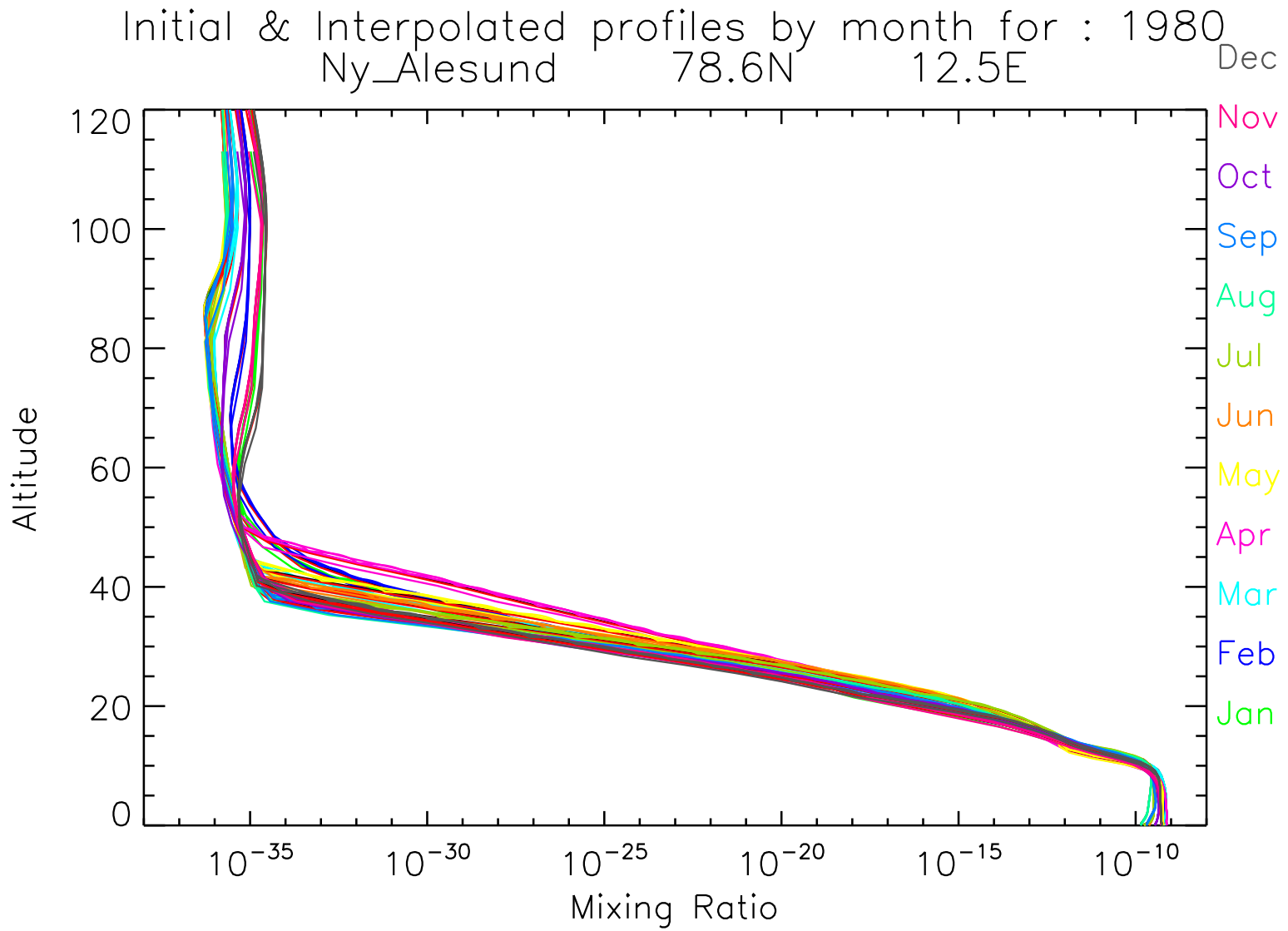
Initial & Interpolated profiles by month for : 1980
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
120
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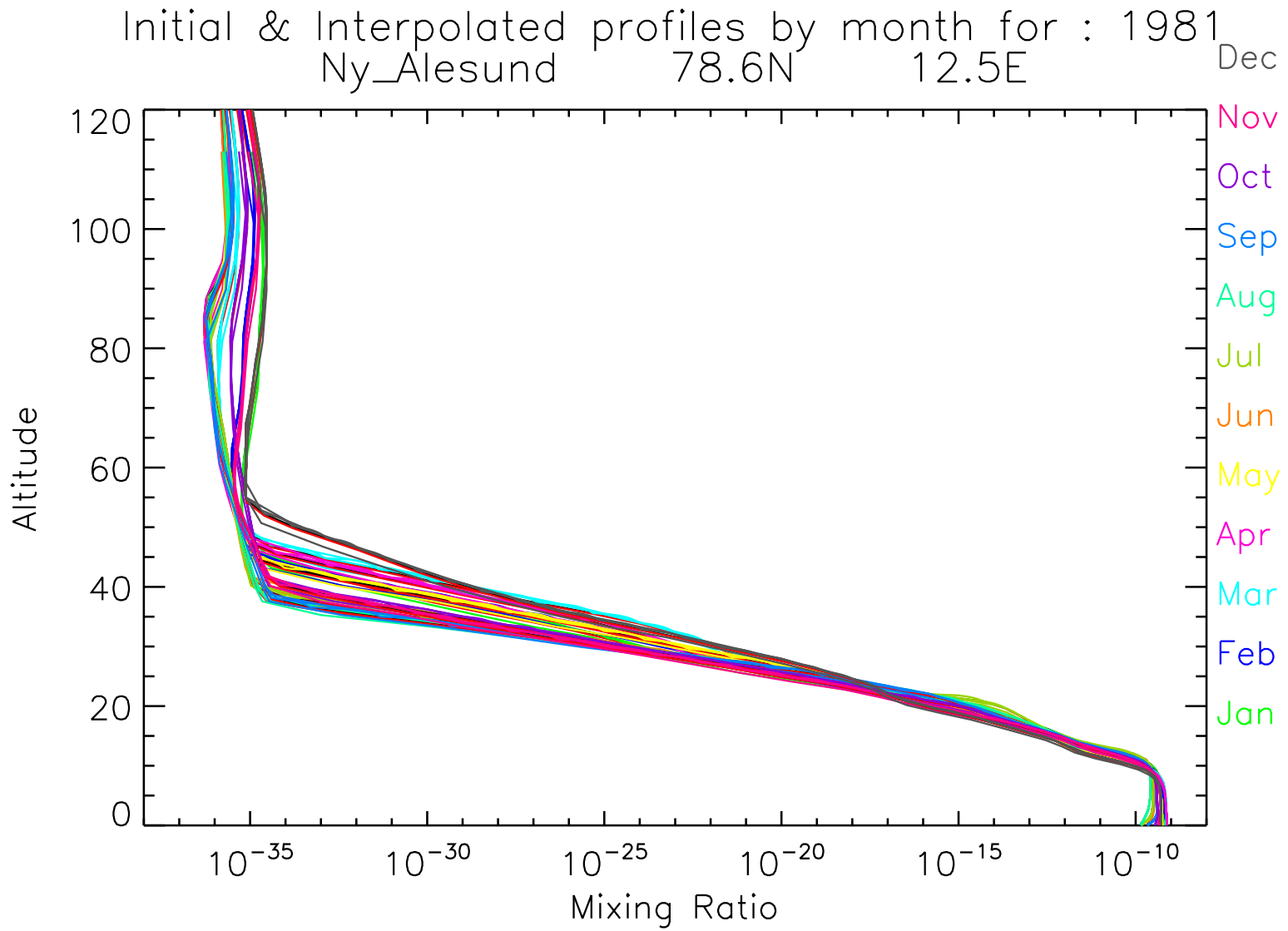
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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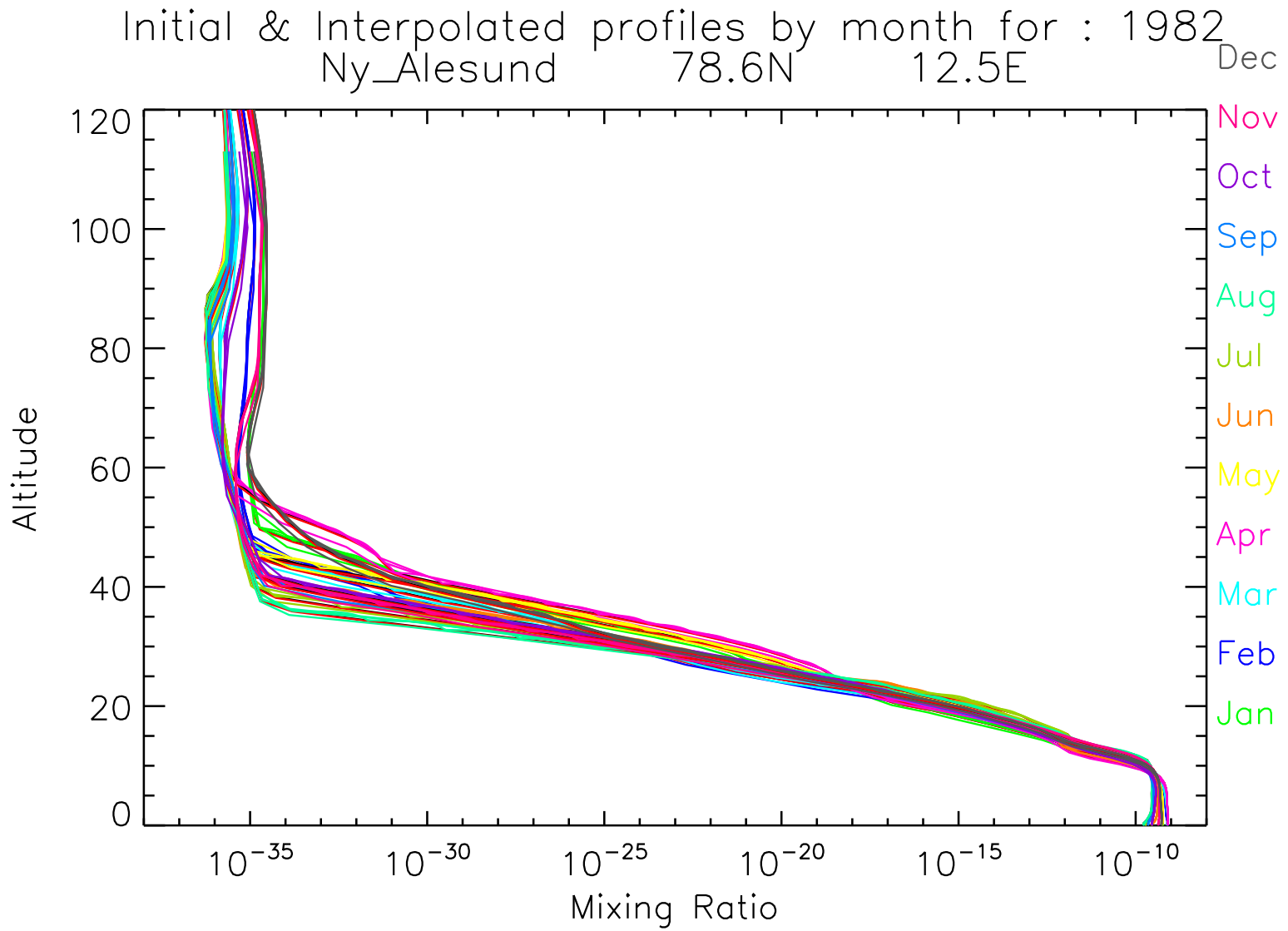
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Ny_Alesund 78.6N 12.5E
Dec
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Feb
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Altitude
120
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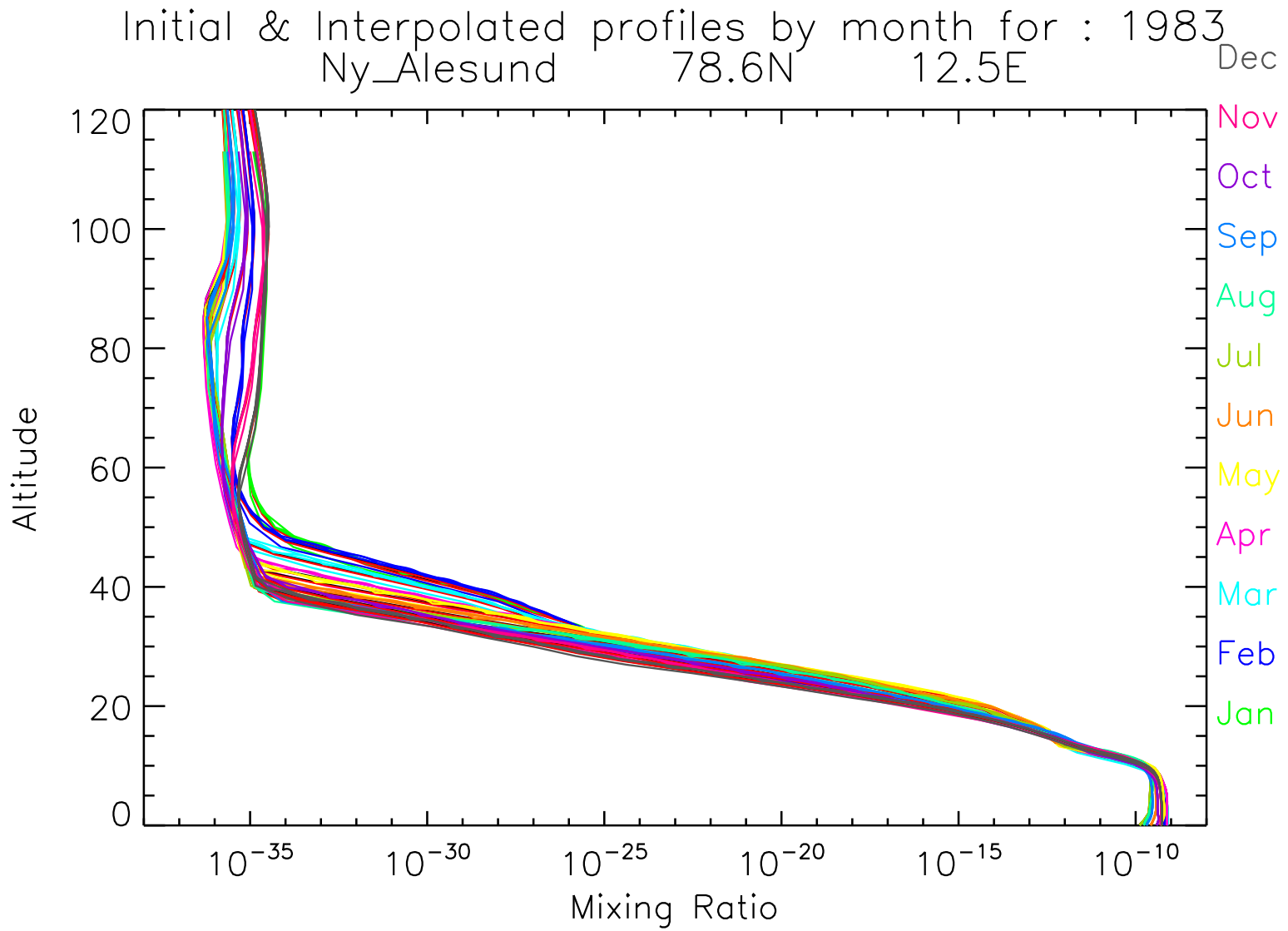
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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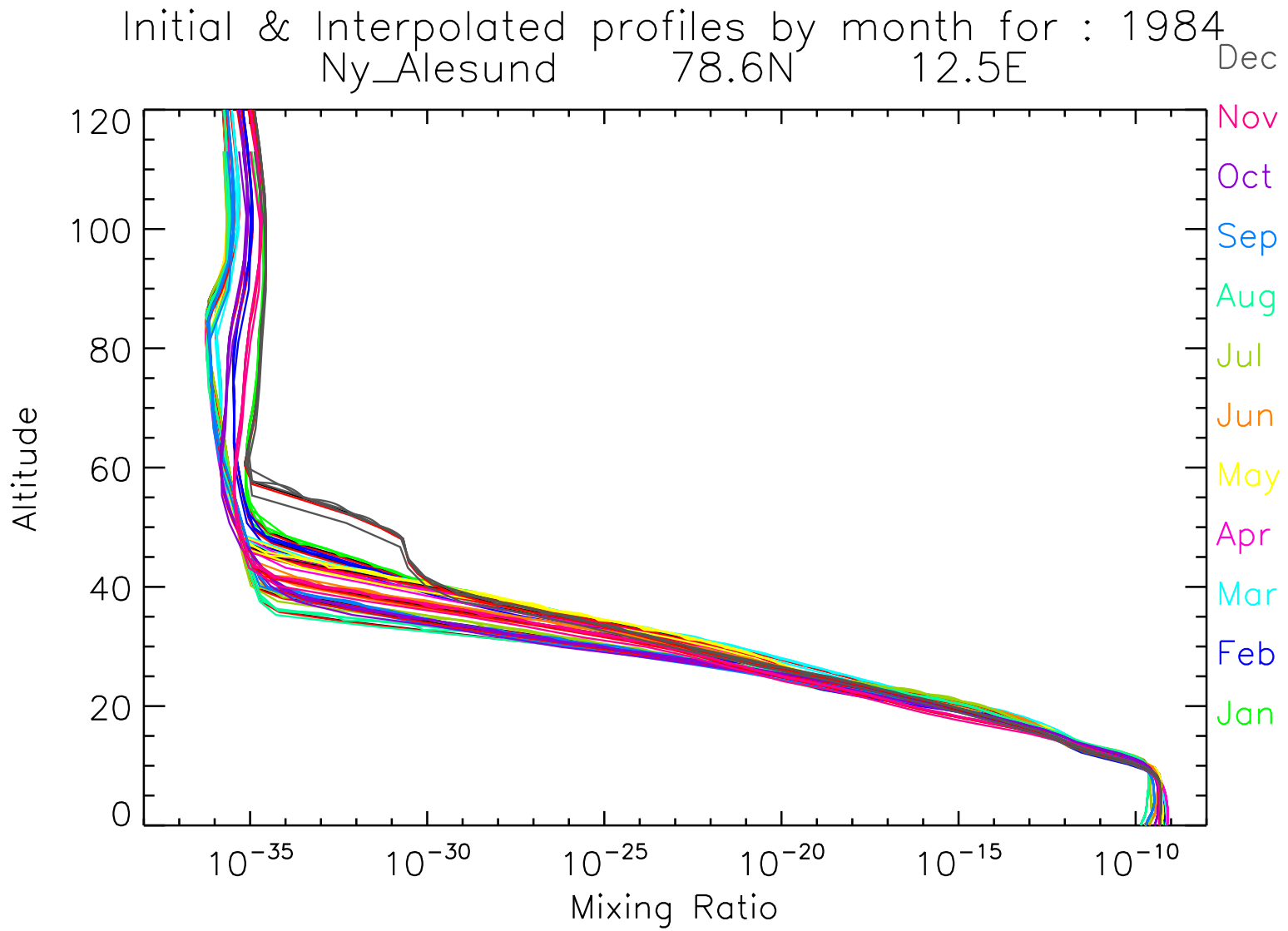
10^{-10}
Mixing Ratio


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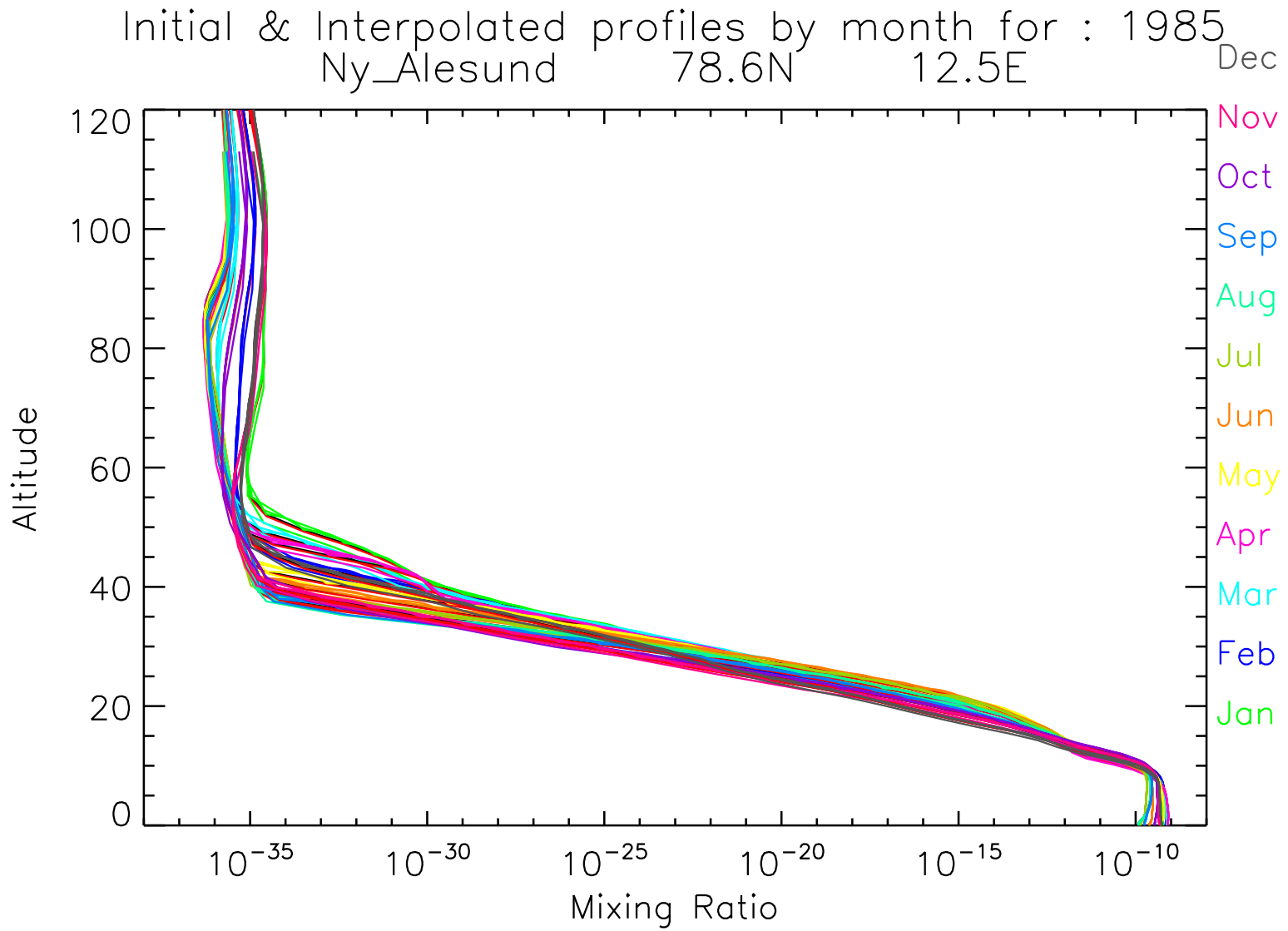
Mixing Ratio


