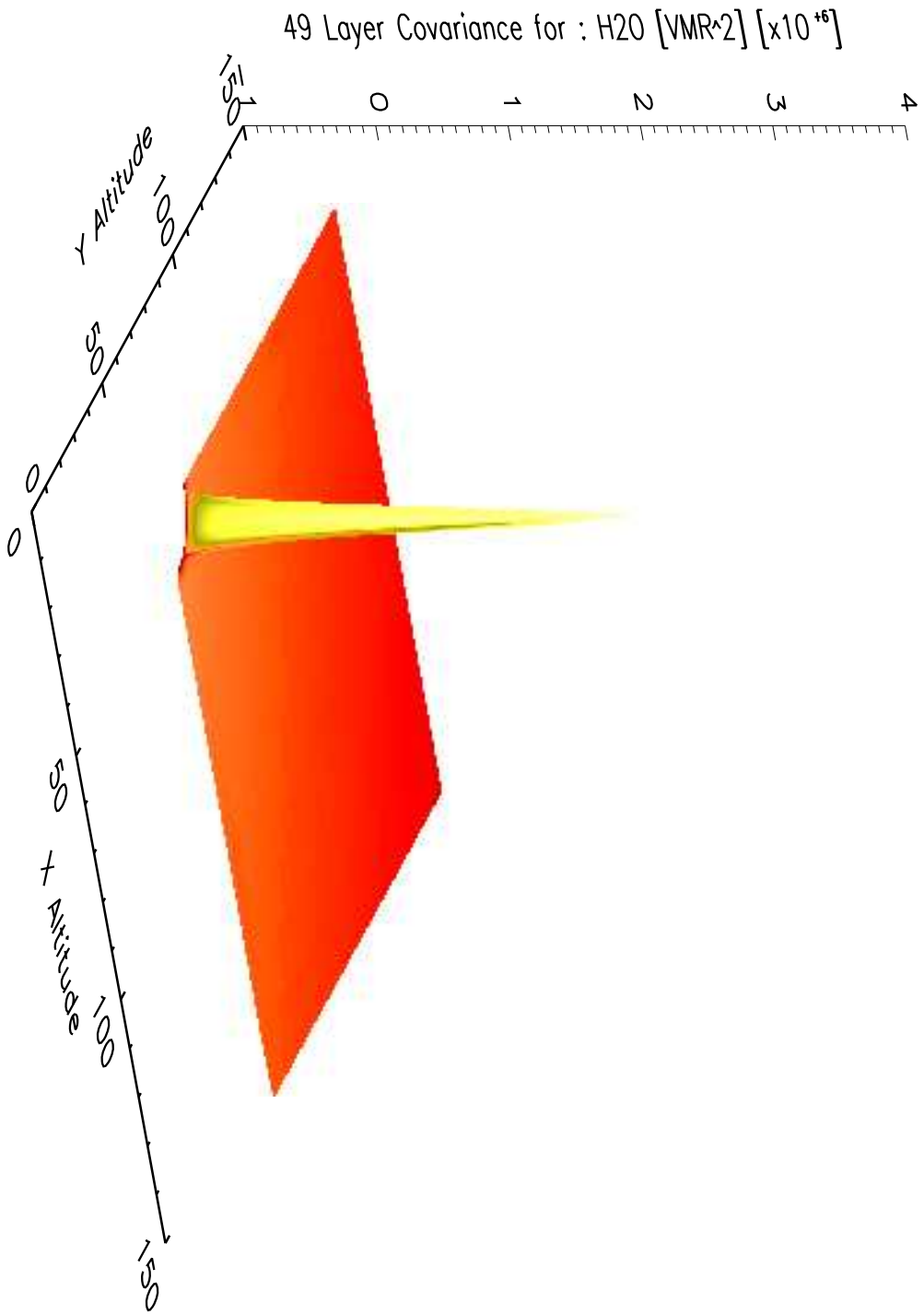

Initial & Interpolated profiles by month for : 2019
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

