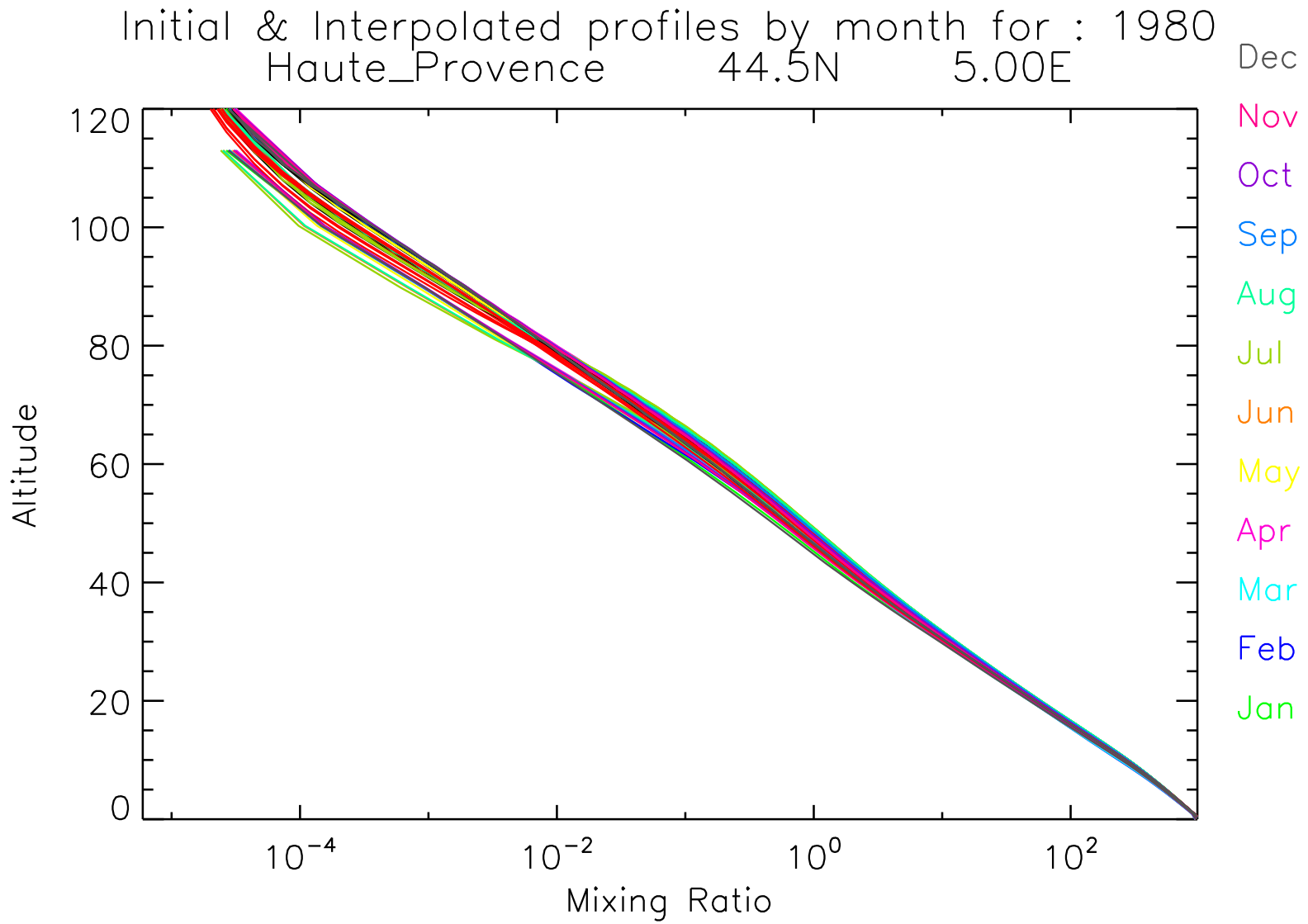
Initial & Interpolated profiles by month for : 1980
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Altitude
120
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Mixing Ratio
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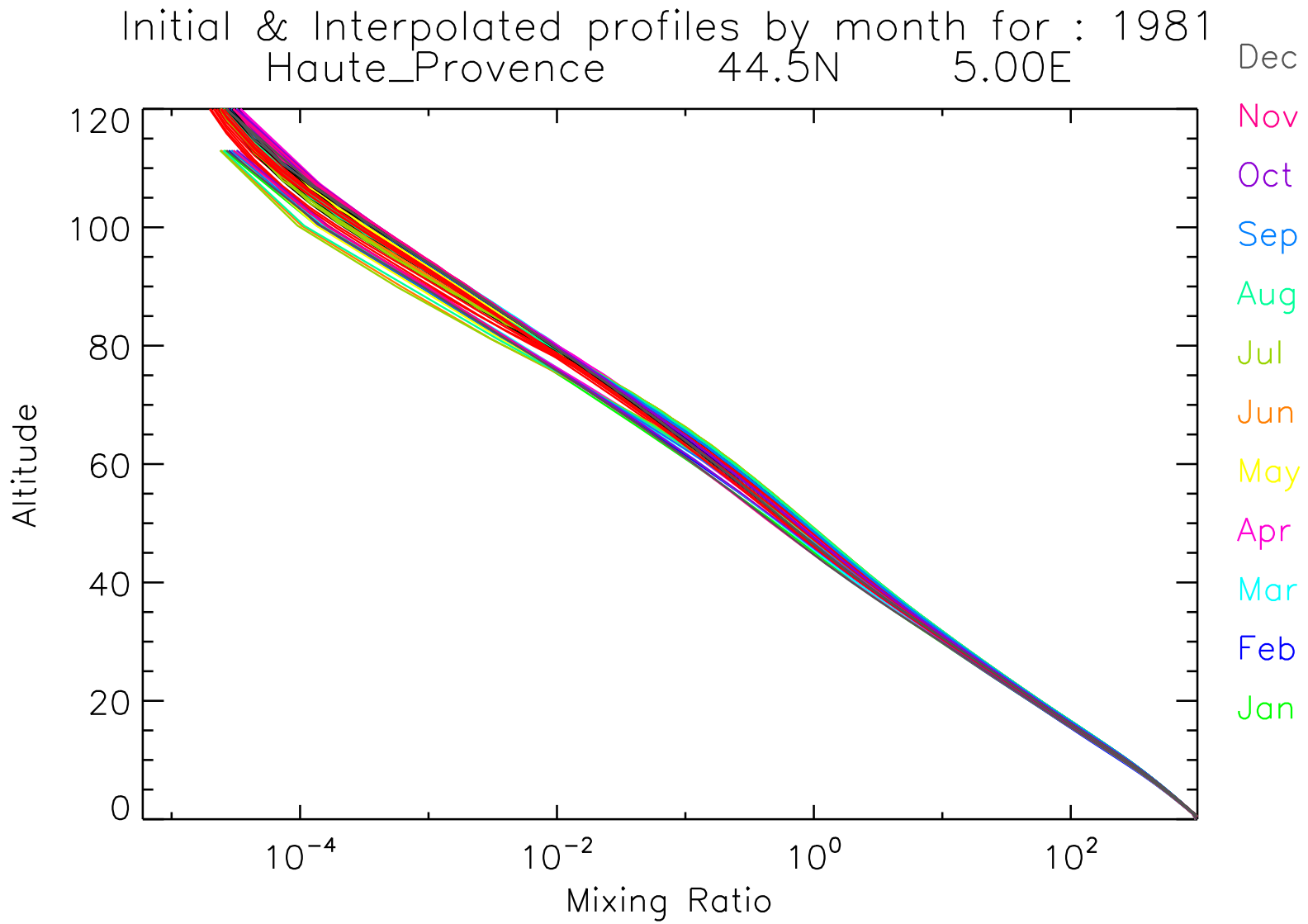
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Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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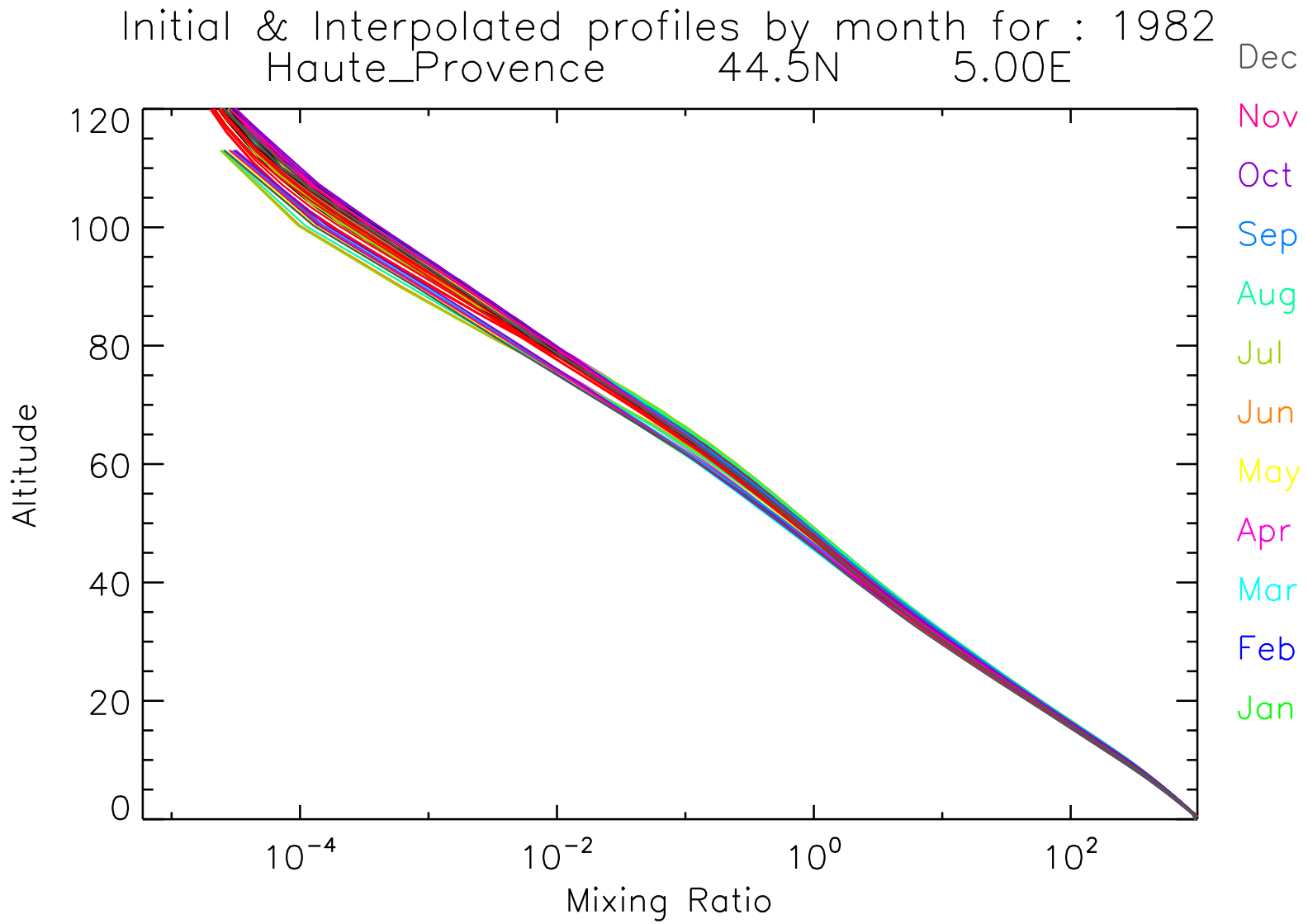
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Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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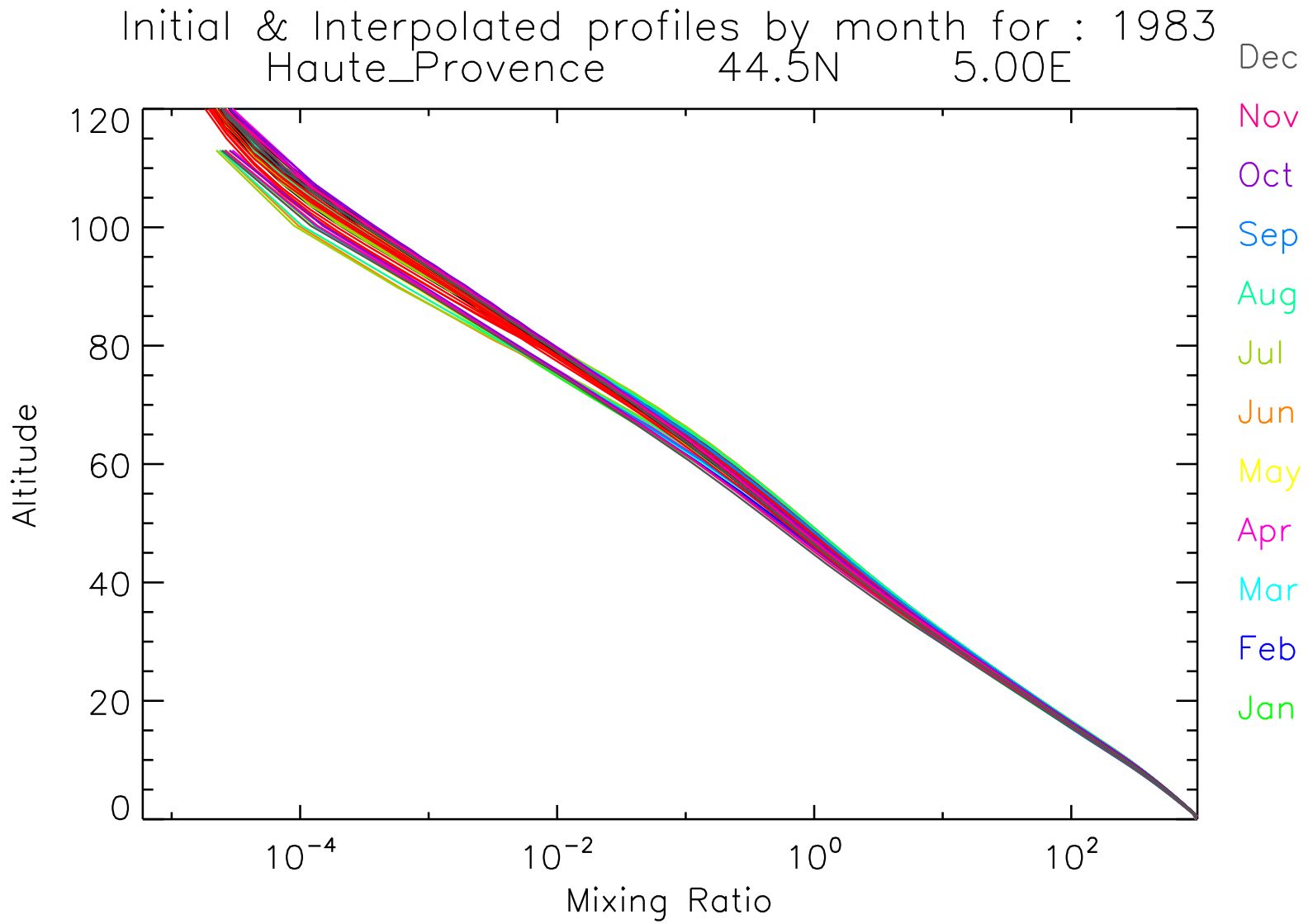
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Altitude
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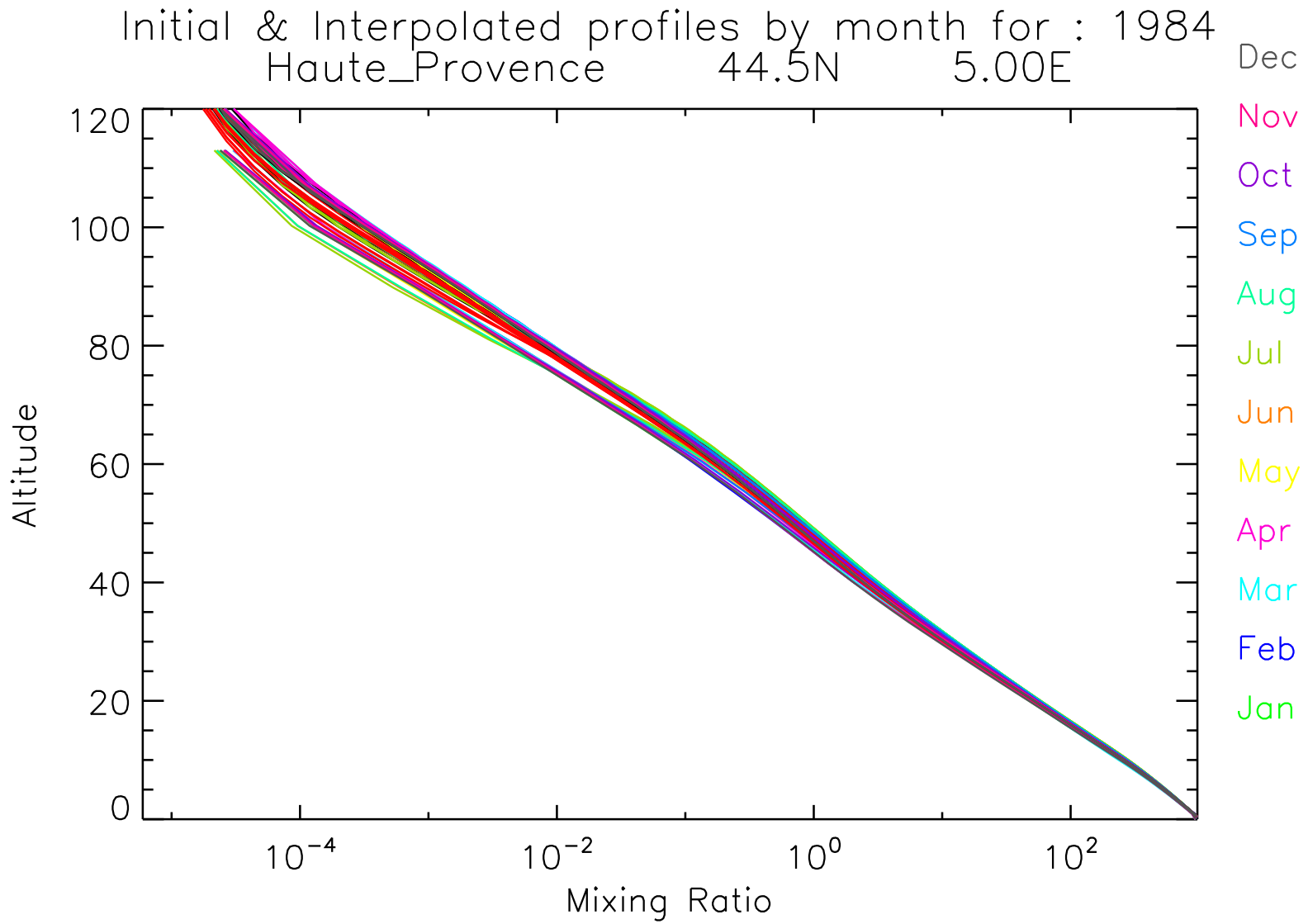
Initial & Interpolated profiles by month for : 1984
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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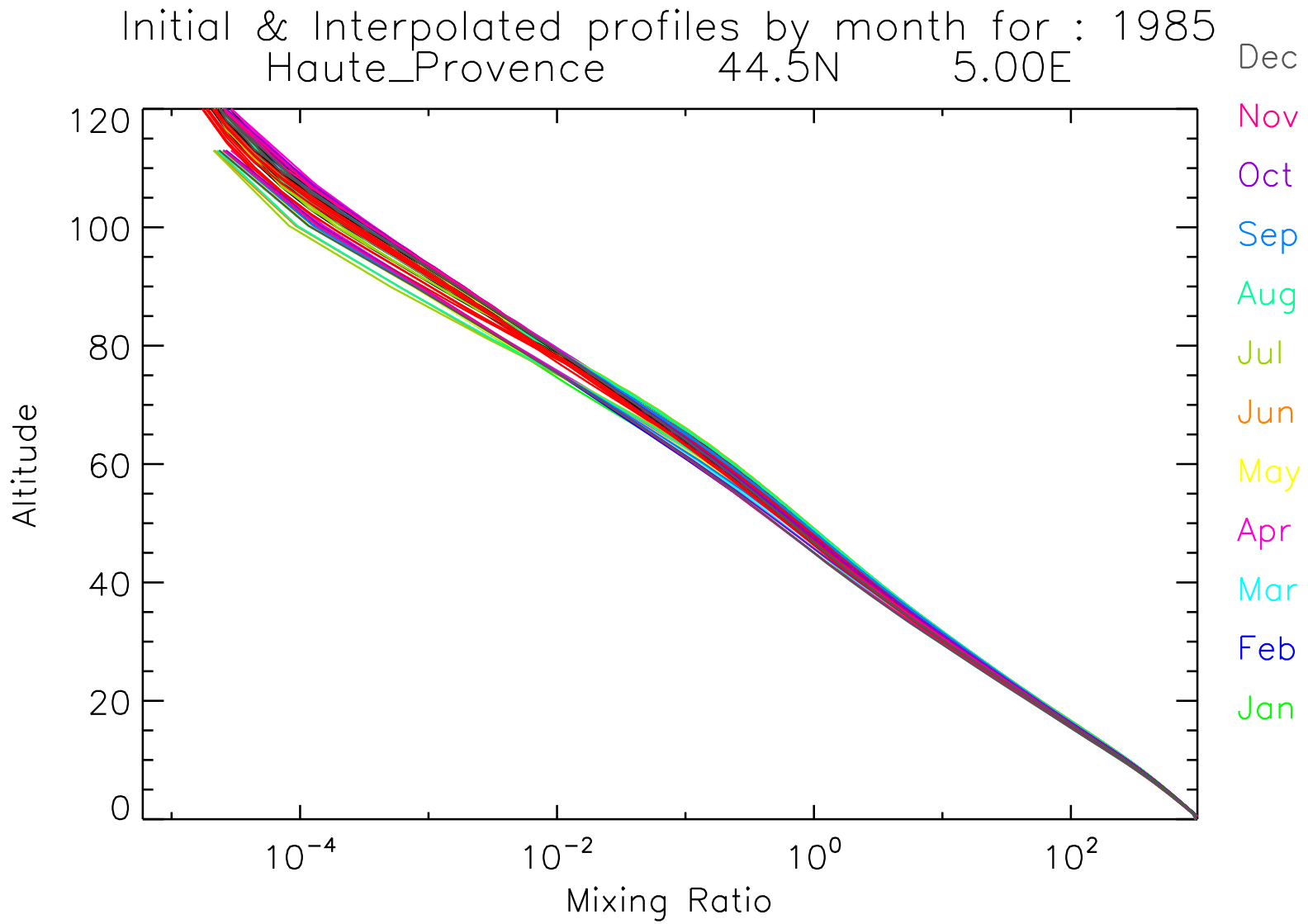
