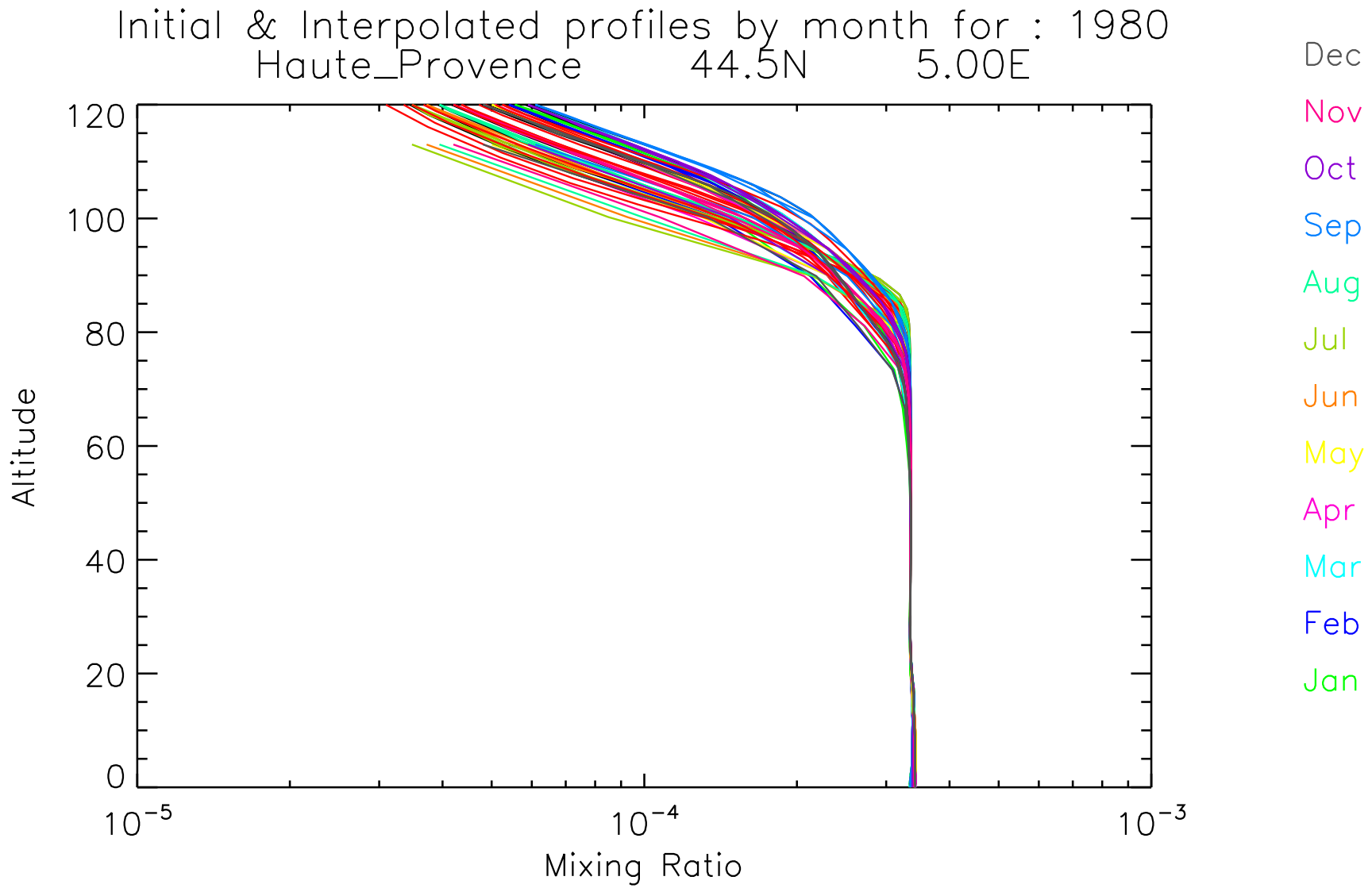
Initial & Interpolated profiles by month for : 1980
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Altitude
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Mixing Ratio
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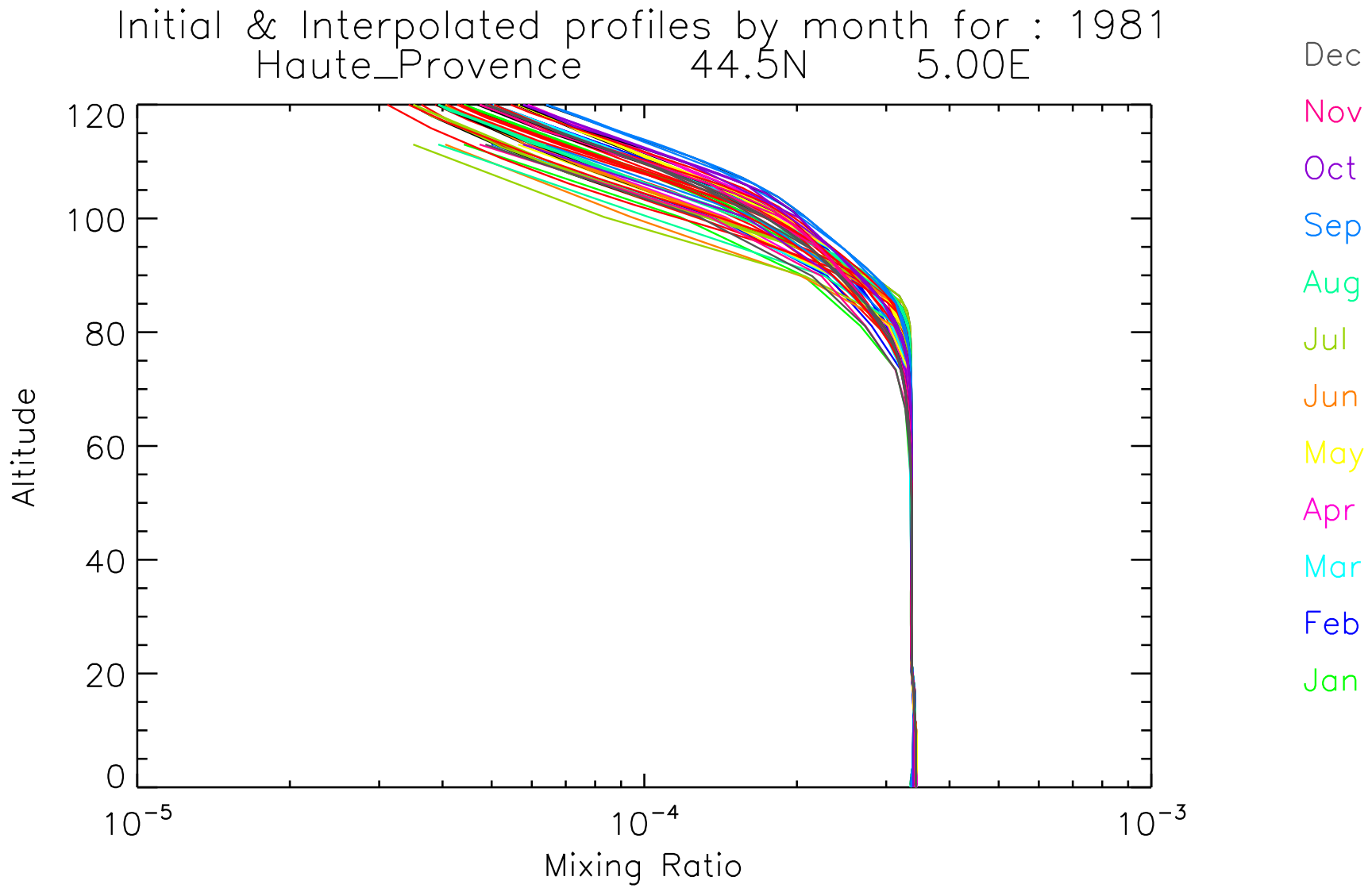
Initial & Interpolated profiles by month for : 1981
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Altitude
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Mixing Ratio
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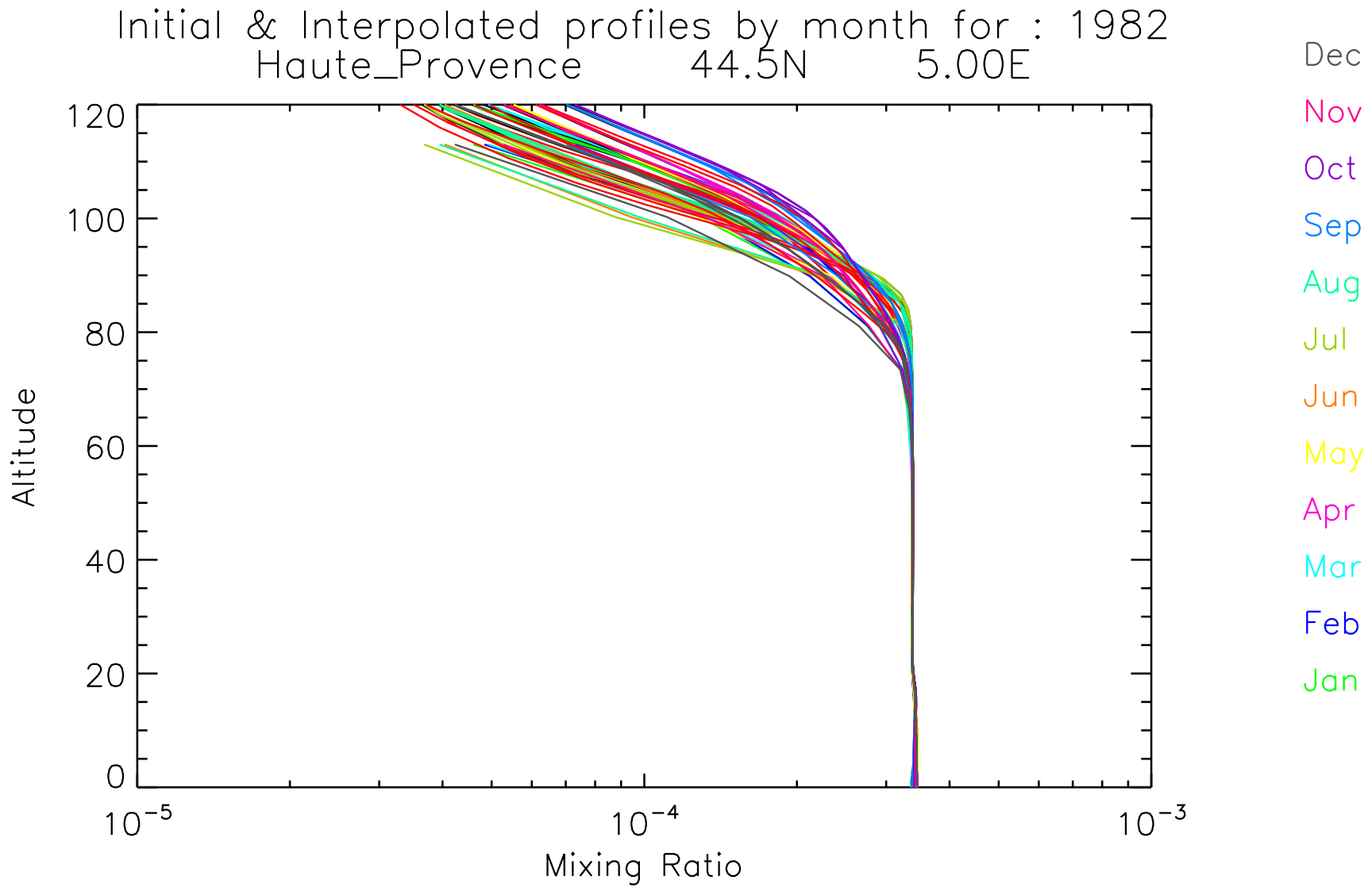
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Mixing Ratio