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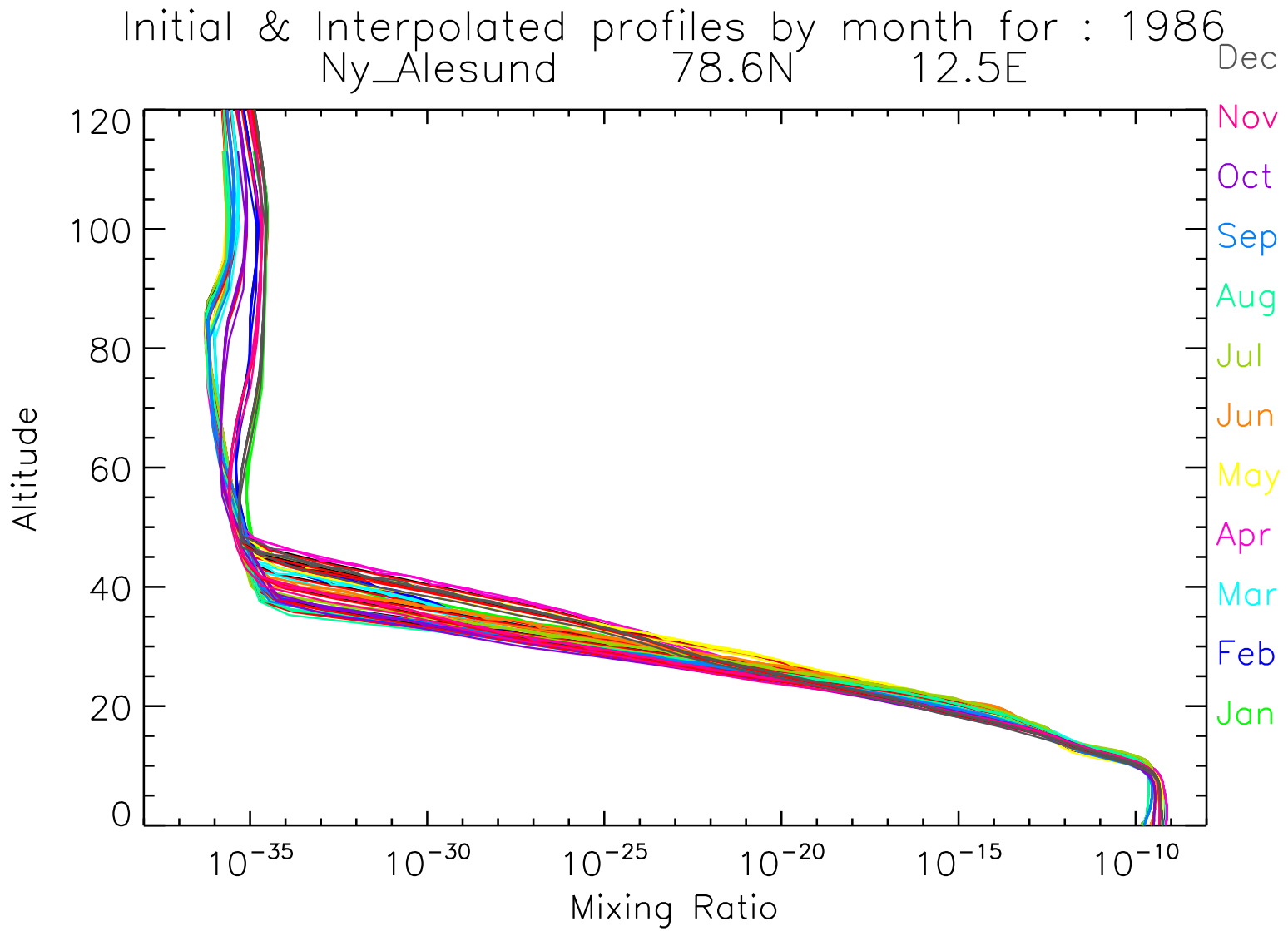
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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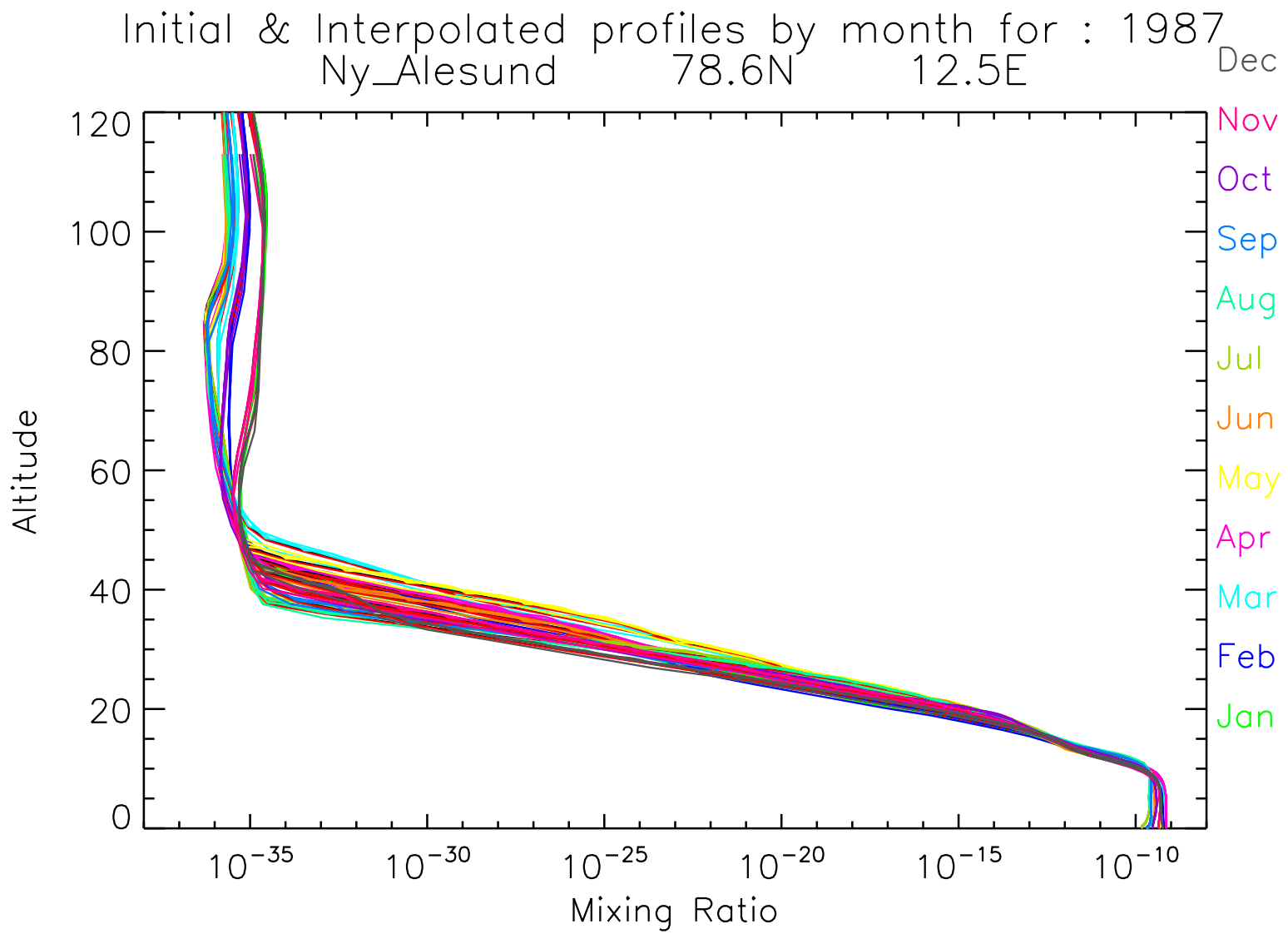
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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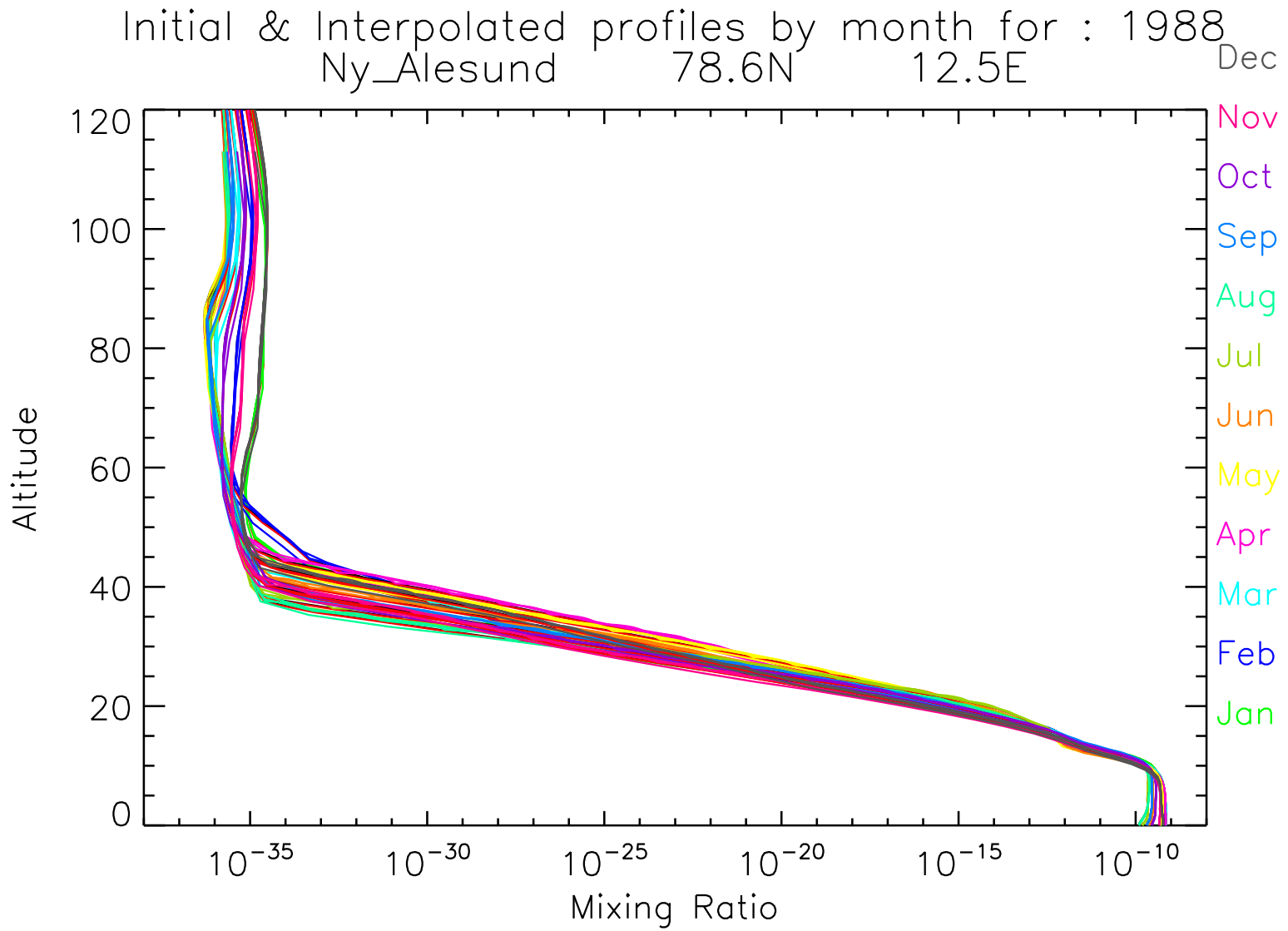
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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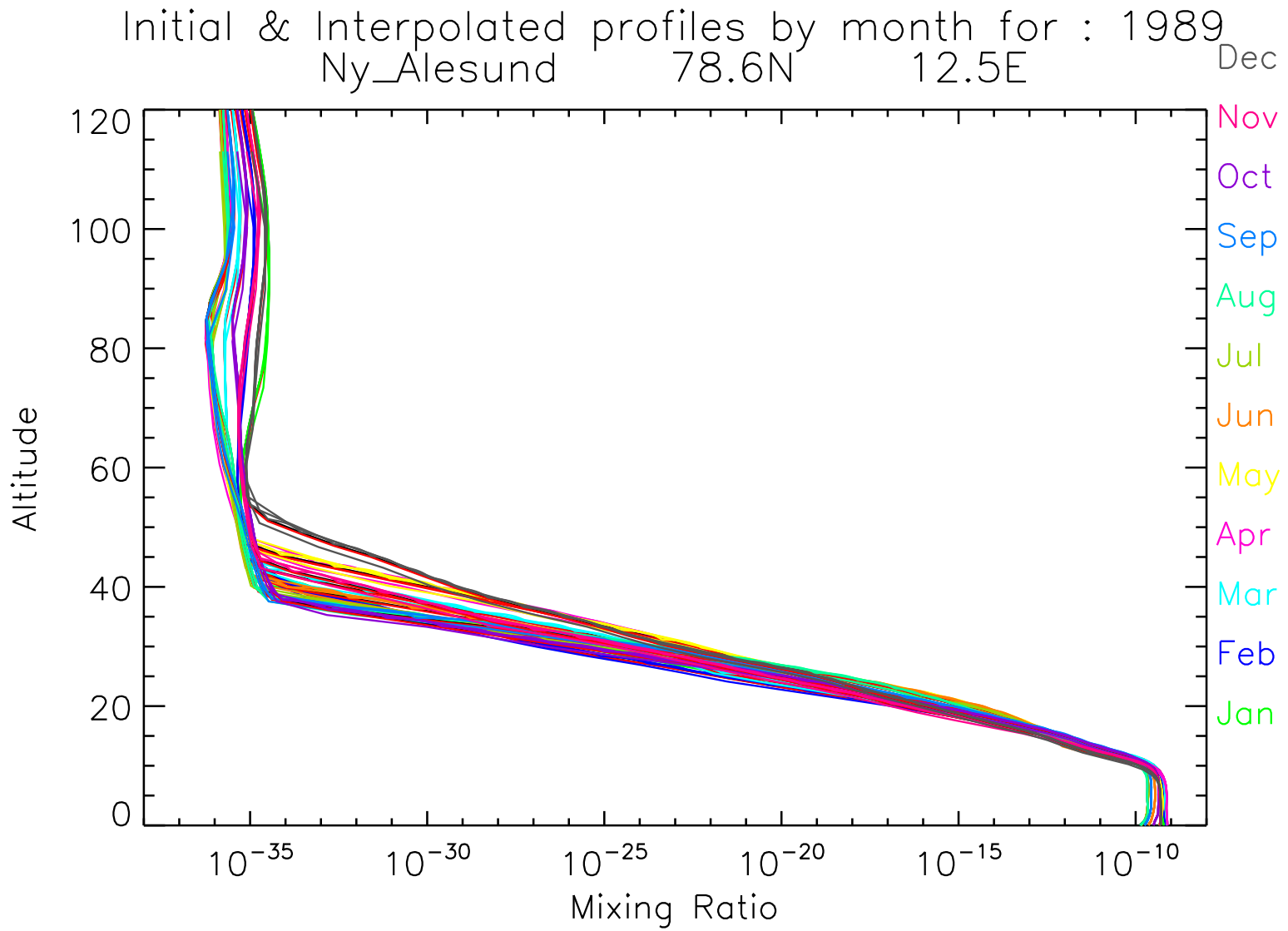
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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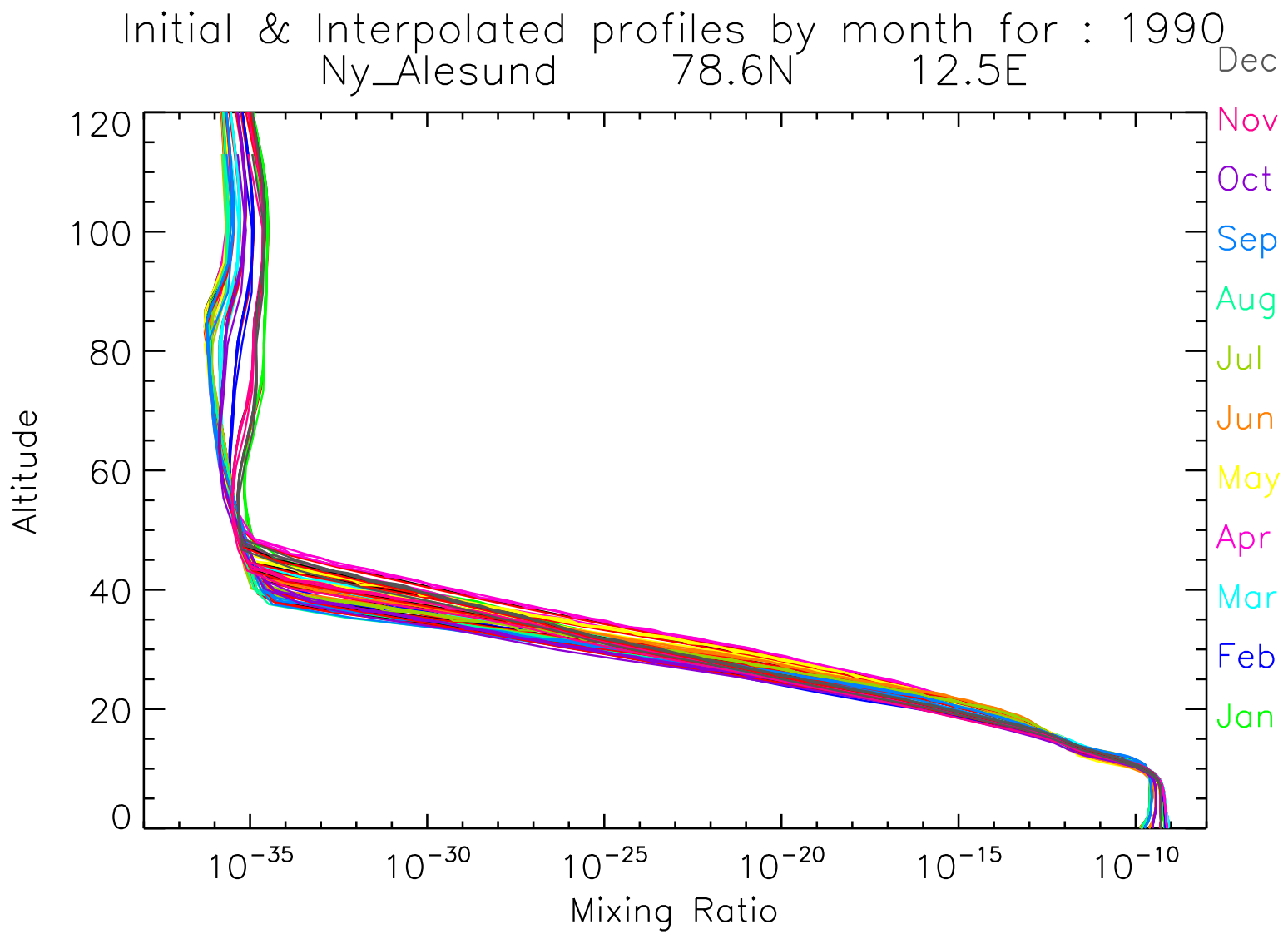
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Ny_Alesund 78.6N 12.5E
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Altitude
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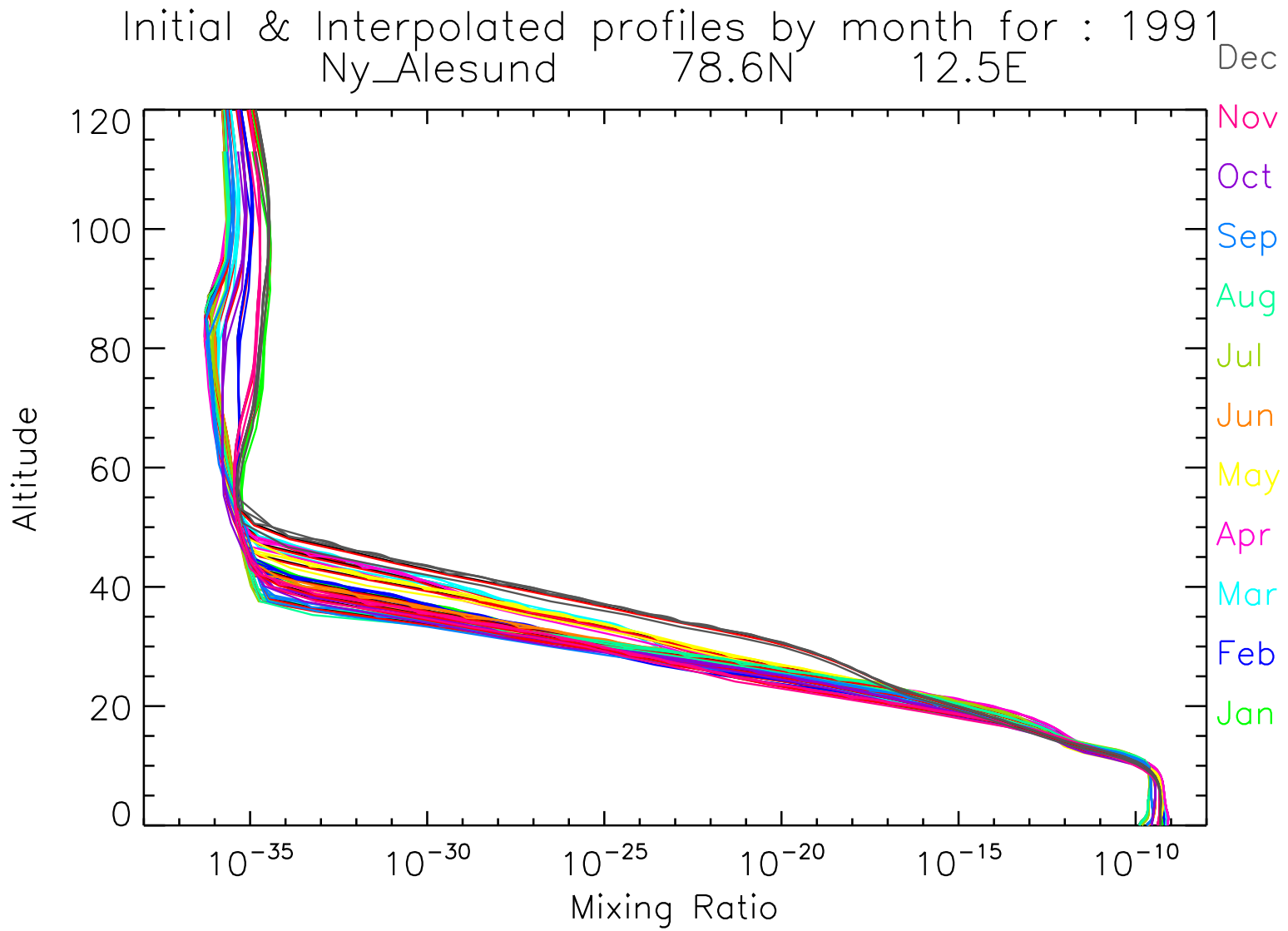
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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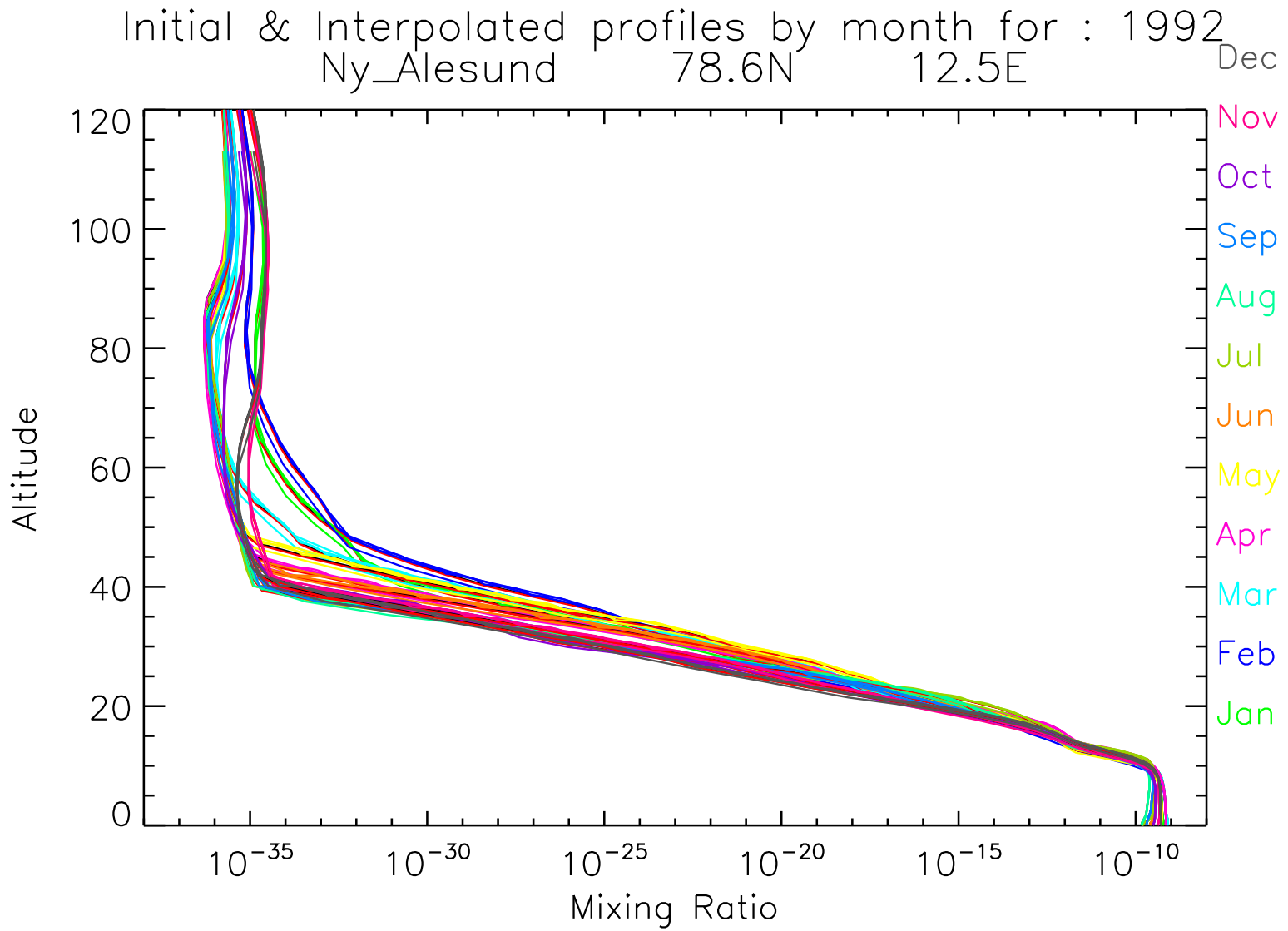
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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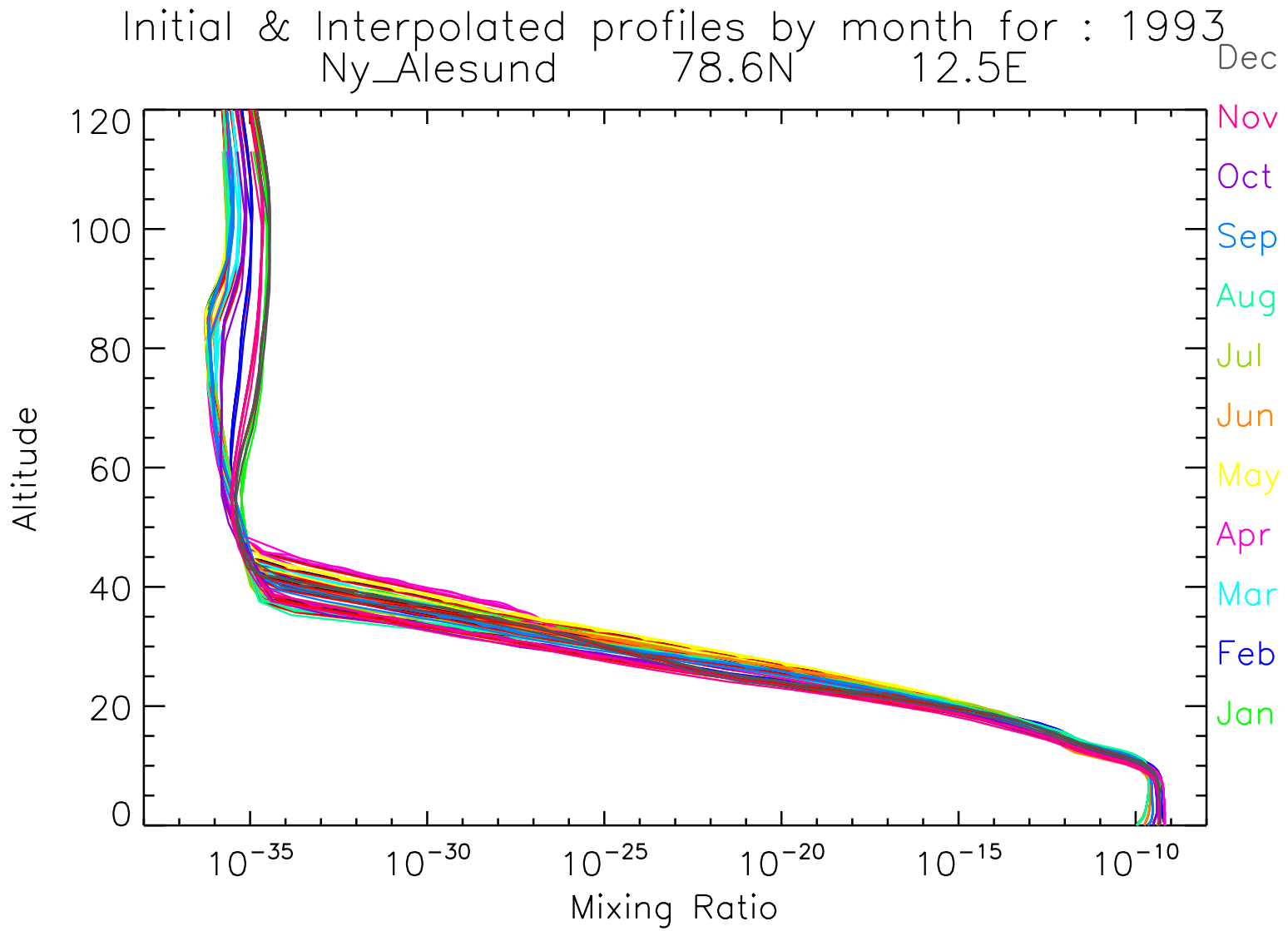