Initial & Interpolated profiles by month for : 1985
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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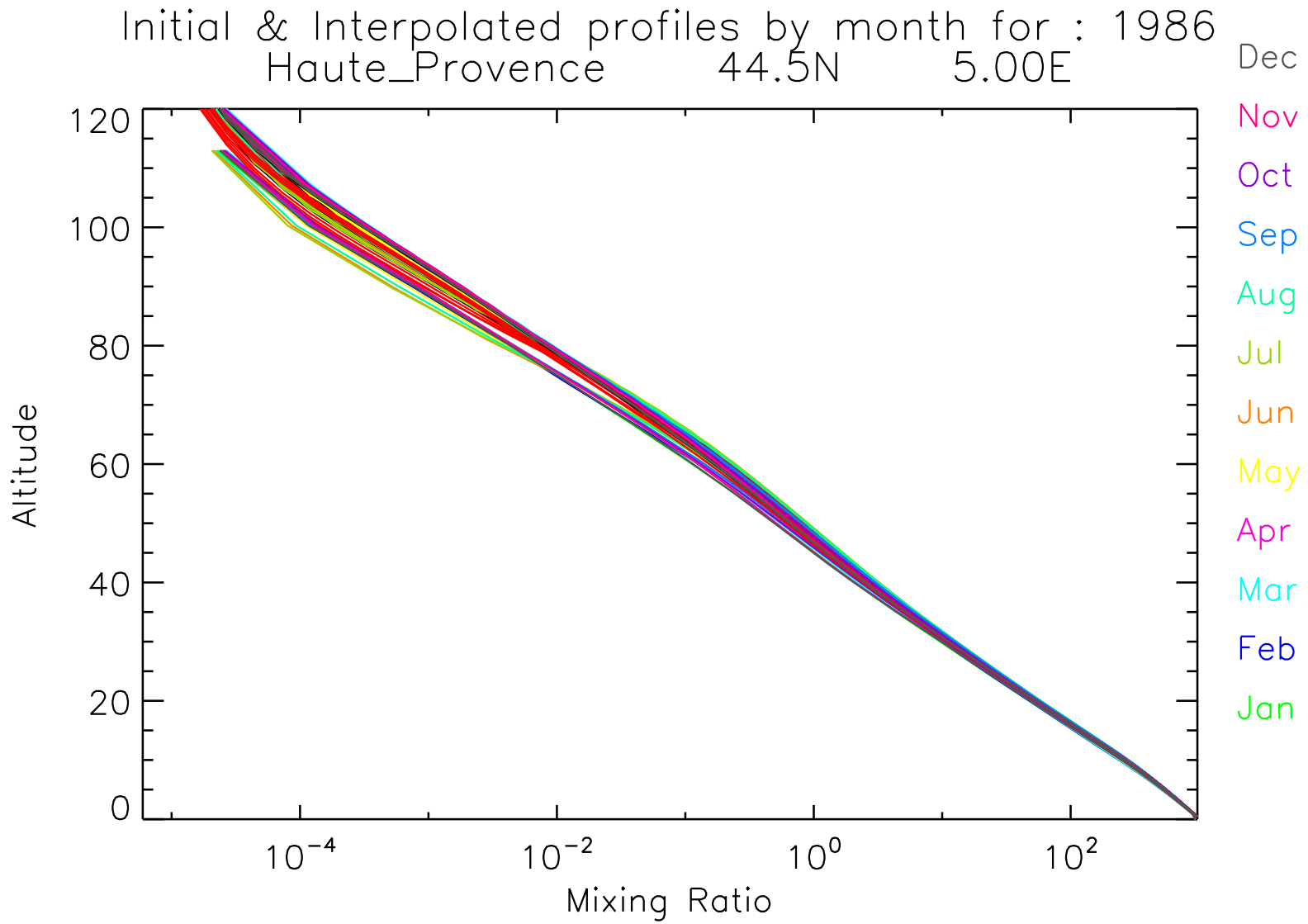
Initial & Interpolated profiles by month for : 1986
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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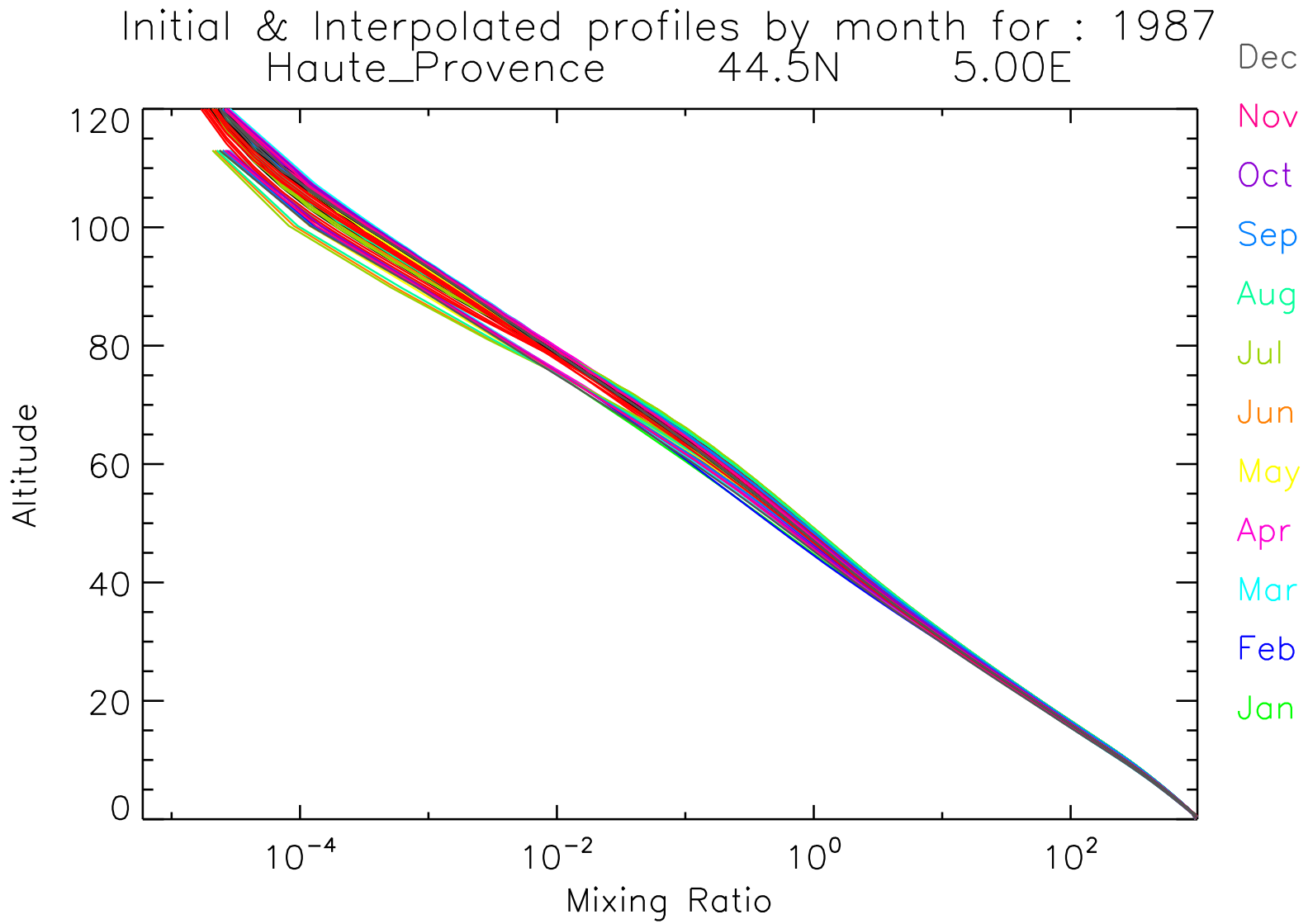
Initial & Interpolated profiles by month for : 1987
Haute_Provence 44.5N 5.00E
Altitude
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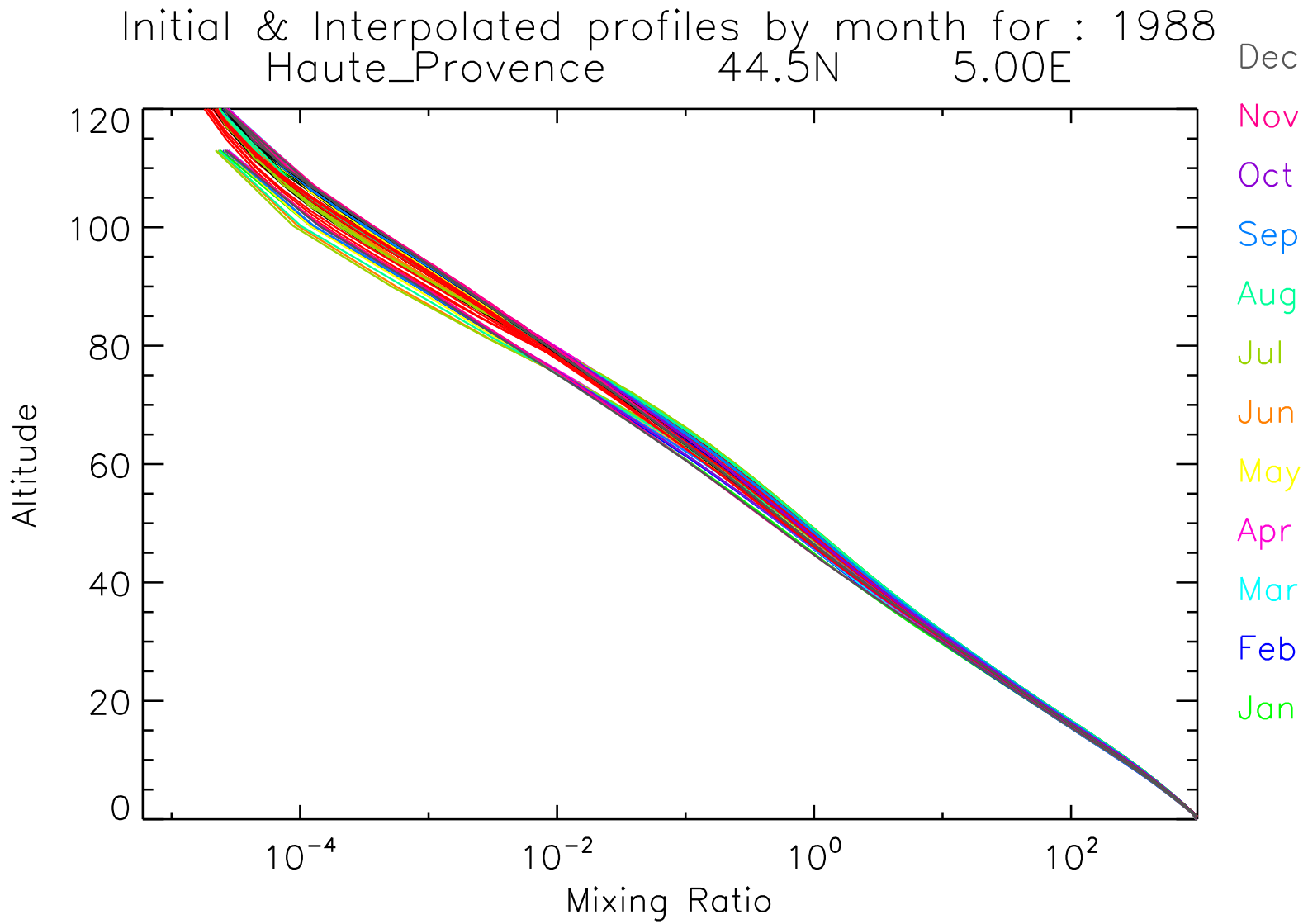
Initial & Interpolated profiles by month for : 1988
Haute_Provence 44.5N 5.00E
Altitude
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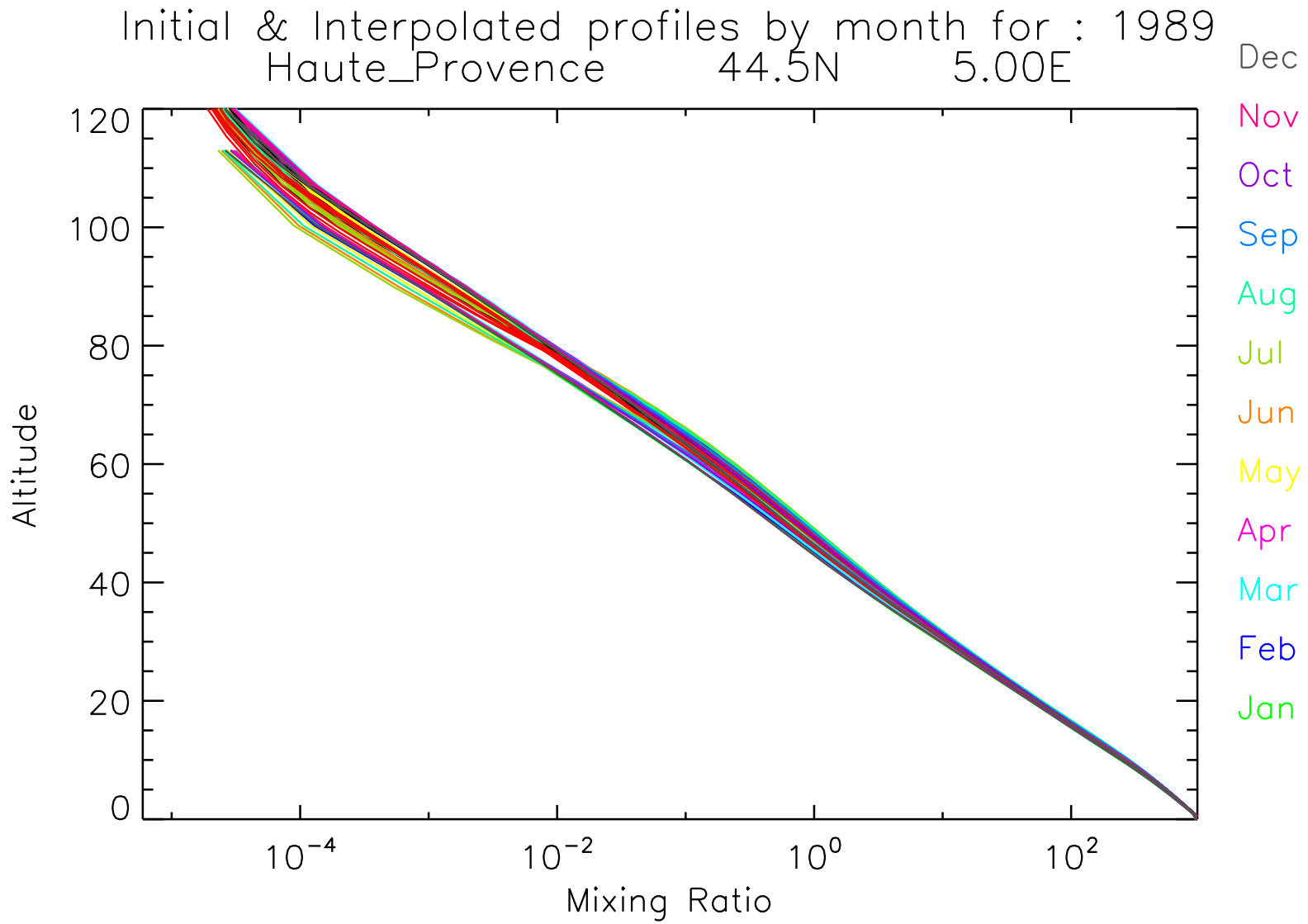
Initial & Interpolated profiles by month for : 1989
Haute_Provence 44.5N 5.00E
Altitude
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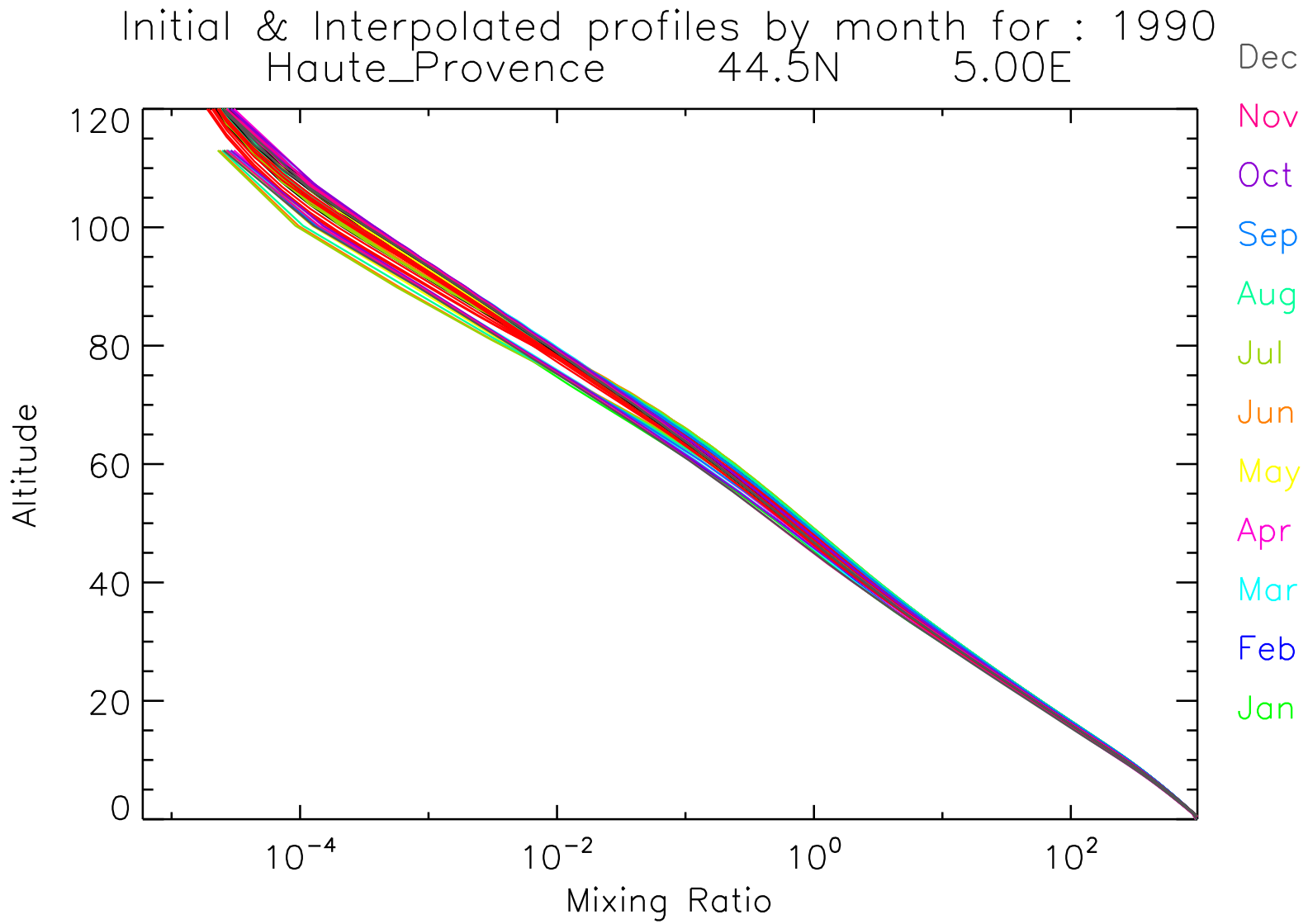
Initial & Interpolated profiles by month for : 1990
Haute_Provence 44.5N 5.00E
Altitude