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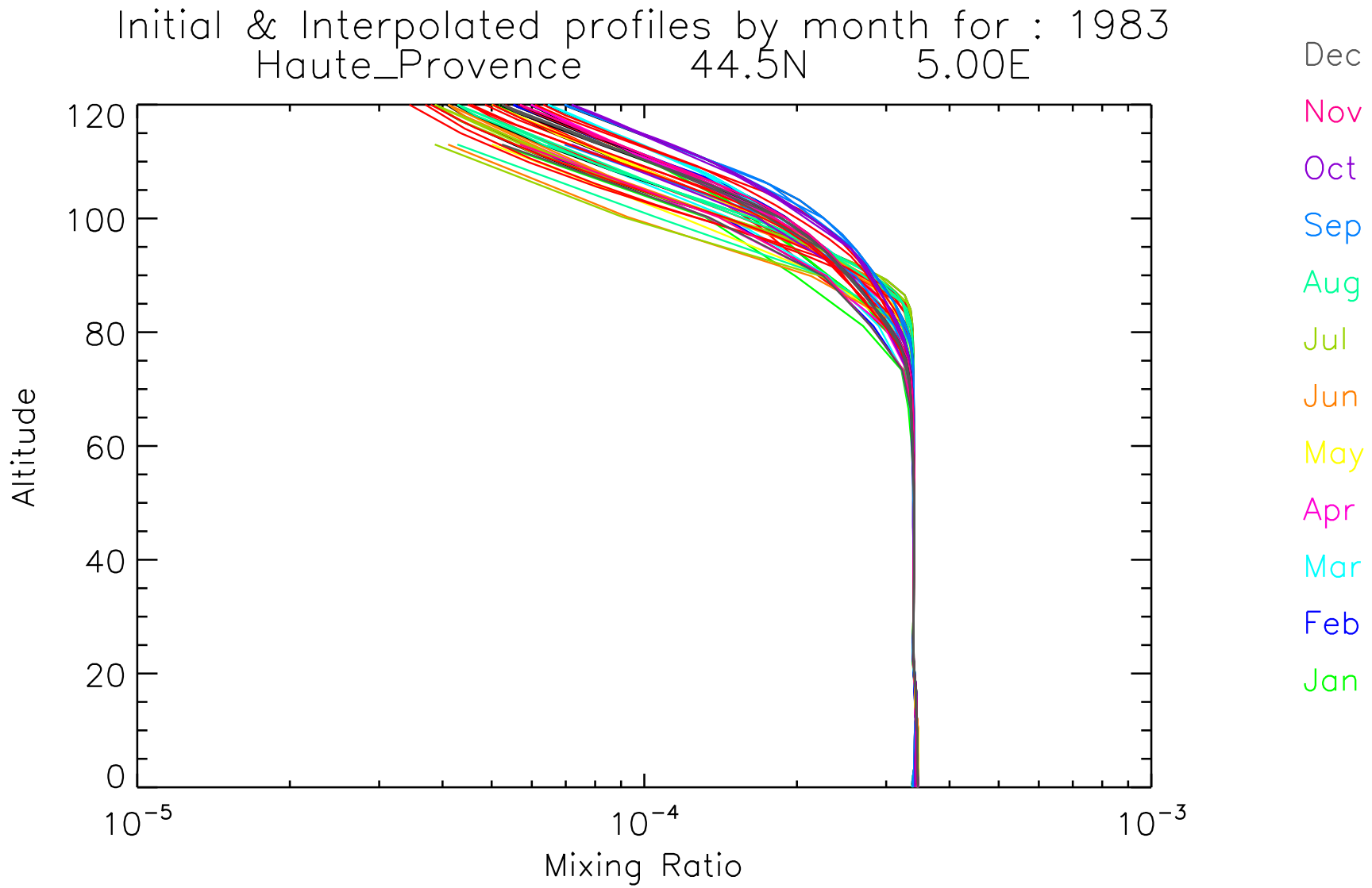
Initial & Interpolated profiles by month for : 1983
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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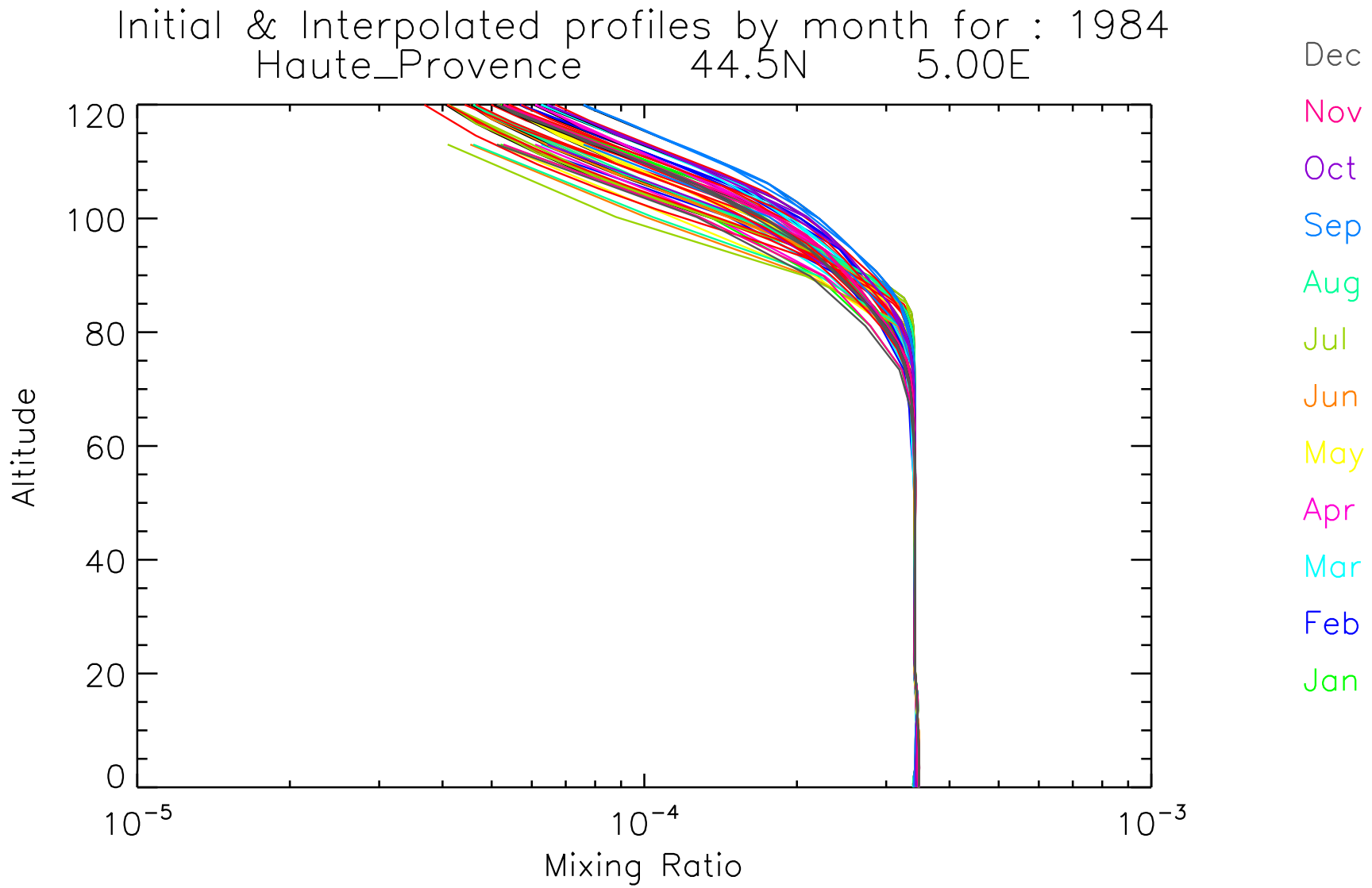
Initial & Interpolated profiles by month for : 1984
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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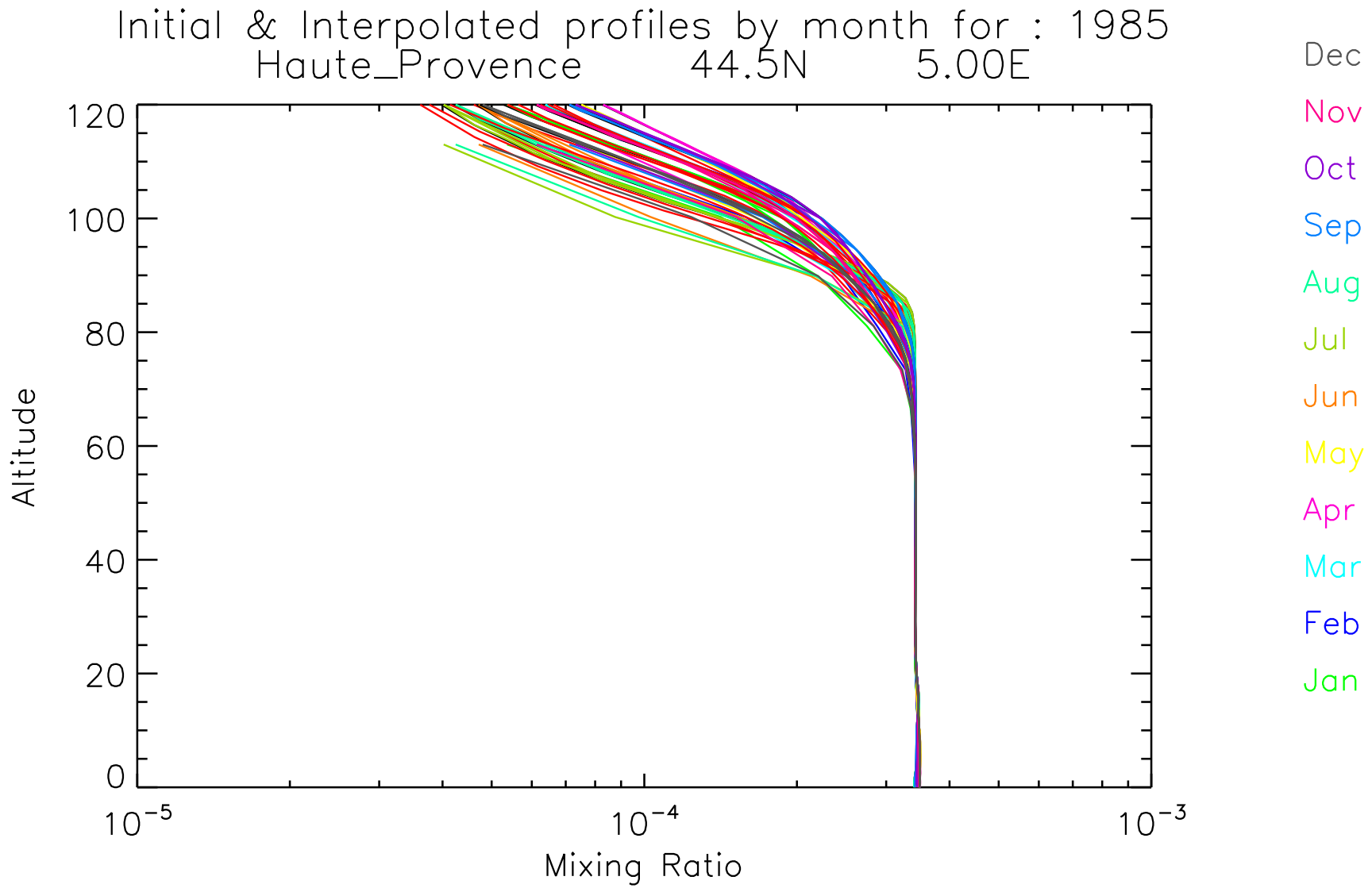
Initial & Interpolated profiles by month for : 1985
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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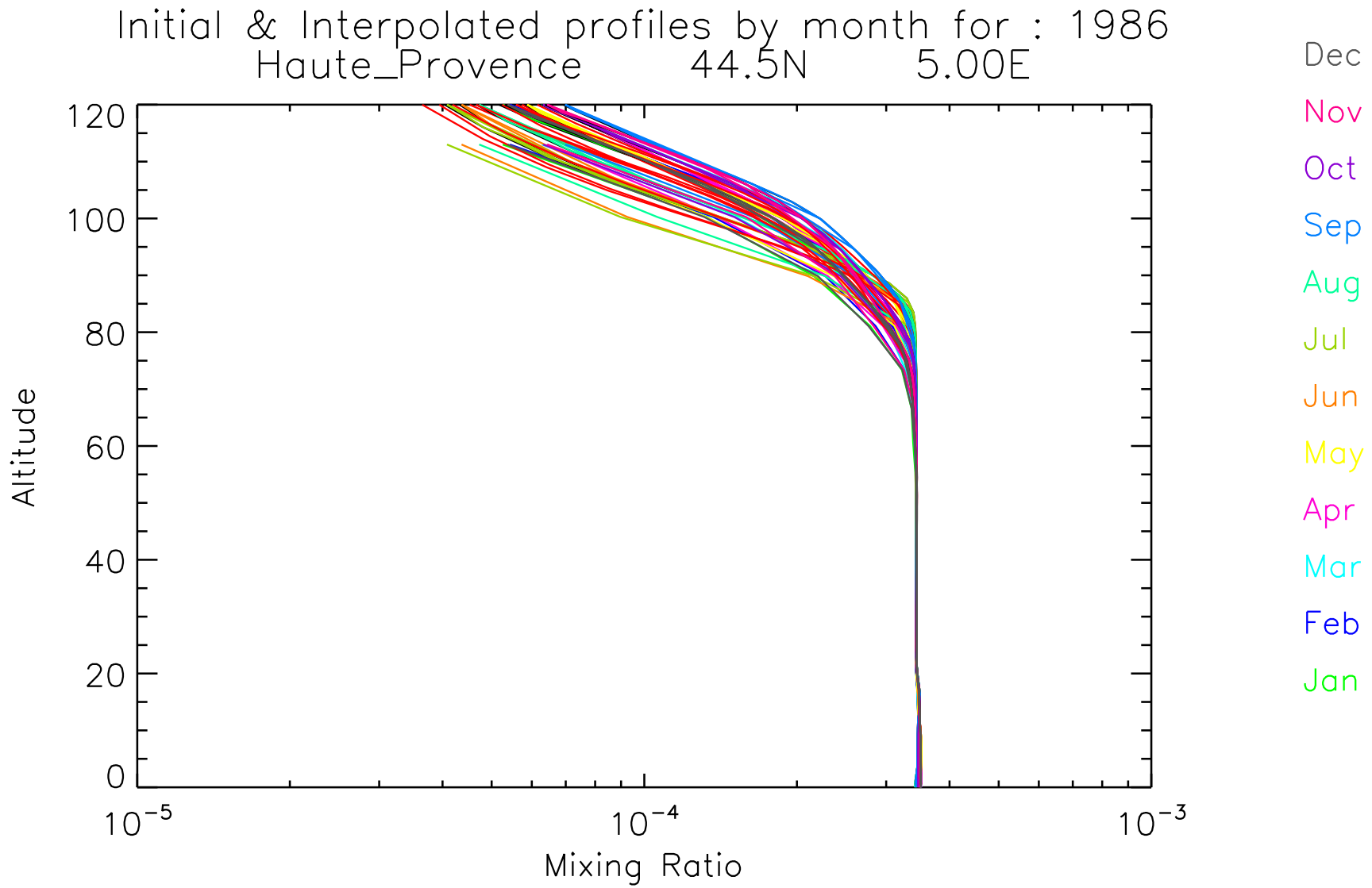