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Ny_Alesund 78.6N 12.5E
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Altitude
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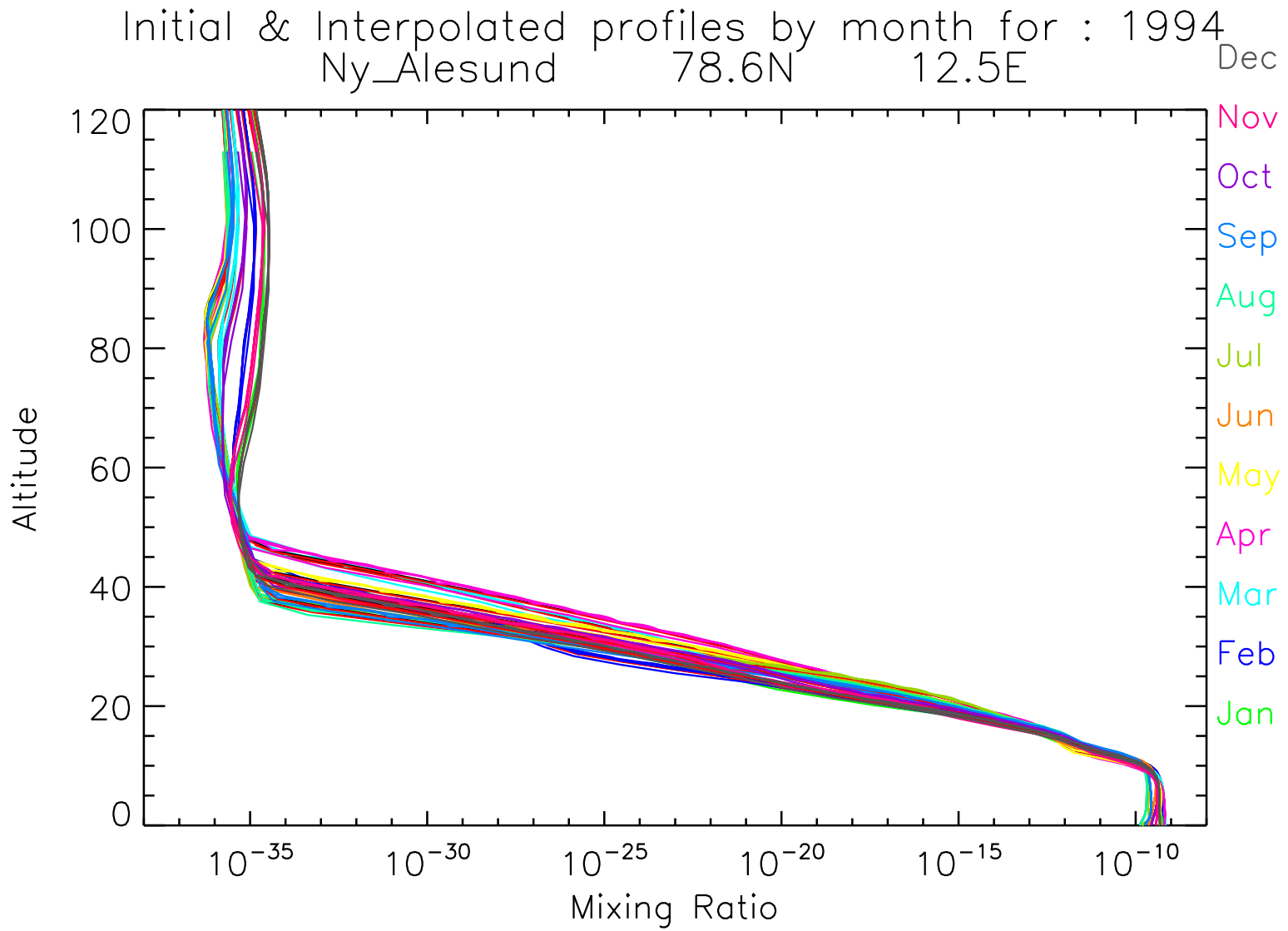
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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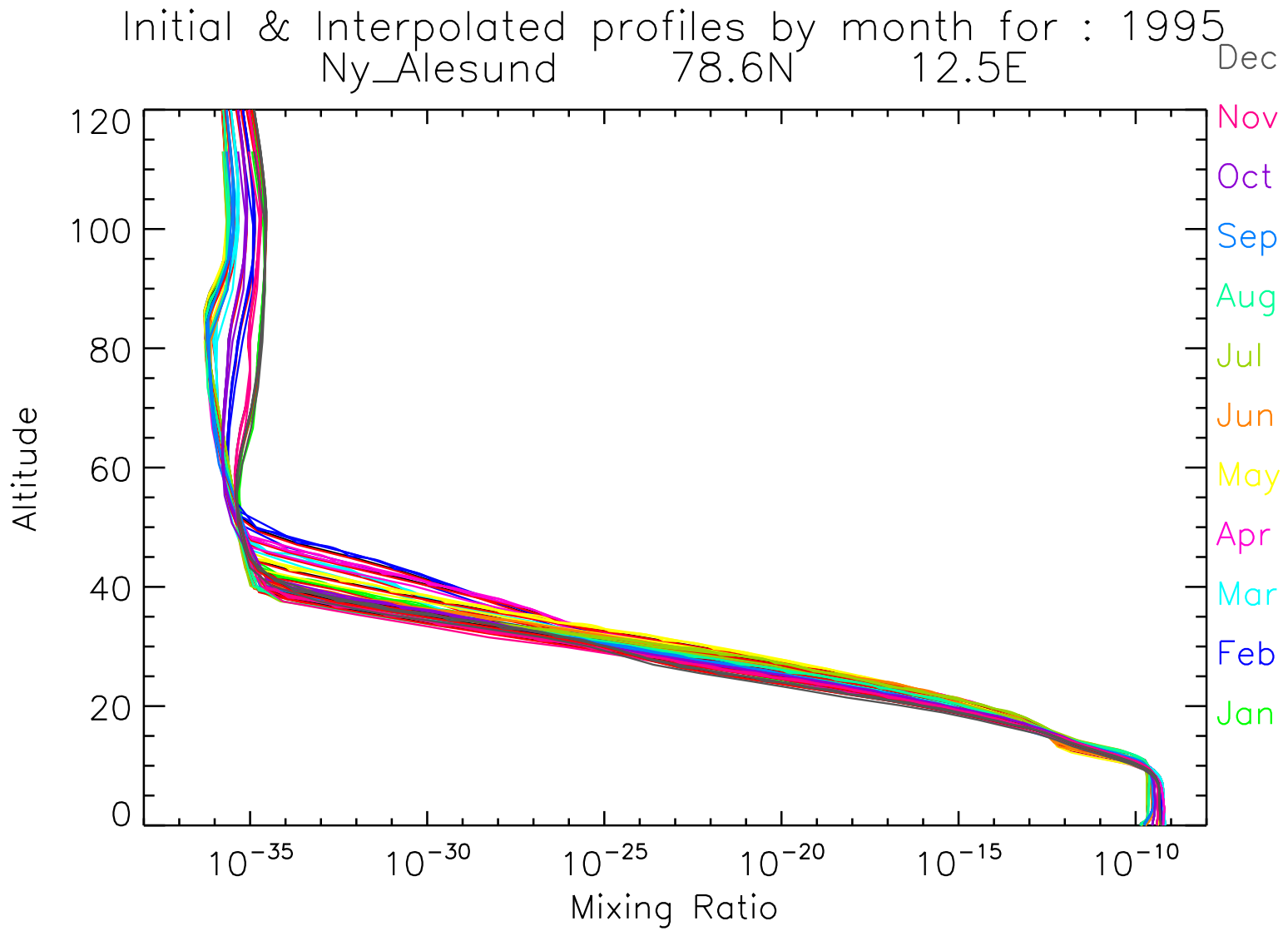
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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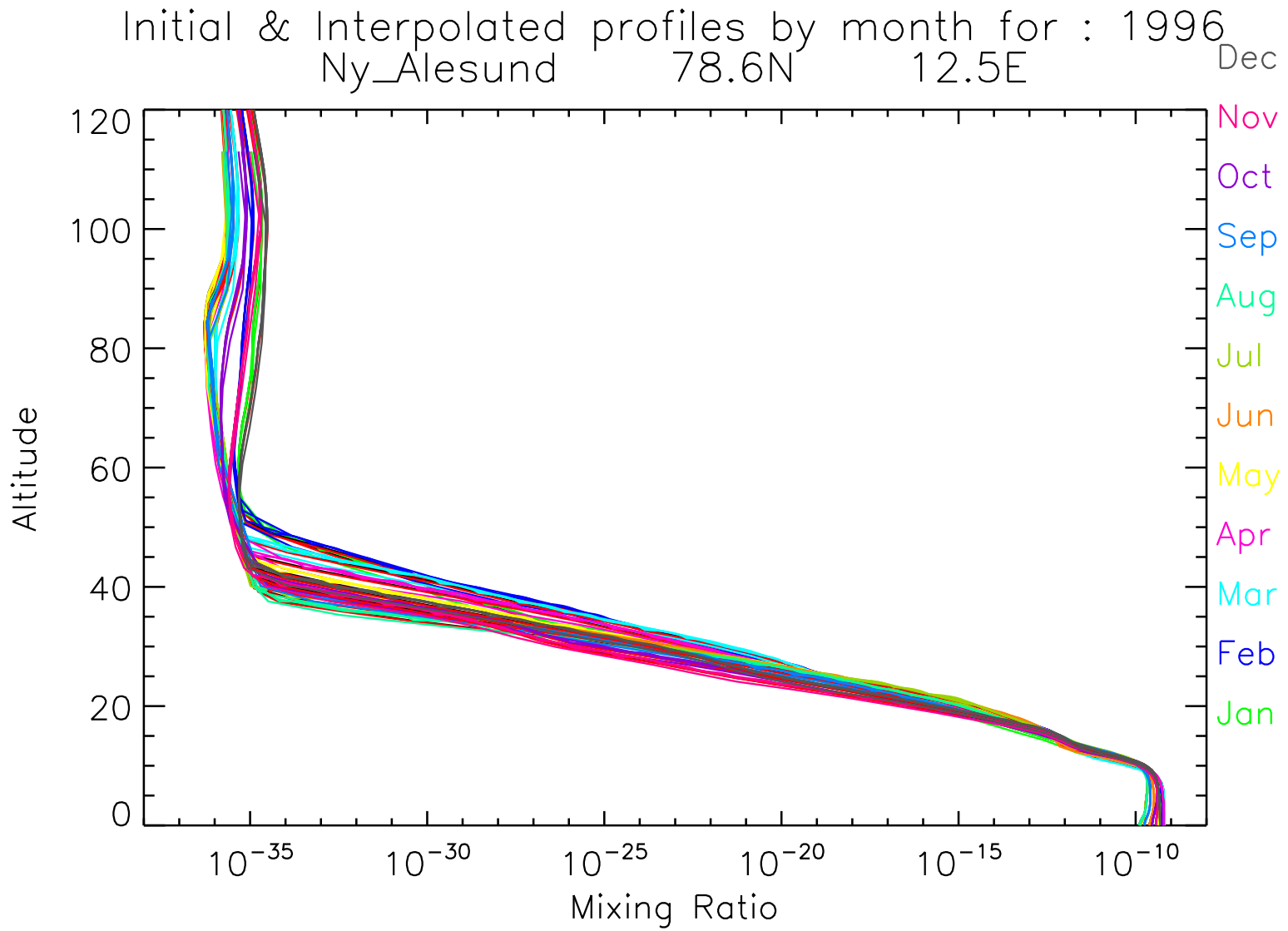
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Ny_Alesund 78.6N 12.5E
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Altitude
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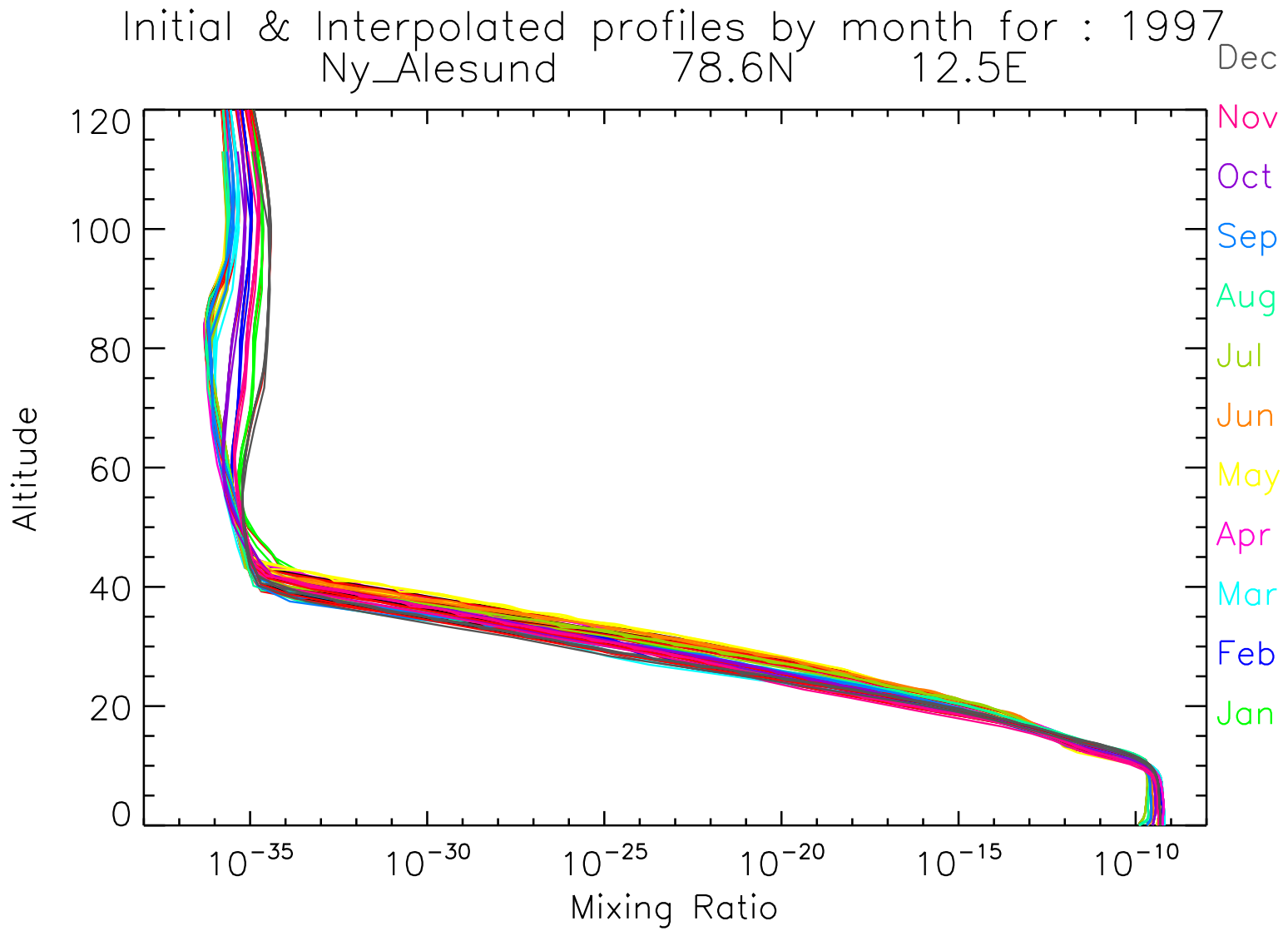
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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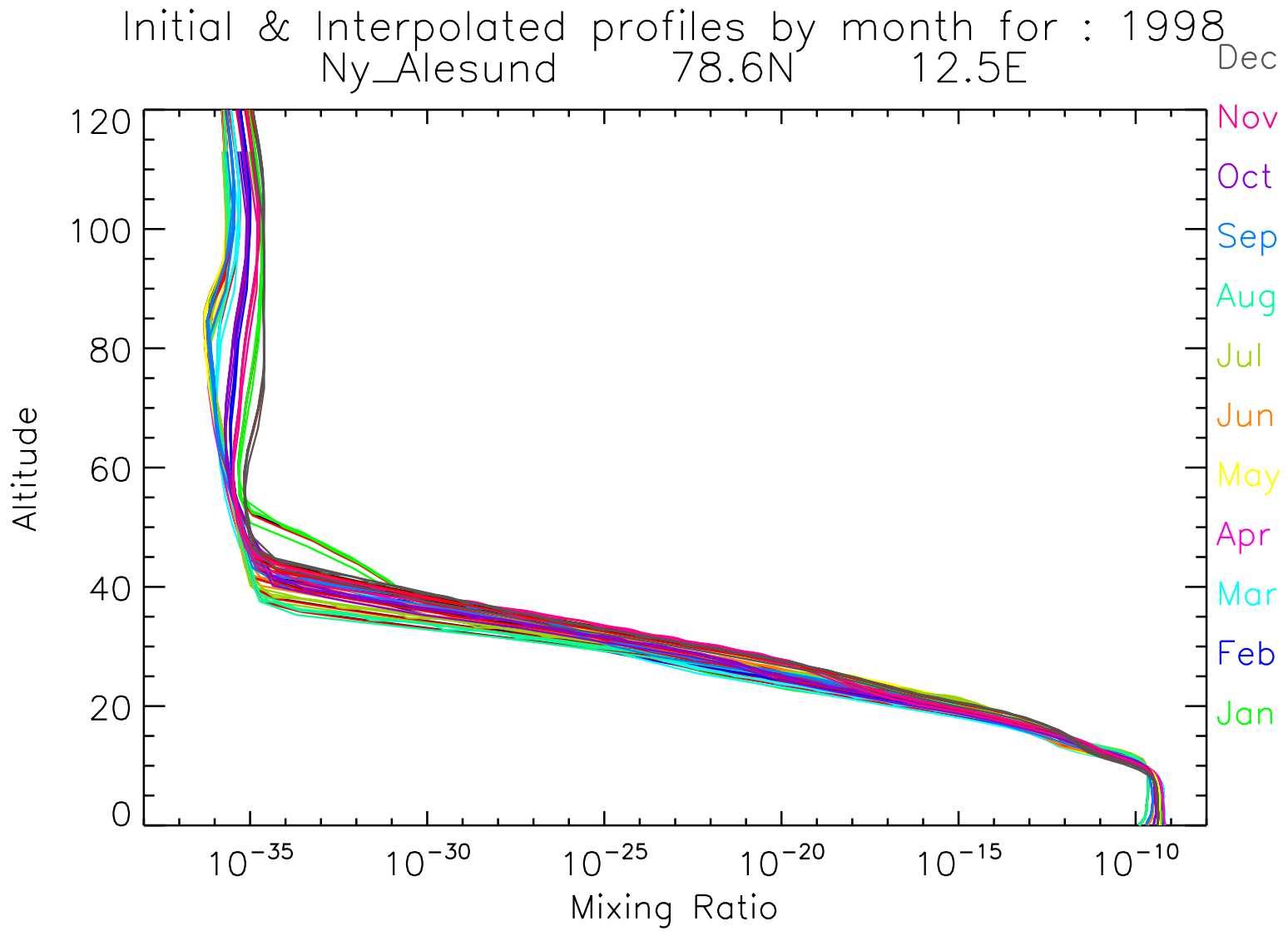
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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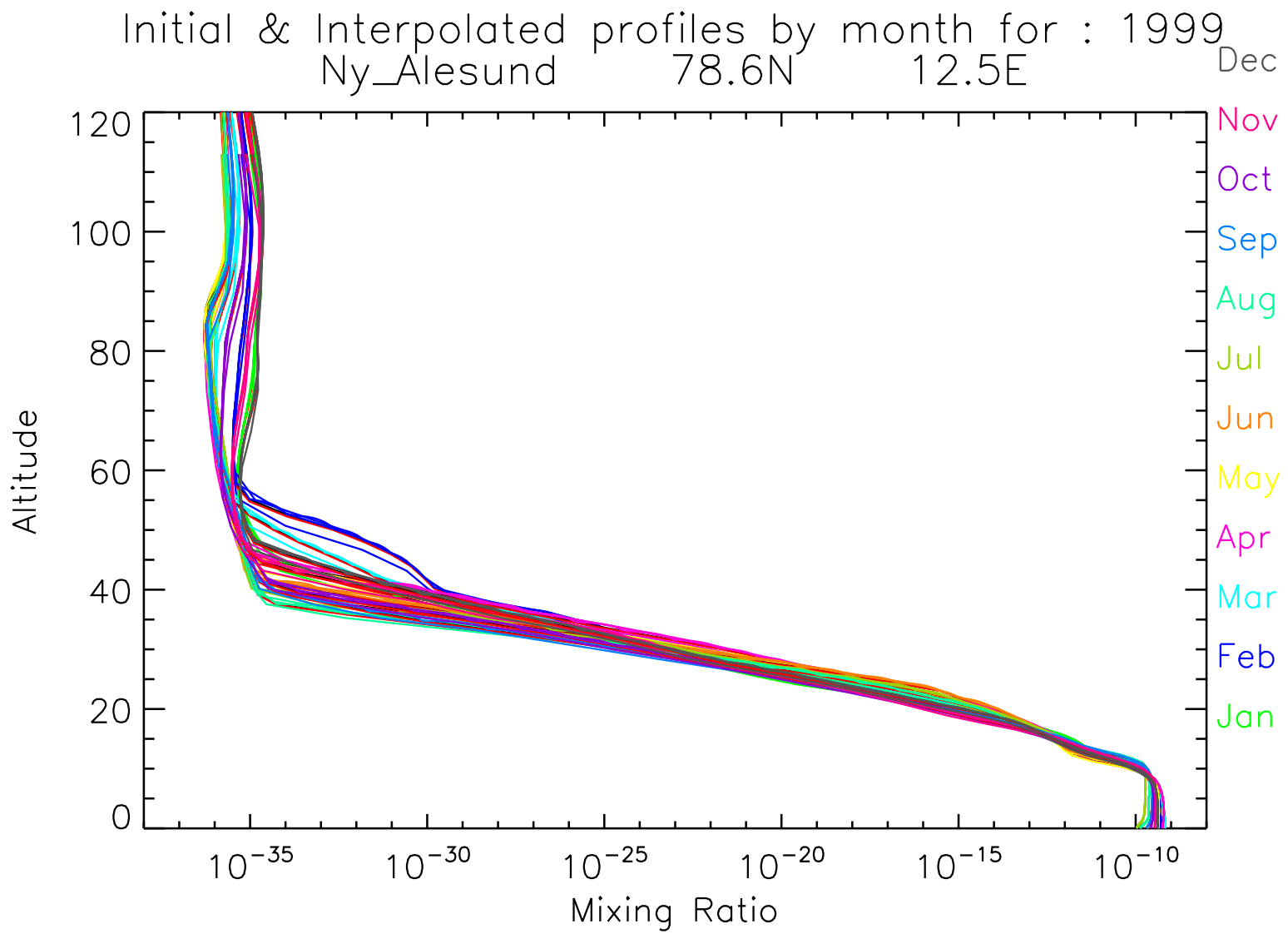
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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10^{-35}
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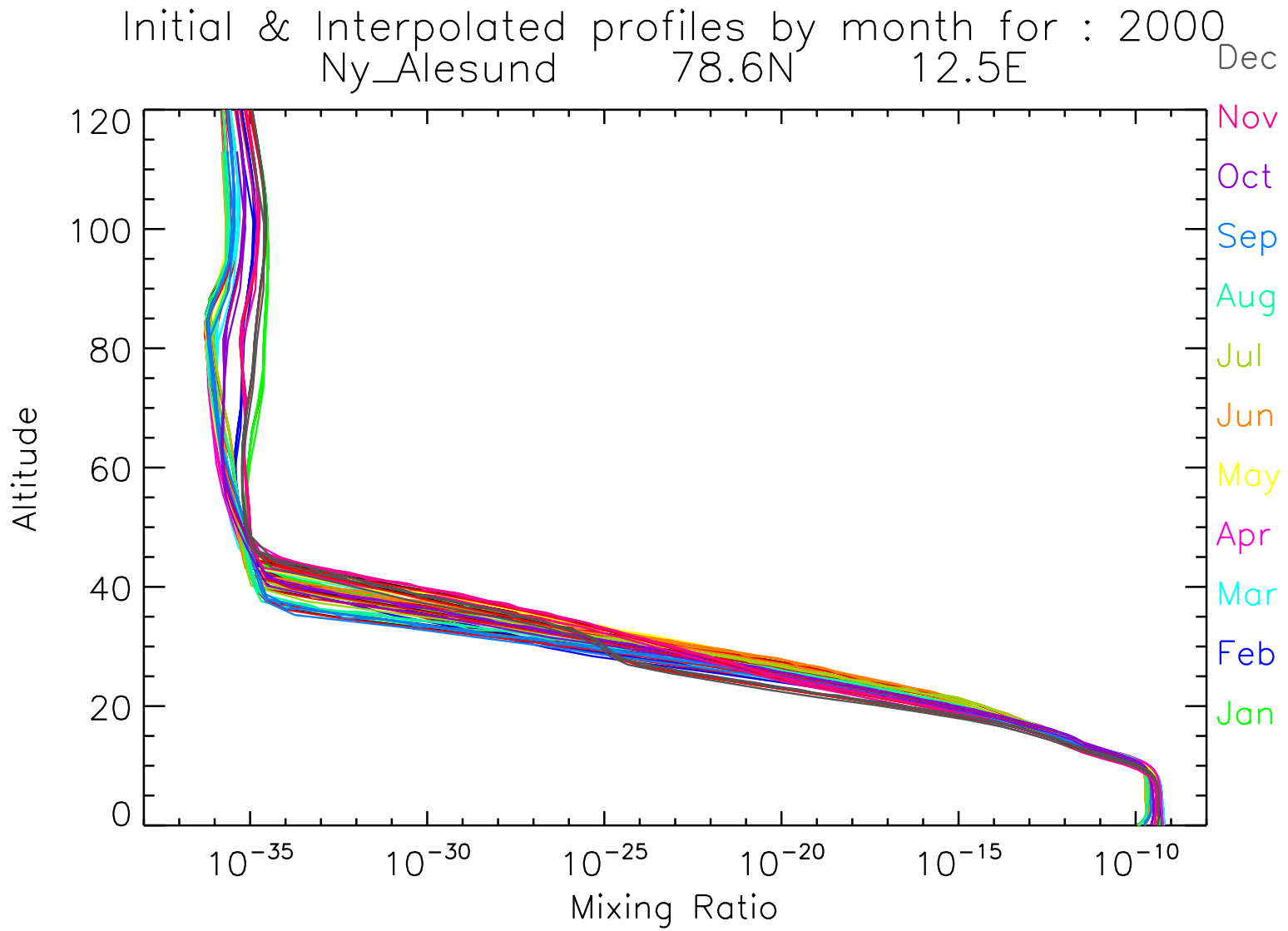