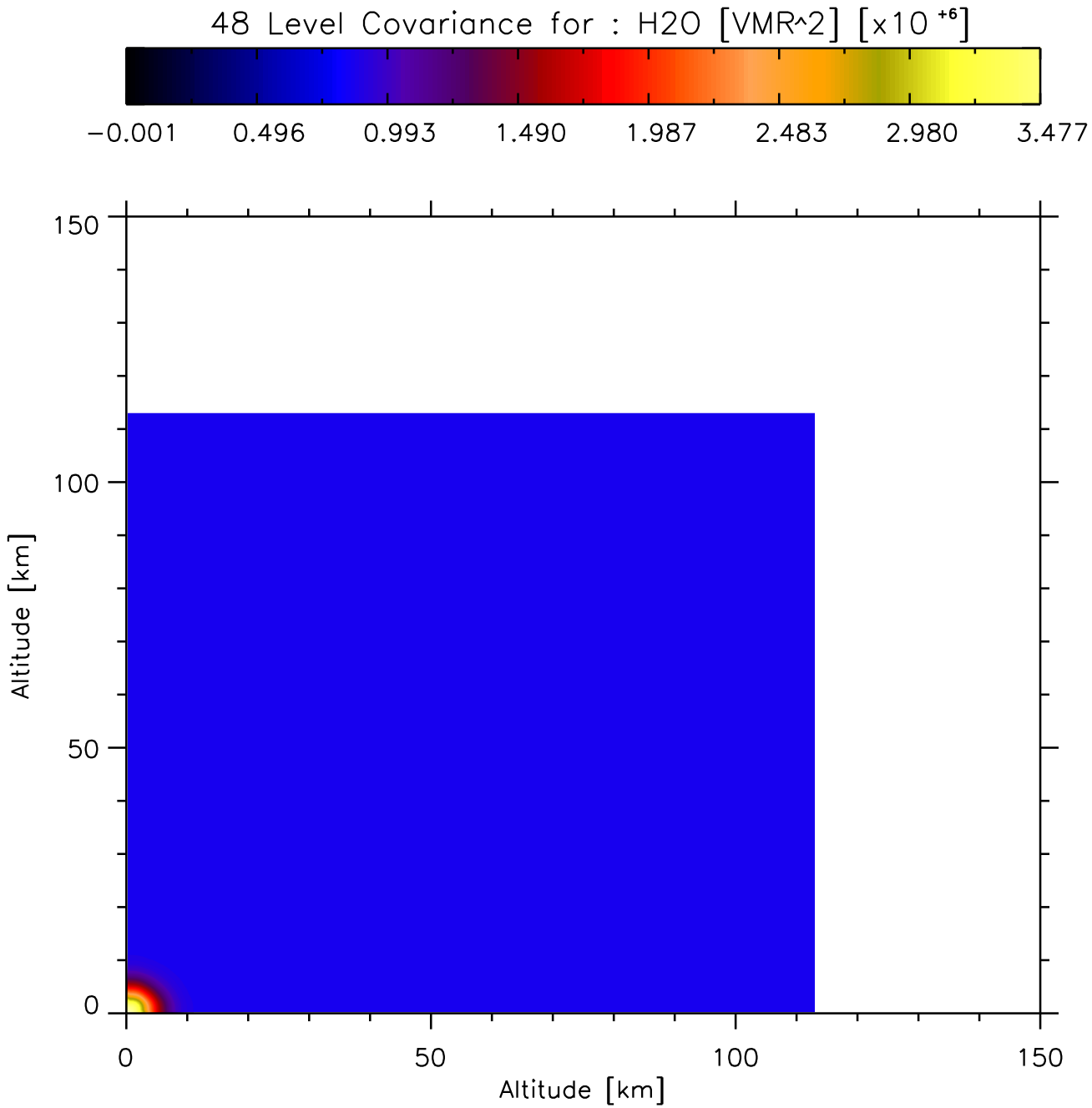

Initial & Interpolated profiles by month for : 2020
Ny_Alesund 78.6N 12.5E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