Initial & Interpolated profiles by month for : 1986
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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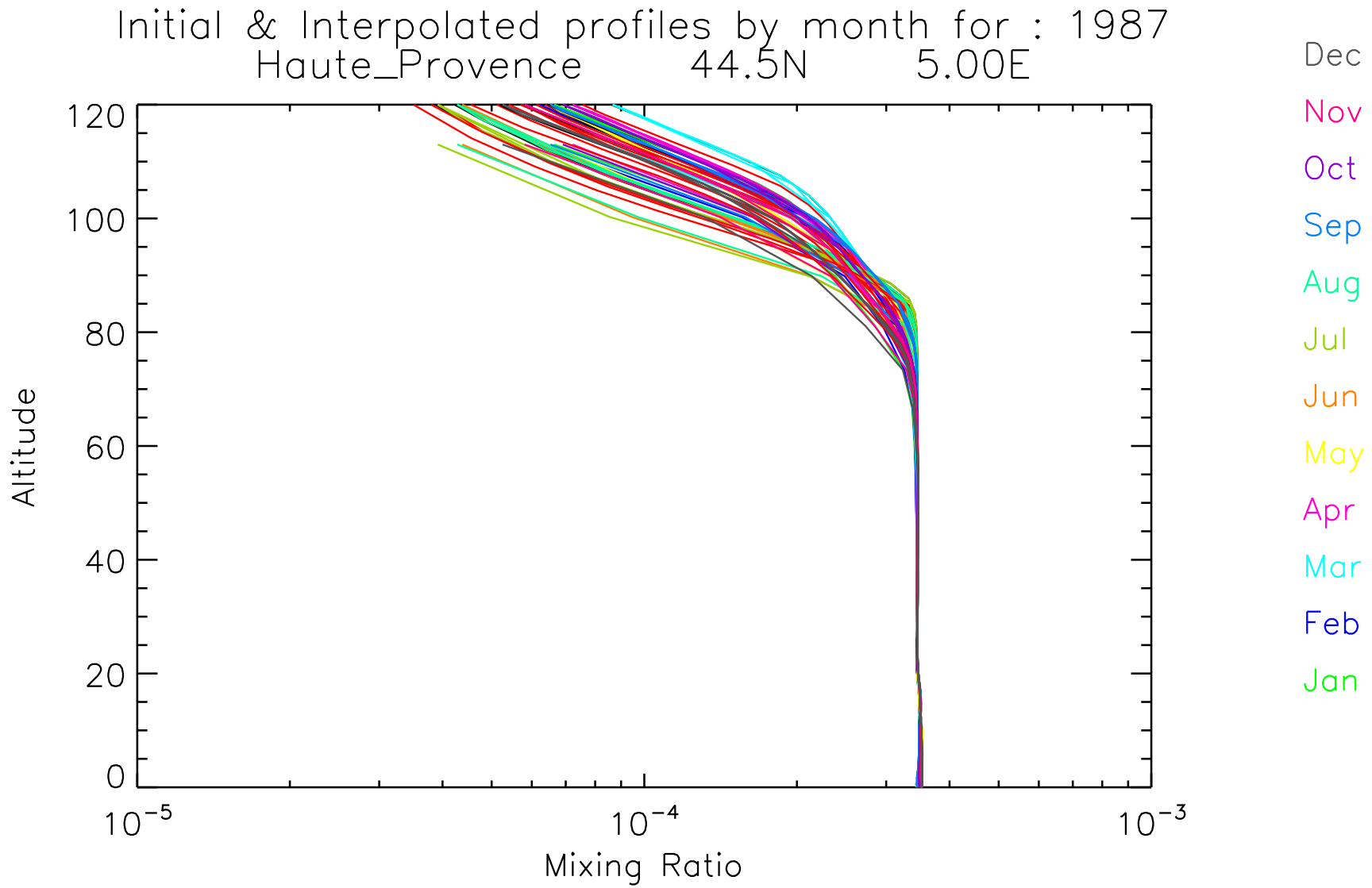
Initial & Interpolated profiles by month for : 1987
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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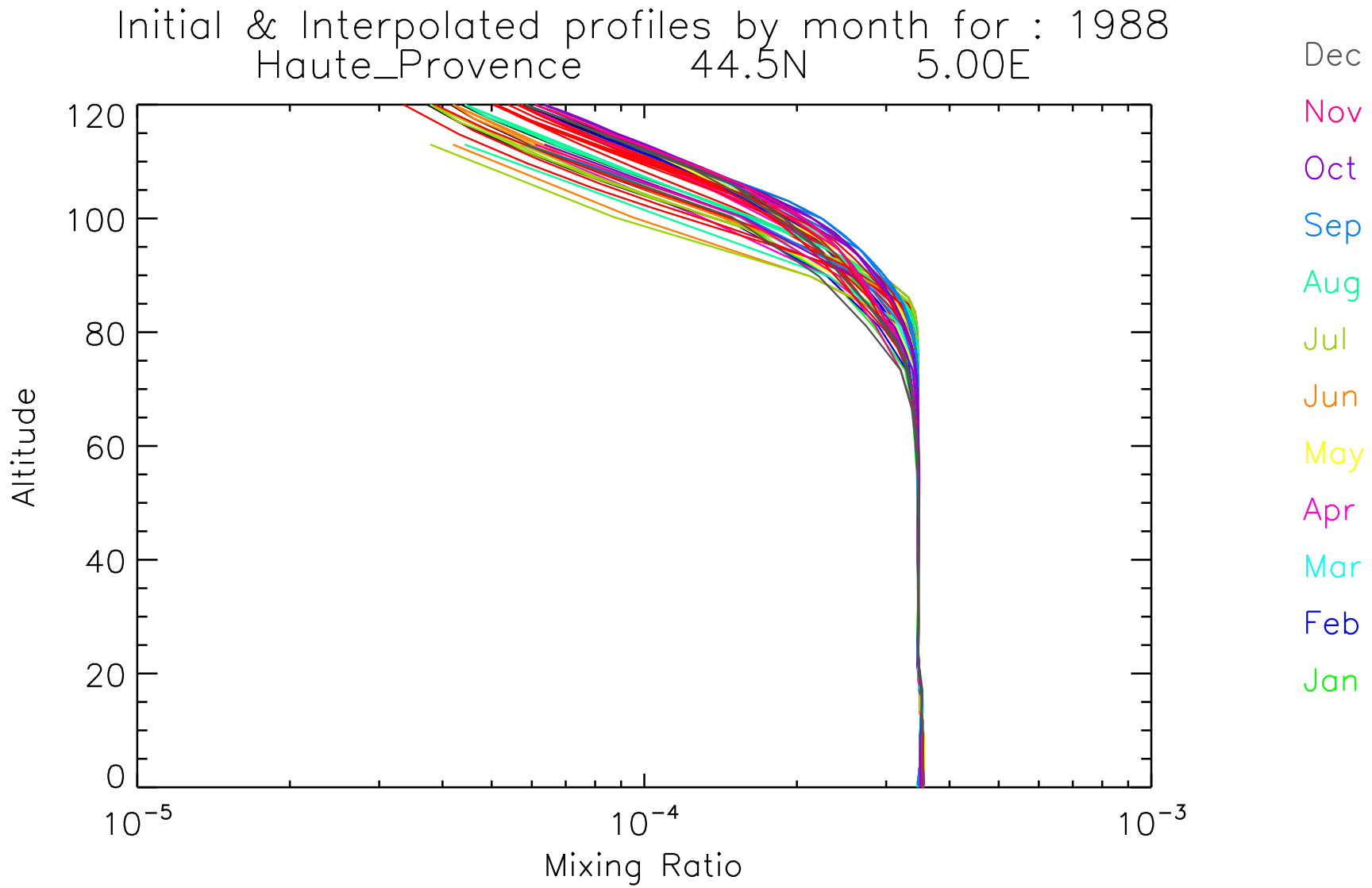
Initial & Interpolated profiles by month for : 1988
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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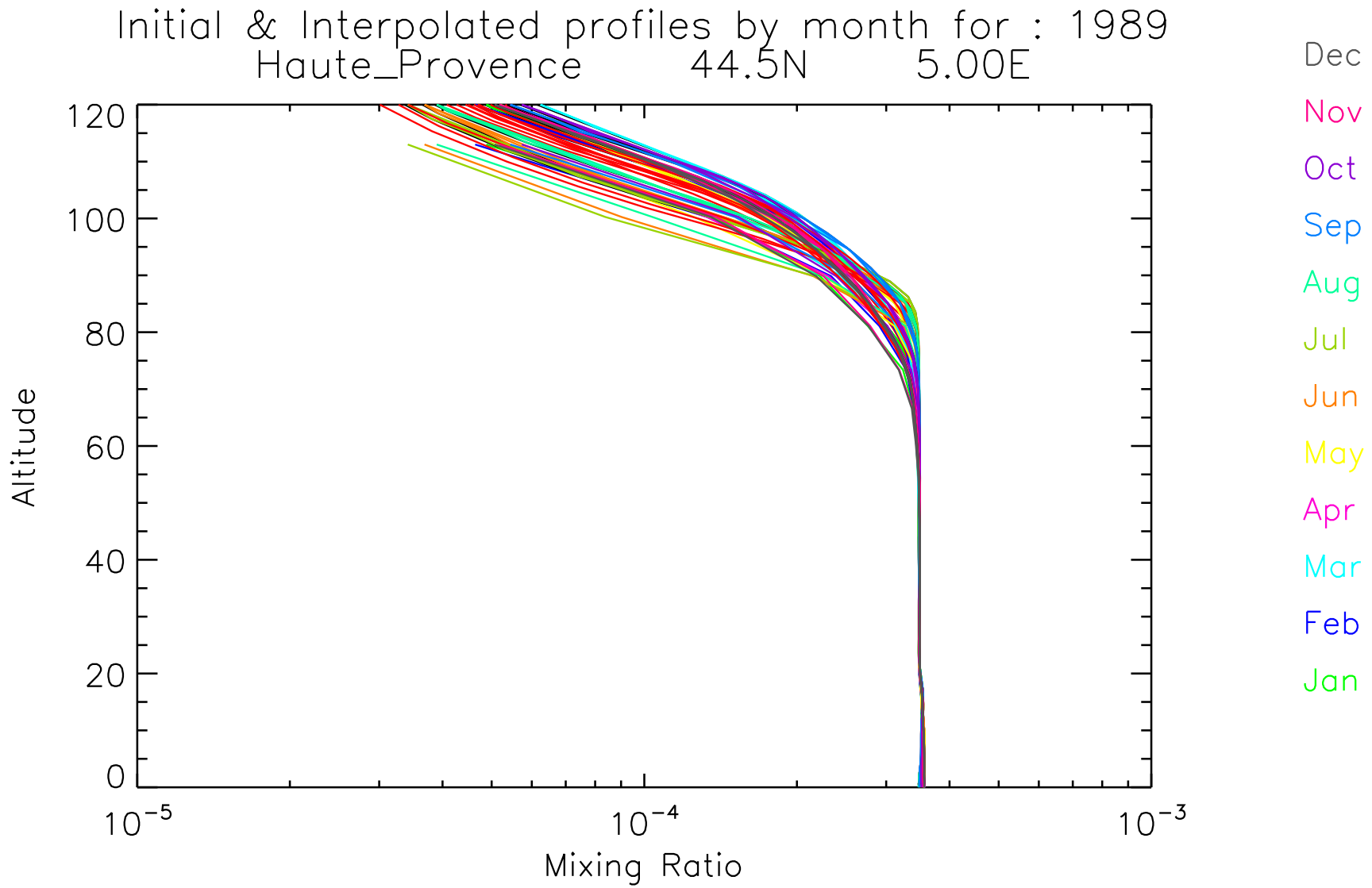
Initial & Interpolated profiles by month for : 1989