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Ny_Alesund 78.6N 12.5E
Dec
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Altitude
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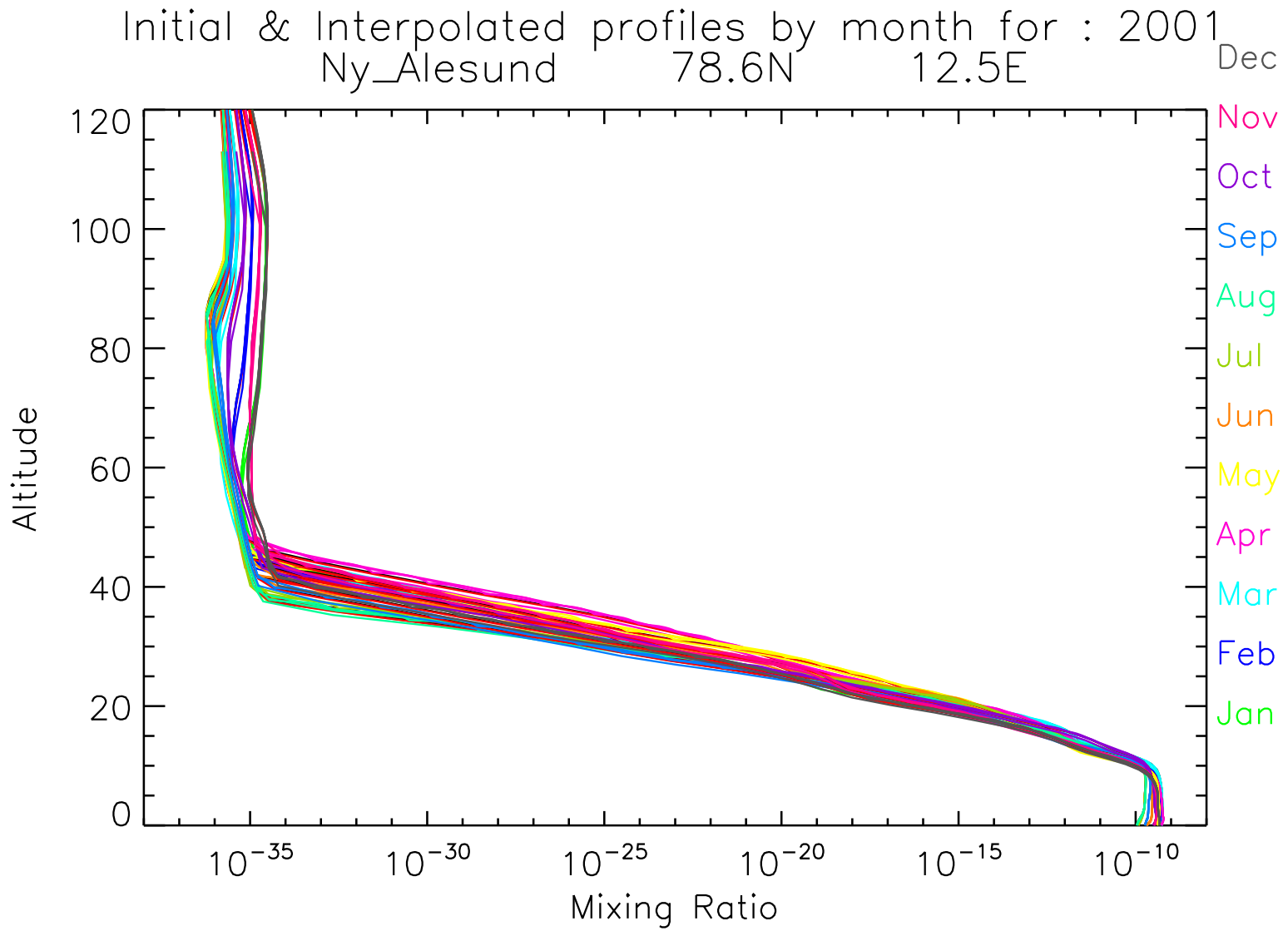
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Ny_Alesund 78.6N 12.5E
Dec
Nov
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Altitude
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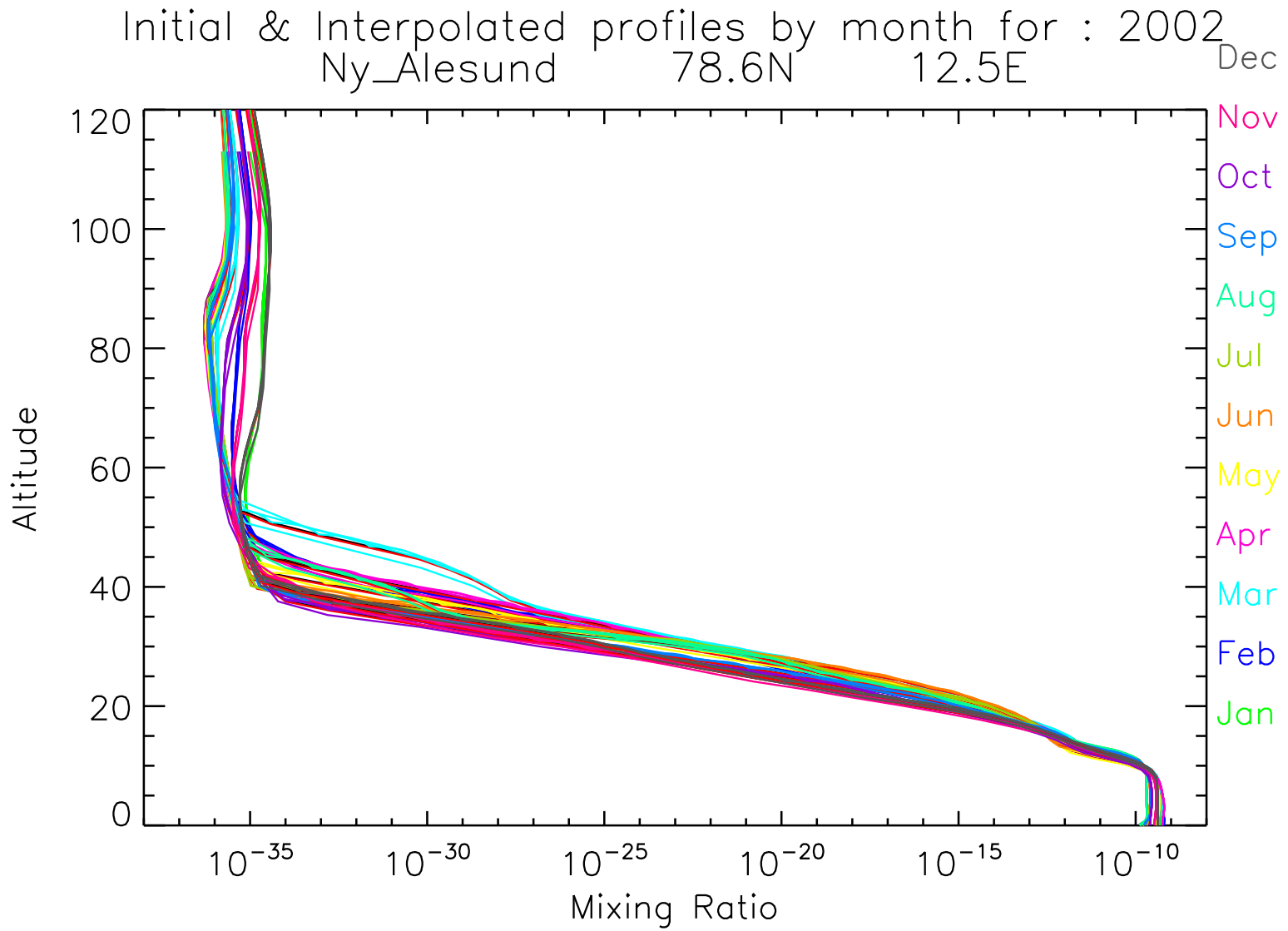
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Ny_Alesund 78.6N 12.5E
Dec
Nov
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May
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Feb
Jan
Altitude
120
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10^{-35}
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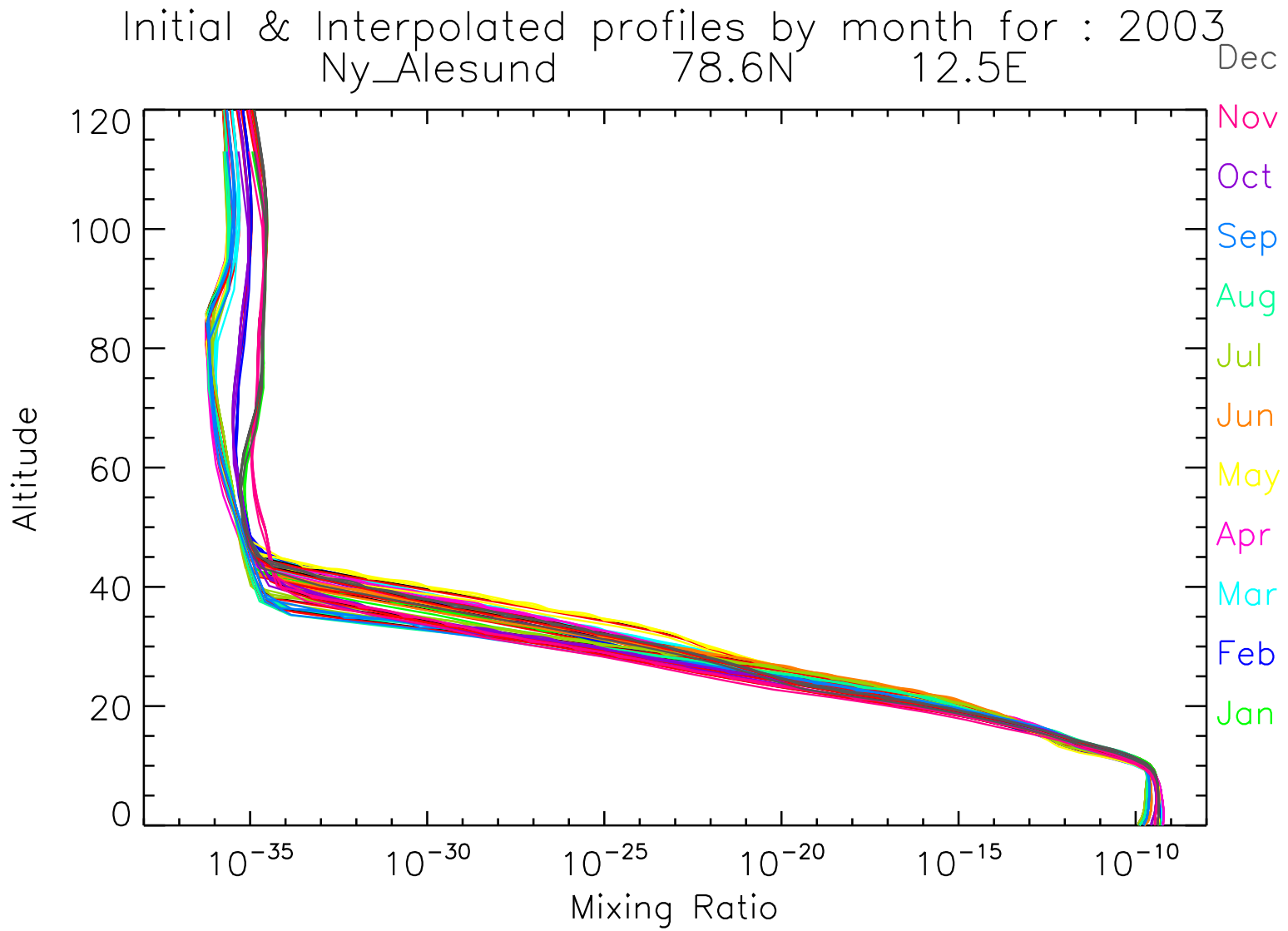
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Ny_Alesund 78.6N 12.5E
Dec
Nov
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May
Apr
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Feb
Jan
Altitude
120
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10^{-35}
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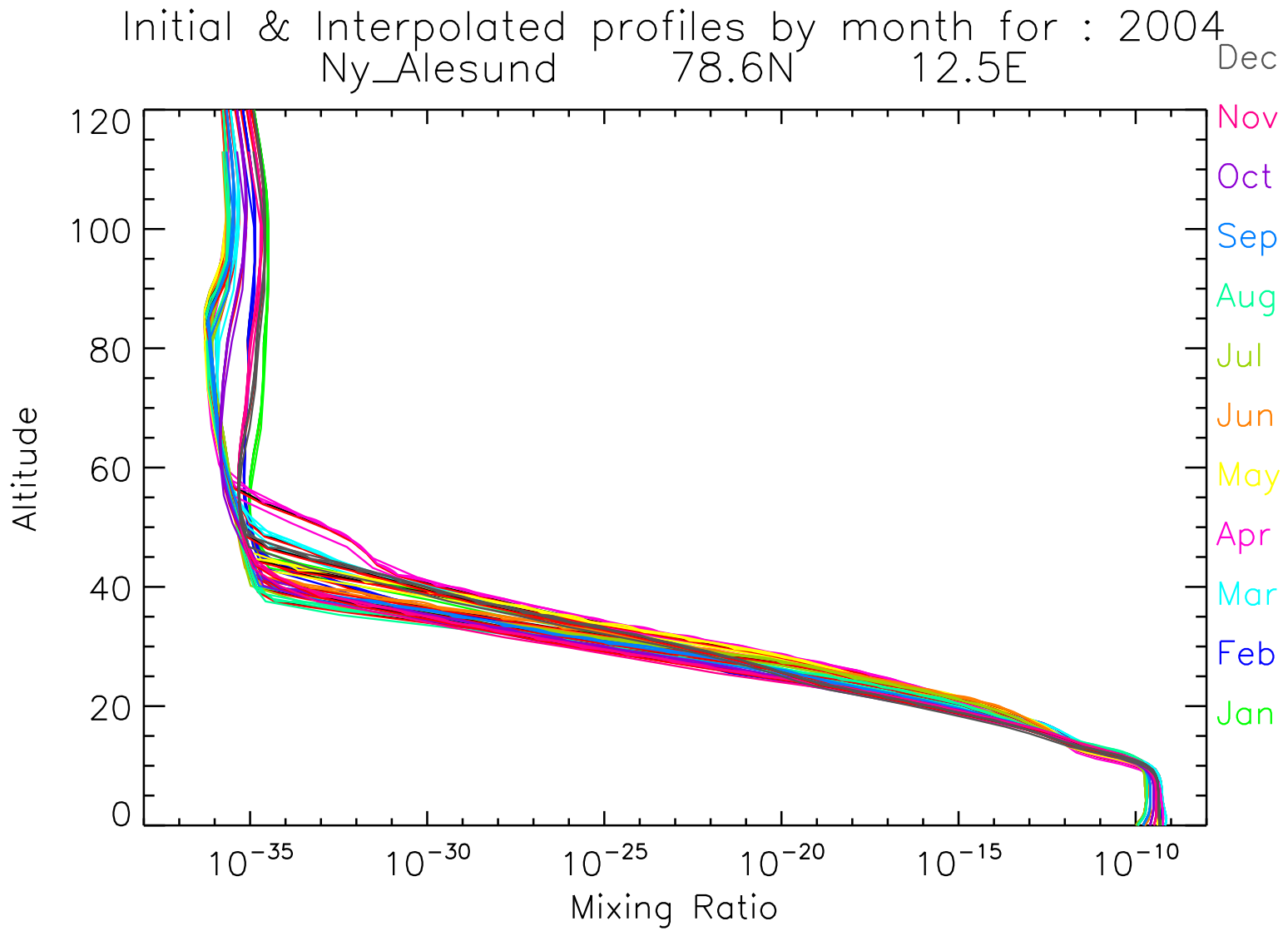