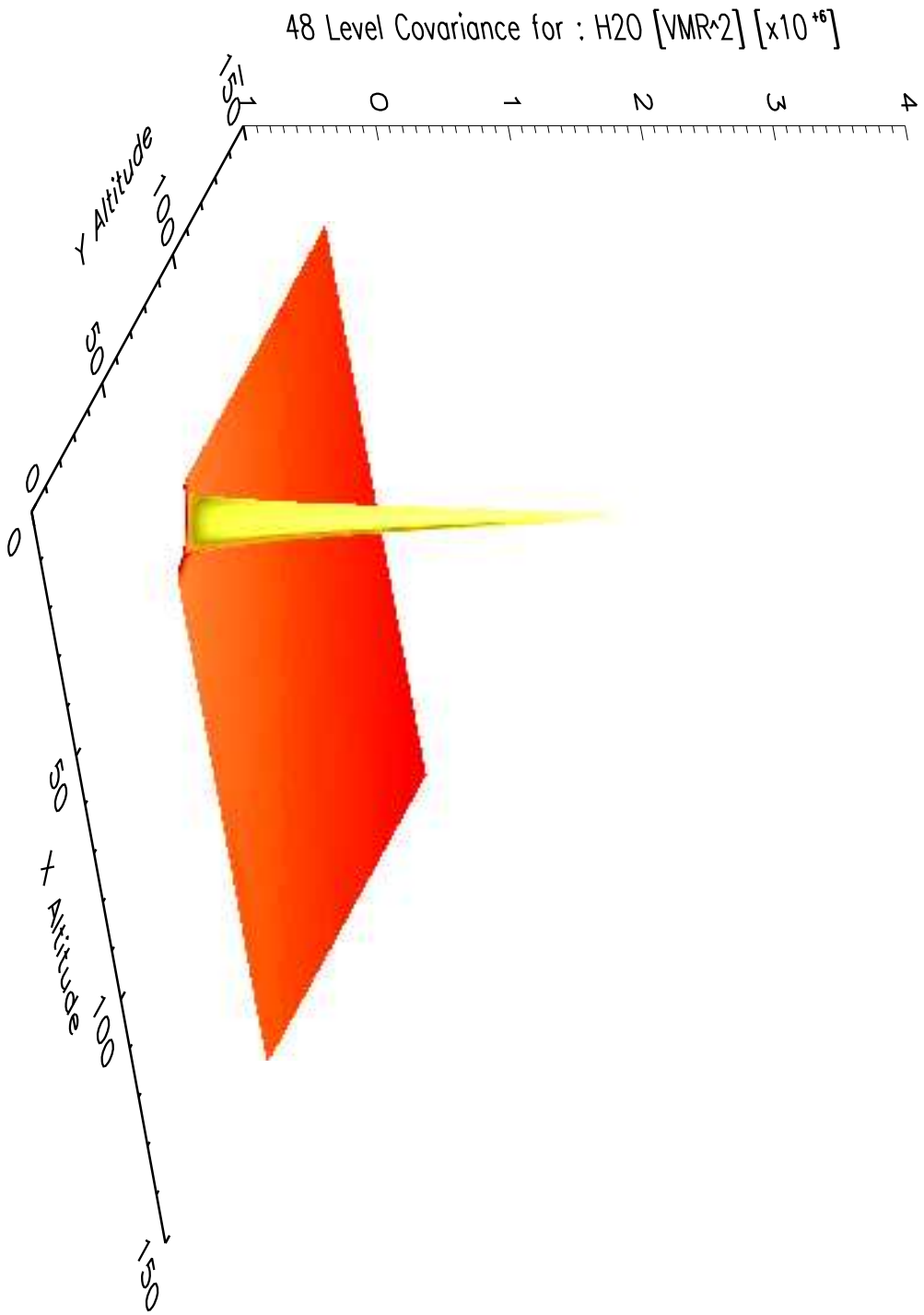

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2}
SD
0 20 40 60 80 100
%


49 Layer Covariance for : H2O [VMR^2] [x10 +6]
−0.001
0.502
1.005
1.509
2.012
2.515
3.018
3.521
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : H2O [VMR^2] [x10^-6]
0
1
2
3
4
Y Altitude
150
100
50
0
0
50
100
150
X Altitude


48 Level Covariance for : H2O [VMR^2] [x10 +6]
−0.001
0.496
0.993
1.490
1.987
2.483
2.980
3.477
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : H20 [VMR^2] [x10^-6]
0
1
2
3
4
Y Altitude
150
100
50
0
X Altitude
0
50
100
150