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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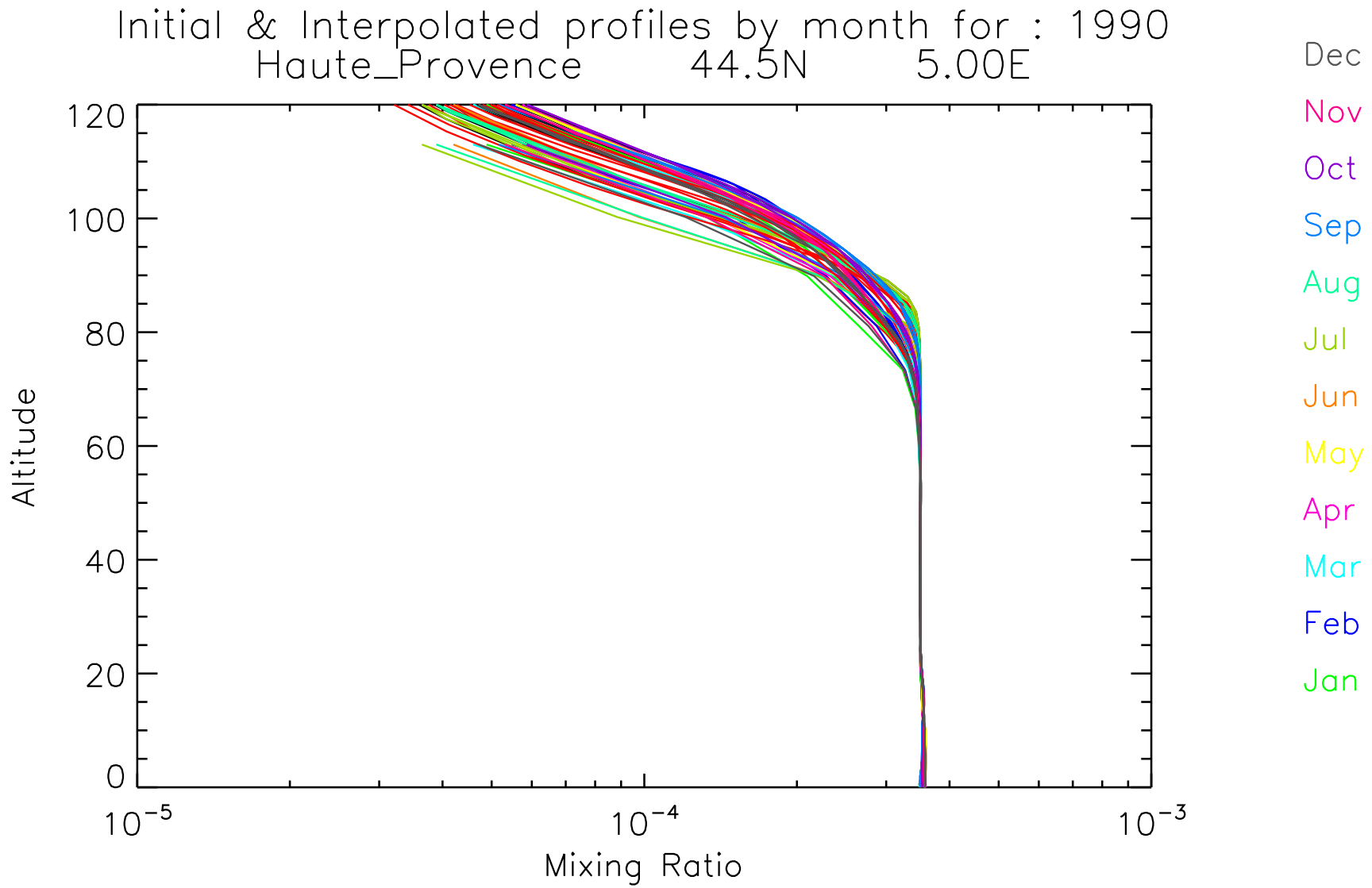
Initial & Interpolated profiles by month for : 1990
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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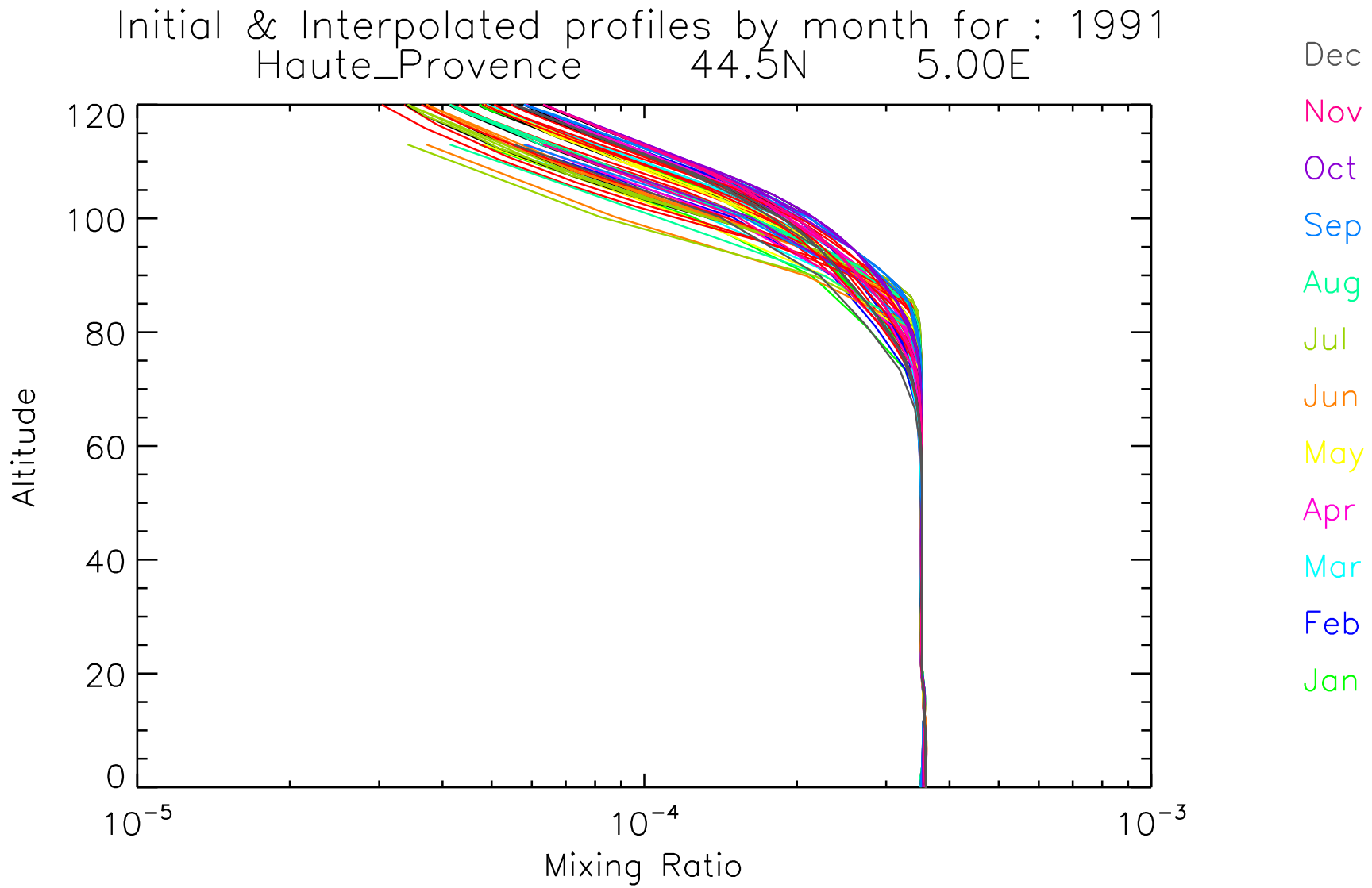
Initial & Interpolated profiles by month for : 1991
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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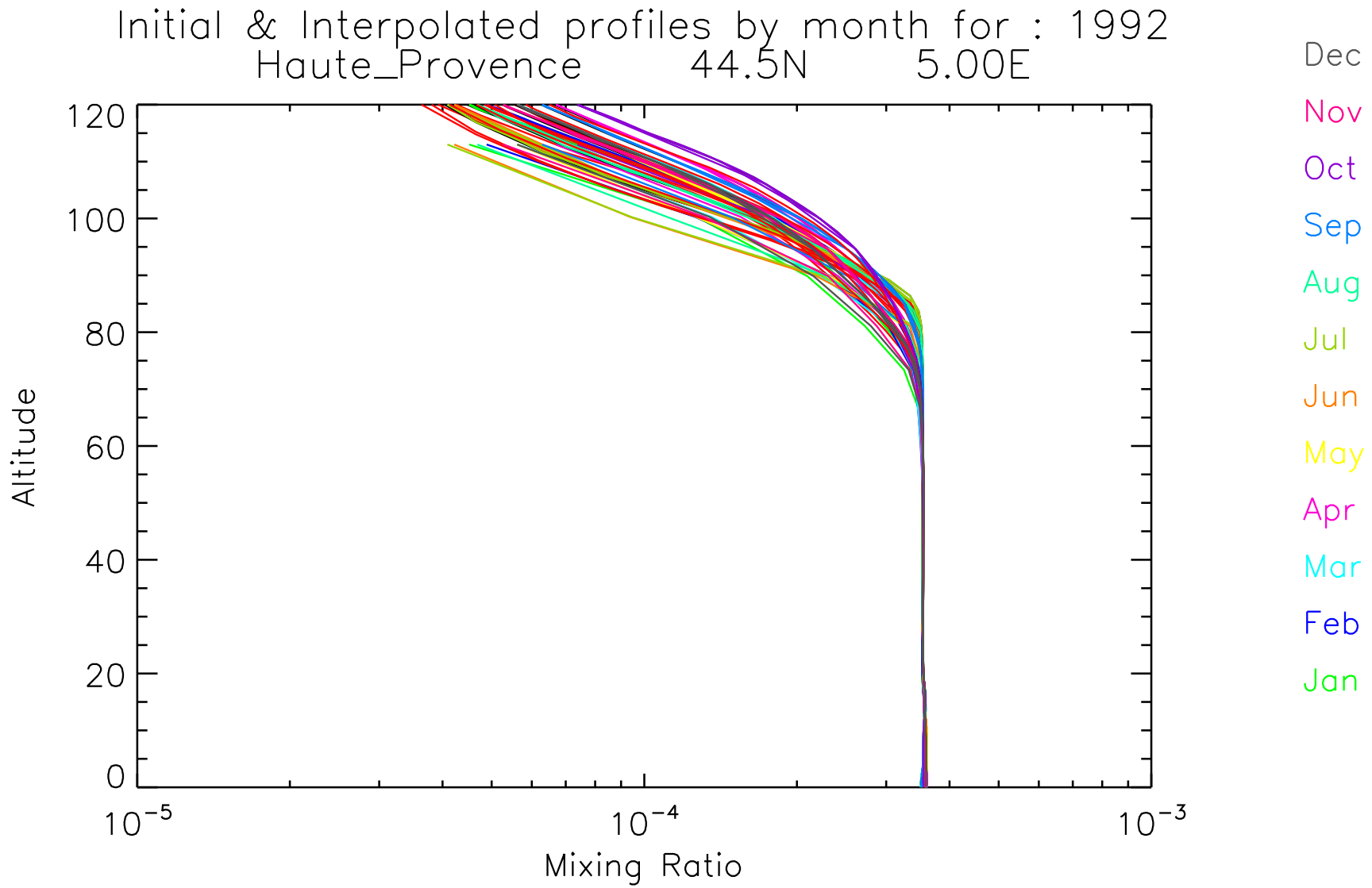
Initial & Interpolated profiles by month for : 1992
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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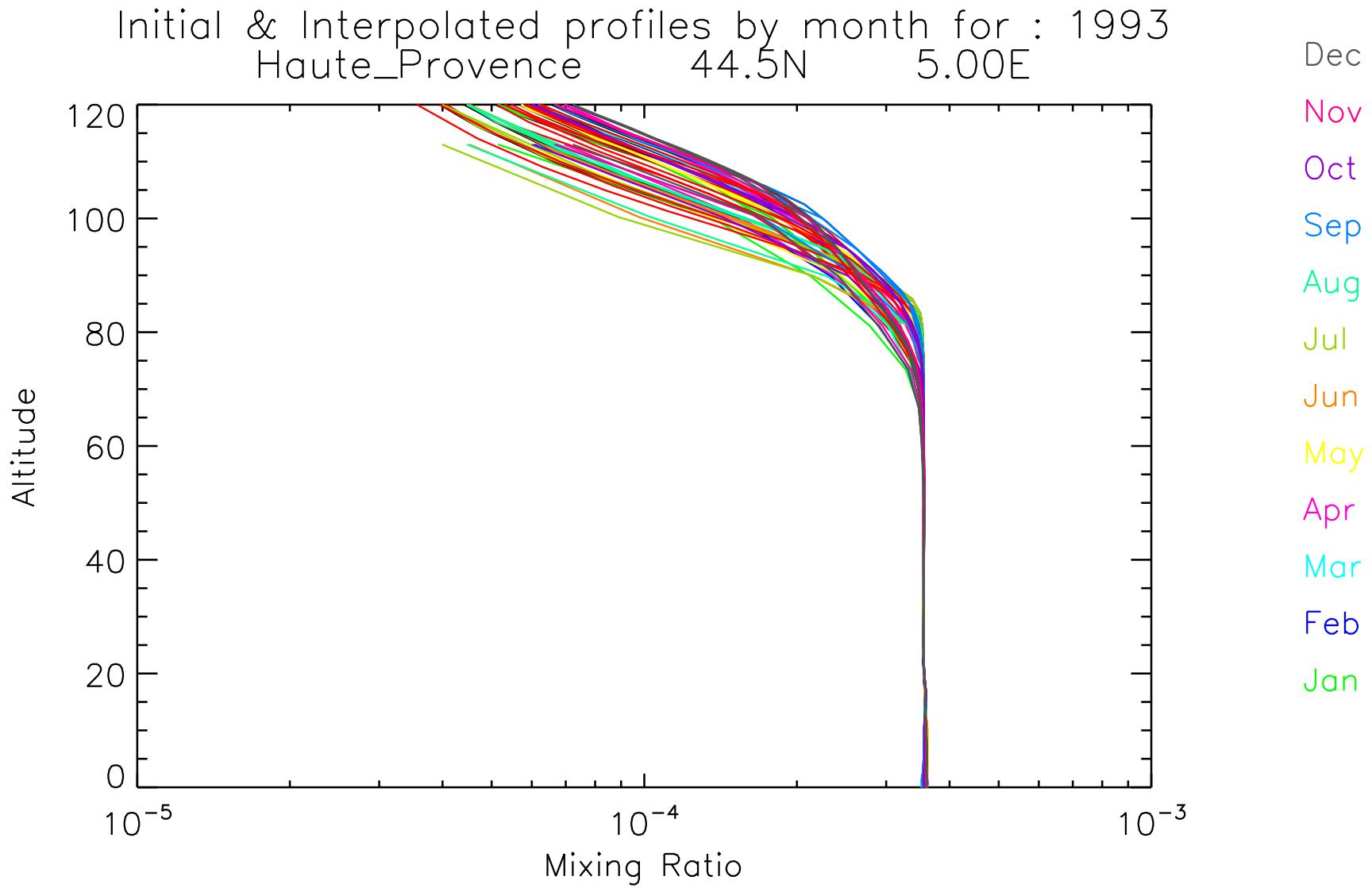