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Ny_Alesund 78.6N 12.5E
Dec
Nov
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May
Apr
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Feb
Jan
Altitude
120
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10^{-35}
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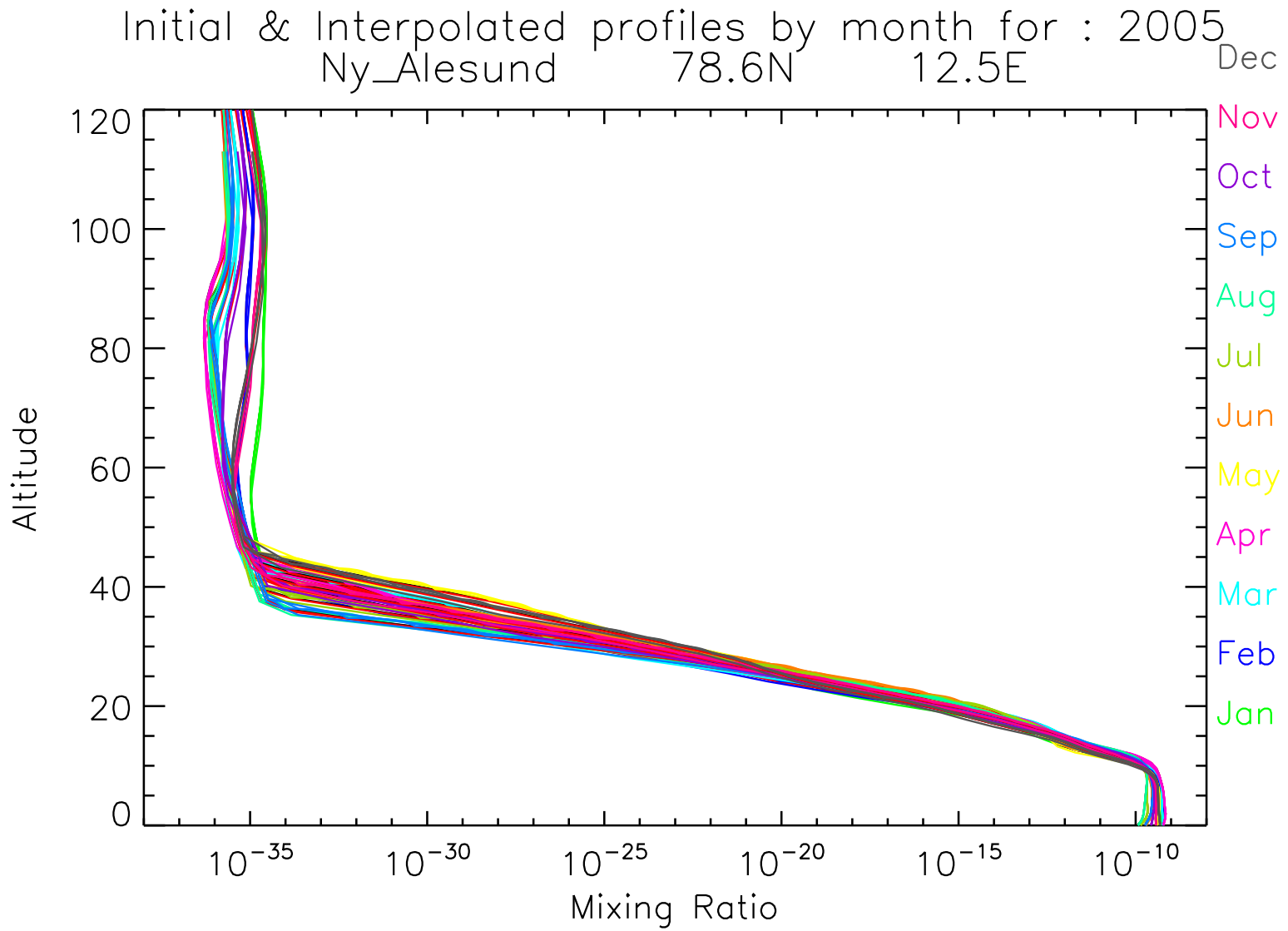
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Ny_Alesund 78.6N 12.5E
Dec
Nov
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Jan
Altitude
120
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10^{-35}
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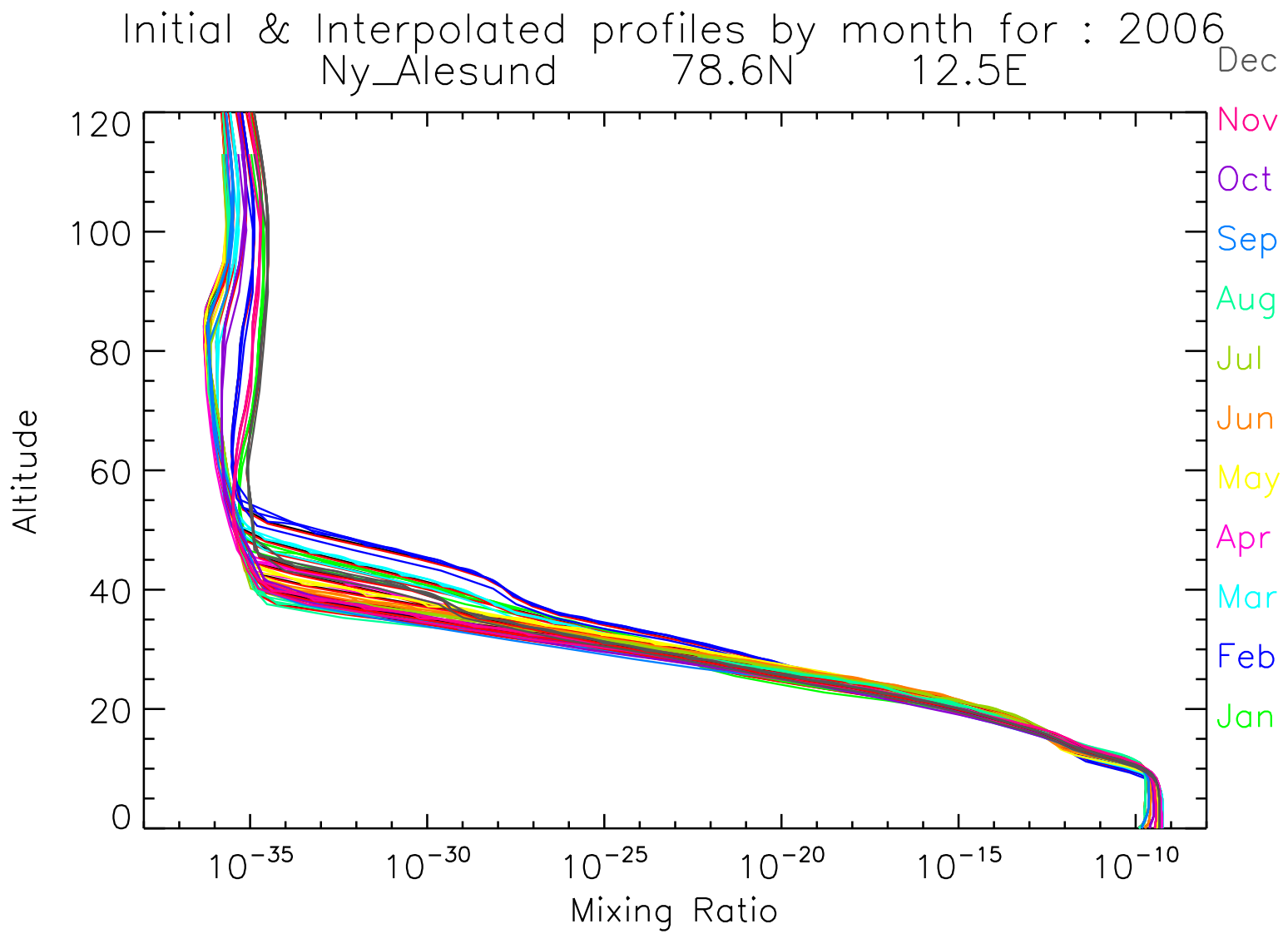
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Ny_Alesund 78.6N 12.5E
Dec
Nov
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May
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Feb
Jan
Altitude
120
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10^{-35}
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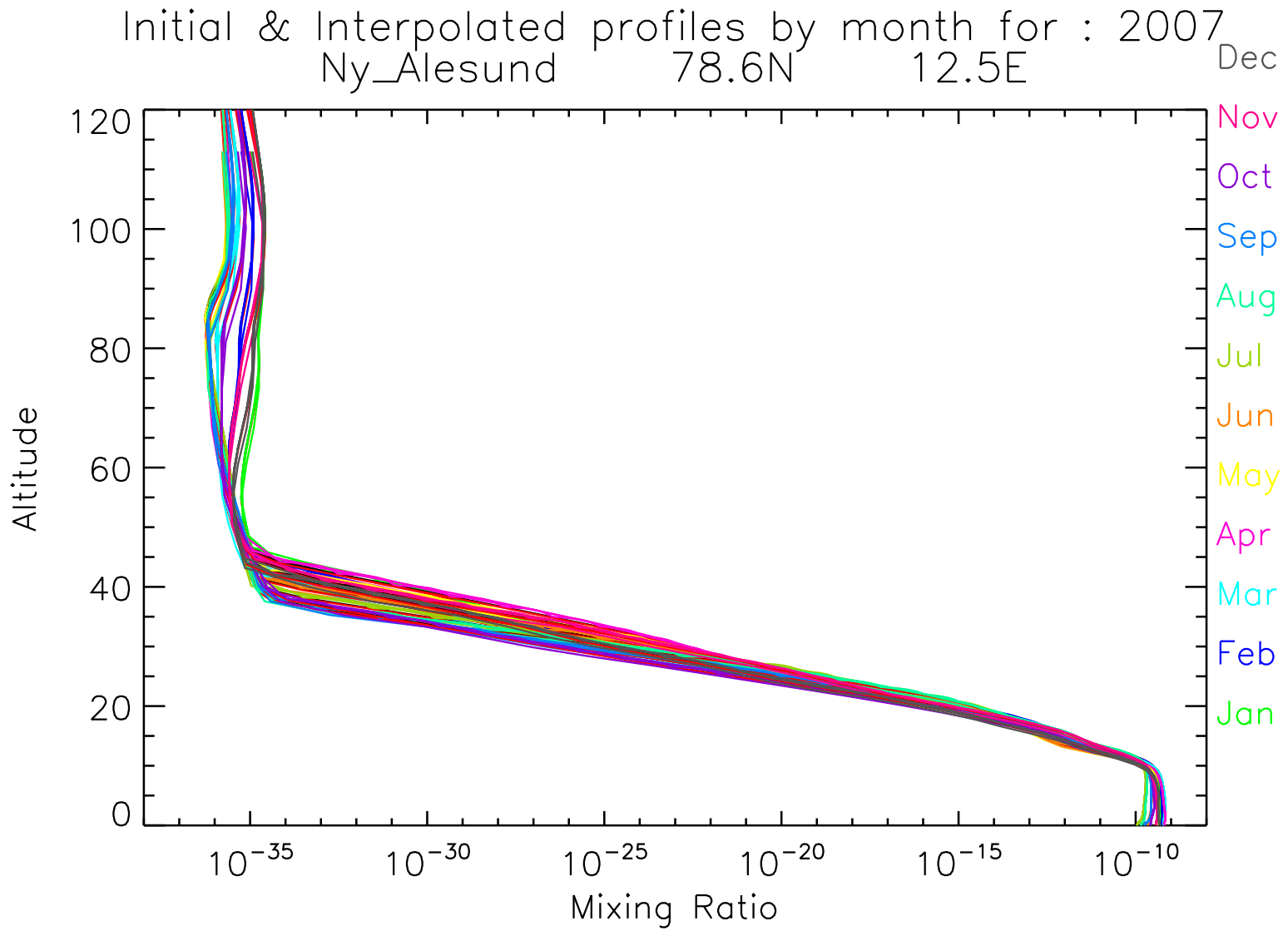
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Ny_Alesund 78.6N 12.5E
Dec
Nov
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May