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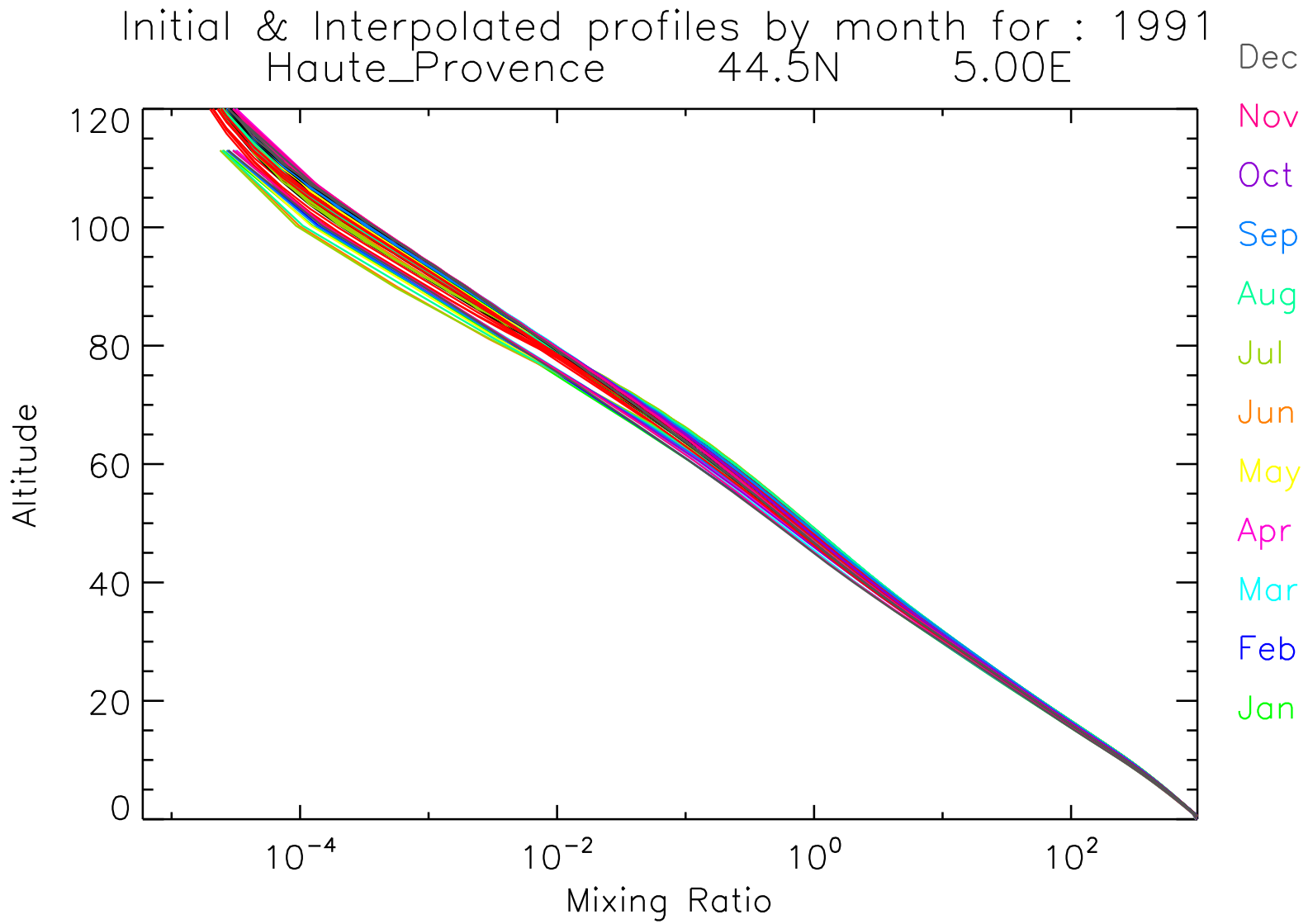
Initial & Interpolated profiles by month for : 1991
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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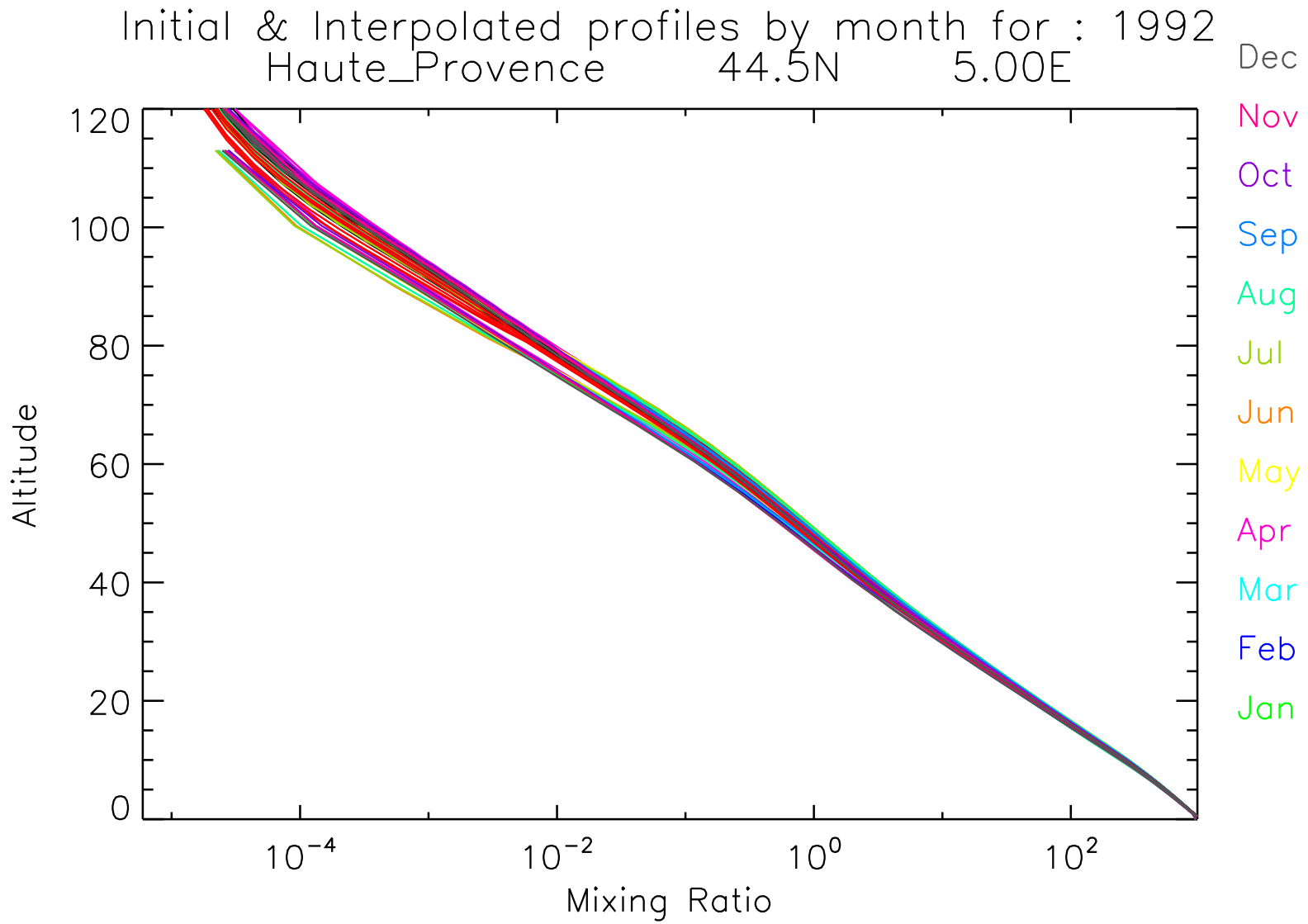
Initial & Interpolated profiles by month for : 1992
Haute_Provence 44.5N 5.00E
Altitude
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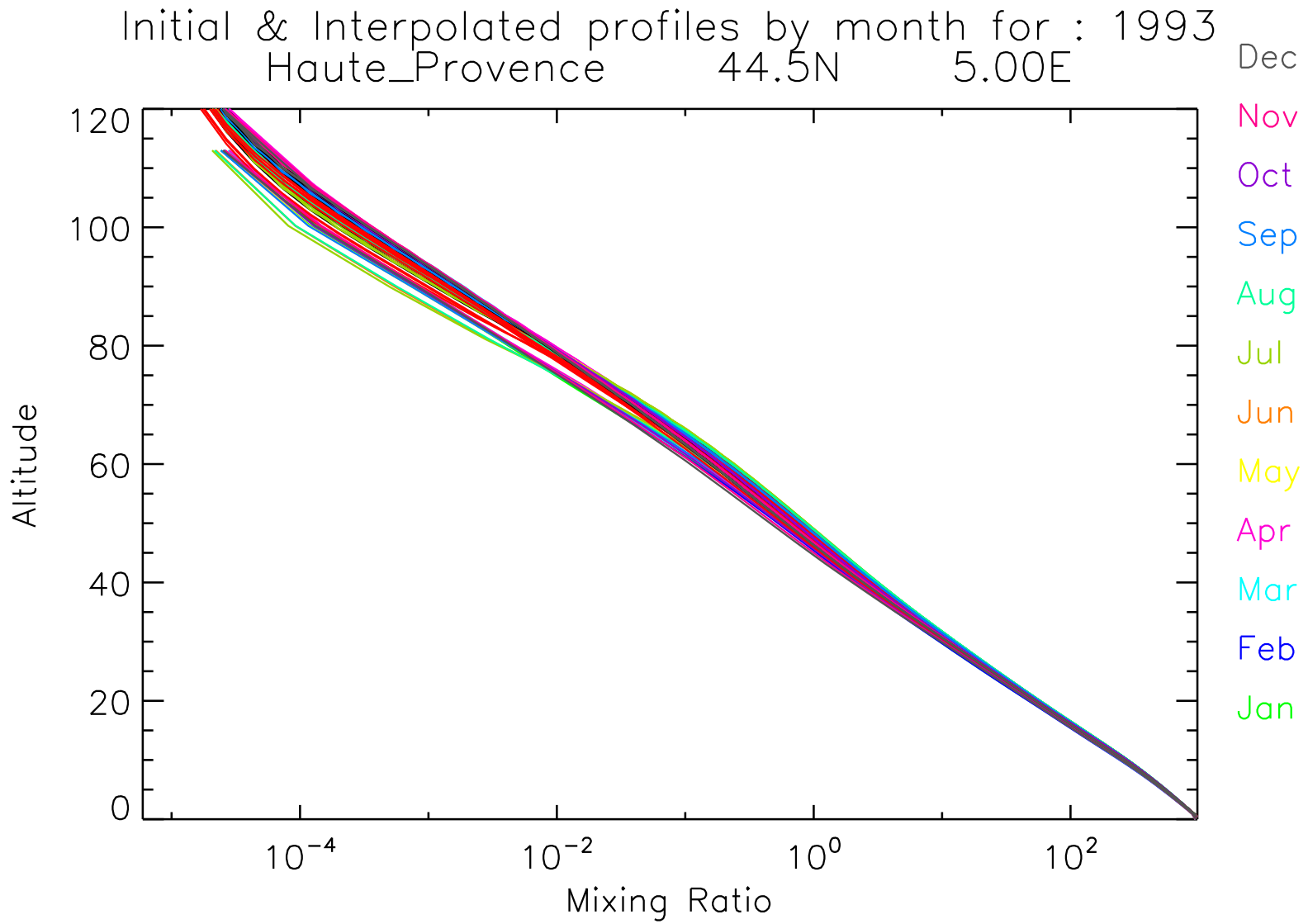
Initial & Interpolated profiles by month for : 1993
Haute_Provence 44.5N 5.00E
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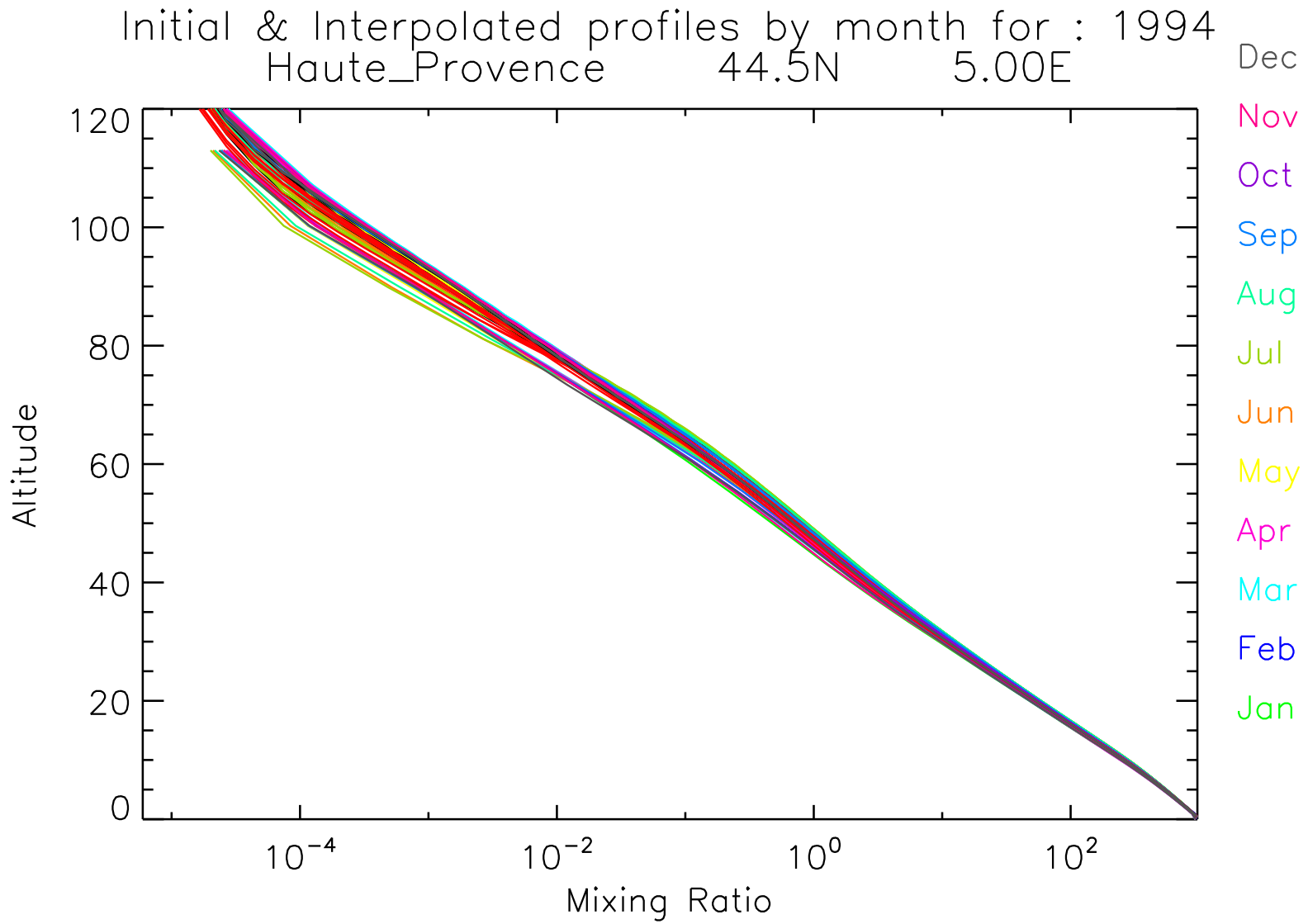
Initial & Interpolated profiles by month for : 1994
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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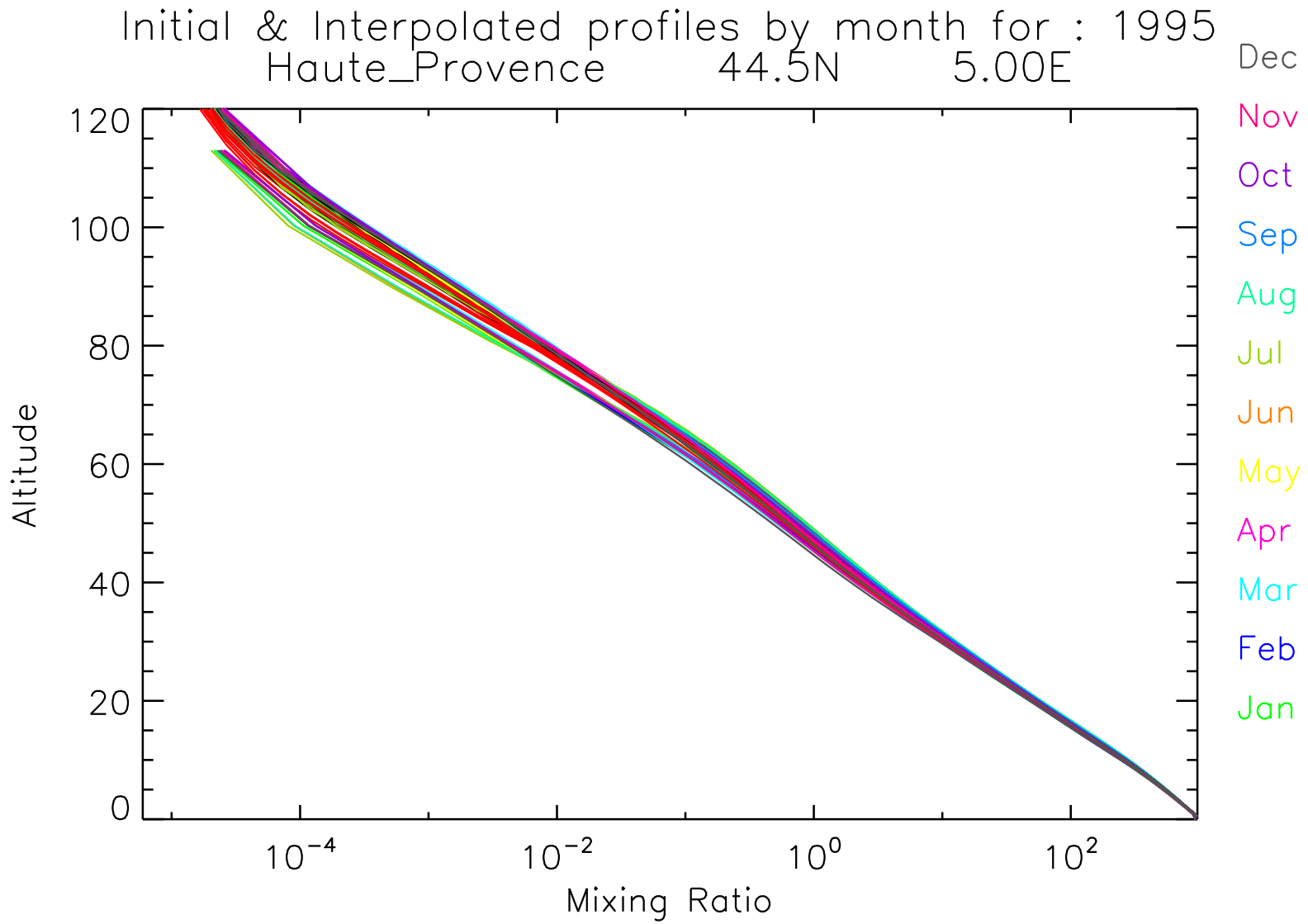
Initial & Interpolated profiles by month for : 1995
Haute_Provence 44.5N 5.00E
Altitude
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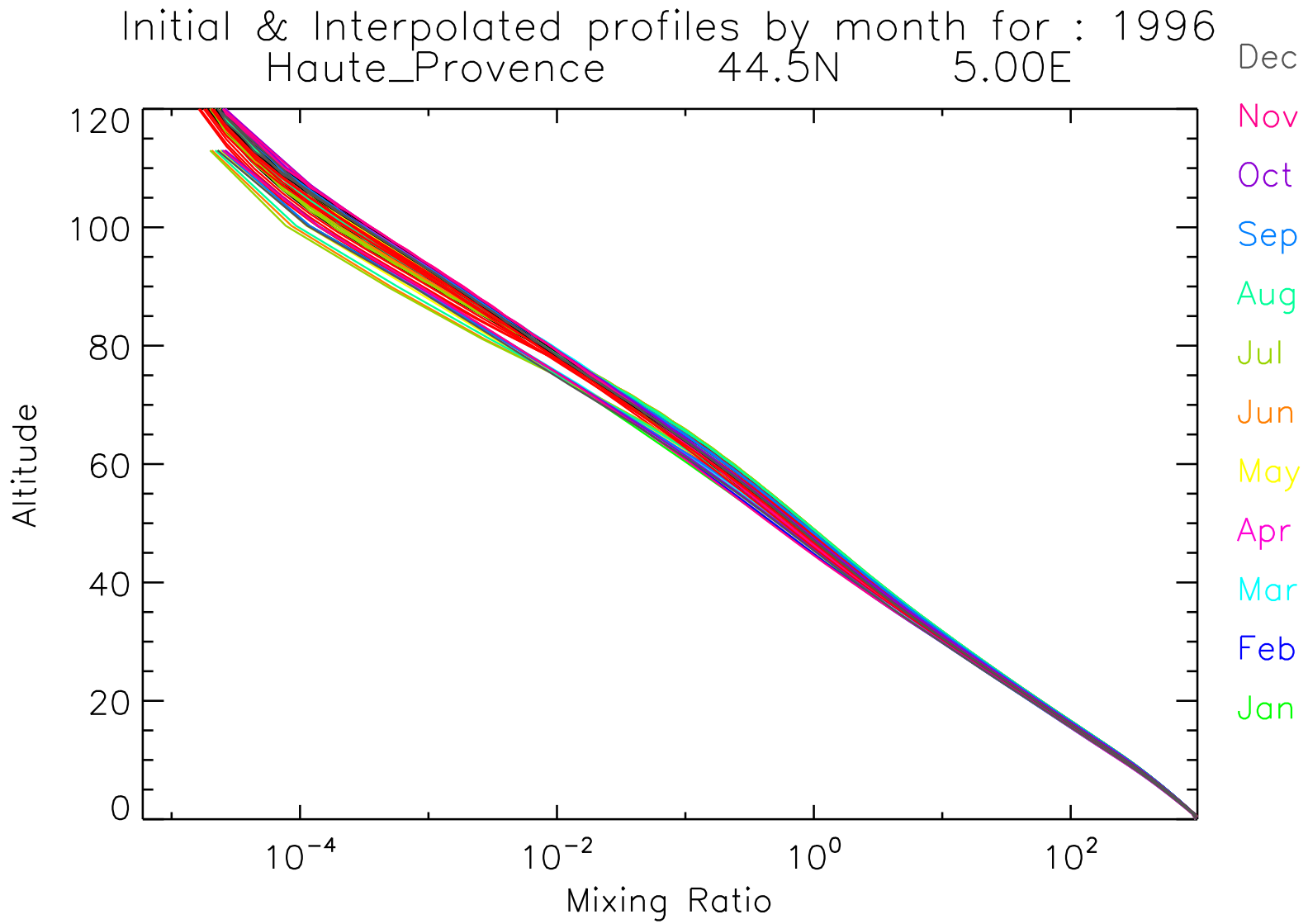
Initial & Interpolated profiles by month for : 1996
Haute_Provence 44.5N 5.00E