Initial & Interpolated profiles by month for : 1993
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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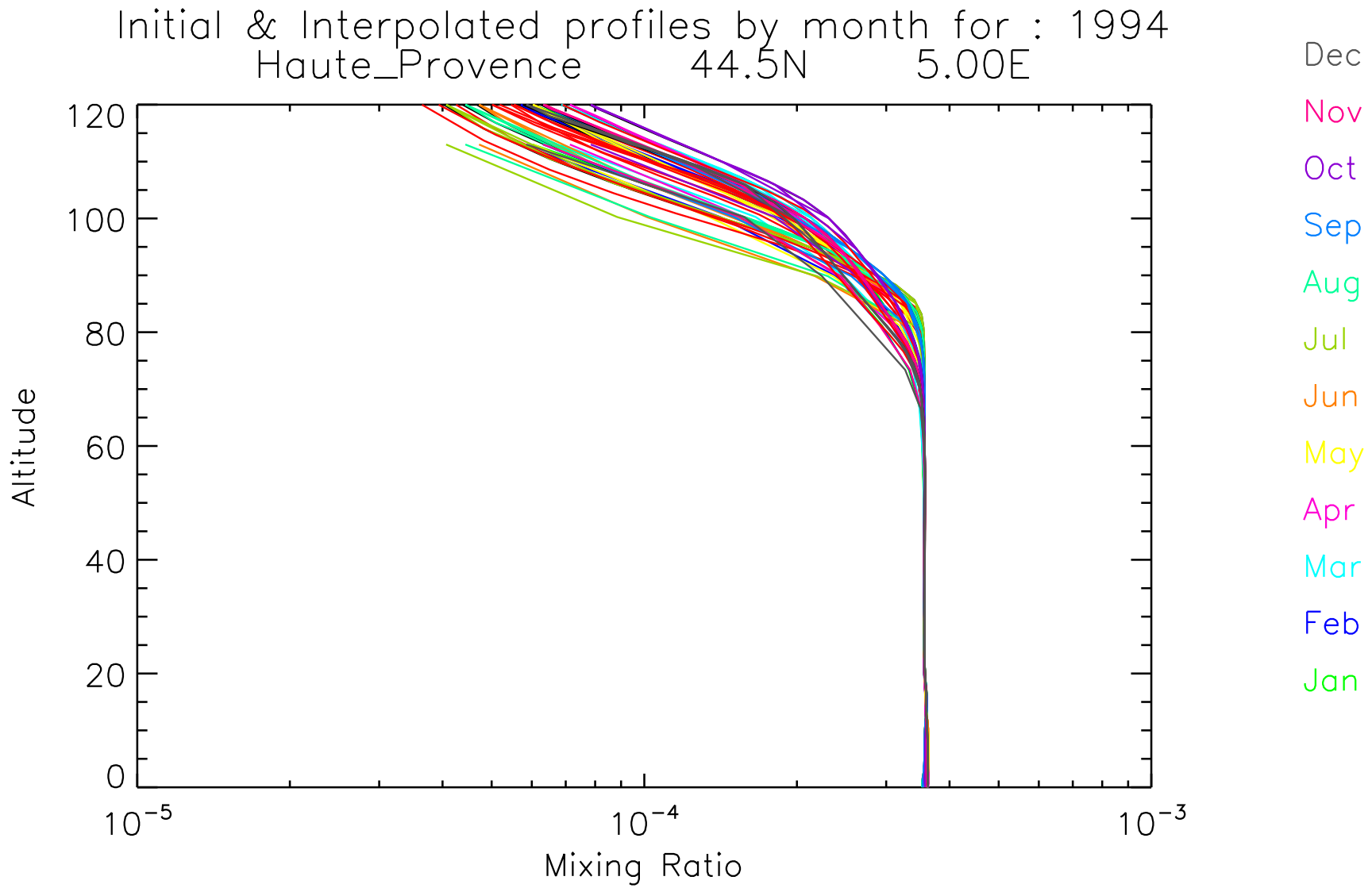
Initial & Interpolated profiles by month for : 1994
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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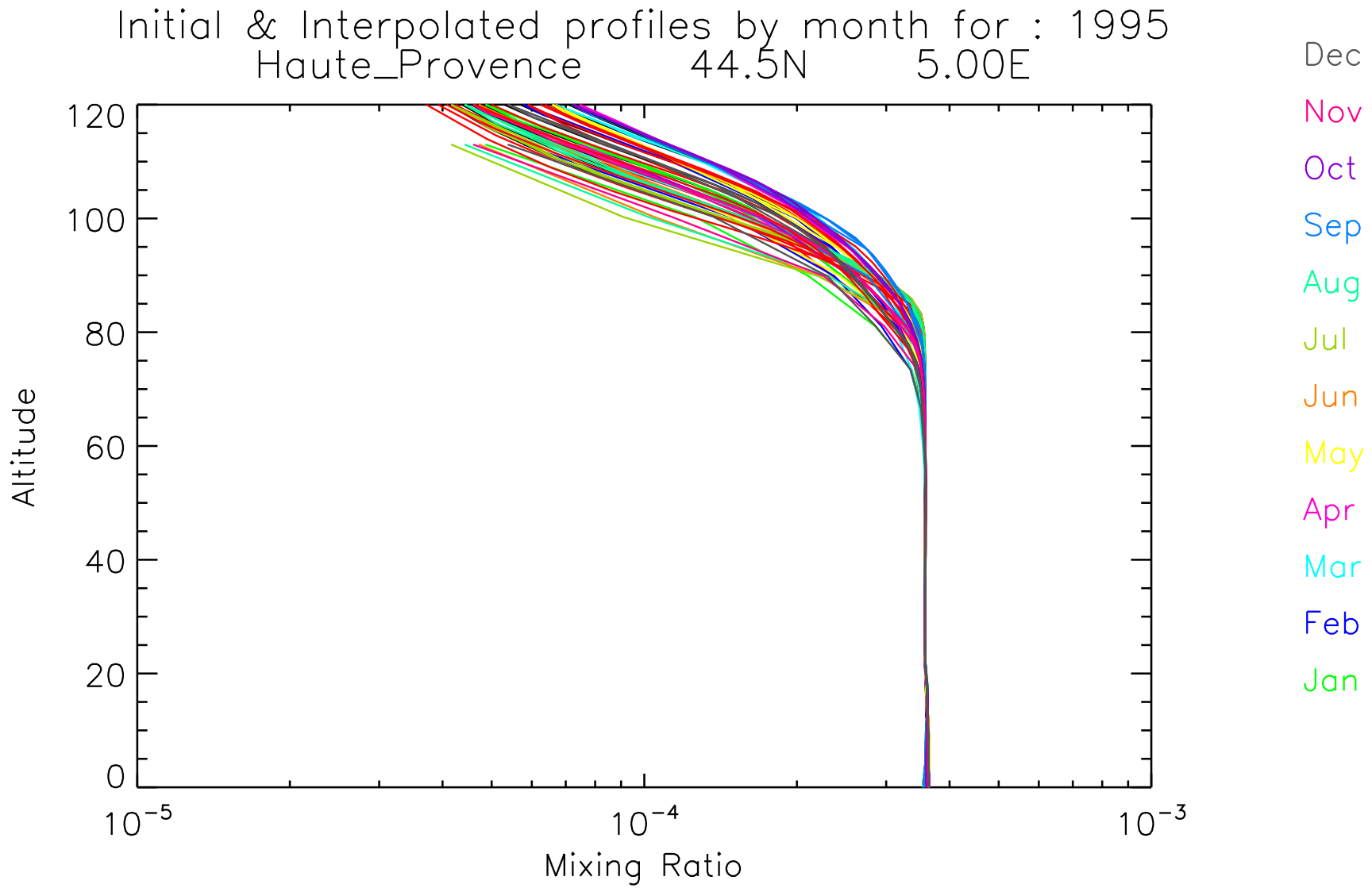
Initial & Interpolated profiles by month for : 1995
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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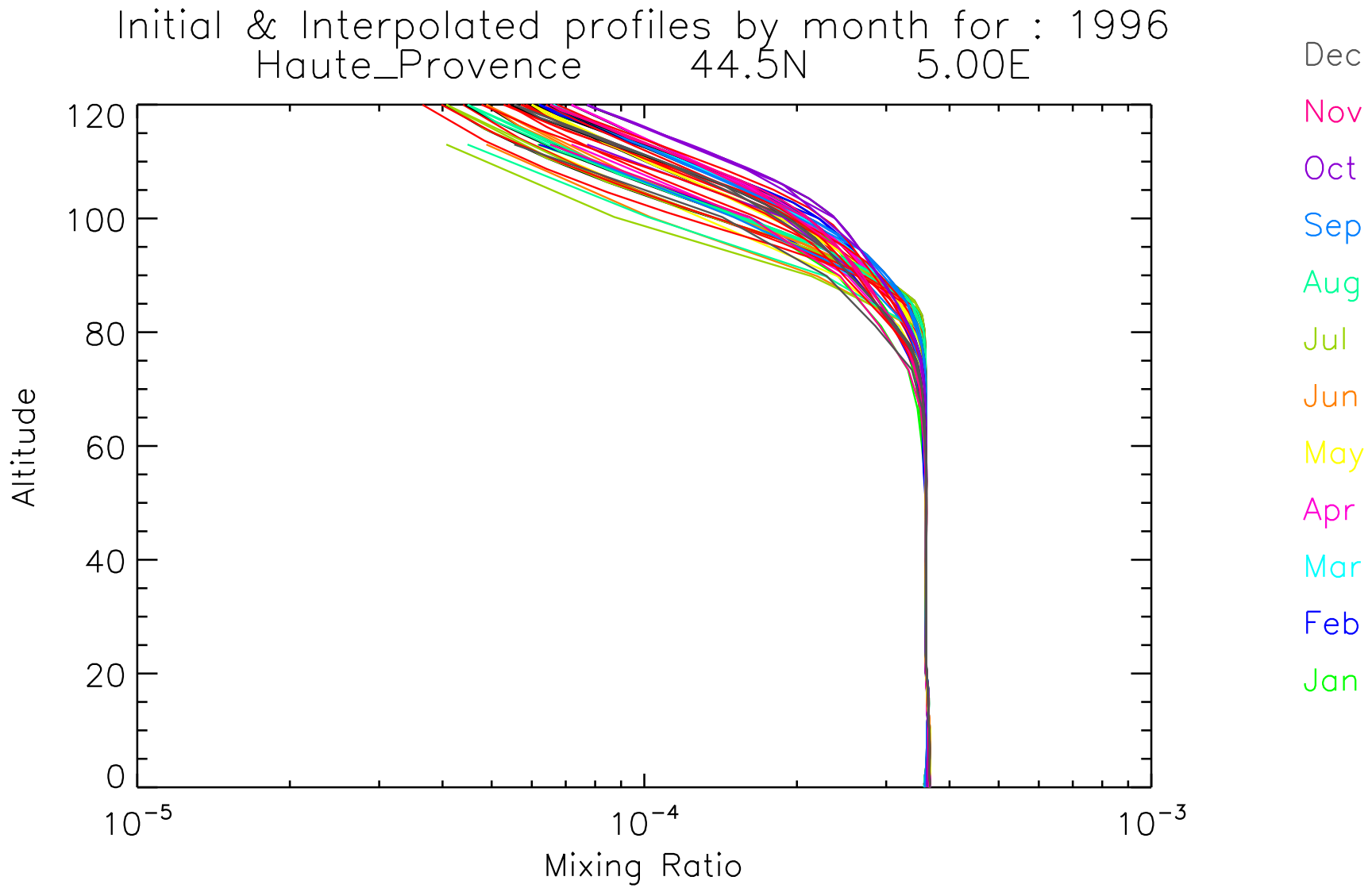
Initial & Interpolated profiles by month for : 1996