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Feb
Jan
Altitude
120
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10^{-35}
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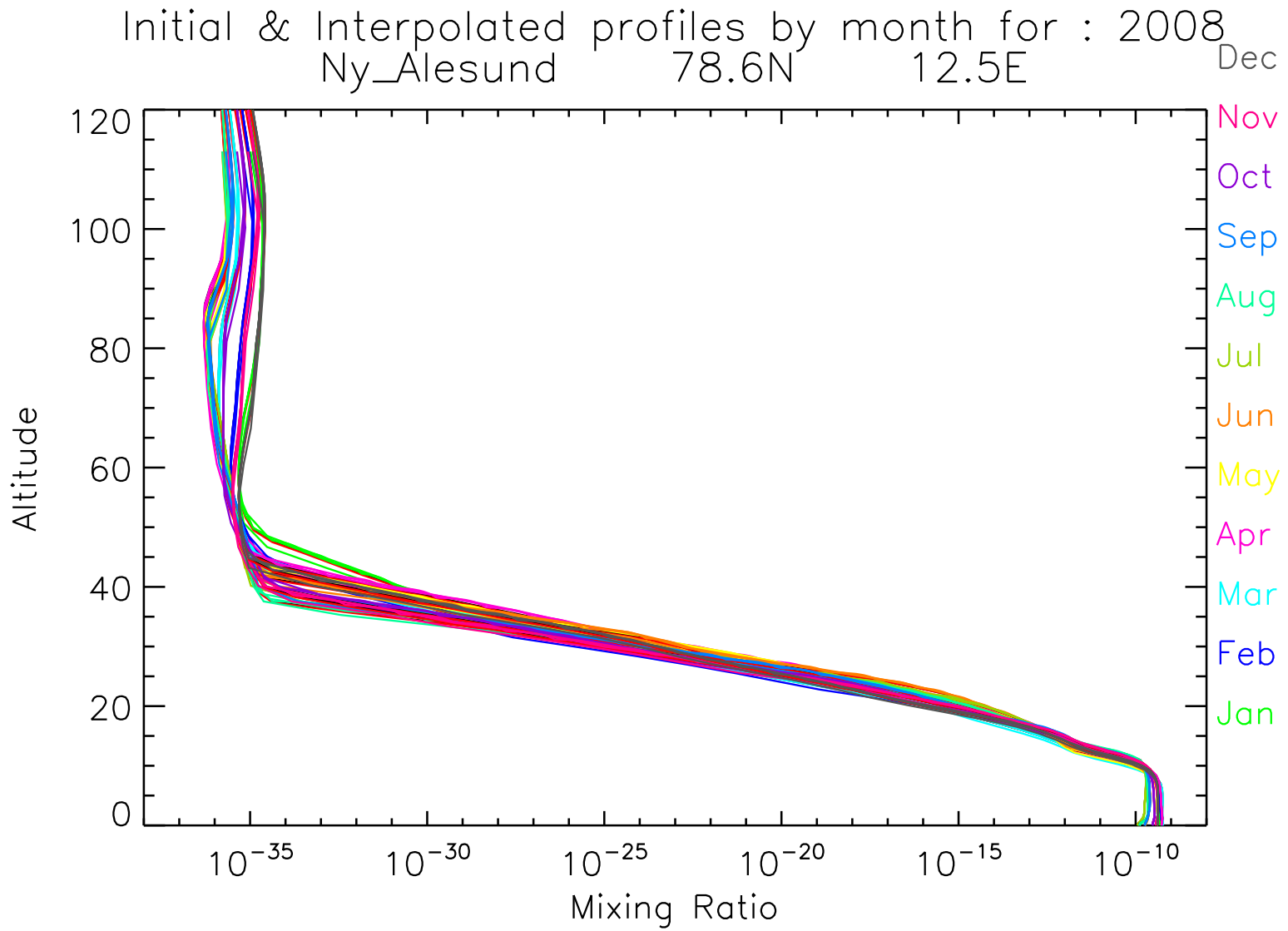
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Ny_Alesund 78.6N 12.5E
Dec
Nov
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Altitude
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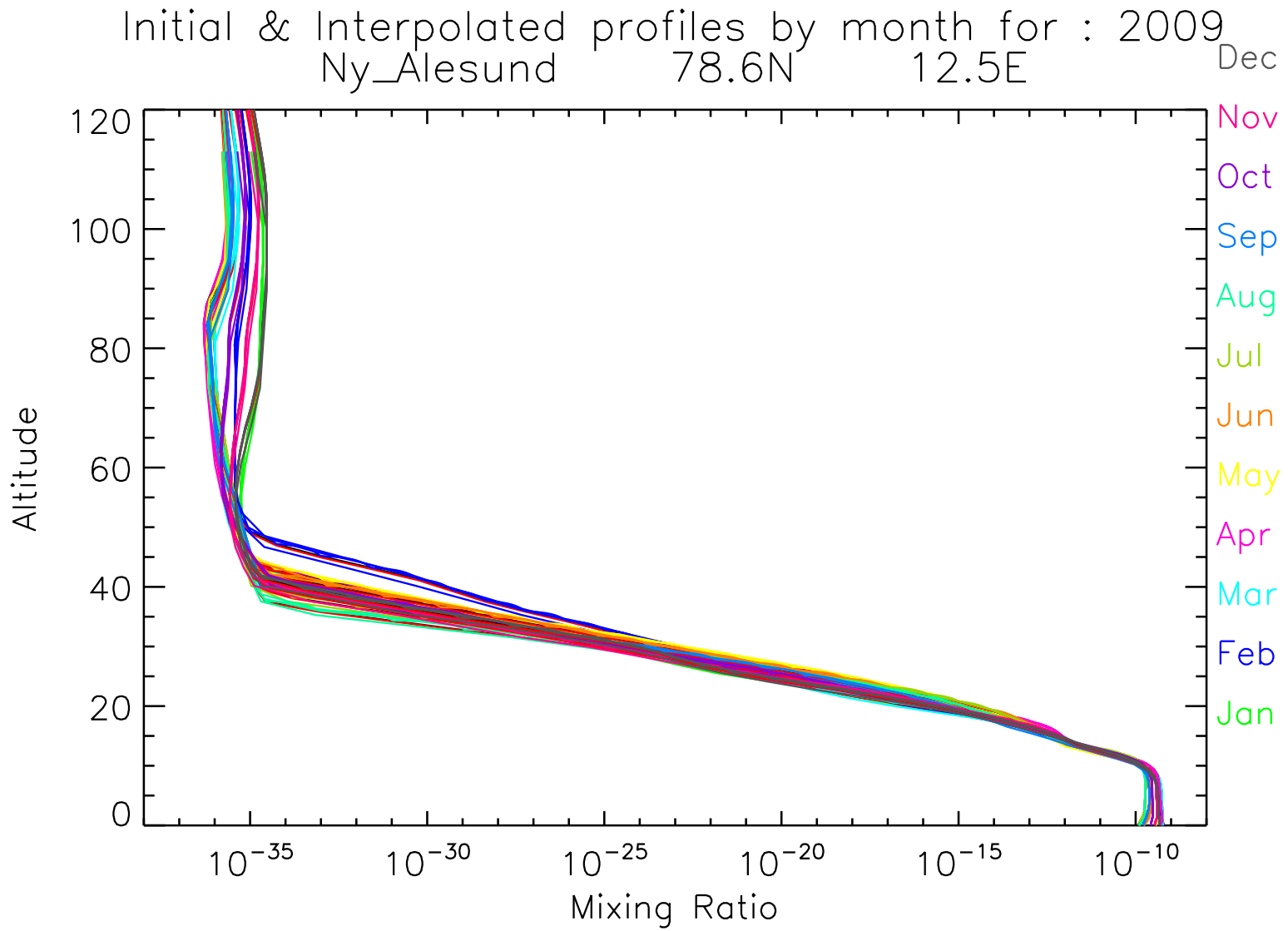
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Ny_Alesund 78.6N 12.5E
Dec
Nov
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Altitude
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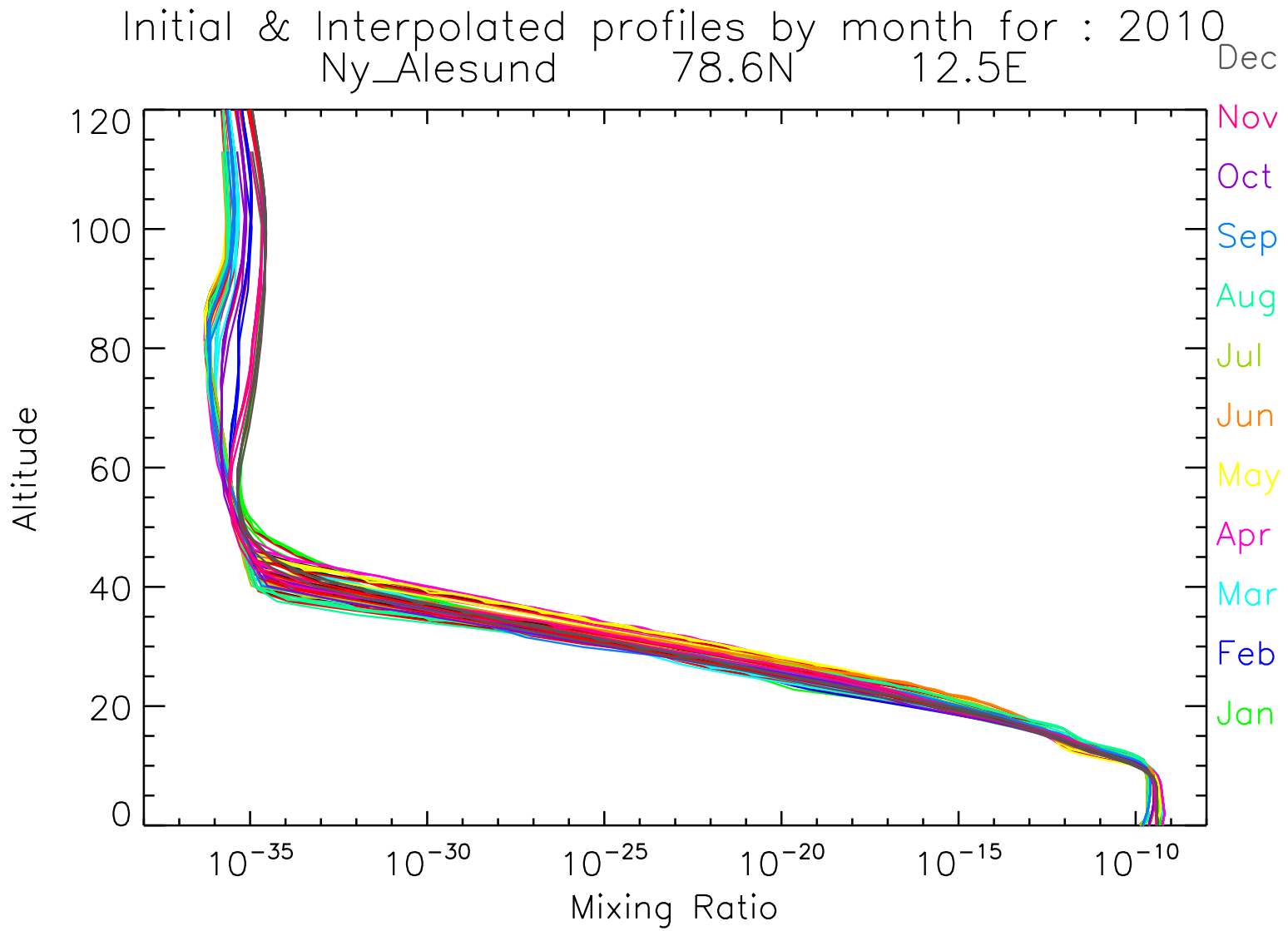
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Ny_Alesund 78.6N 12.5E
Dec
Nov
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Altitude
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10^{-35}
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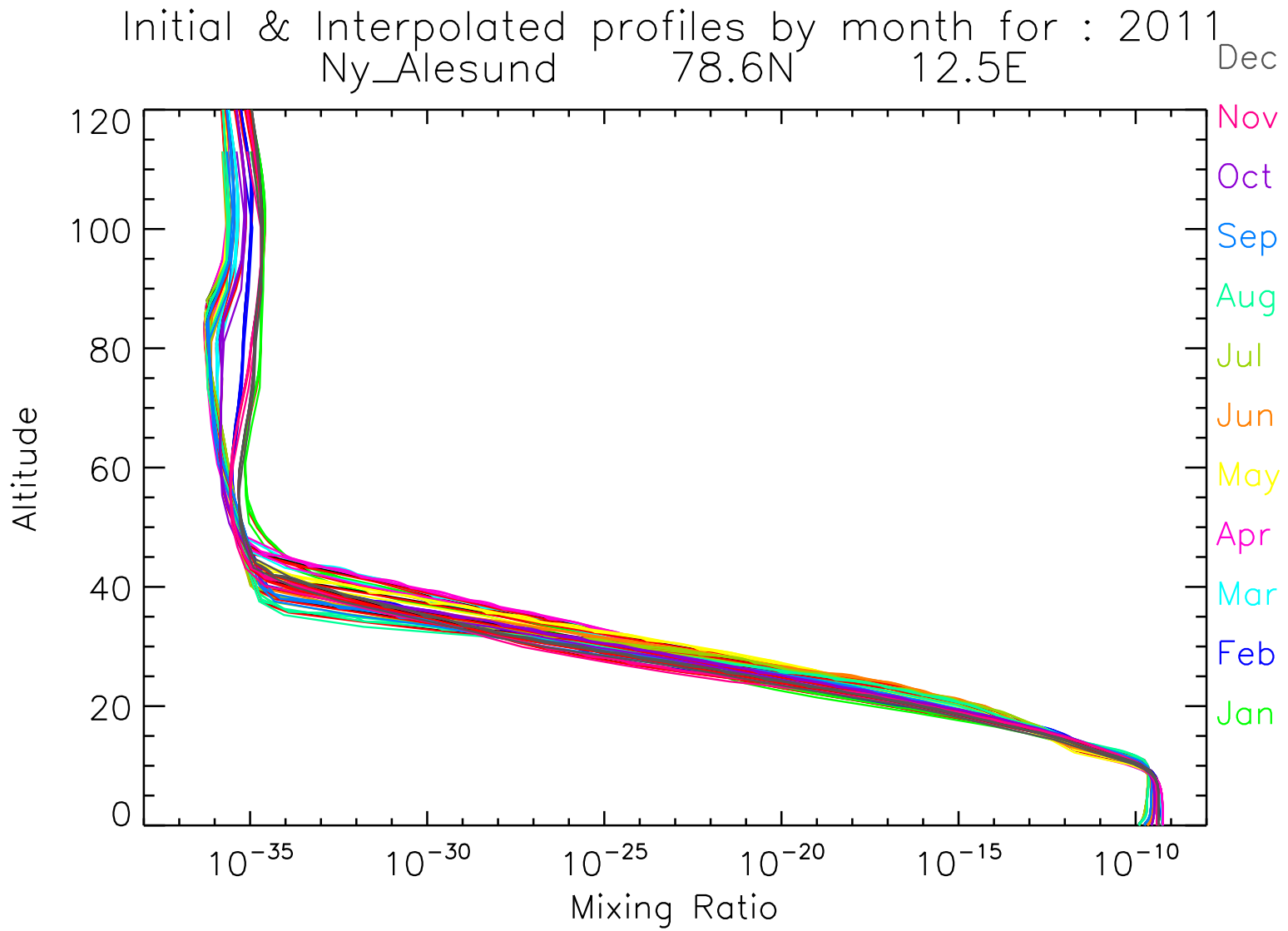
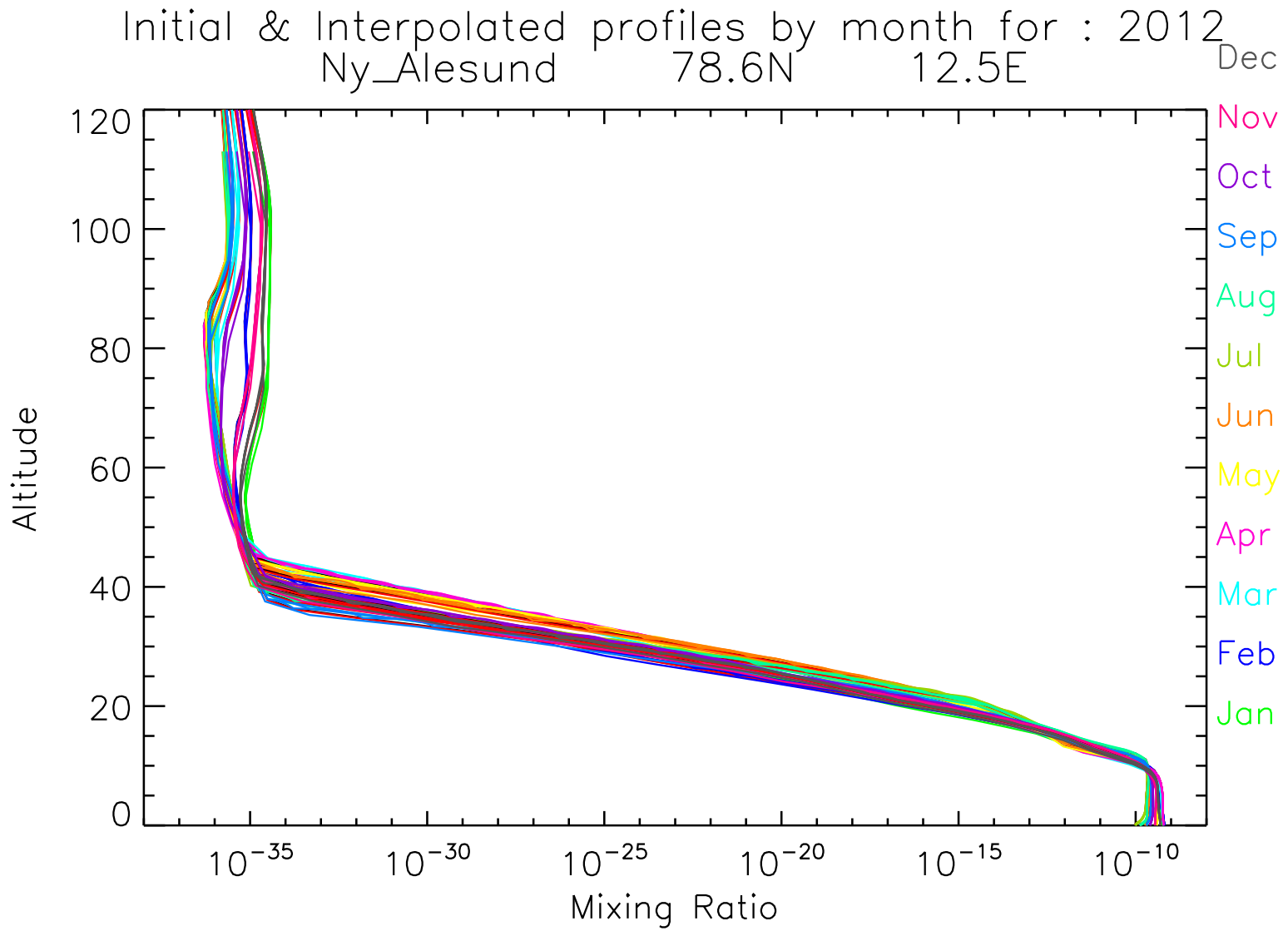
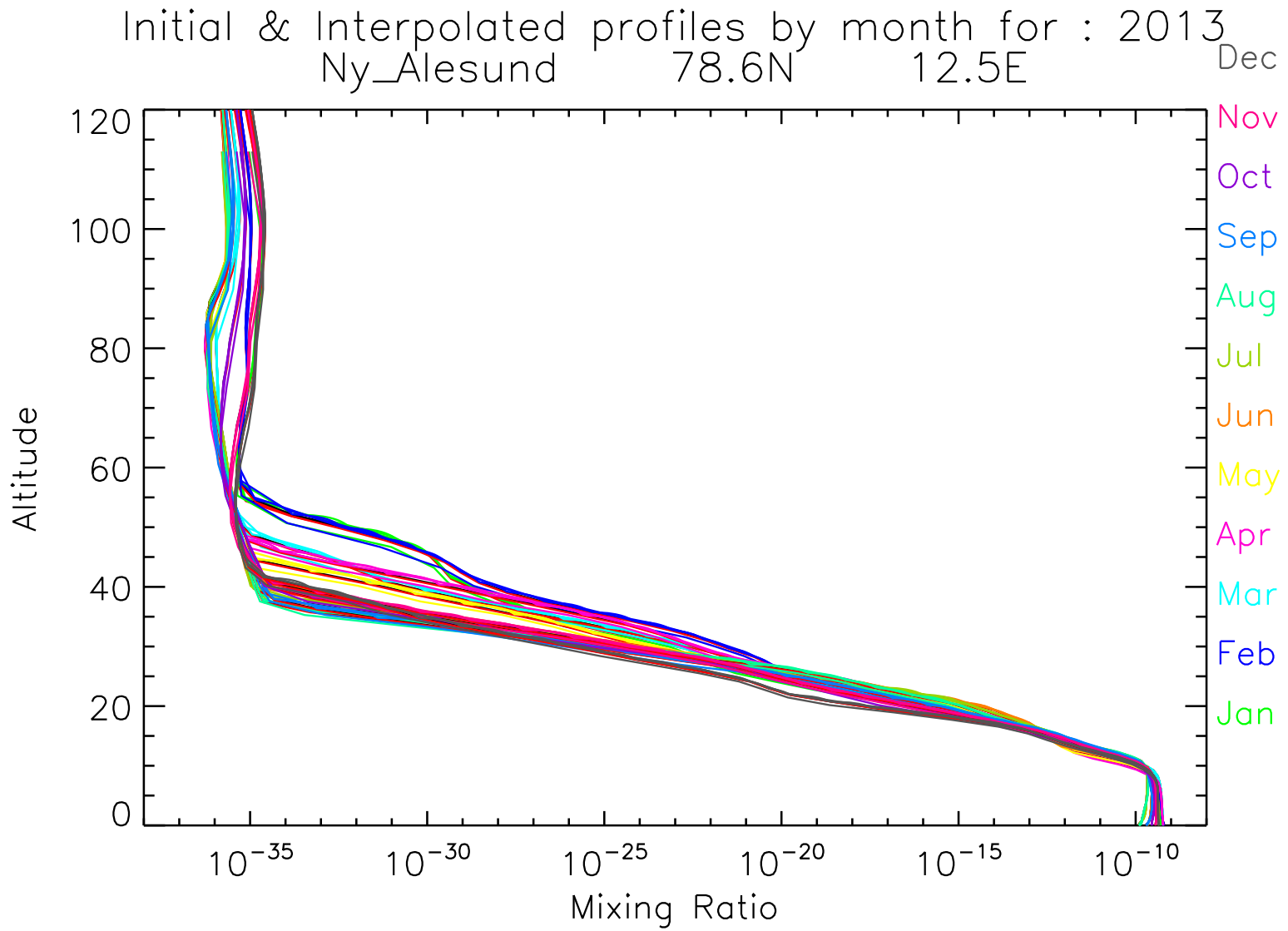
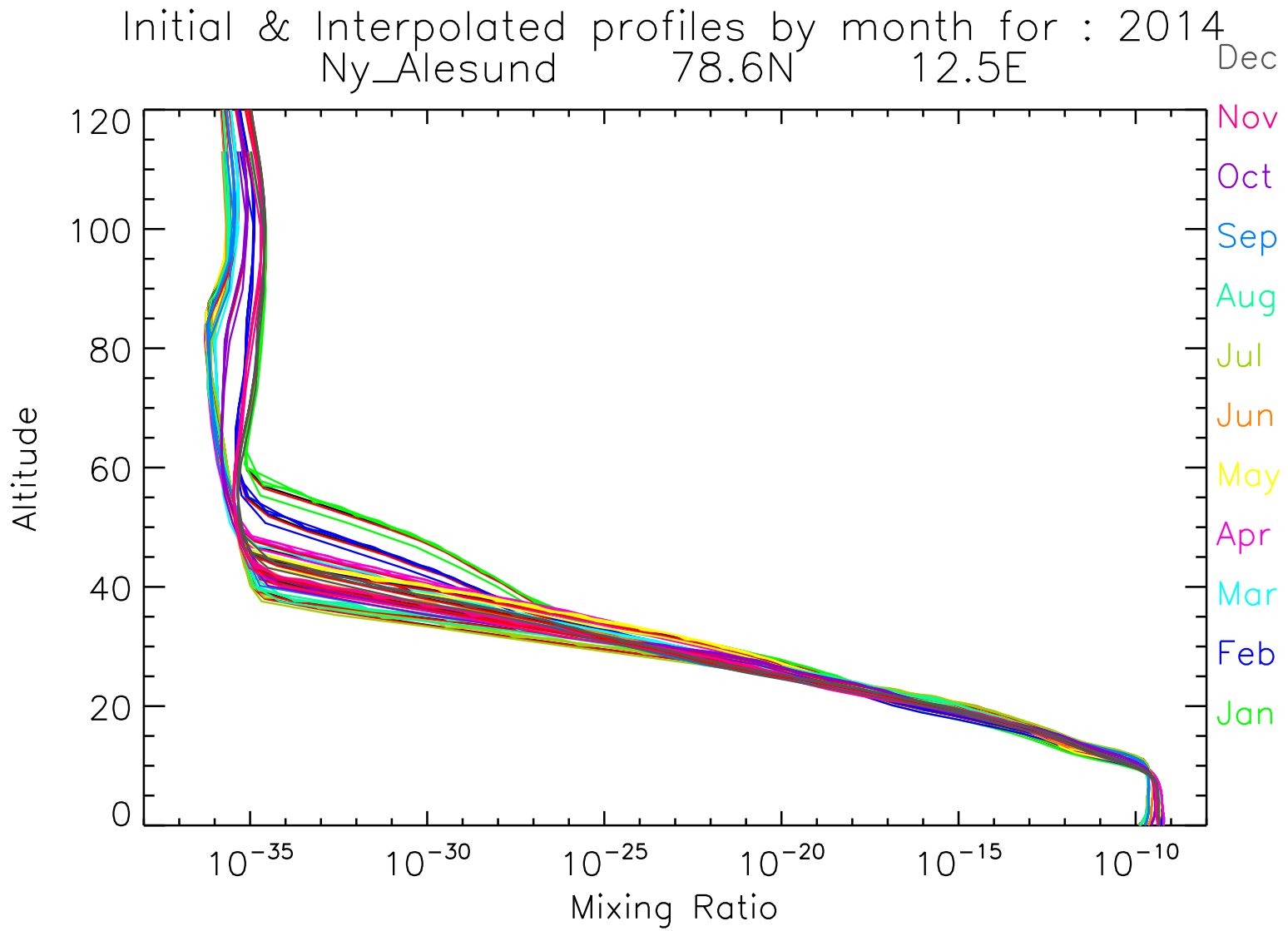
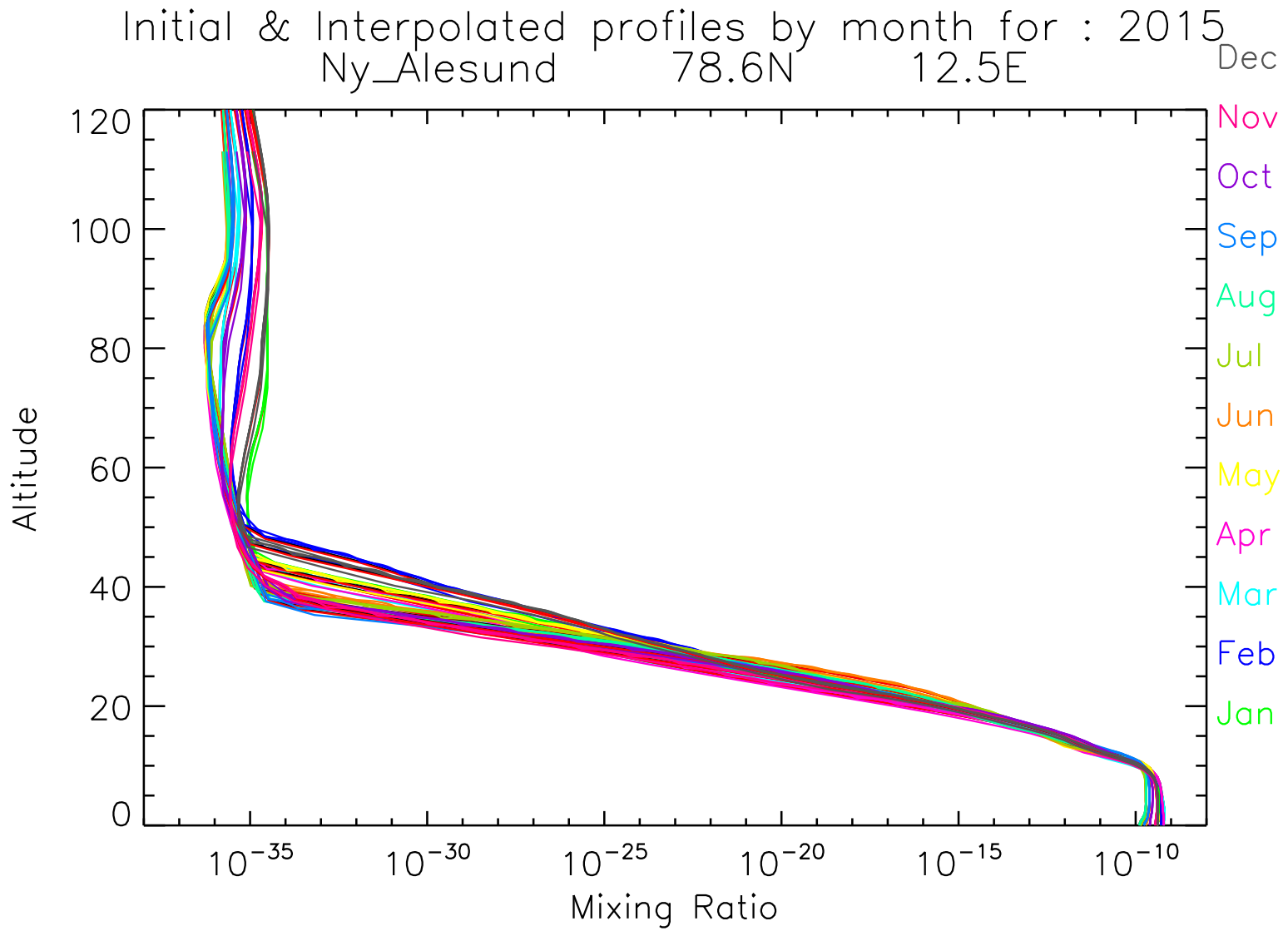
10^{-15}
10^{-10}
Mixing Ratio