Altitude
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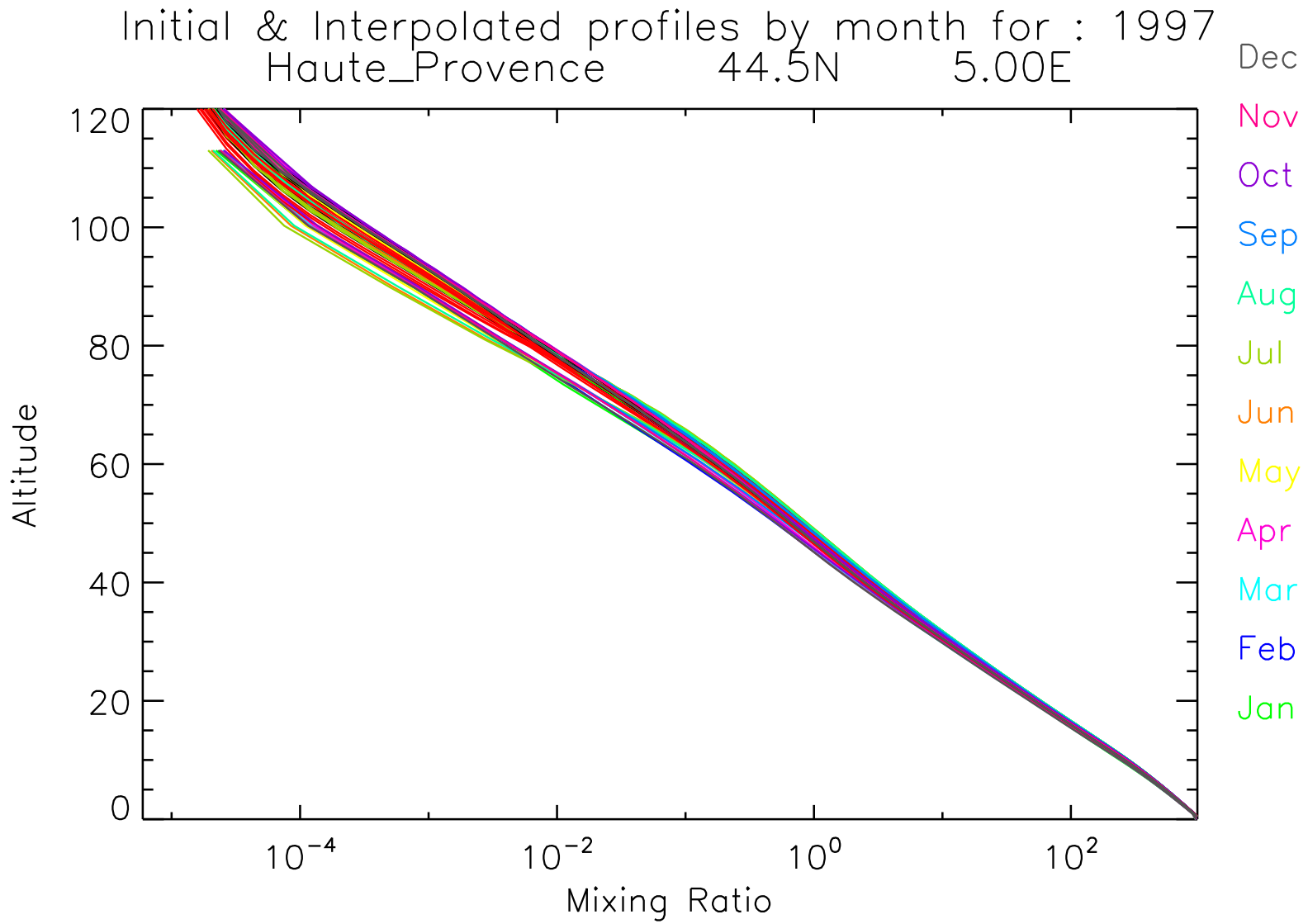
Initial & Interpolated profiles by month for : 1997
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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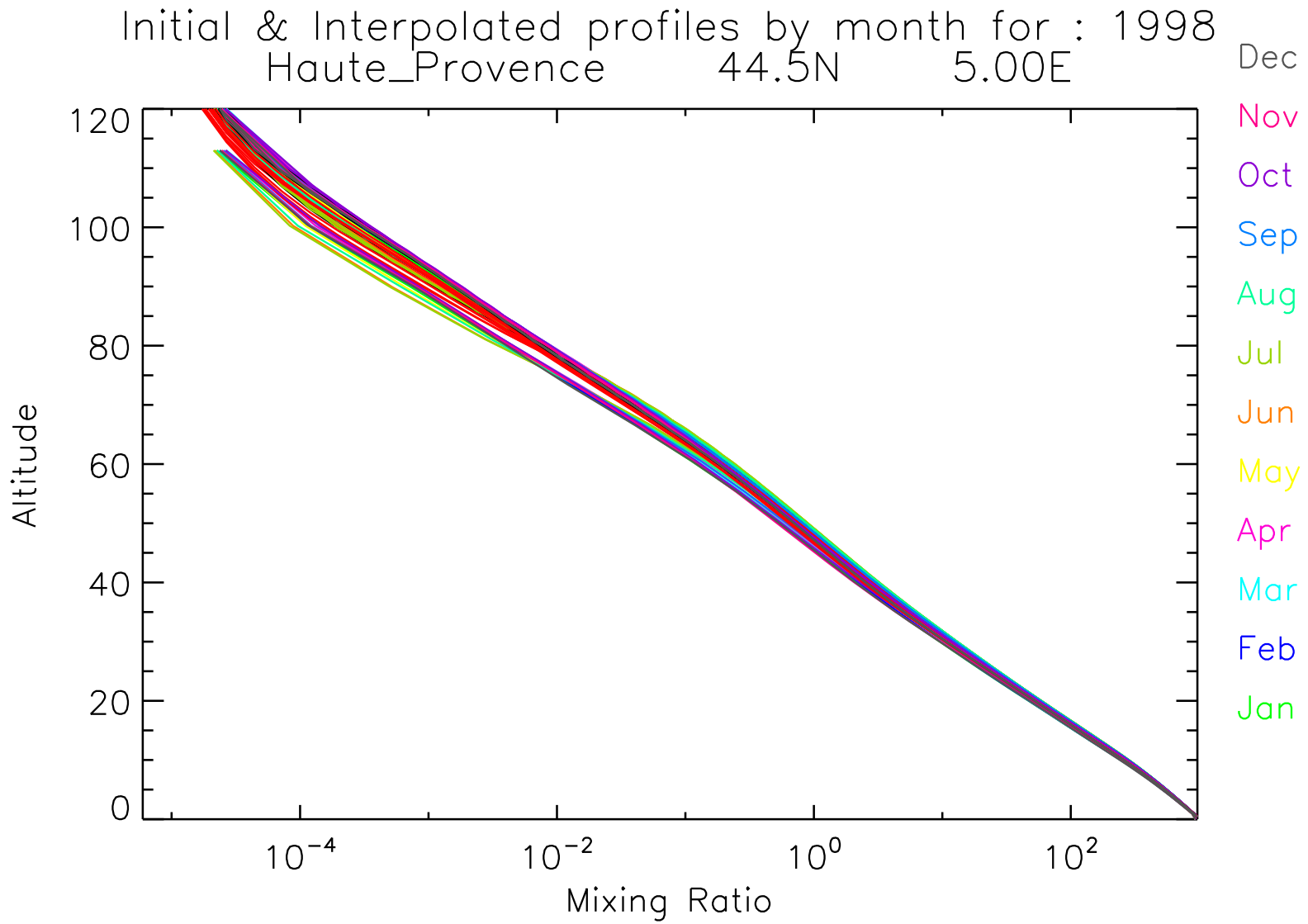
Initial & Interpolated profiles by month for : 1998
Haute_Provence 44.5N 5.00E
Altitude
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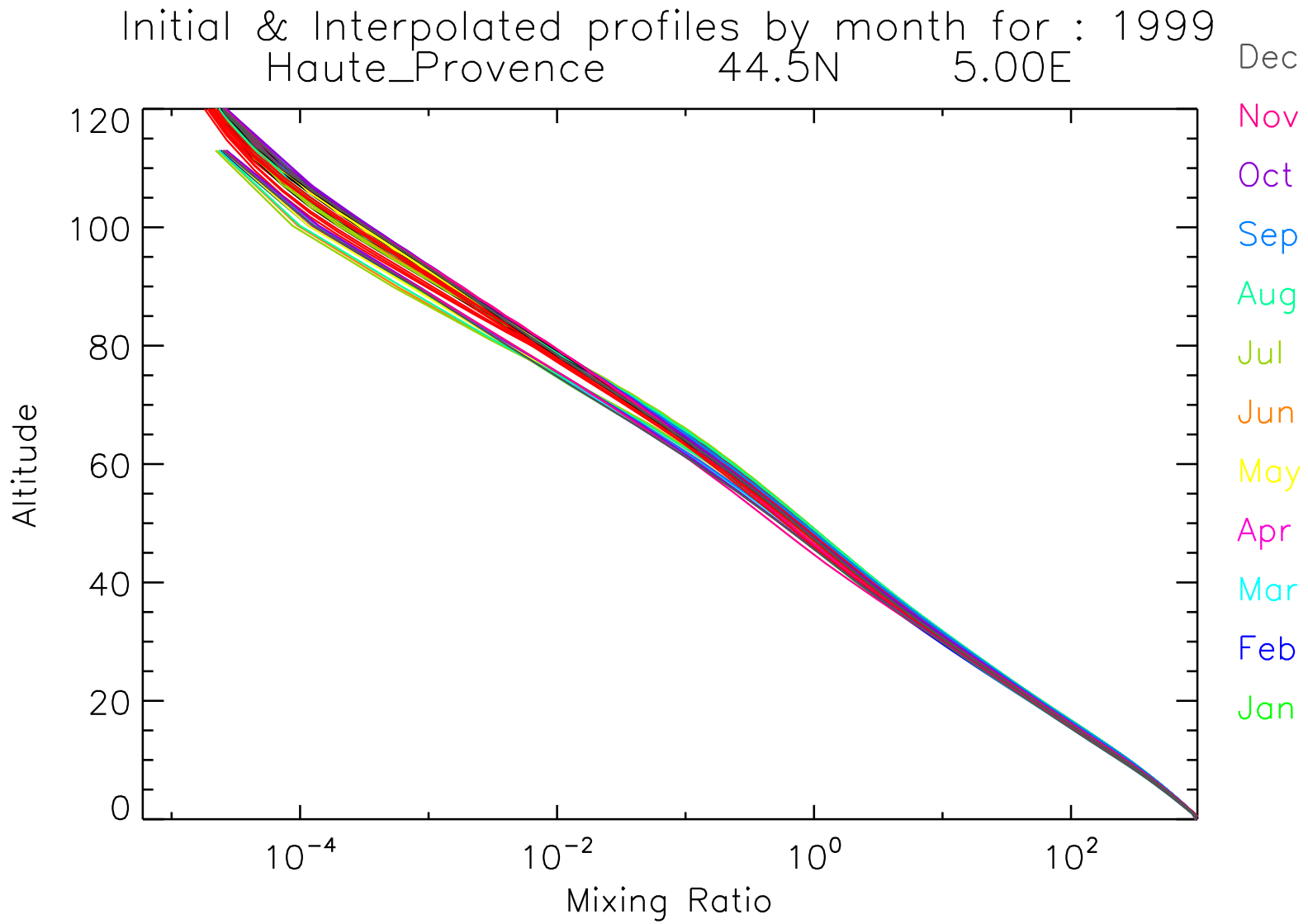
Initial & Interpolated profiles by month for : 1999
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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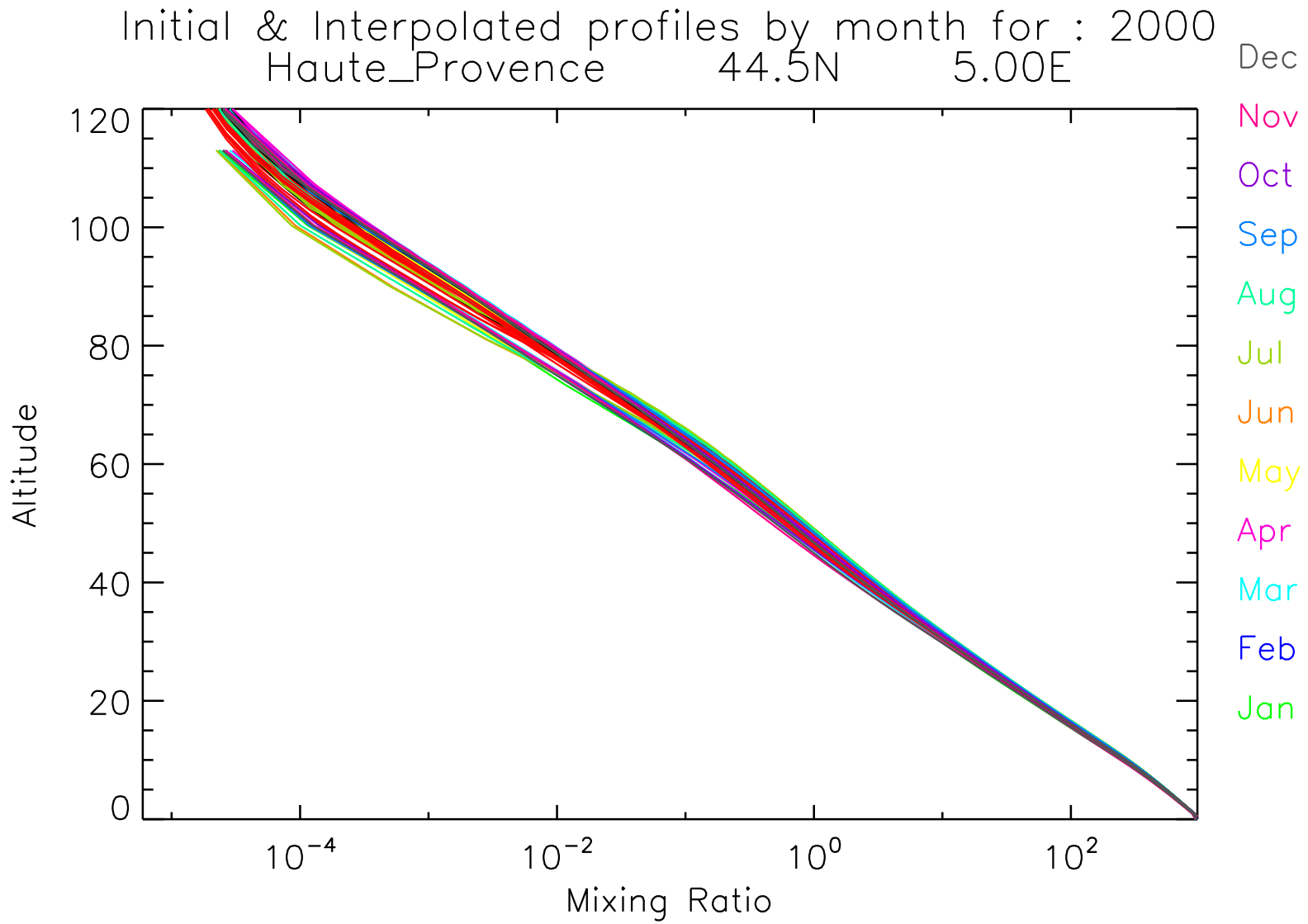
Initial & Interpolated profiles by month for : 2000
Haute_Provence 44.5N 5.00E
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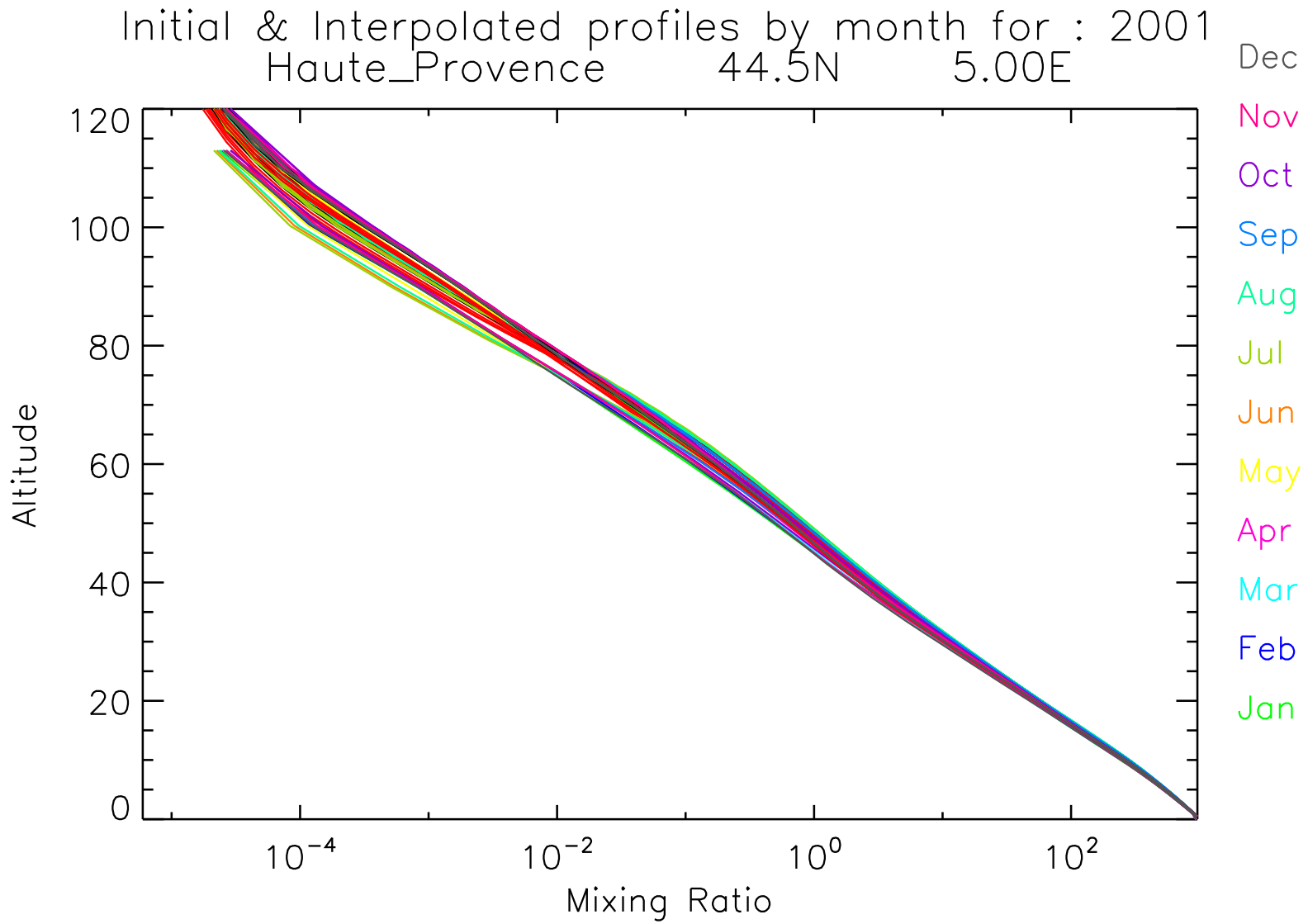
10^{2}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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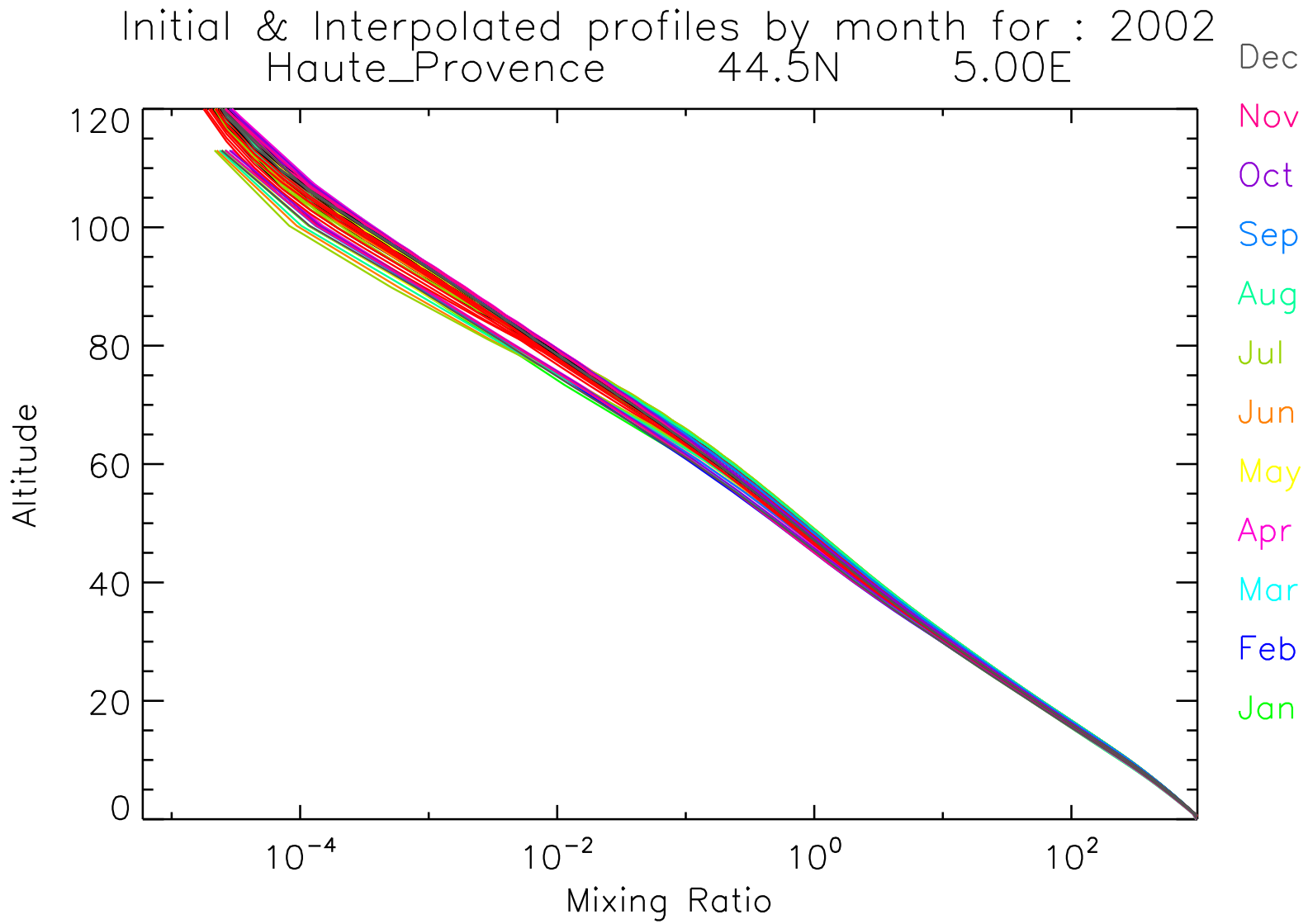
Initial & Interpolated profiles by month for : 2002