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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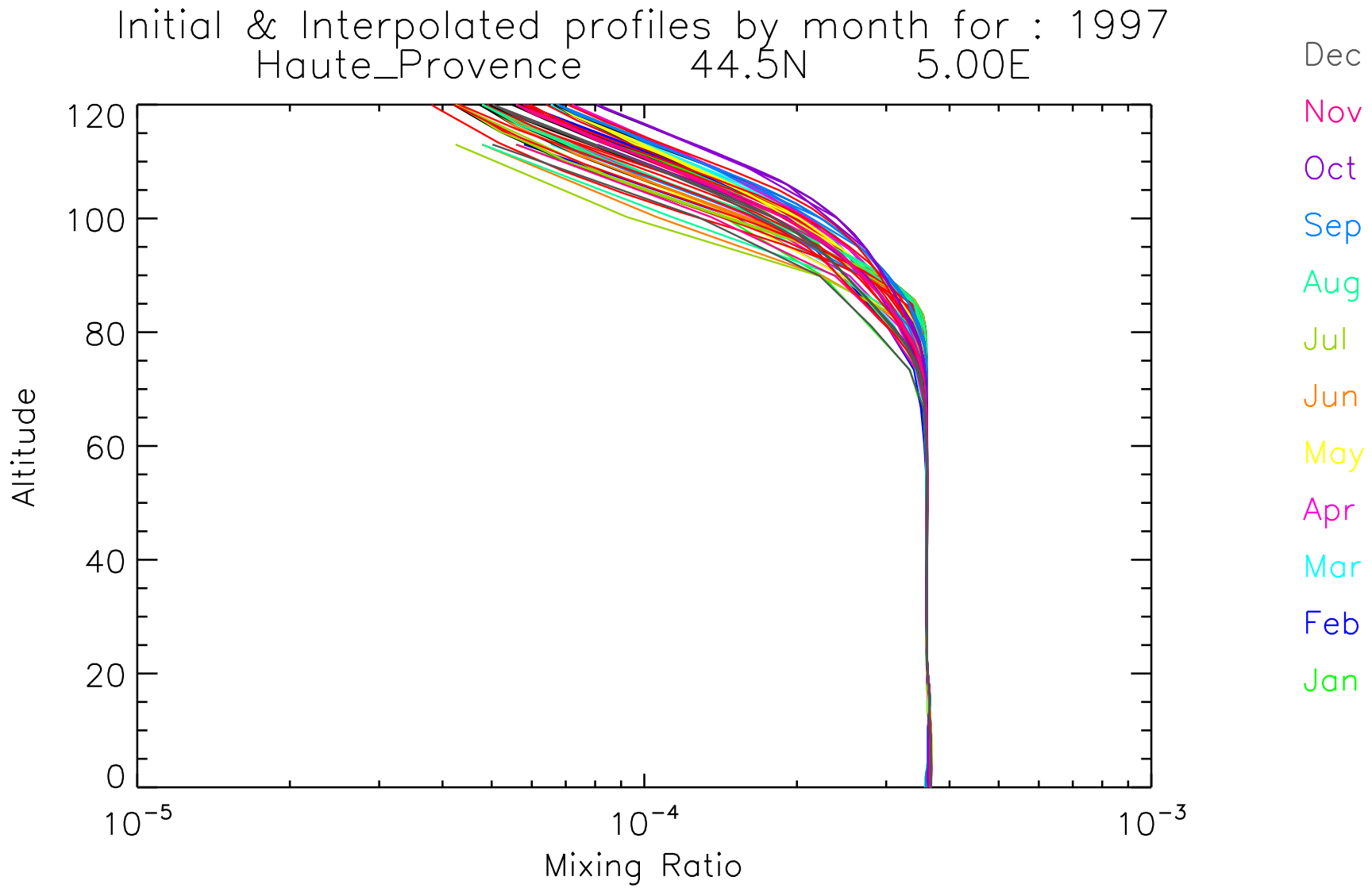
Initial & Interpolated profiles by month for : 1997
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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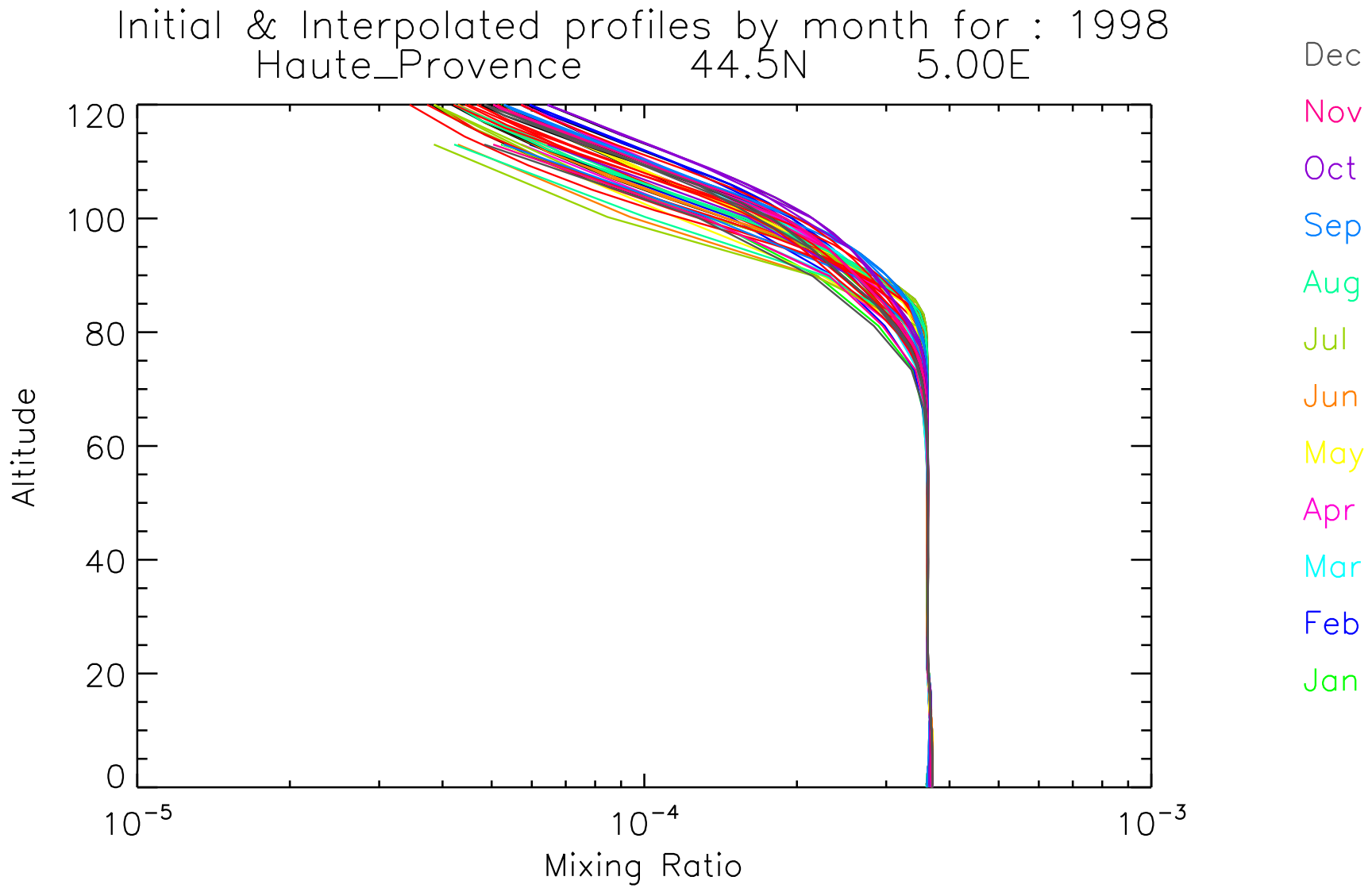
Initial & Interpolated profiles by month for : 1998
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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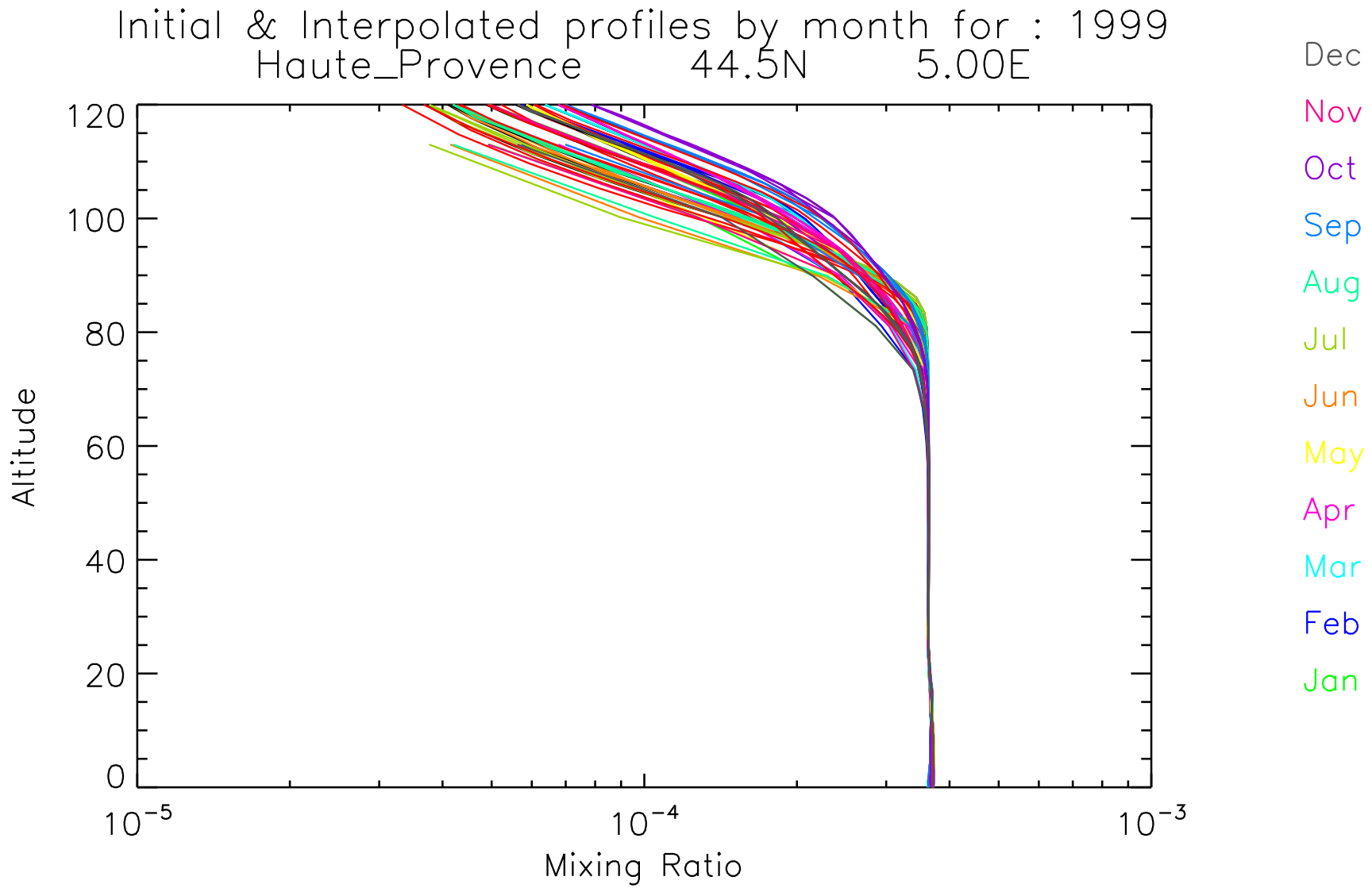
Initial & Interpolated profiles by month for : 1999