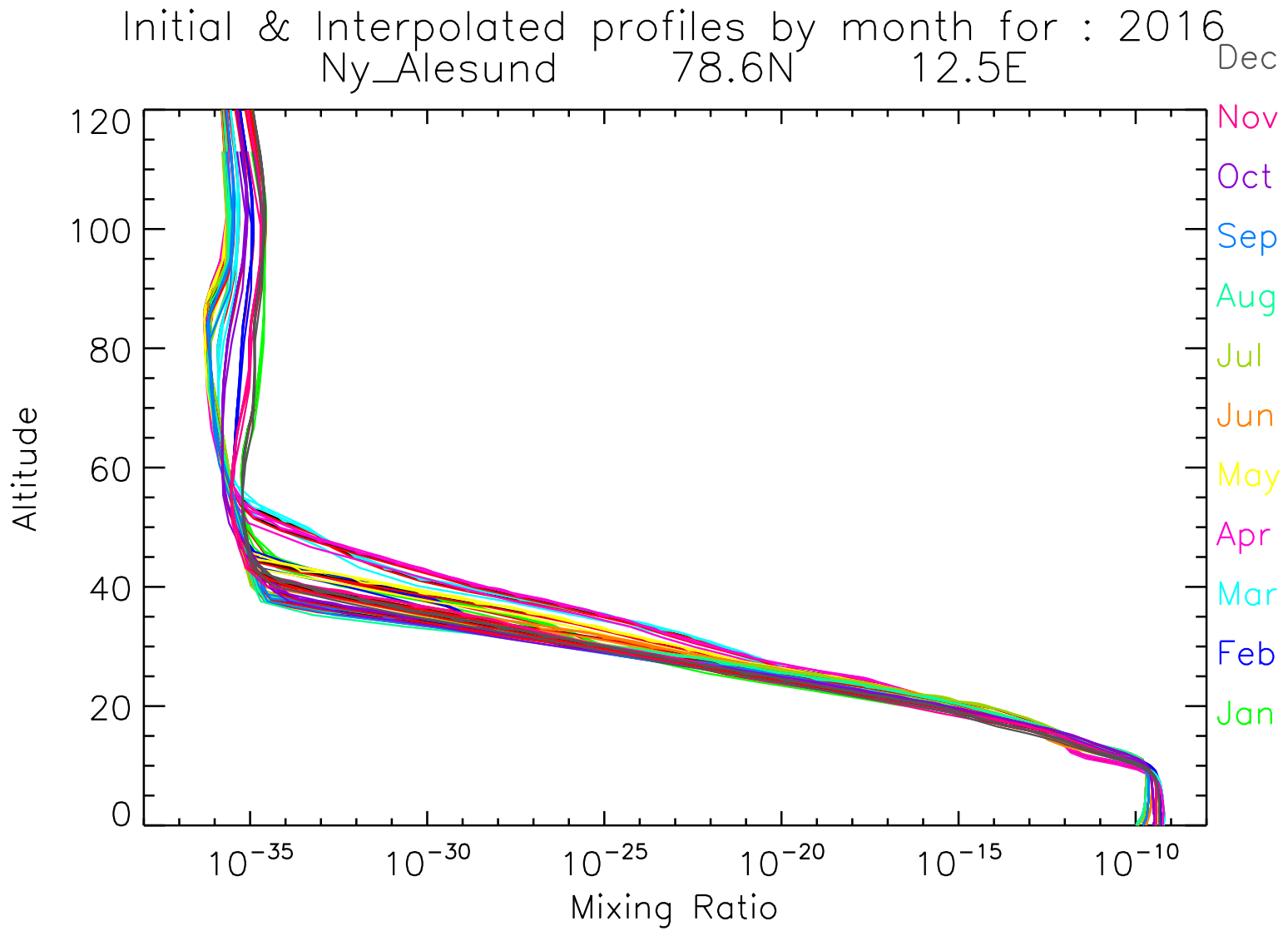

Initial & Interpolated profiles by month for : 2011
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

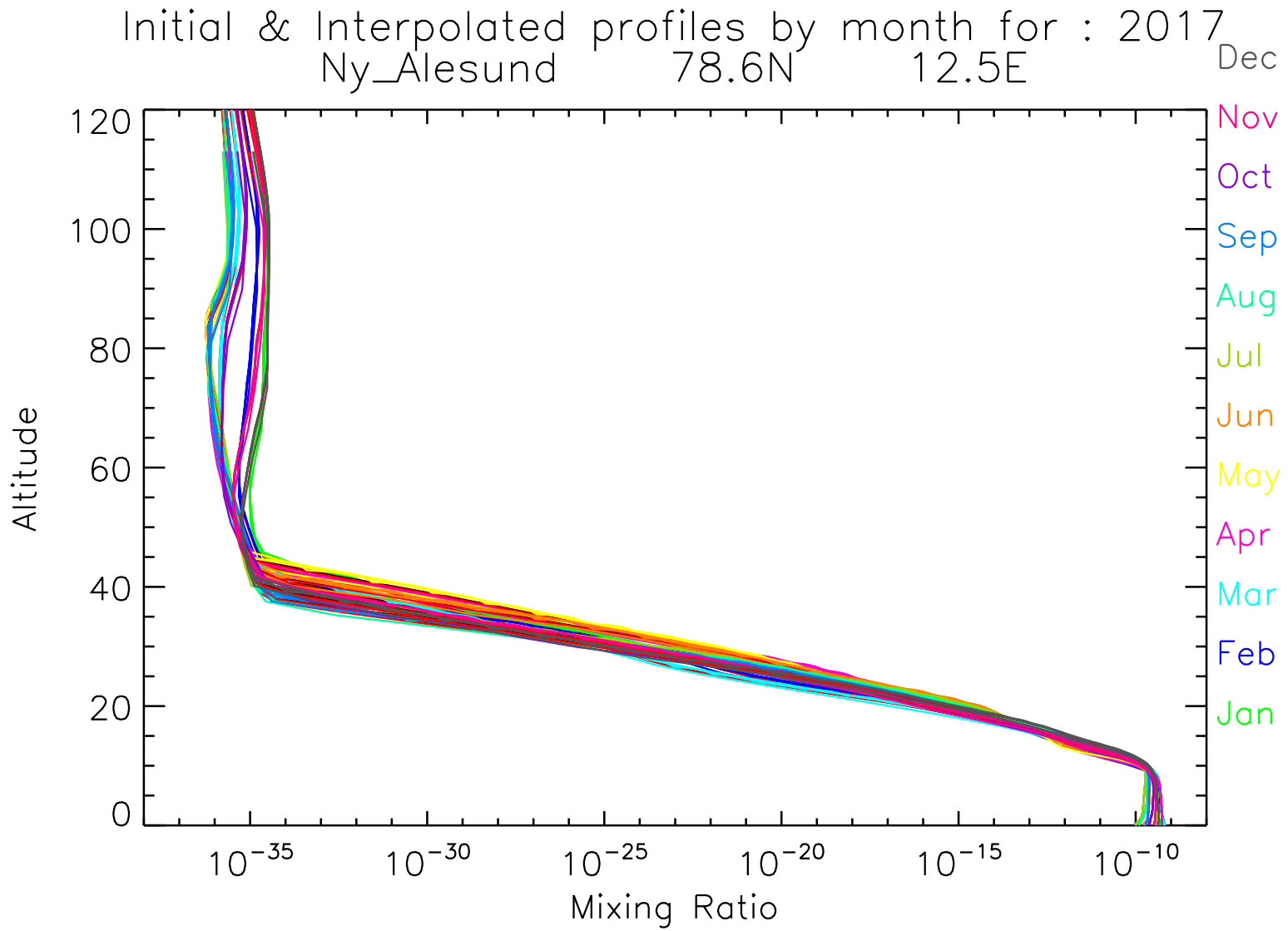

Initial & Interpolated profiles by month for : 2012
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

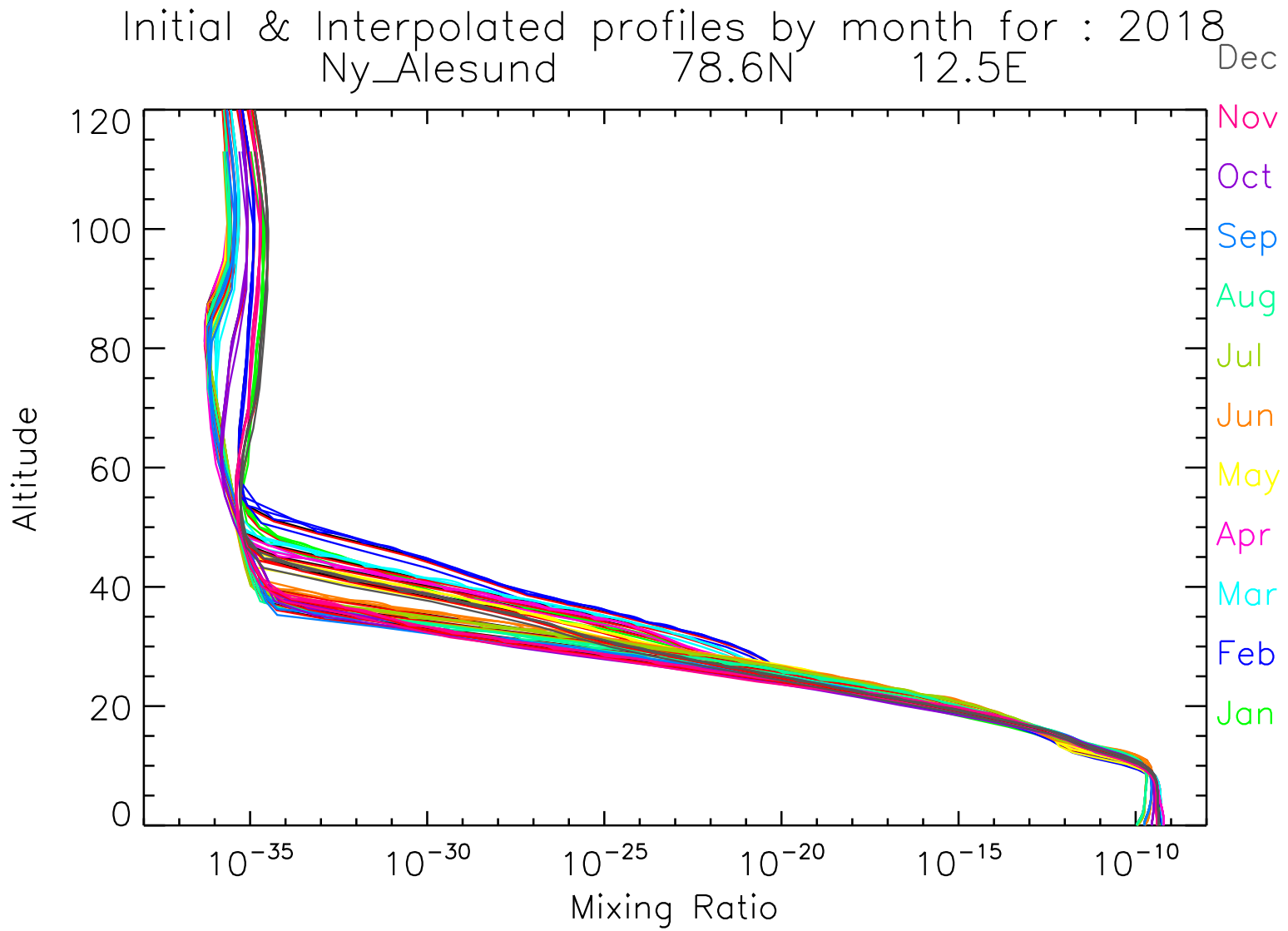

Initial & Interpolated profiles by month for : 2013
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

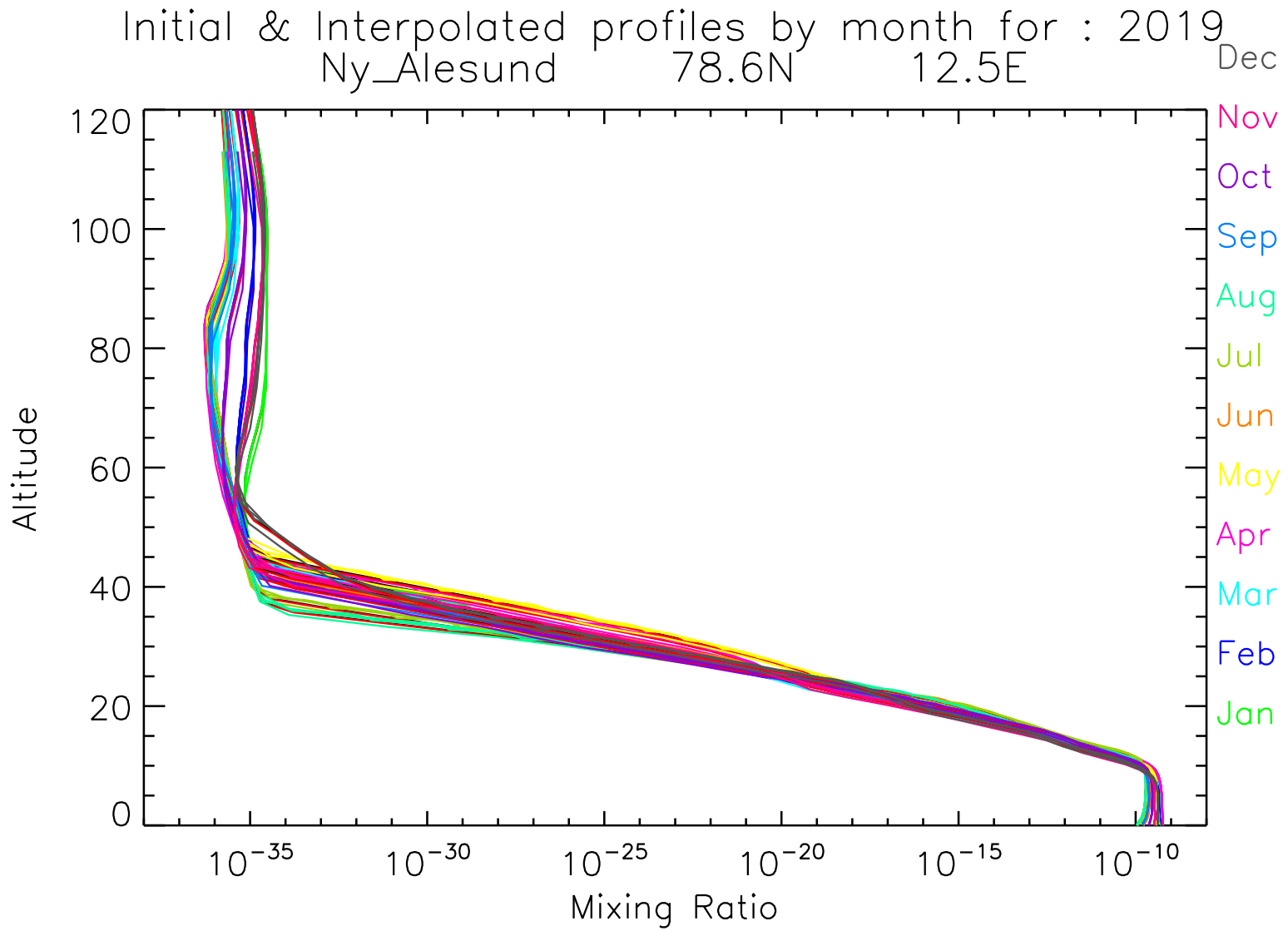

Initial & Interpolated profiles by month for : 2014
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

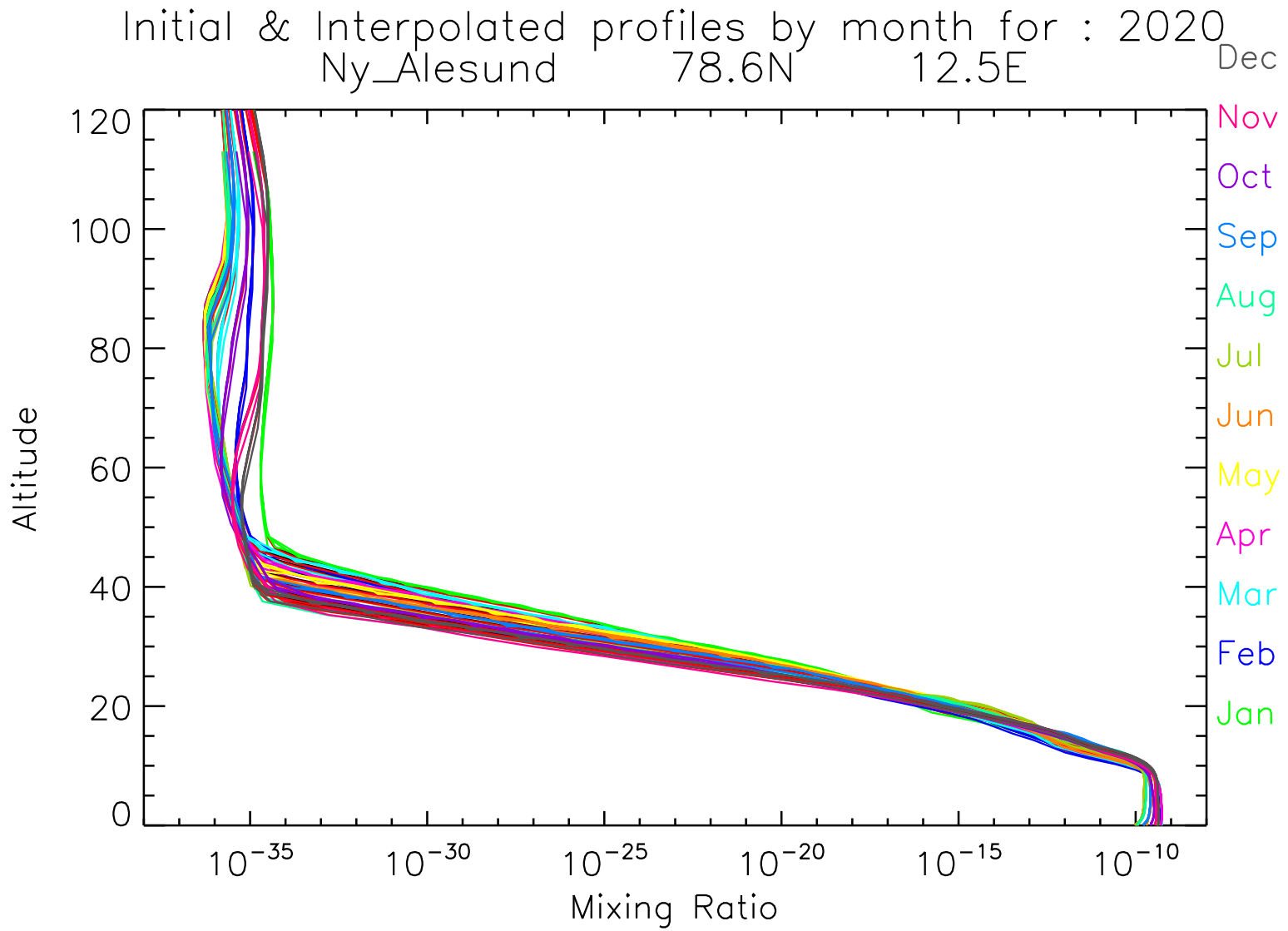

Initial & Interpolated profiles by month for : 2015
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