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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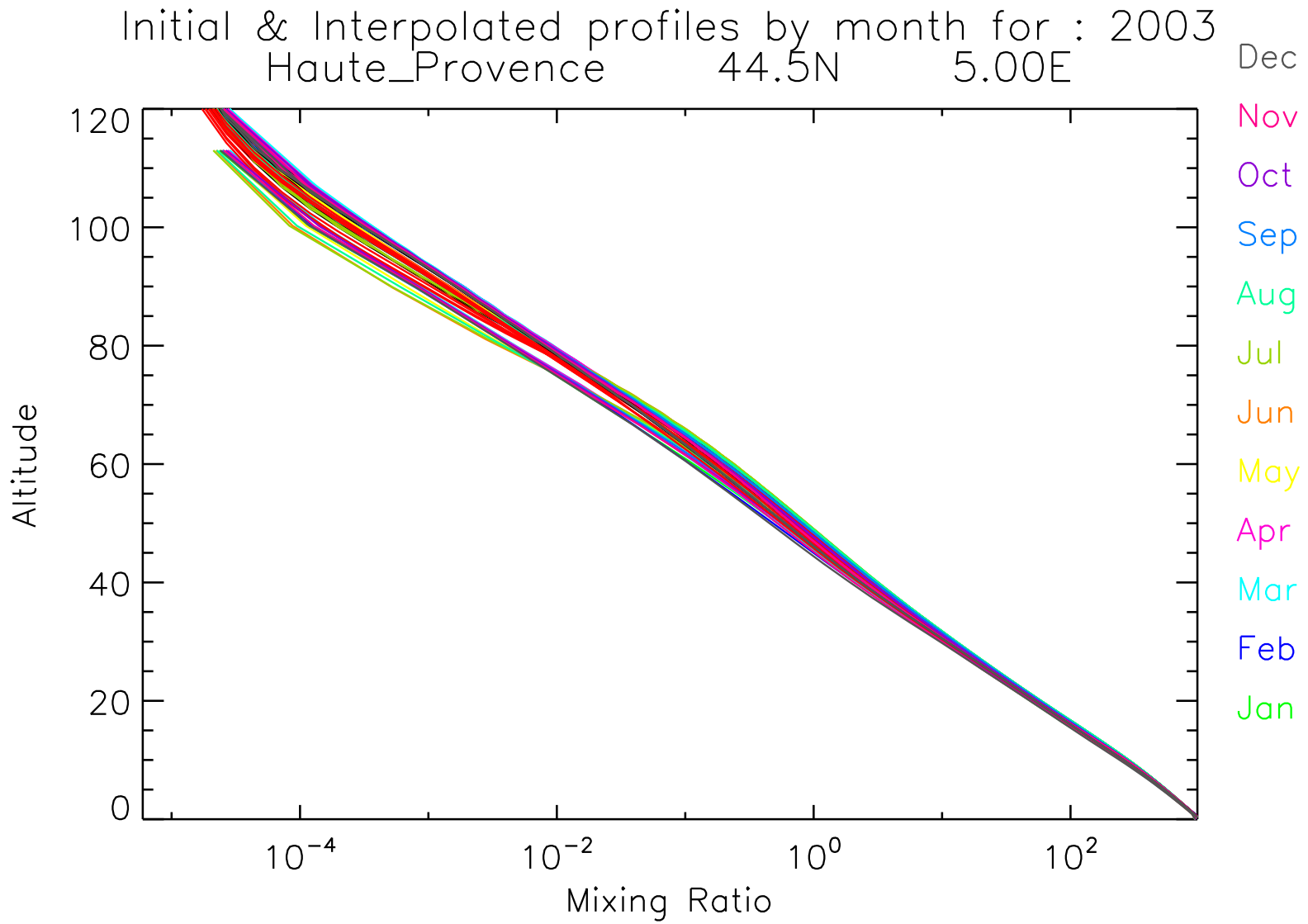
Initial & Interpolated profiles by month for : 2003
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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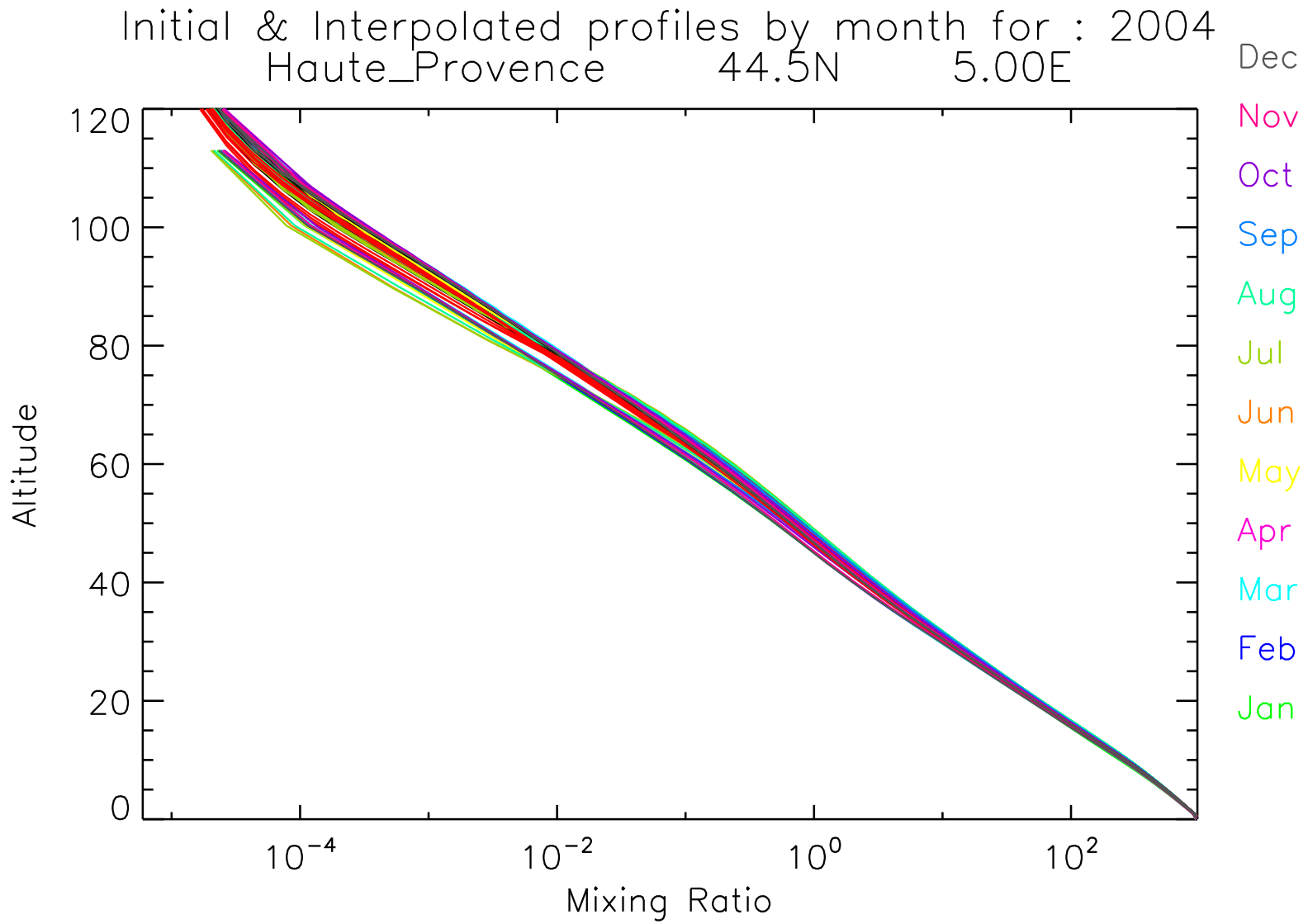
Initial & Interpolated profiles by month for : 2004
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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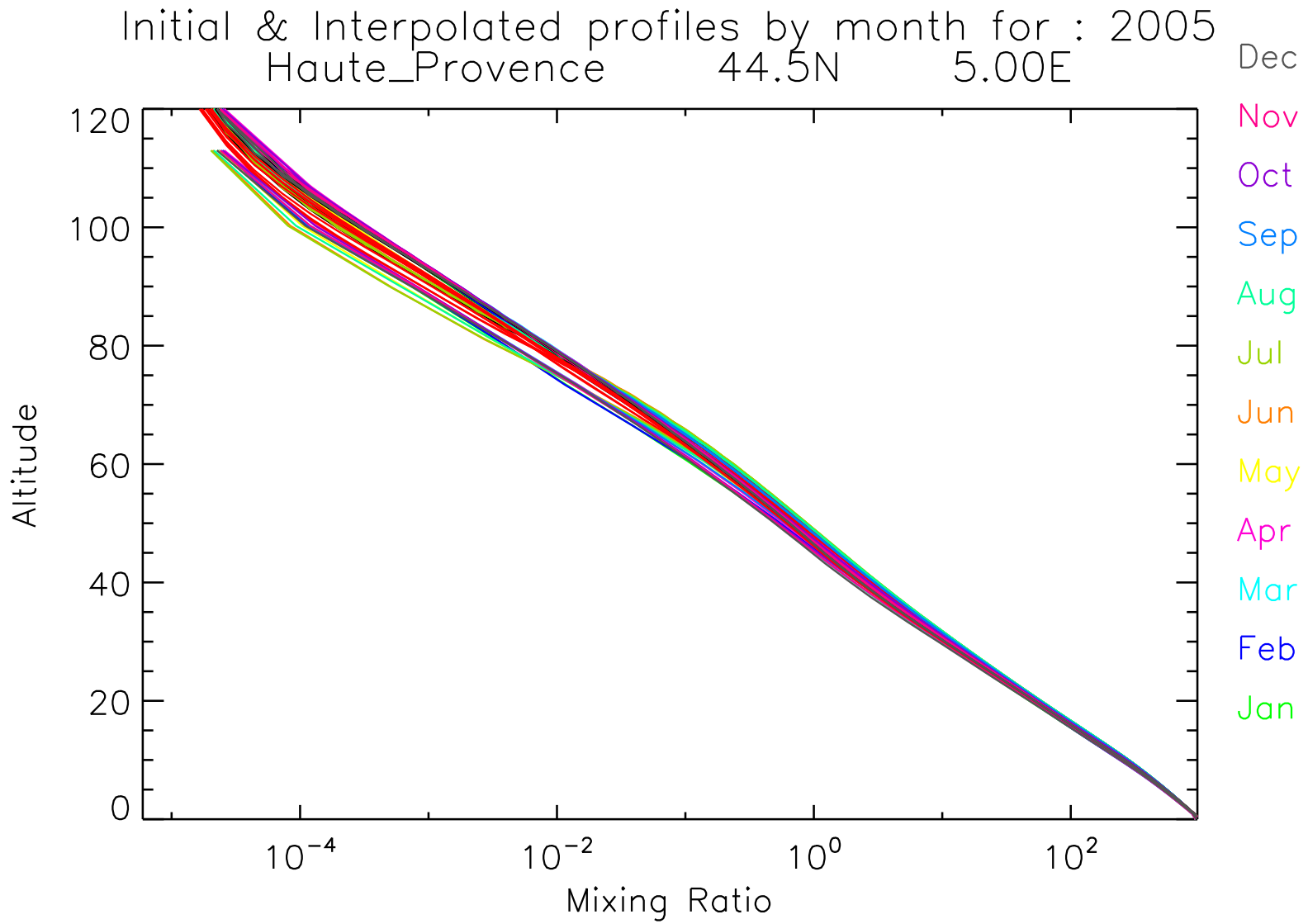
Initial & Interpolated profiles by month for : 2005
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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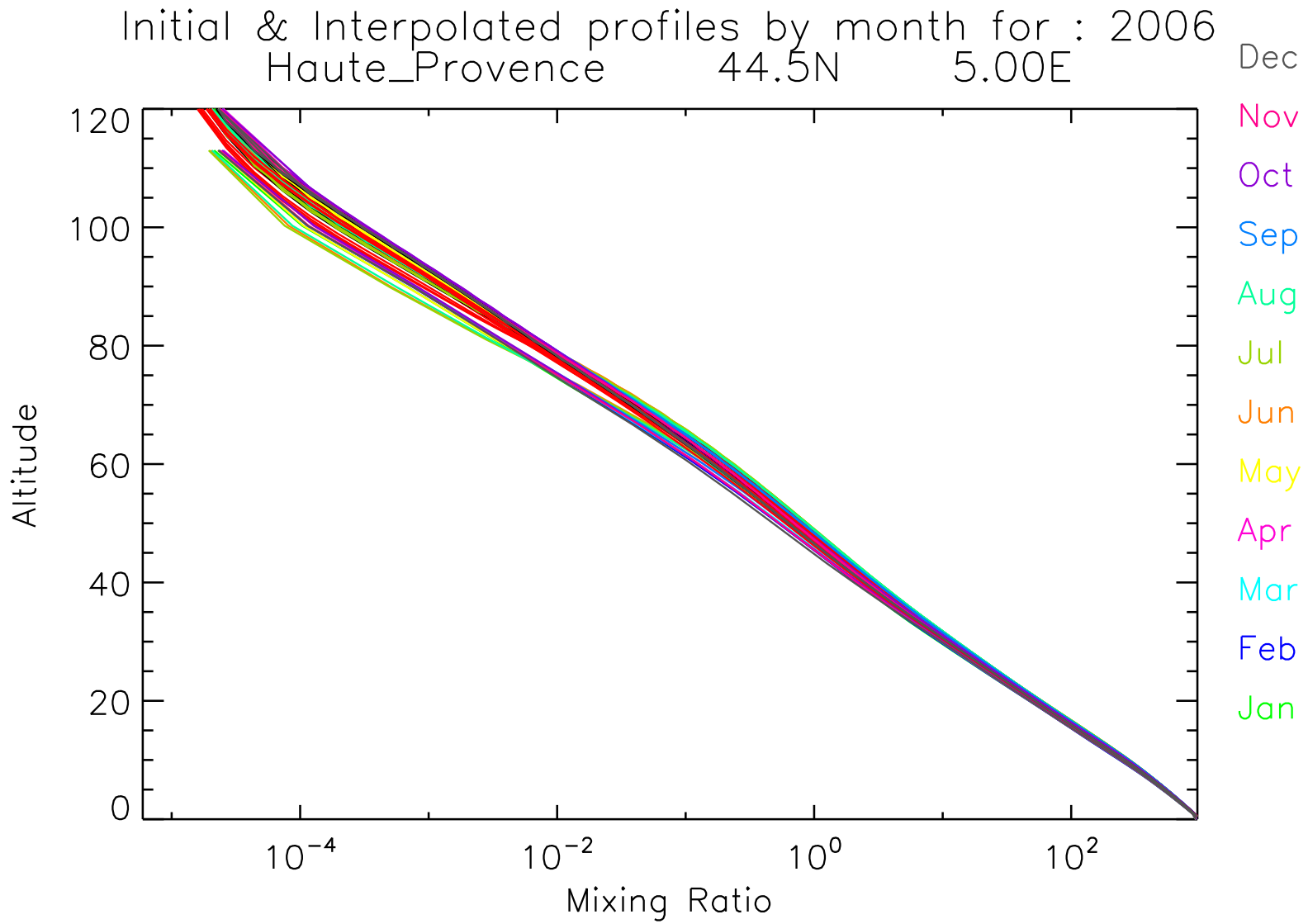
Initial & Interpolated profiles by month for : 2006
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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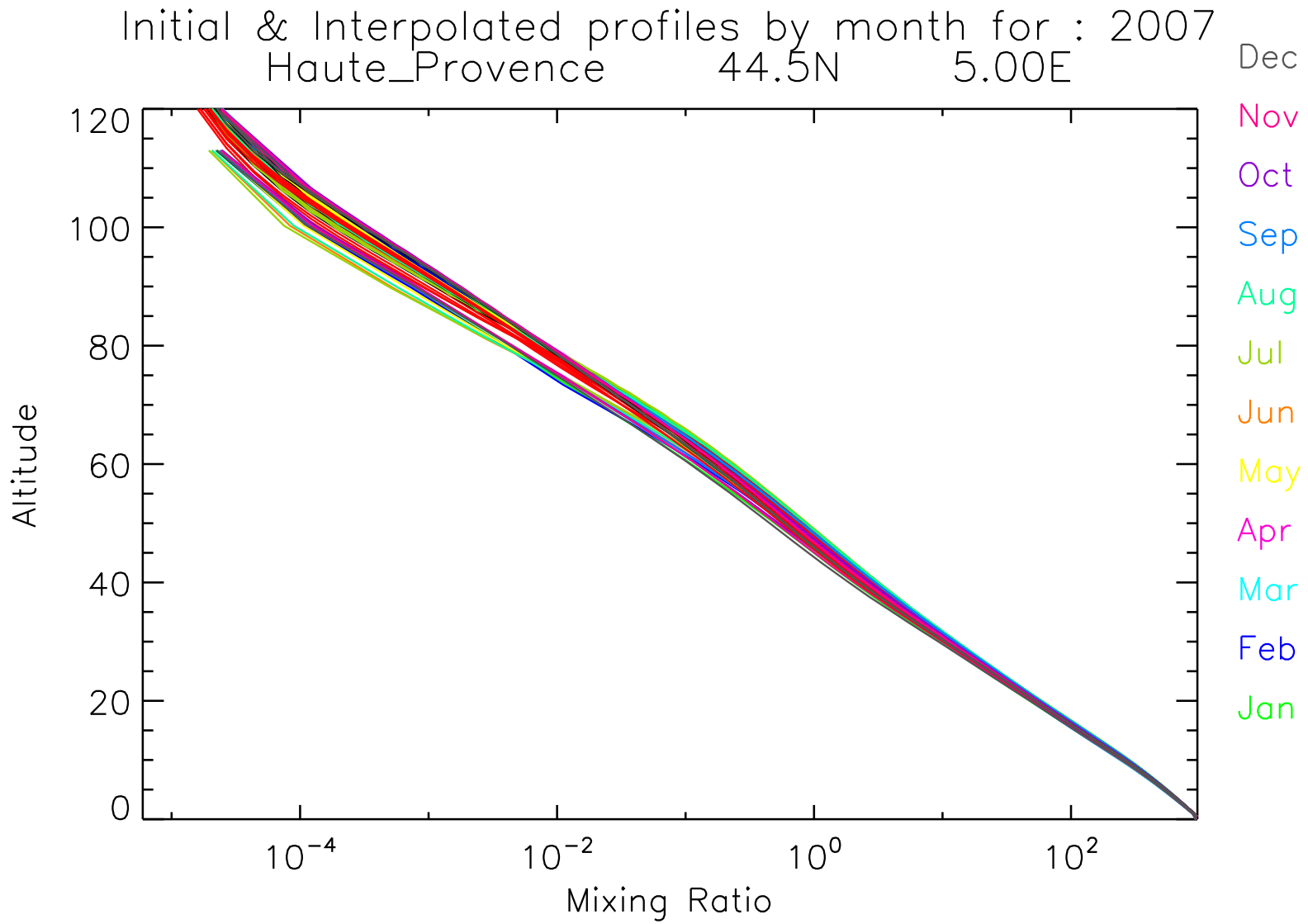
Initial & Interpolated profiles by month for : 2007
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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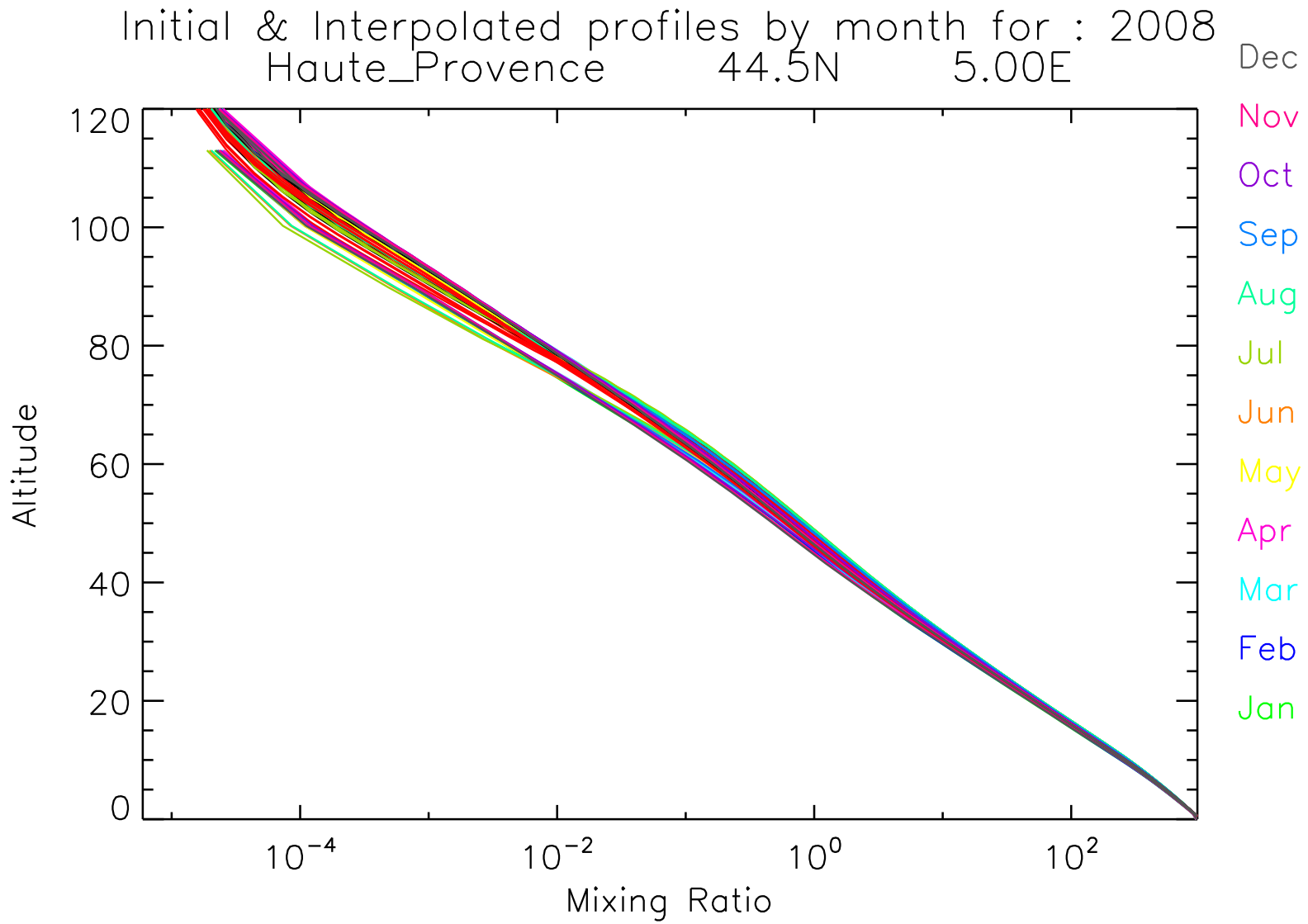