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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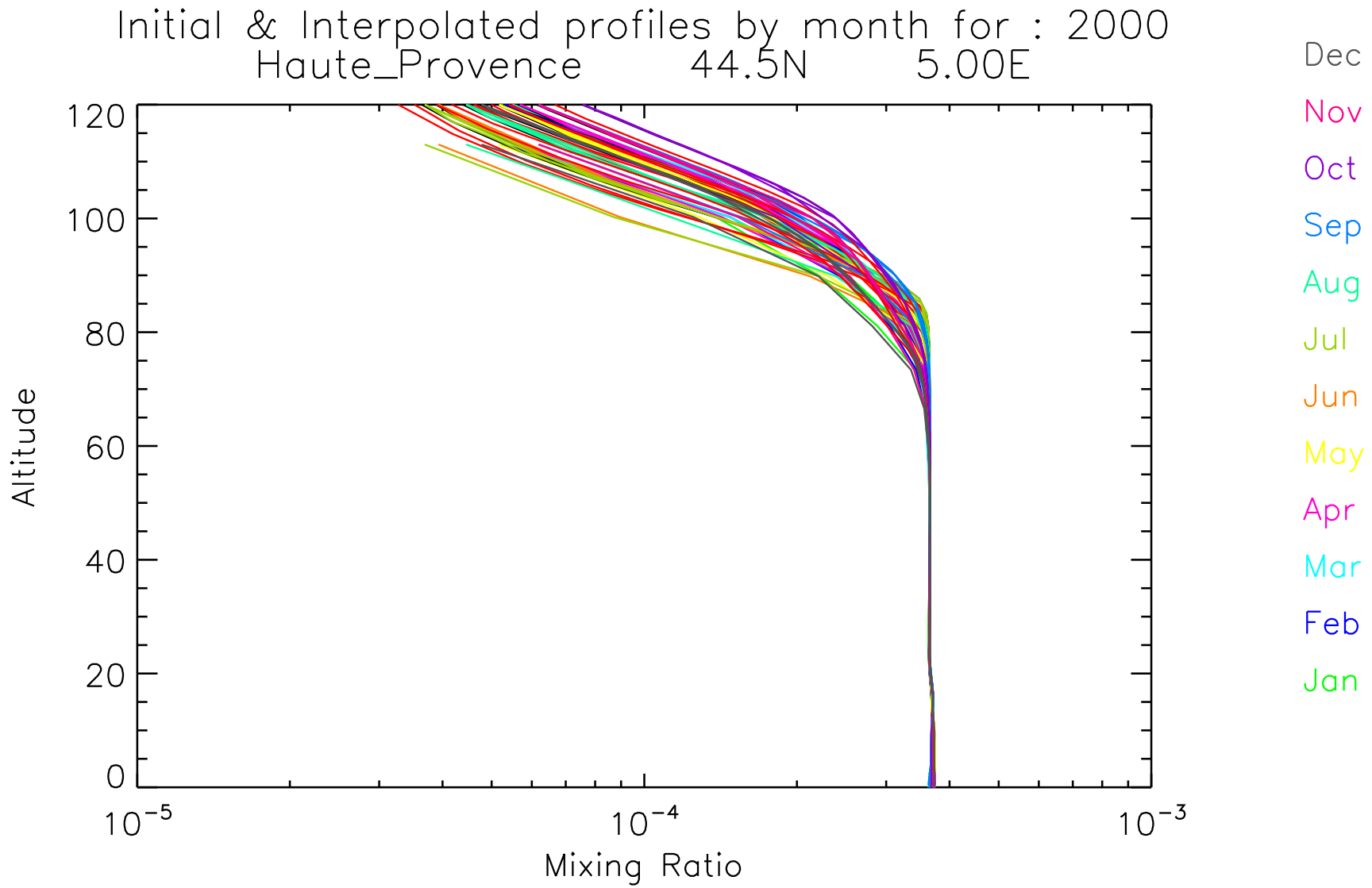
Initial & Interpolated profiles by month for : 2000
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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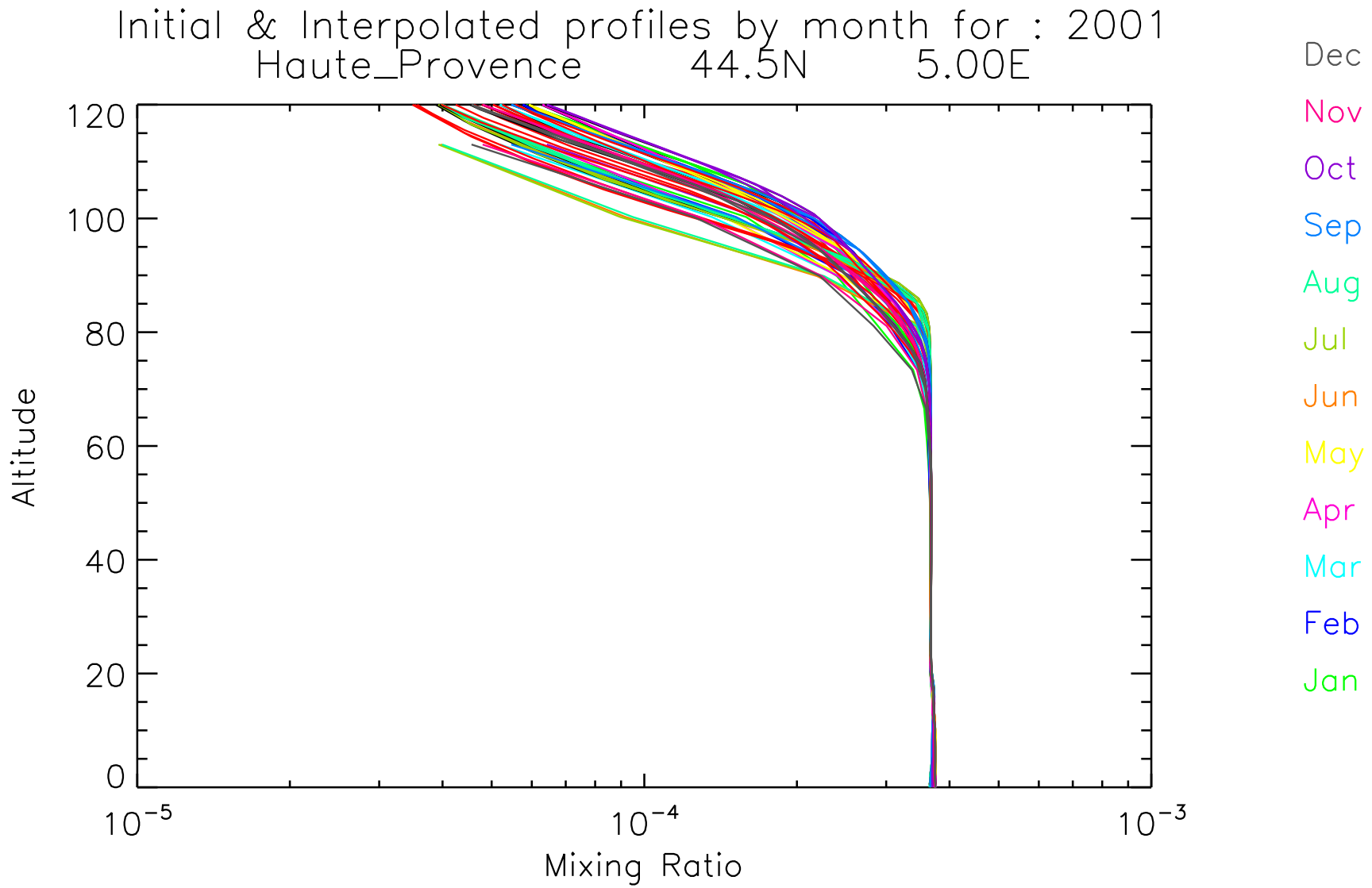
Initial & Interpolated profiles by month for : 2001
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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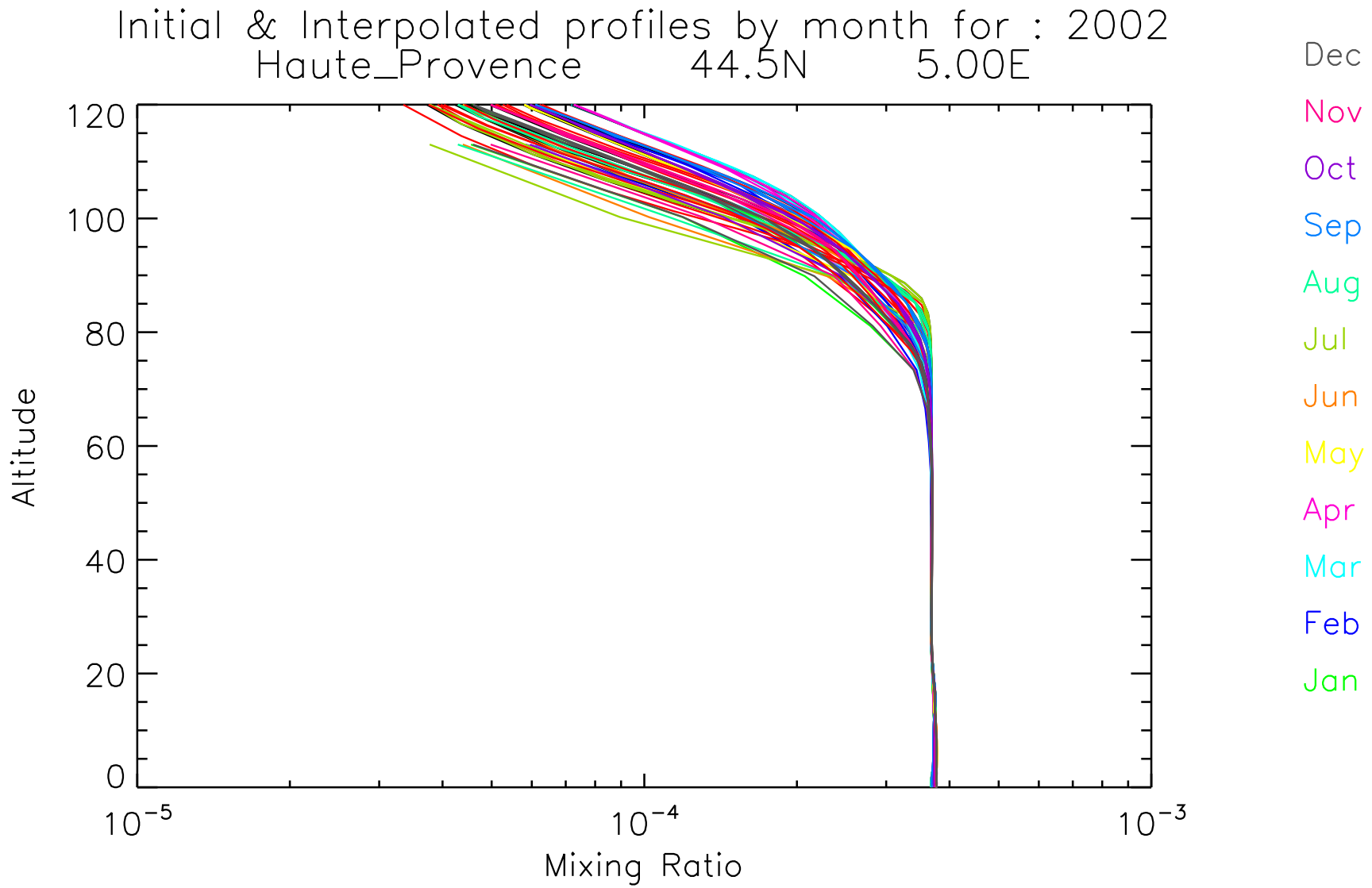
Initial & Interpolated profiles by month for : 2002
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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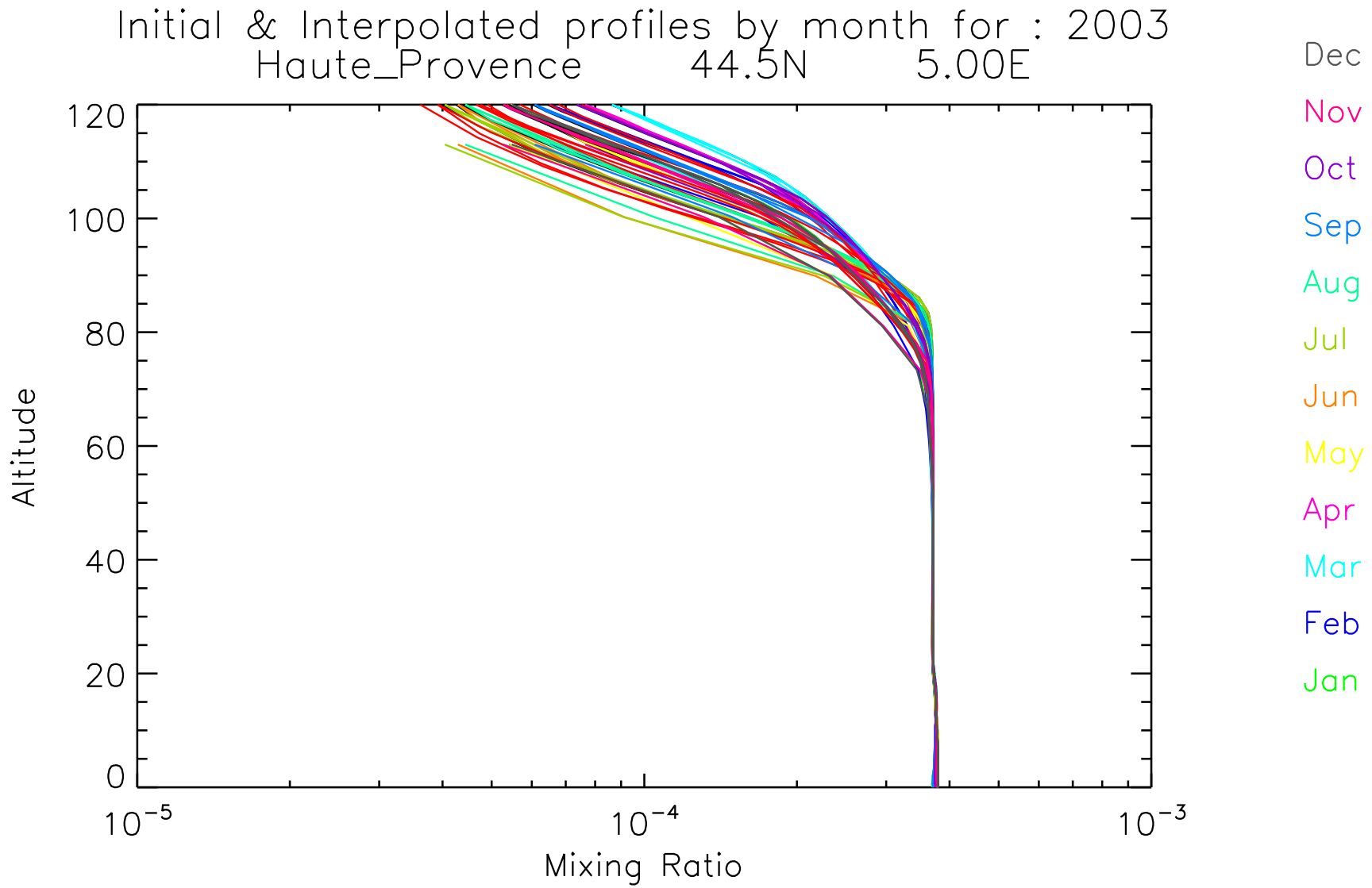