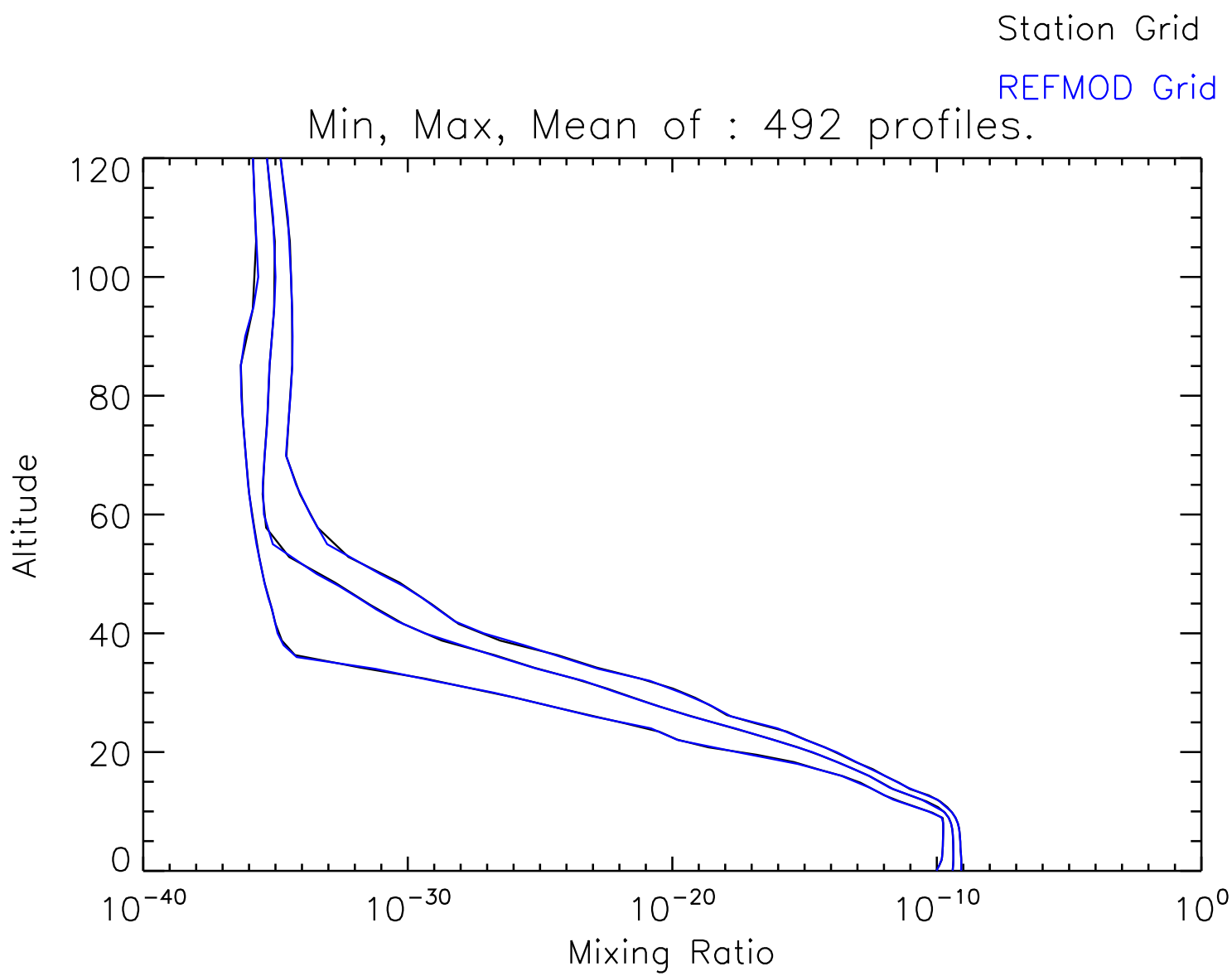

Initial & Interpolated profiles by month for : 2016
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

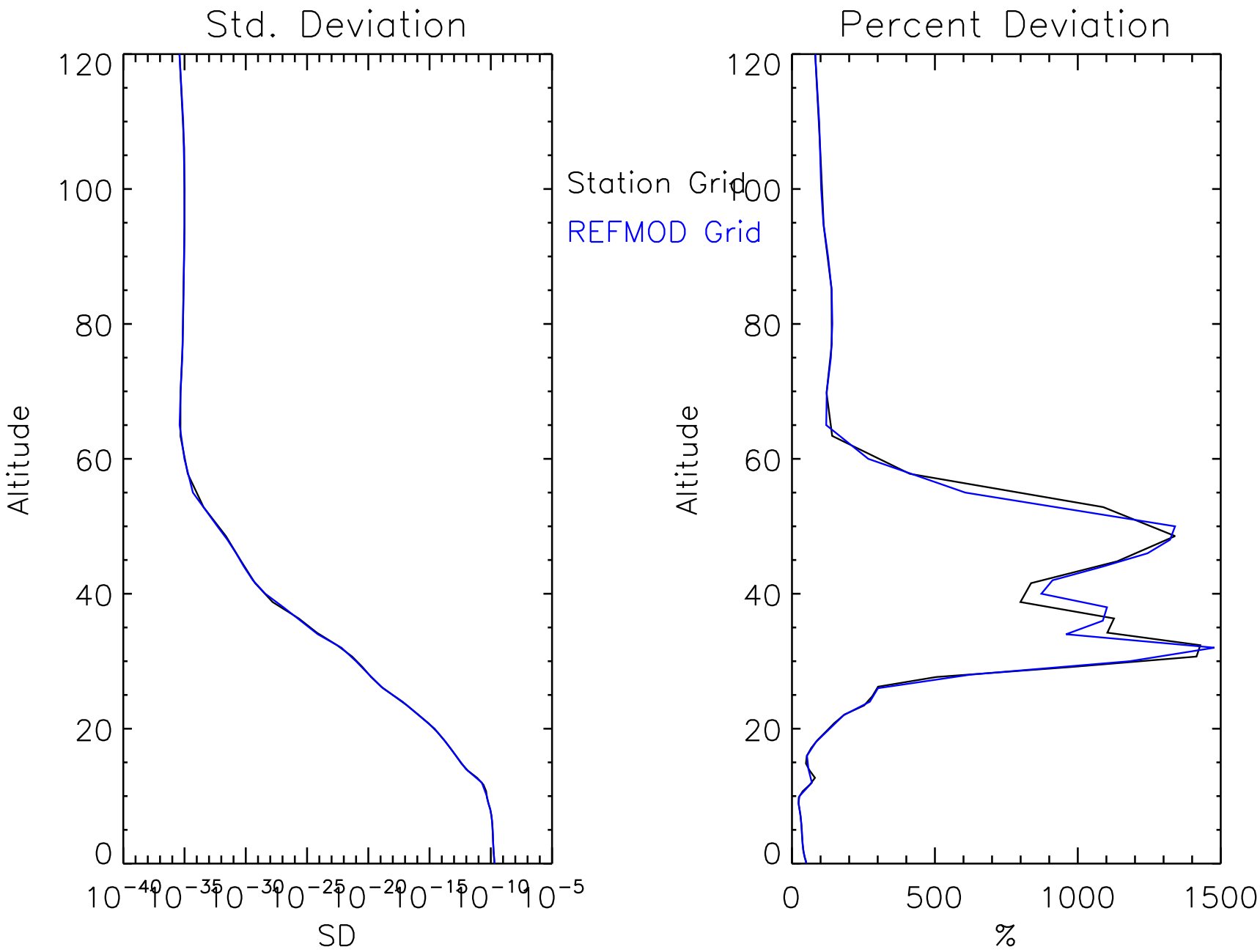

Initial & Interpolated profiles by month for : 2017
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

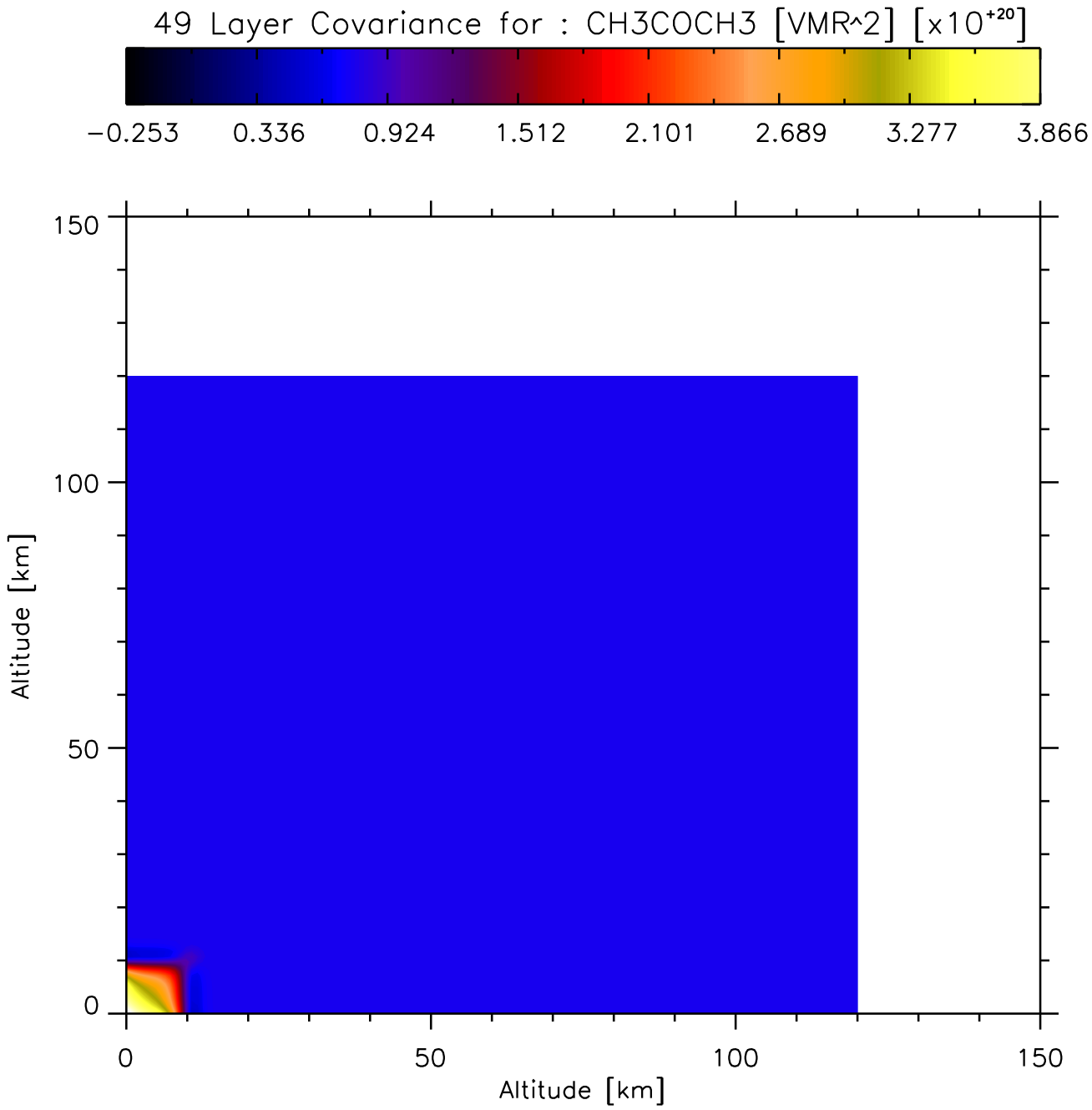

Initial & Interpolated profiles by month for : 2018
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

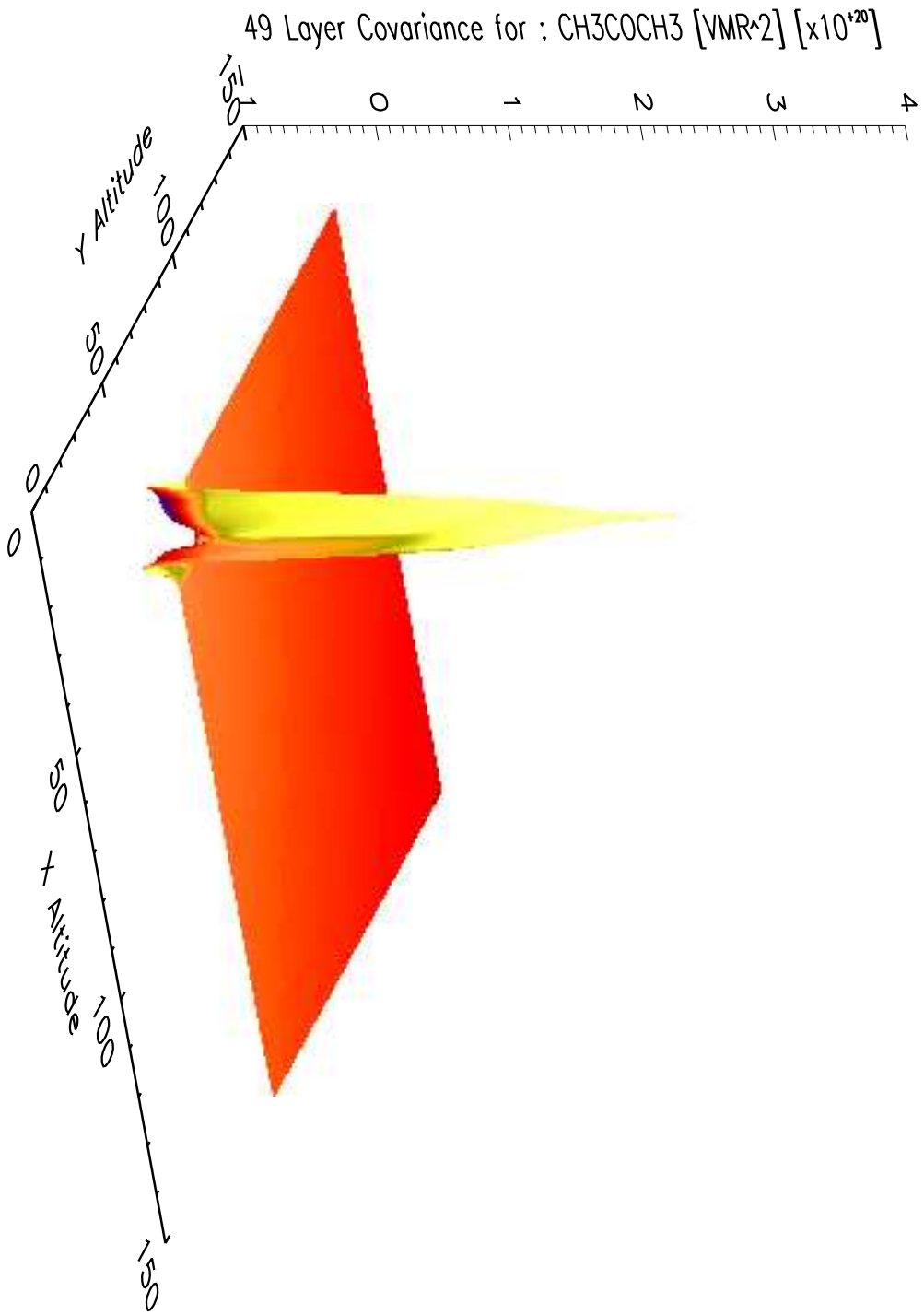

Initial & Interpolated profiles by month for : 2019
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

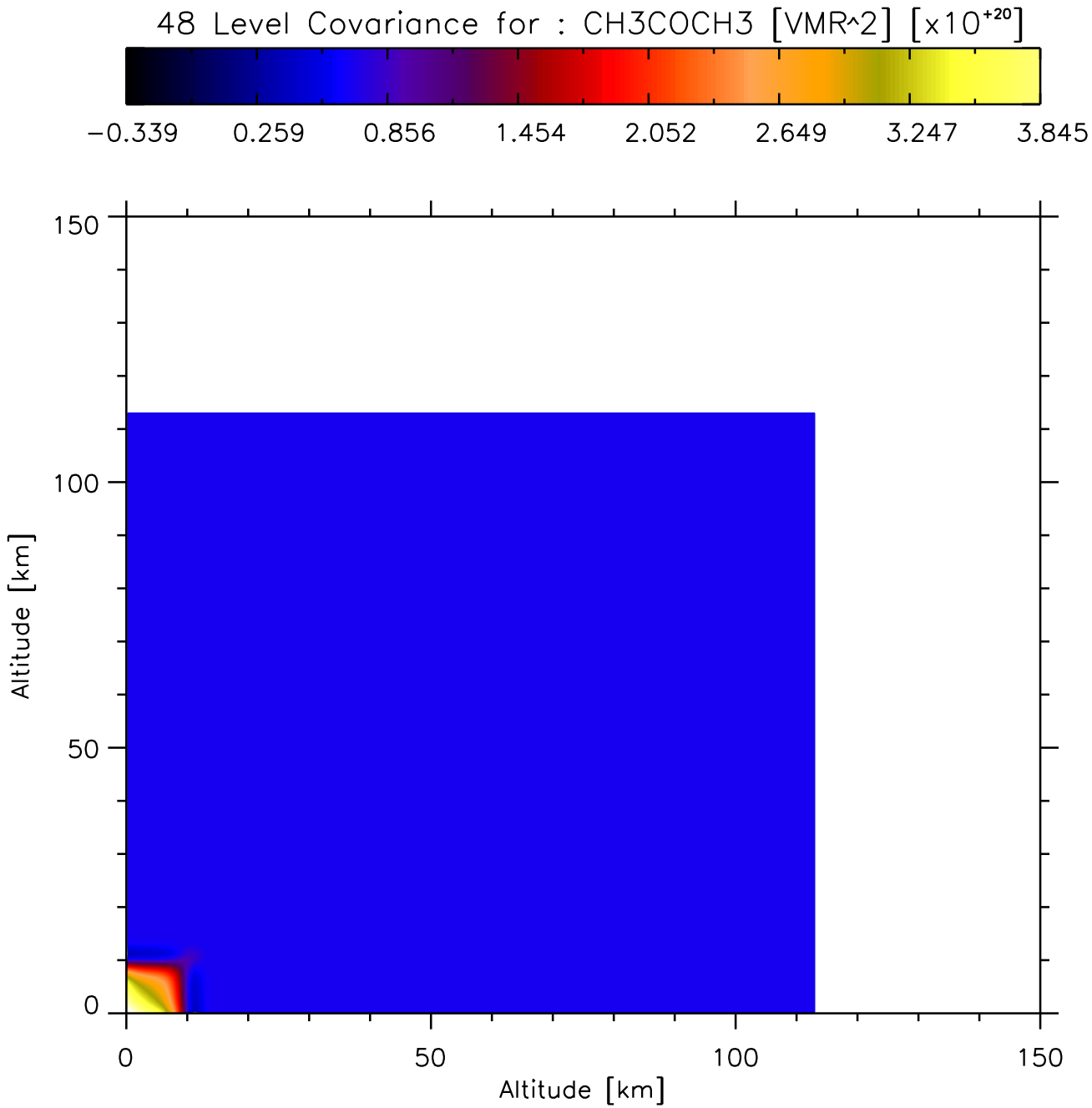

Initial & Interpolated profiles by month for : 2020
Ny_Alesund 78.6N 12.5E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

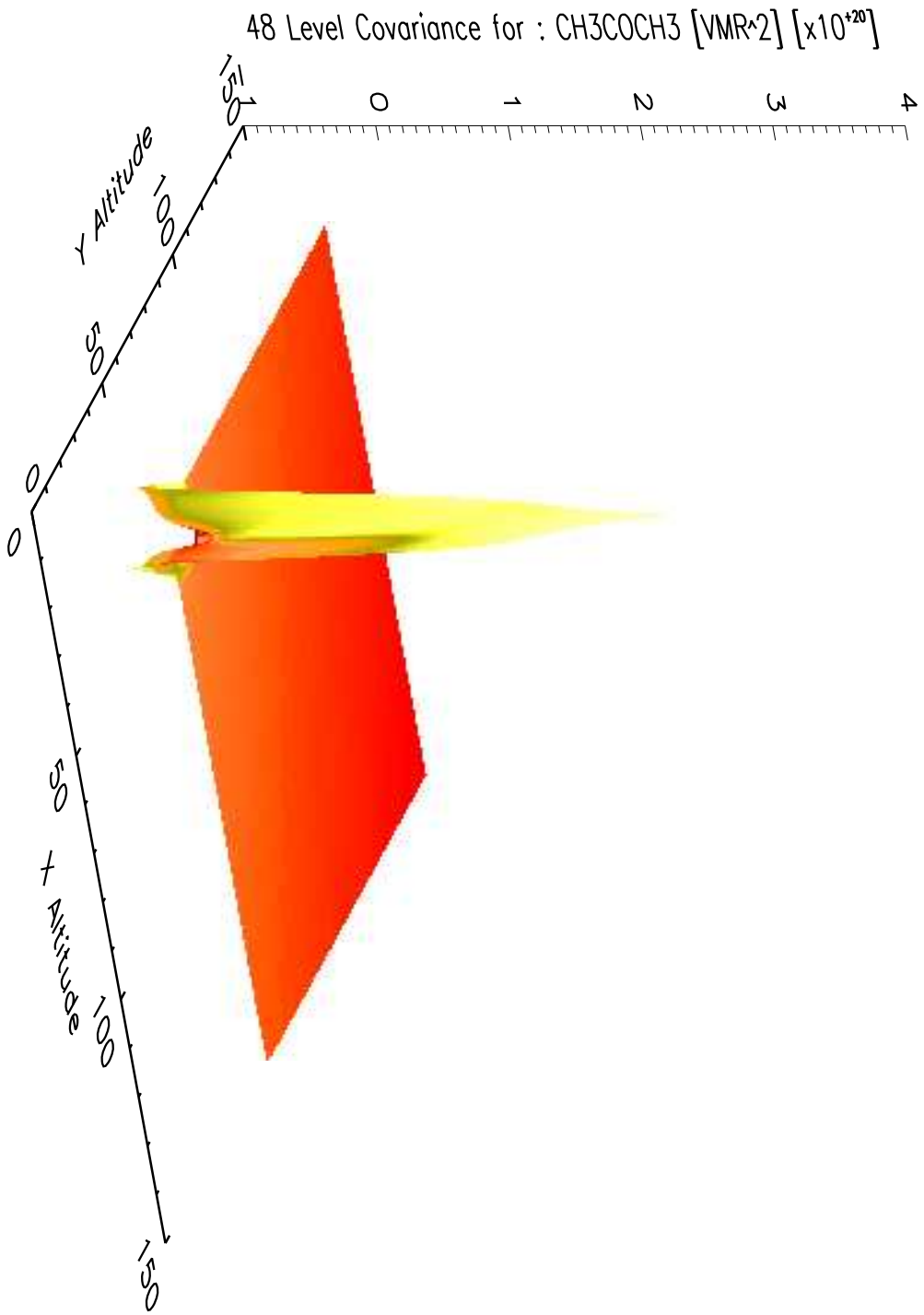

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-40}
10^{-30}
10^{-20}
10^{-10}
10^{0}
Mixing Ratio


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} 10^{-5}
SD
0
500
1000
1500
%


49 Layer Covariance for : CH3COCH3 [VMR^2] [x10^+20]
−0.253
0.336
0.924
1.512
2.101
2.689
3.277
3.866
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : CH3COCH3 [VMR^2] [x10^+20]
0
1
2
3
4
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


48 Level Covariance for : CH3COCH3 [VMR^2] [x10^+20]
−0.339
0.259
0.856
1.454
2.052
2.649
3.247
3.845
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : CH3COCH3 [VMR^2] [x10^+20]
Y Altitude
X Altitude
0
50
100
150
1
2
3
4