Initial & Interpolated profiles by month for : 2008
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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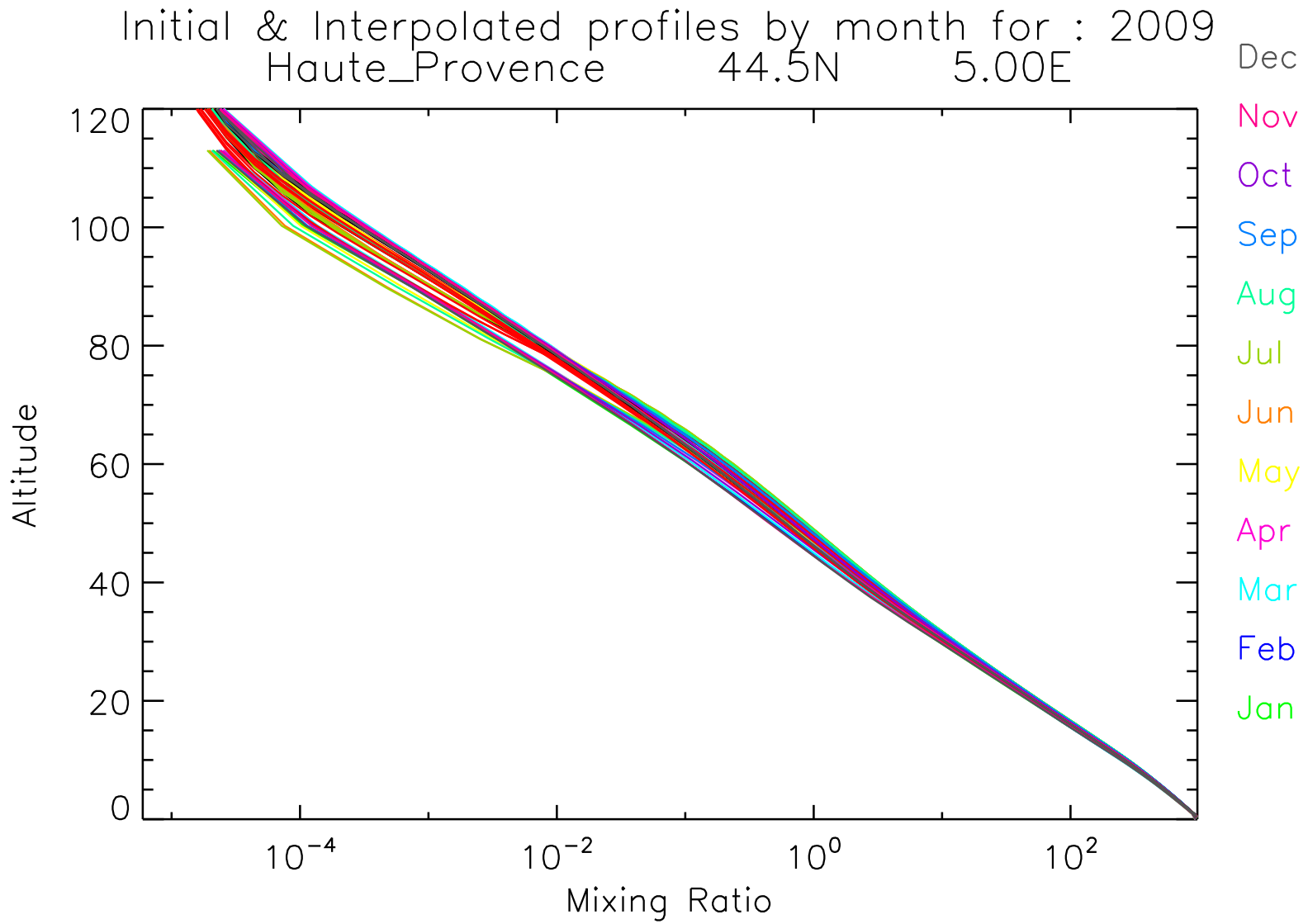
Initial & Interpolated profiles by month for : 2009
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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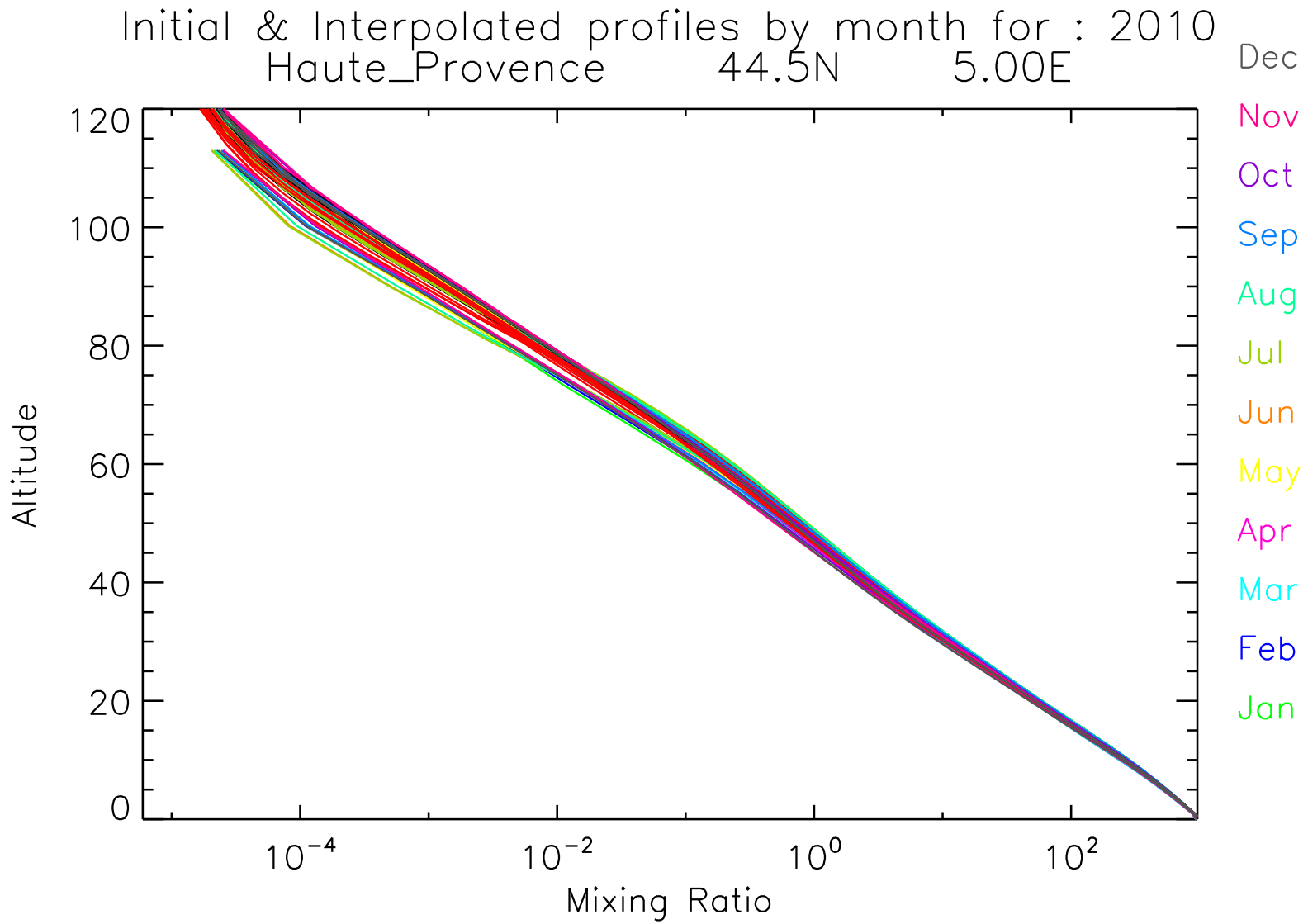
Initial & Interpolated profiles by month for : 2010
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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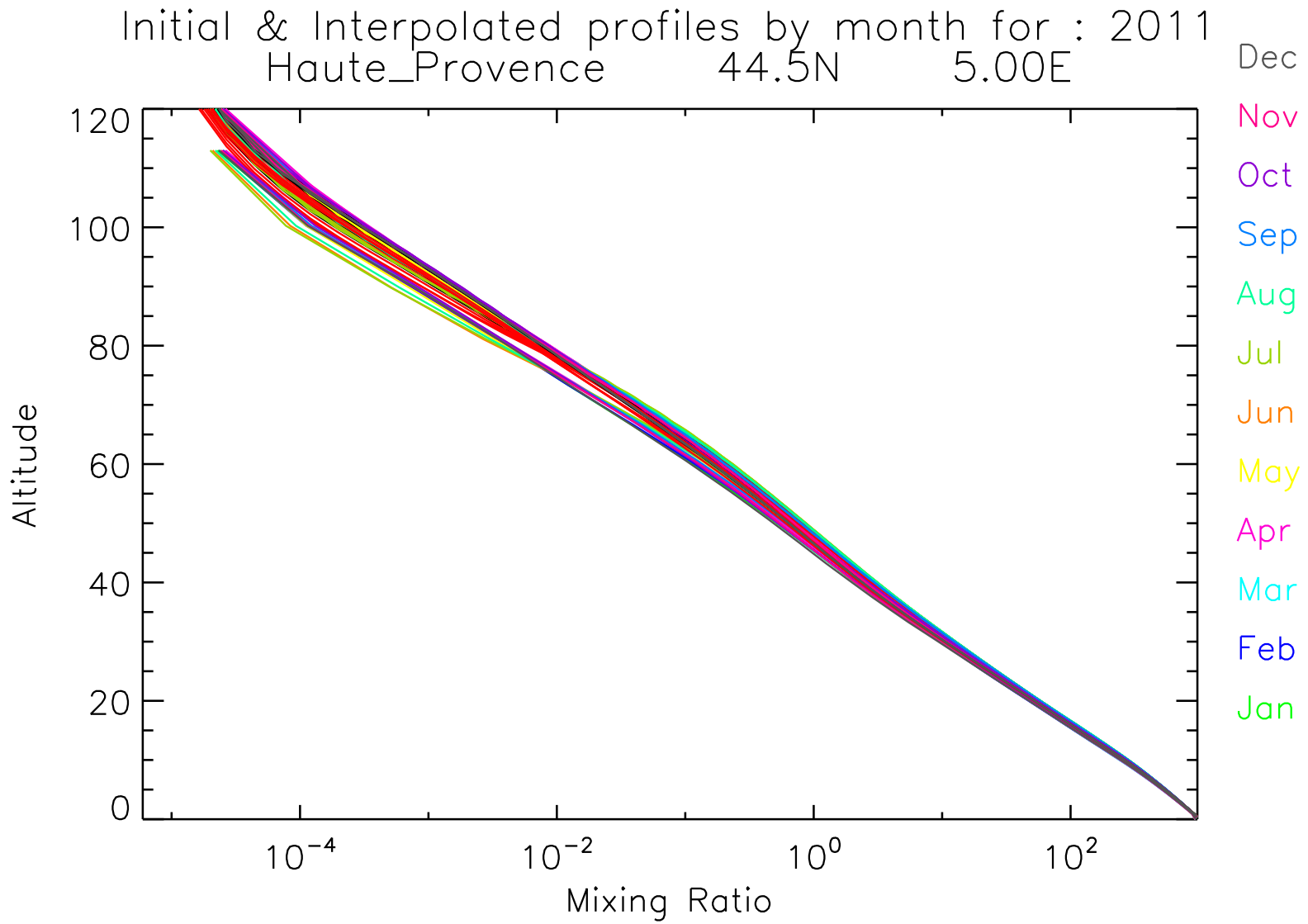
Initial & Interpolated profiles by month for : 2011
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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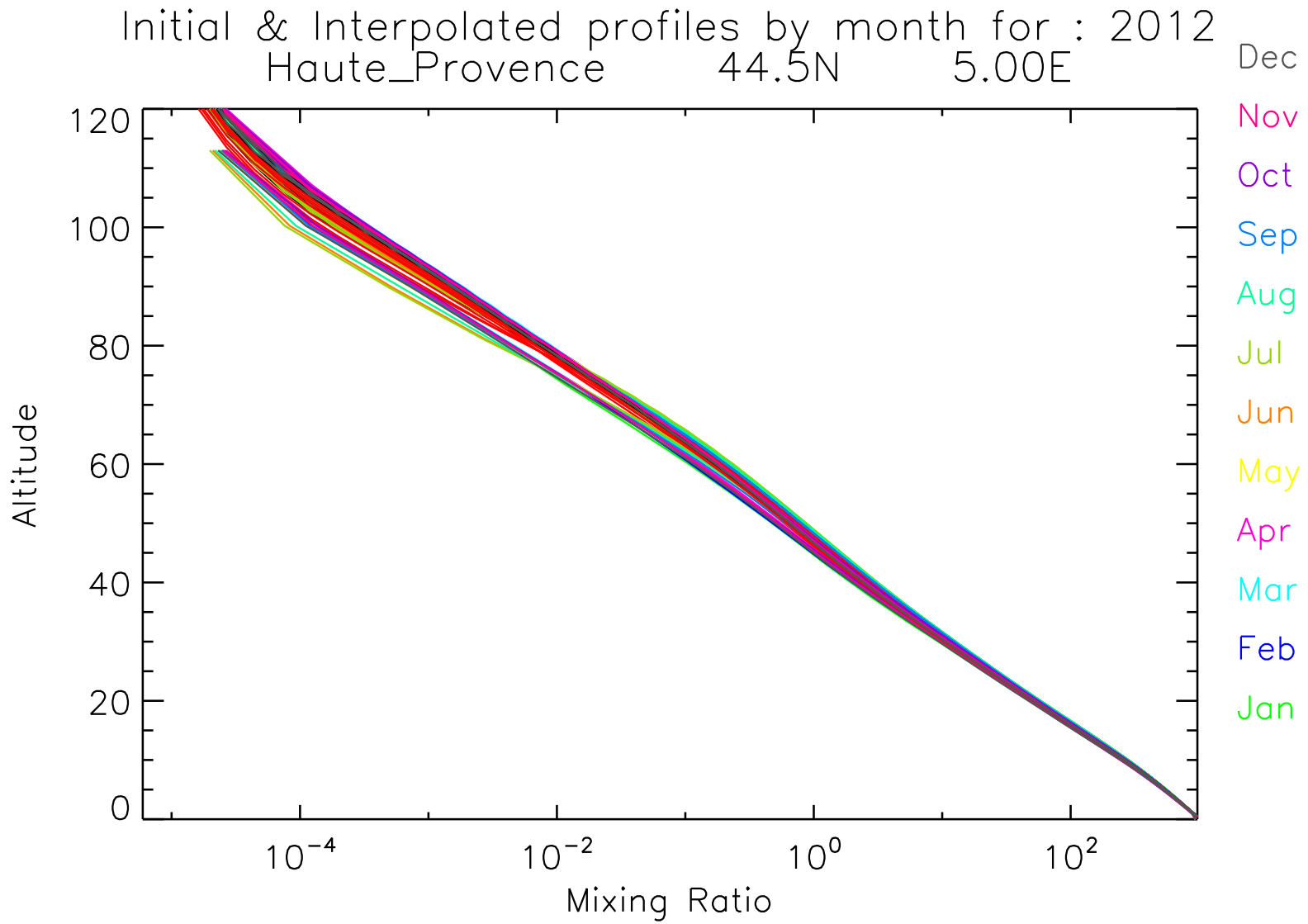
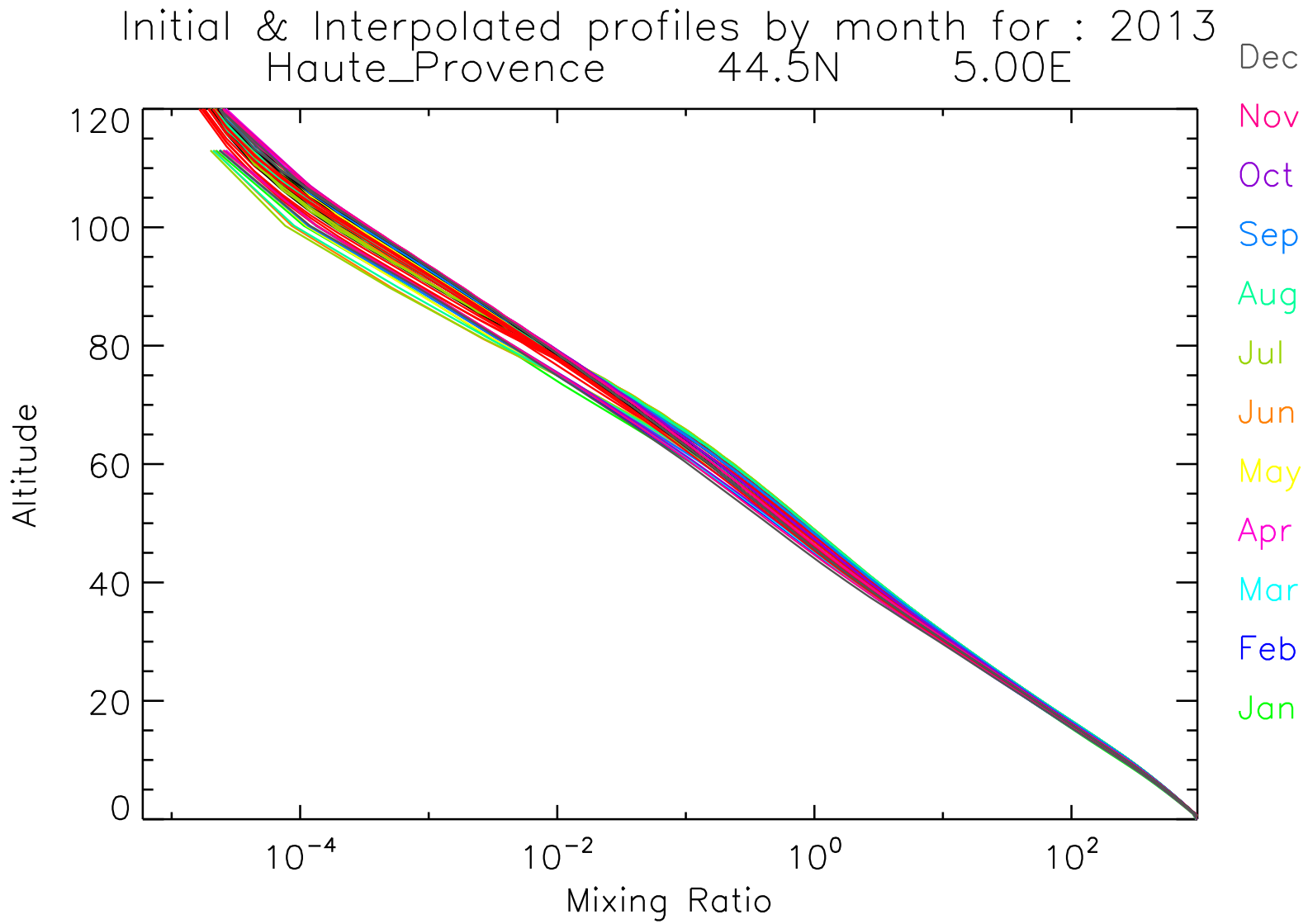
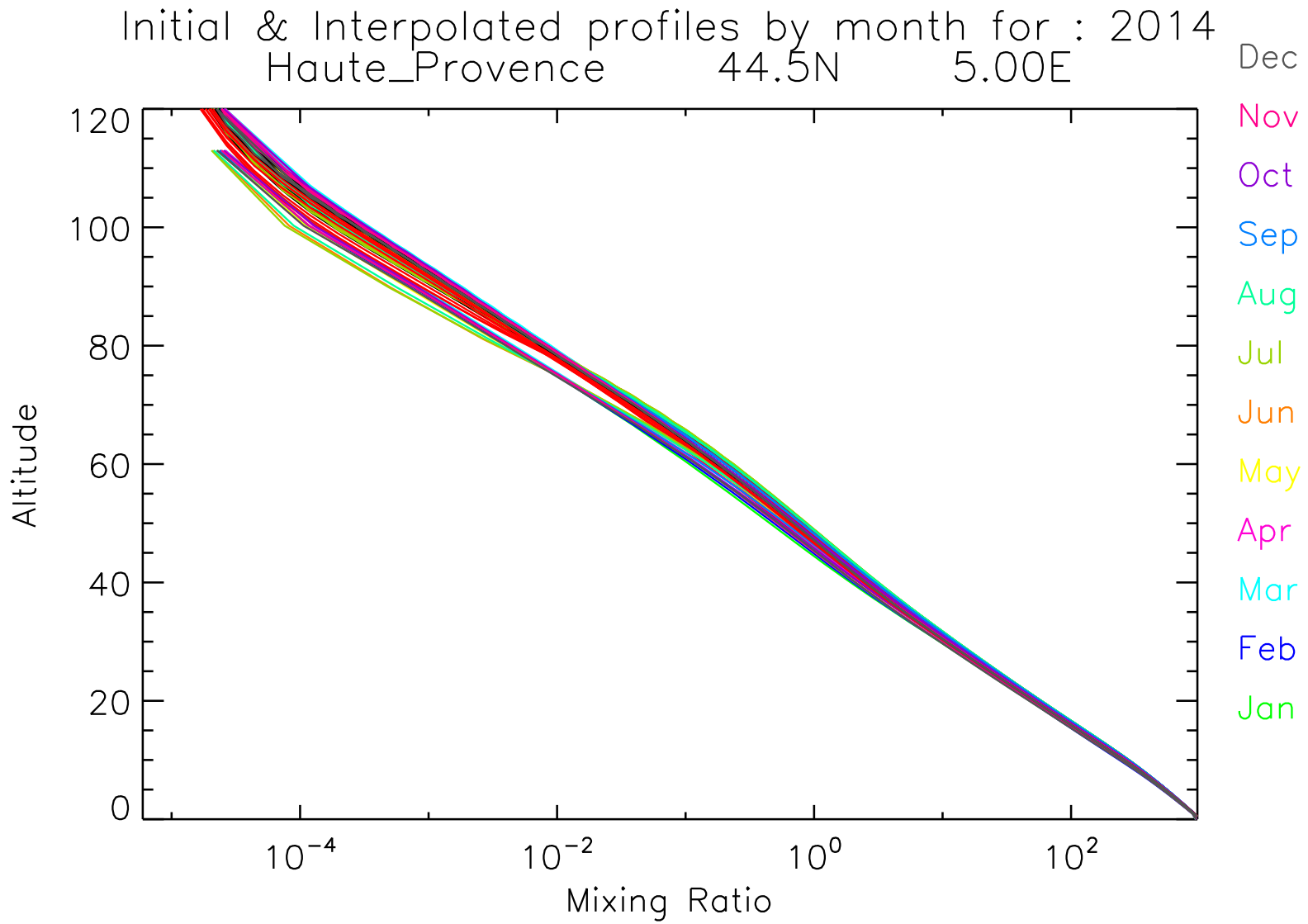
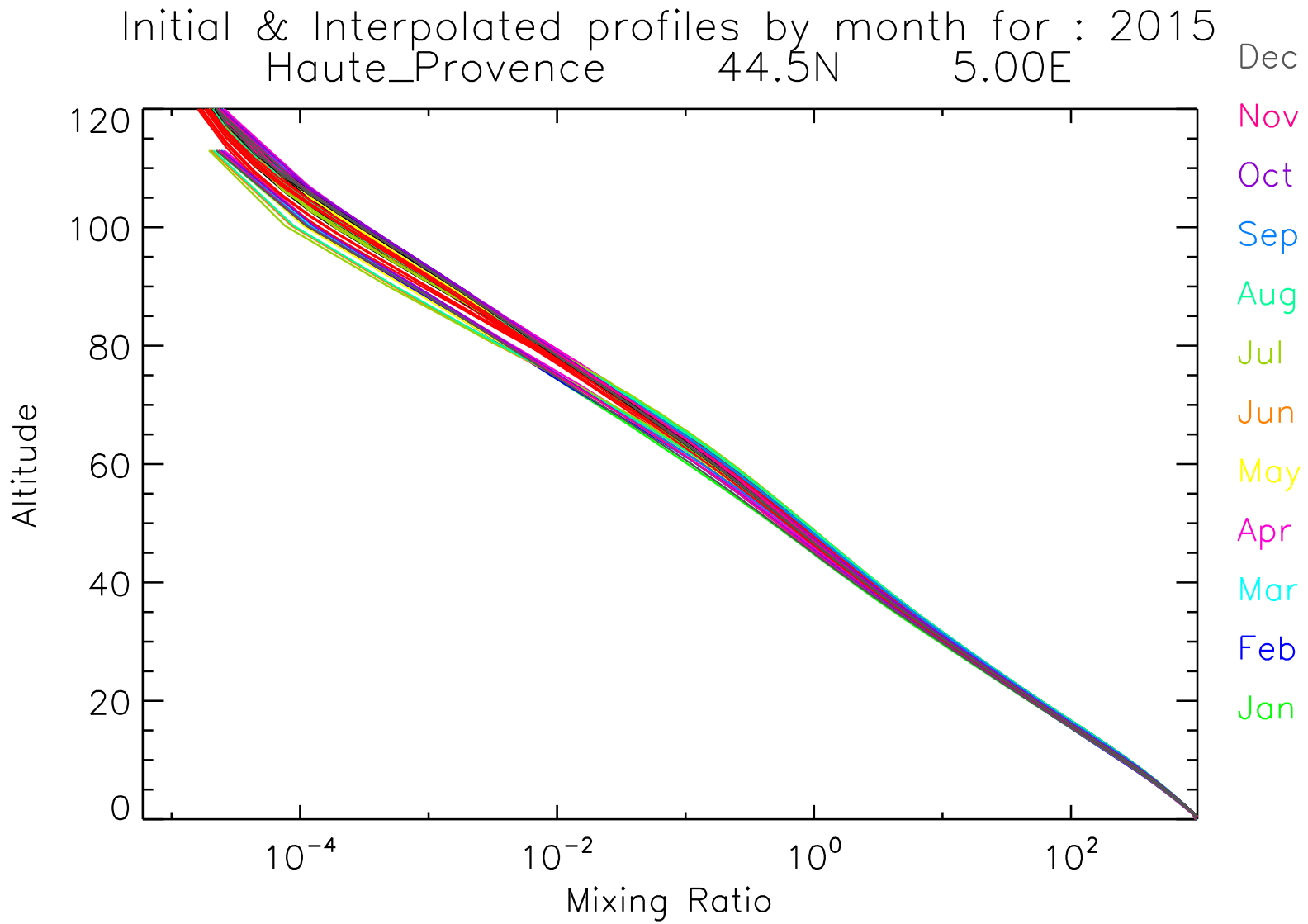
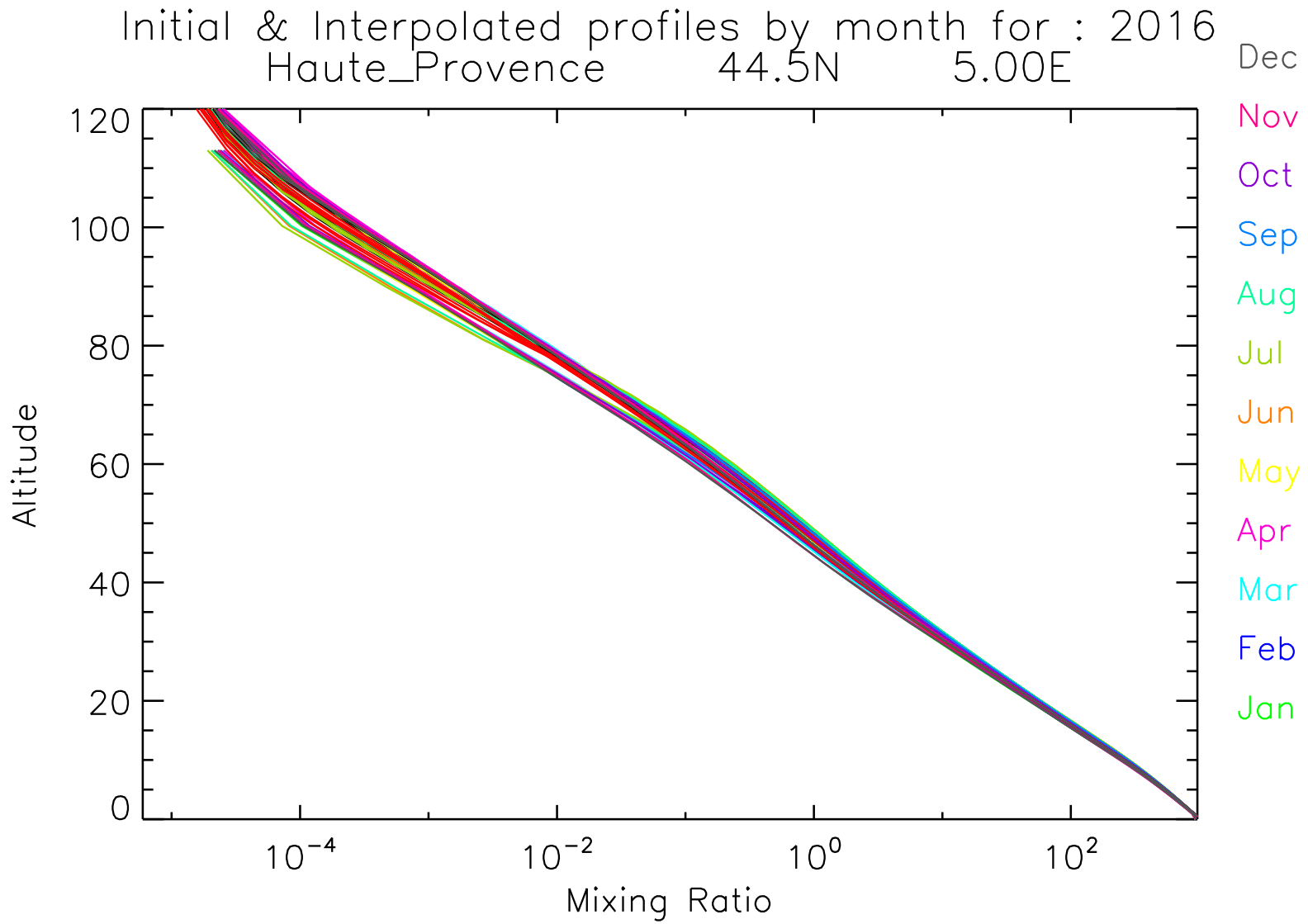
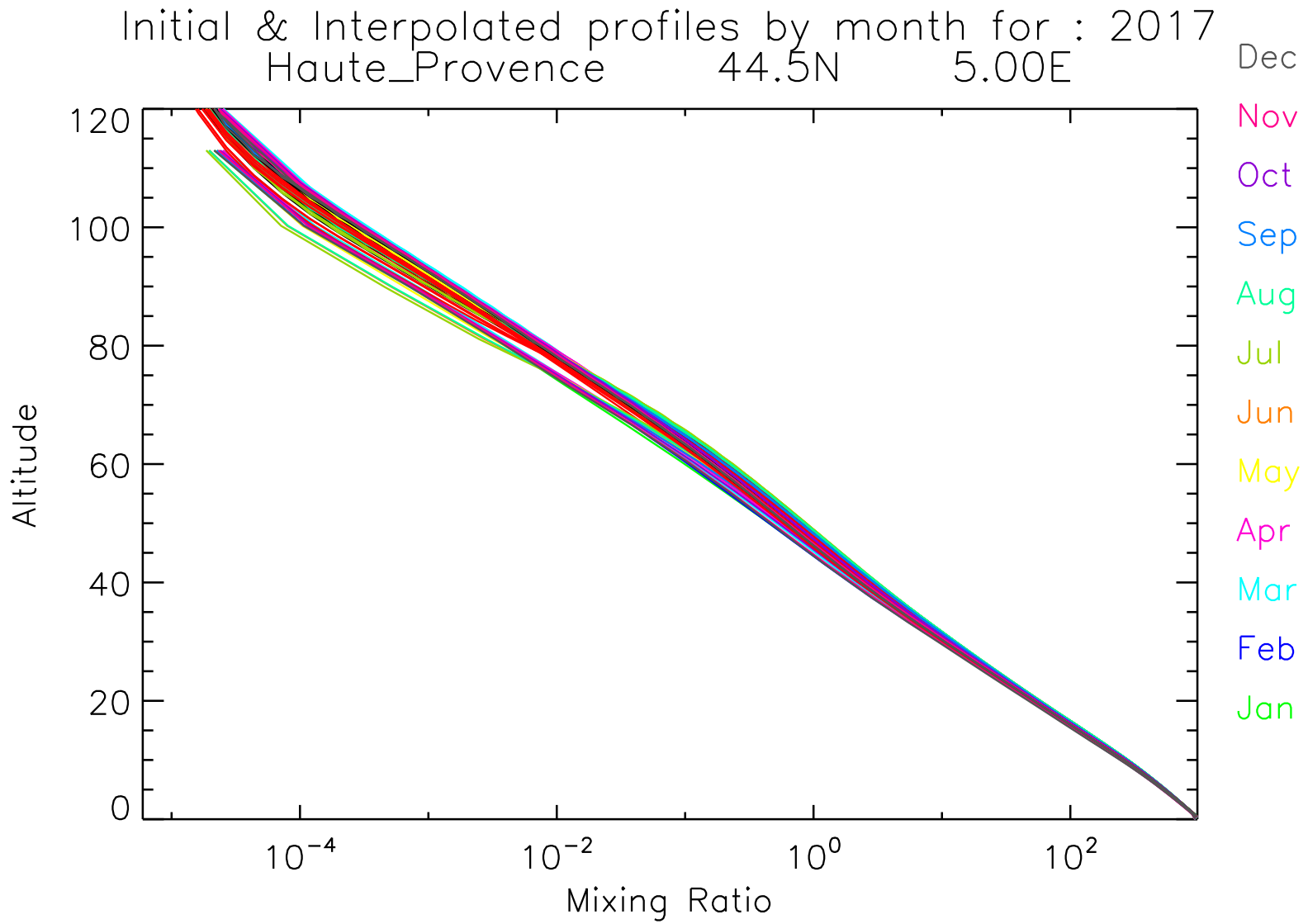

Initial & Interpolated profiles by month for : 2012
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

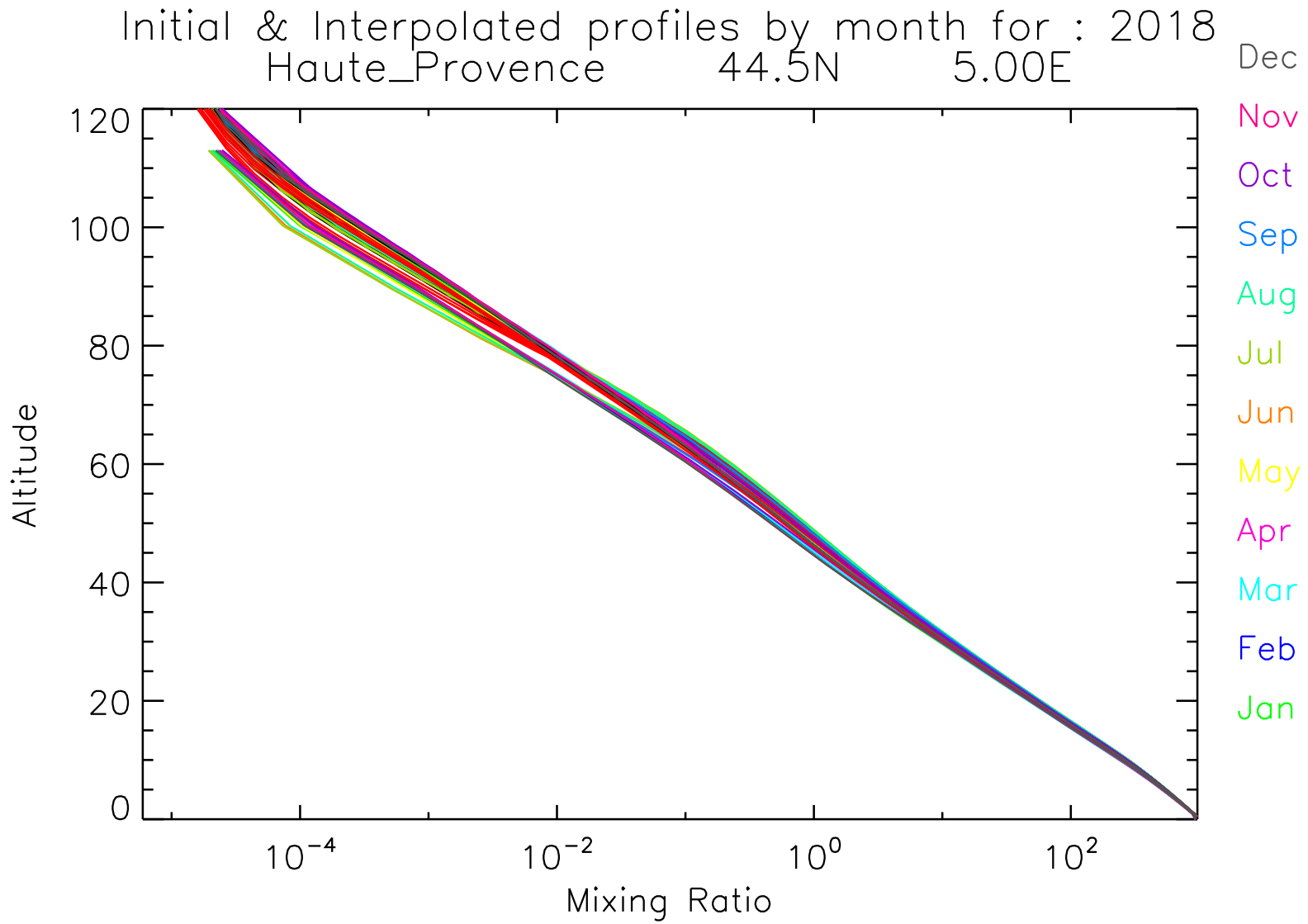

Initial & Interpolated profiles by month for : 2013
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

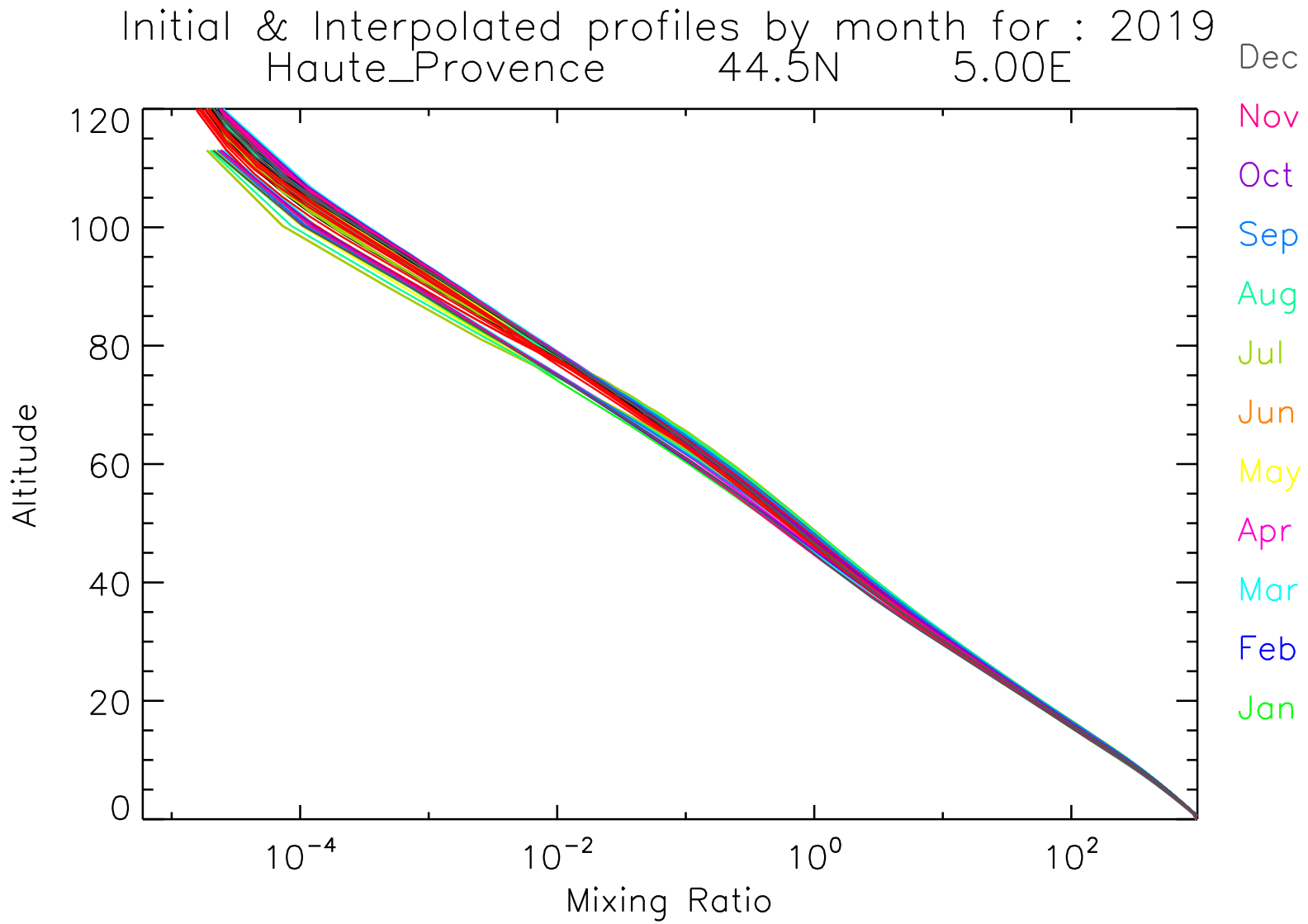

Initial & Interpolated profiles by month for : 2014
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

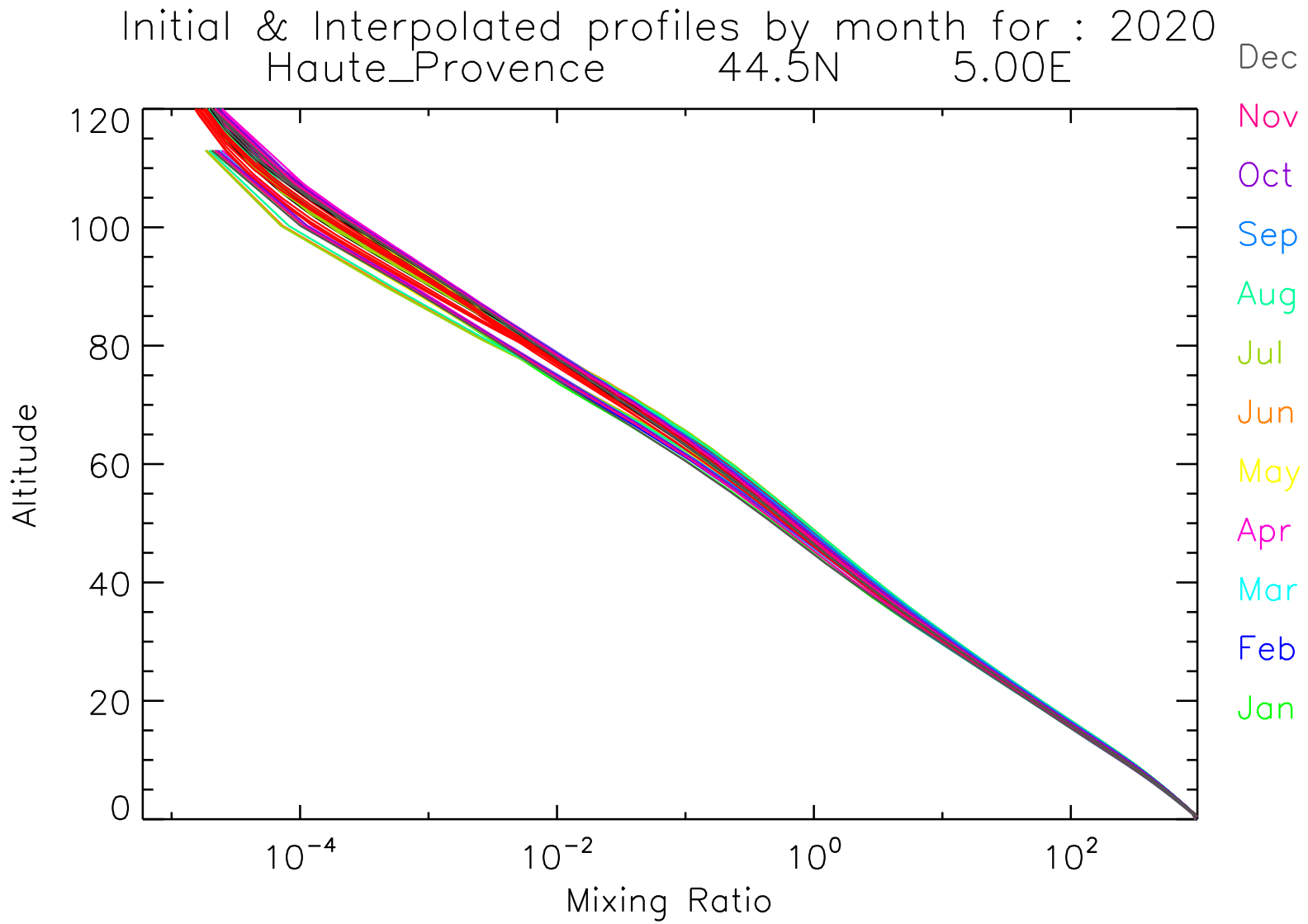

Initial & Interpolated profiles by month for : 2015
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

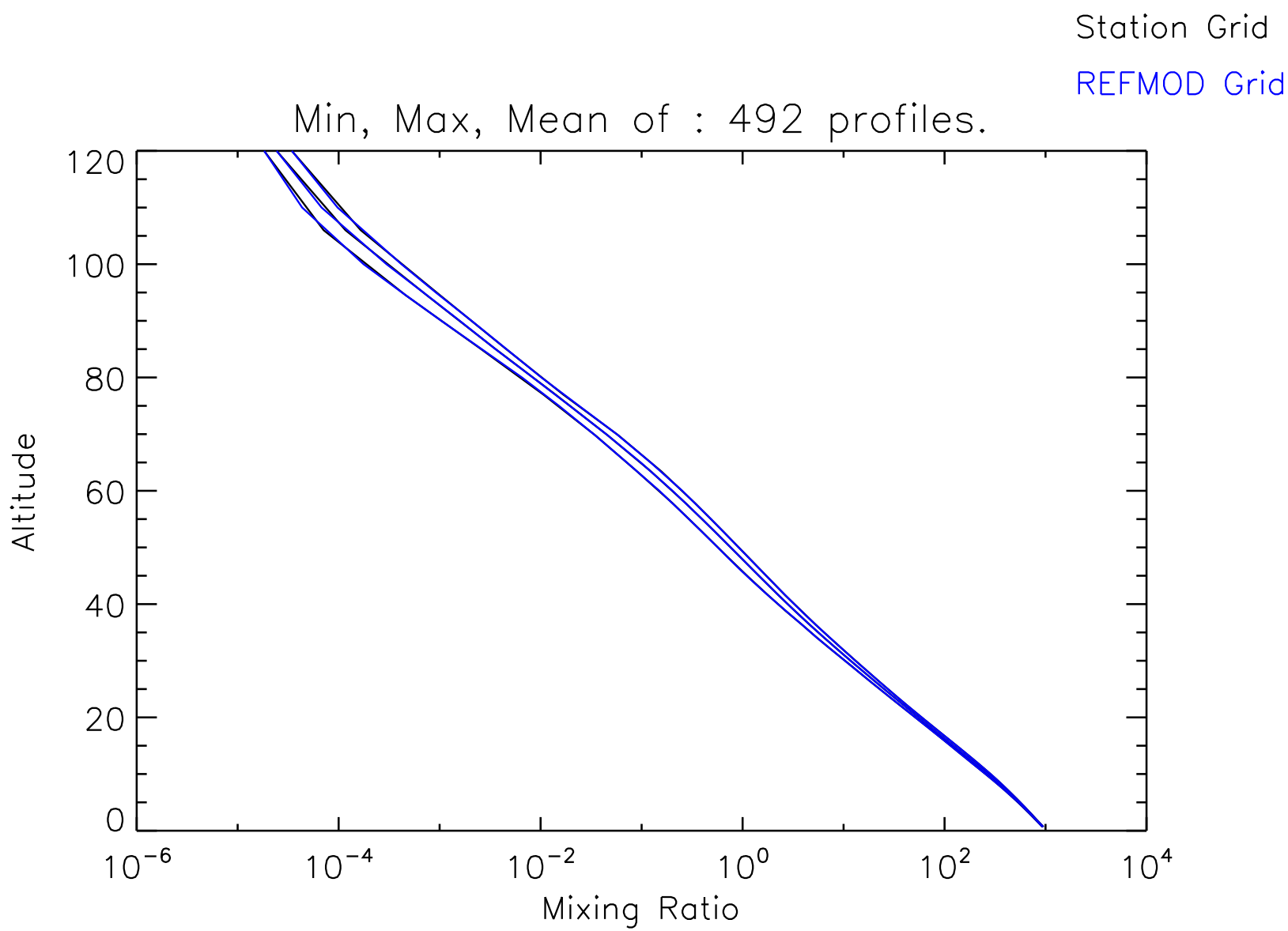

Initial & Interpolated profiles by month for : 2016
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

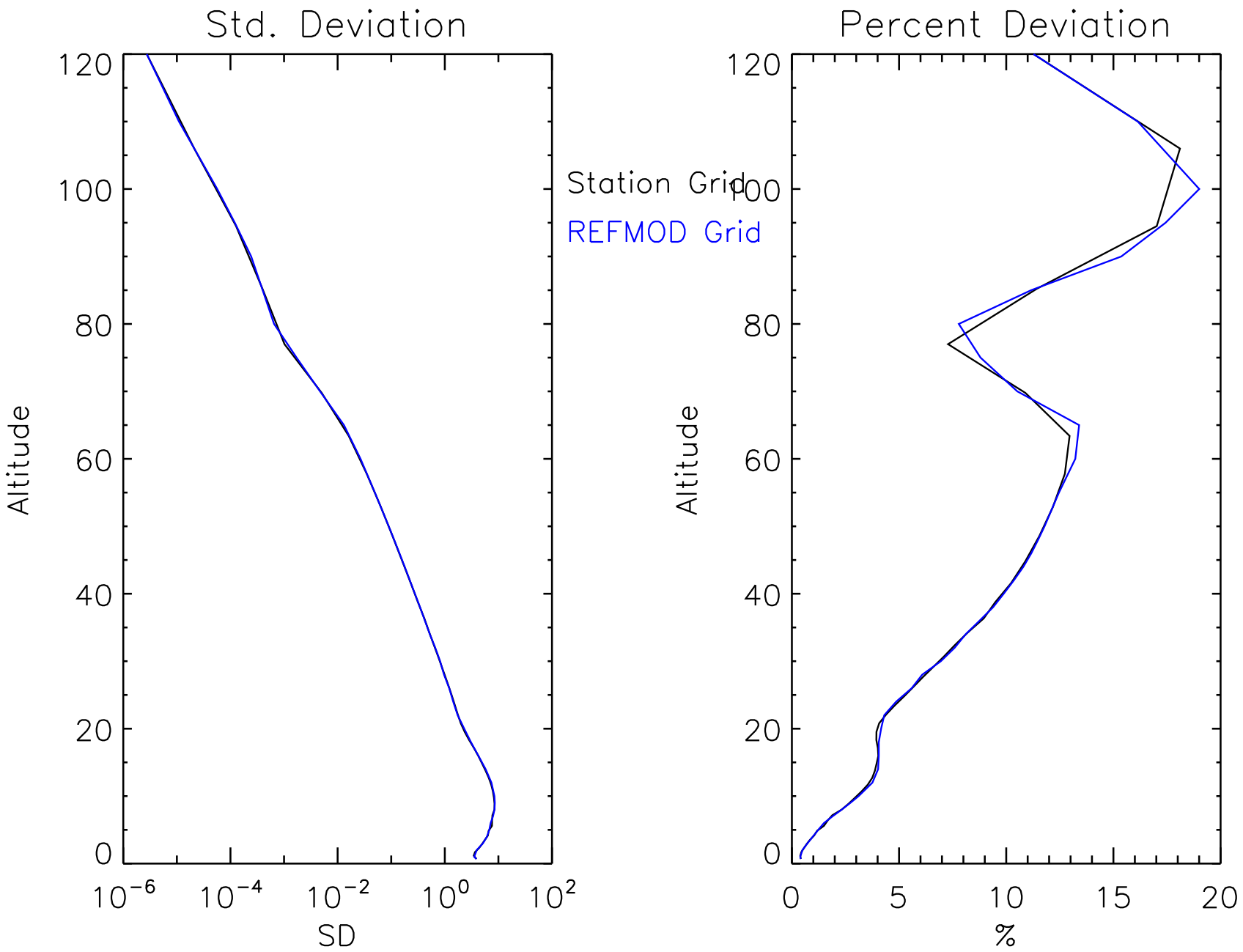

Initial & Interpolated profiles by month for : 2017
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

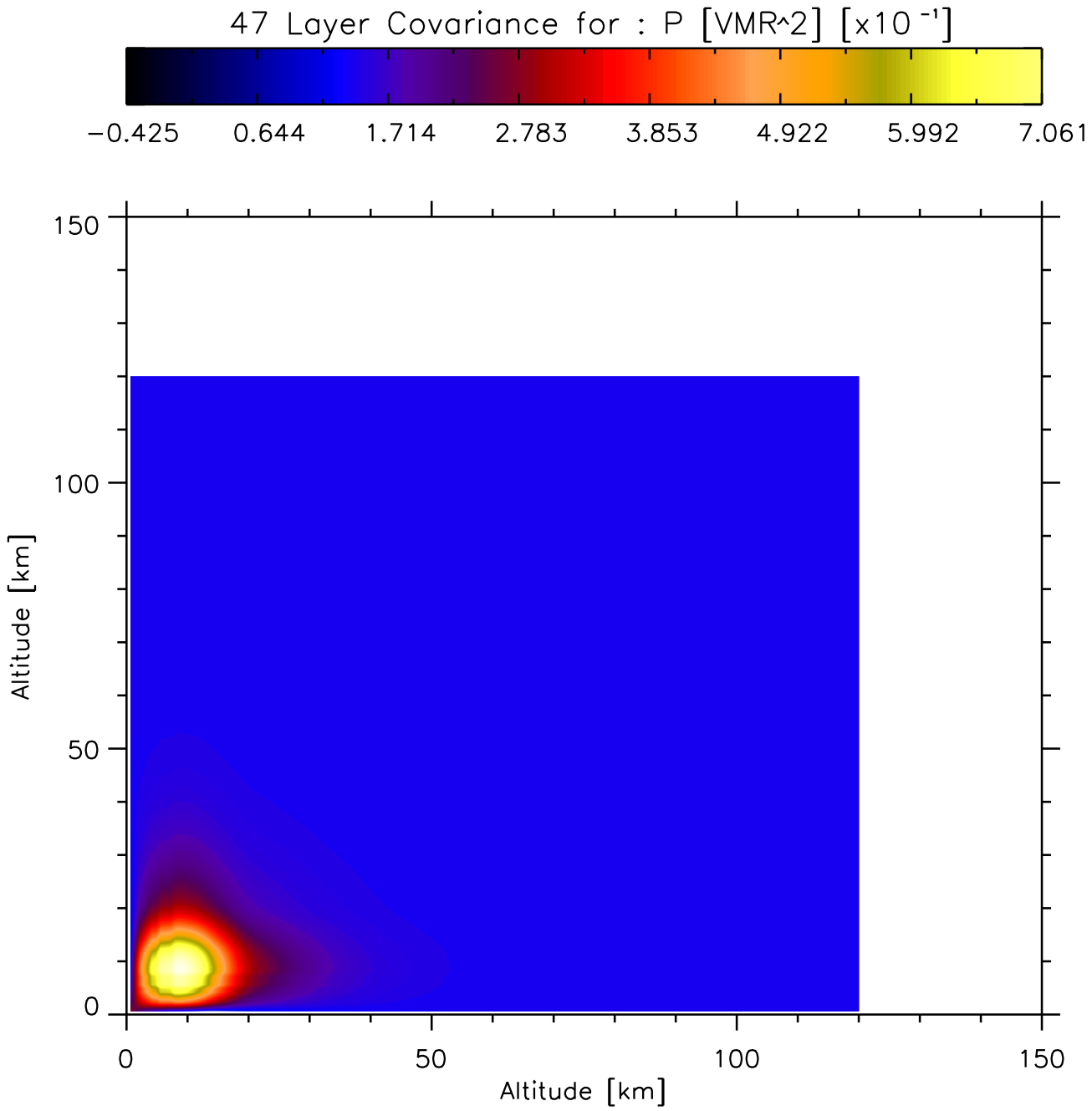

Initial & Interpolated profiles by month for : 2018
Haute_Provence 44.5N 5.00E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio

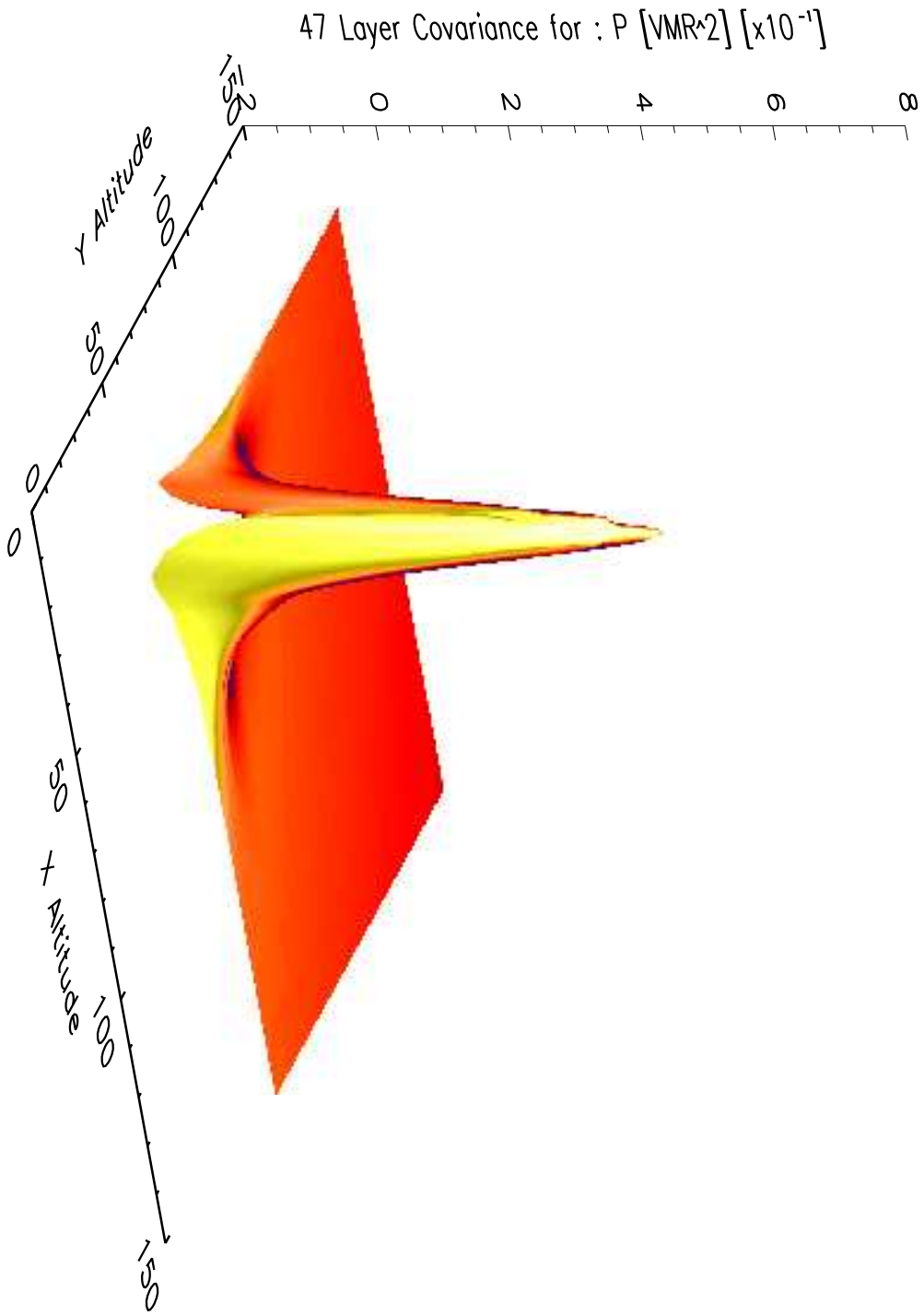

Initial & Interpolated profiles by month for : 2019
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

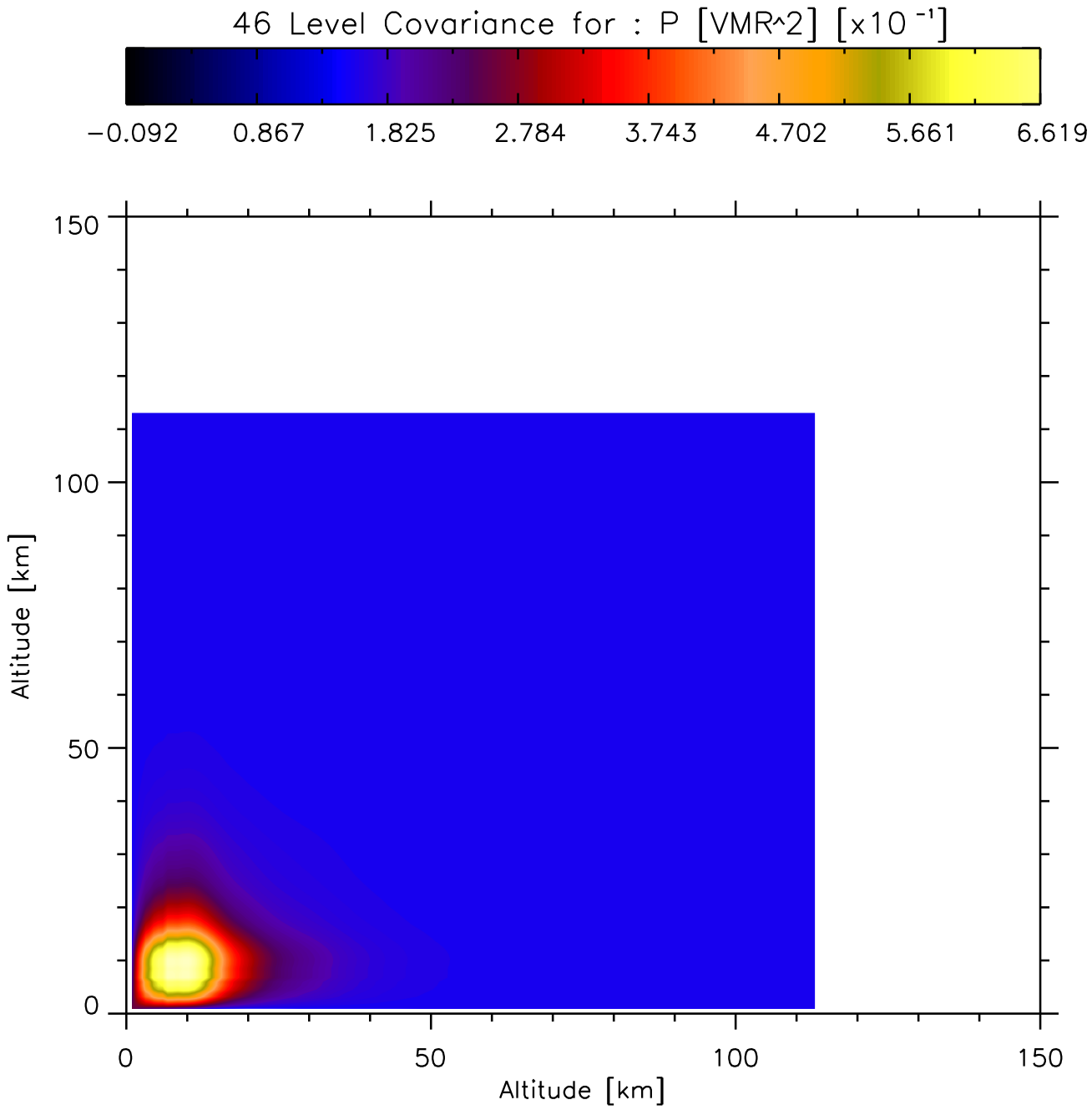

Initial & Interpolated profiles by month for : 2020
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


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


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
SD
0
5
10
15
20
%


47 Layer Covariance for : P [VMR^2] [x10 -1]
−0.425
0.644
1.714
2.783
3.853
4.922
5.992
7.061
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


47 Layer Covariance for : P [VMR^2] [x10^-1]
-150
0
2
4
6
8
Y Altitude
100
50
0
0
50
X Altitude
100
150


46 Level Covariance for : P [VMR^2] [x10 -1]
−0.092
0.867
1.825
2.784
3.743
4.702
5.661
6.619
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

46 Level Covariance for : P [VMR^2] [x10^-1]
Y Altitude
X Altitude
0
50
100
150
0
2
4
6
8
10
12