Initial & Interpolated profiles by month for : 2003
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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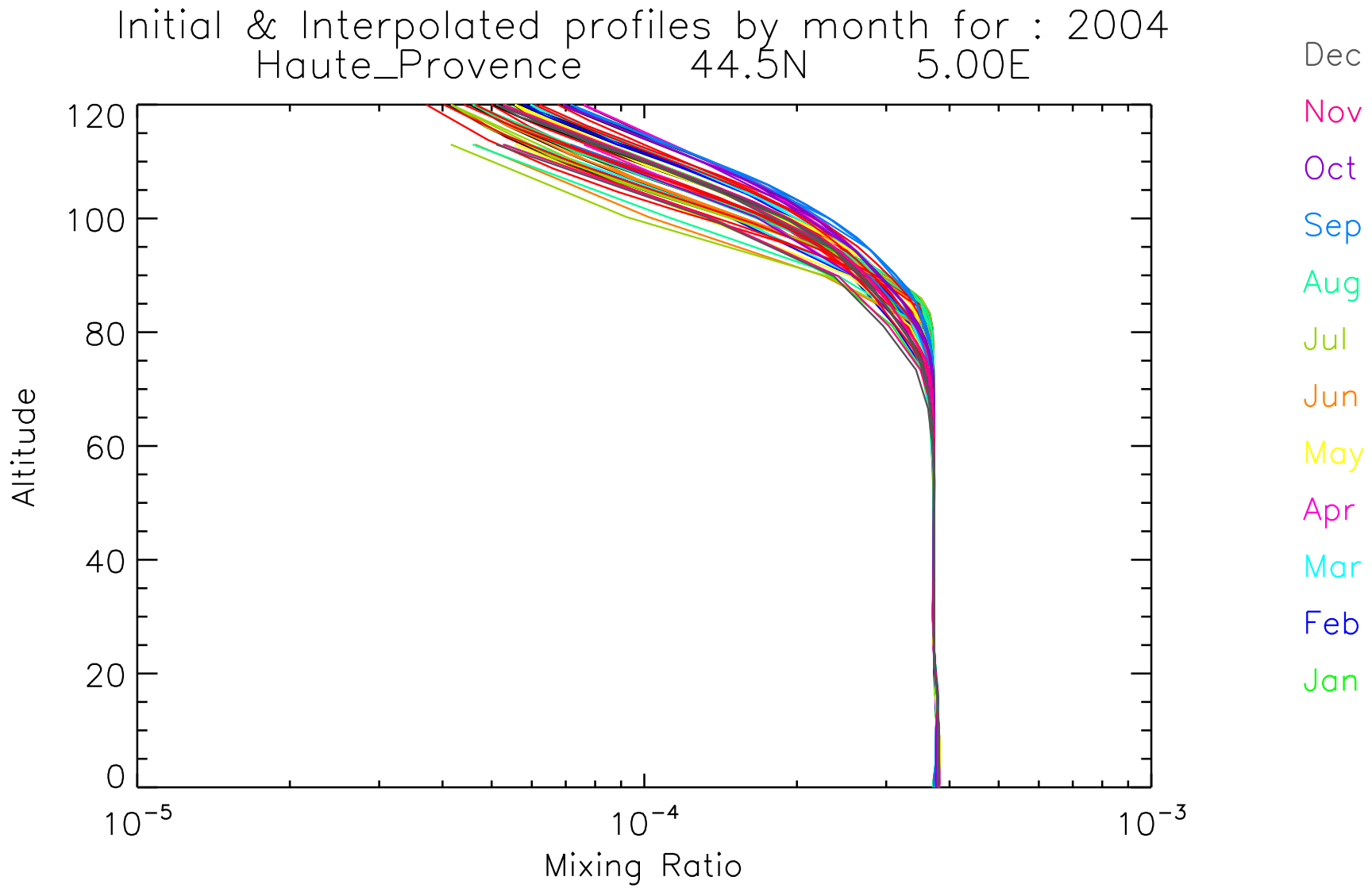
Initial & Interpolated profiles by month for : 2004
Haute_Provence 44.5N 5.00E
Altitude
120
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10^{-3}
Mixing Ratio
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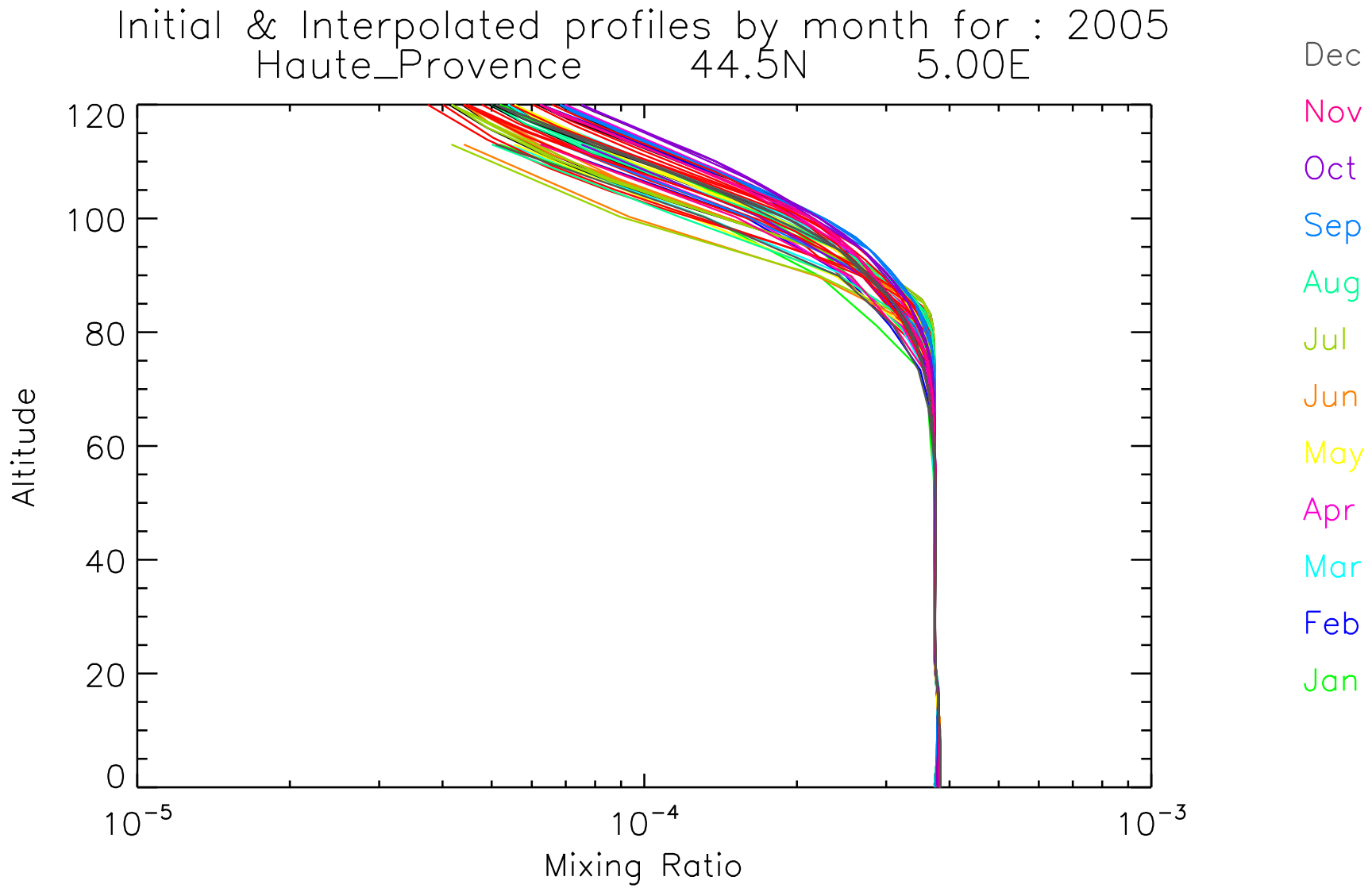
Initial & Interpolated profiles by month for : 2005
Haute_Provence 44.5N 5.00E
Altitude
120
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10^{-3}
Mixing Ratio
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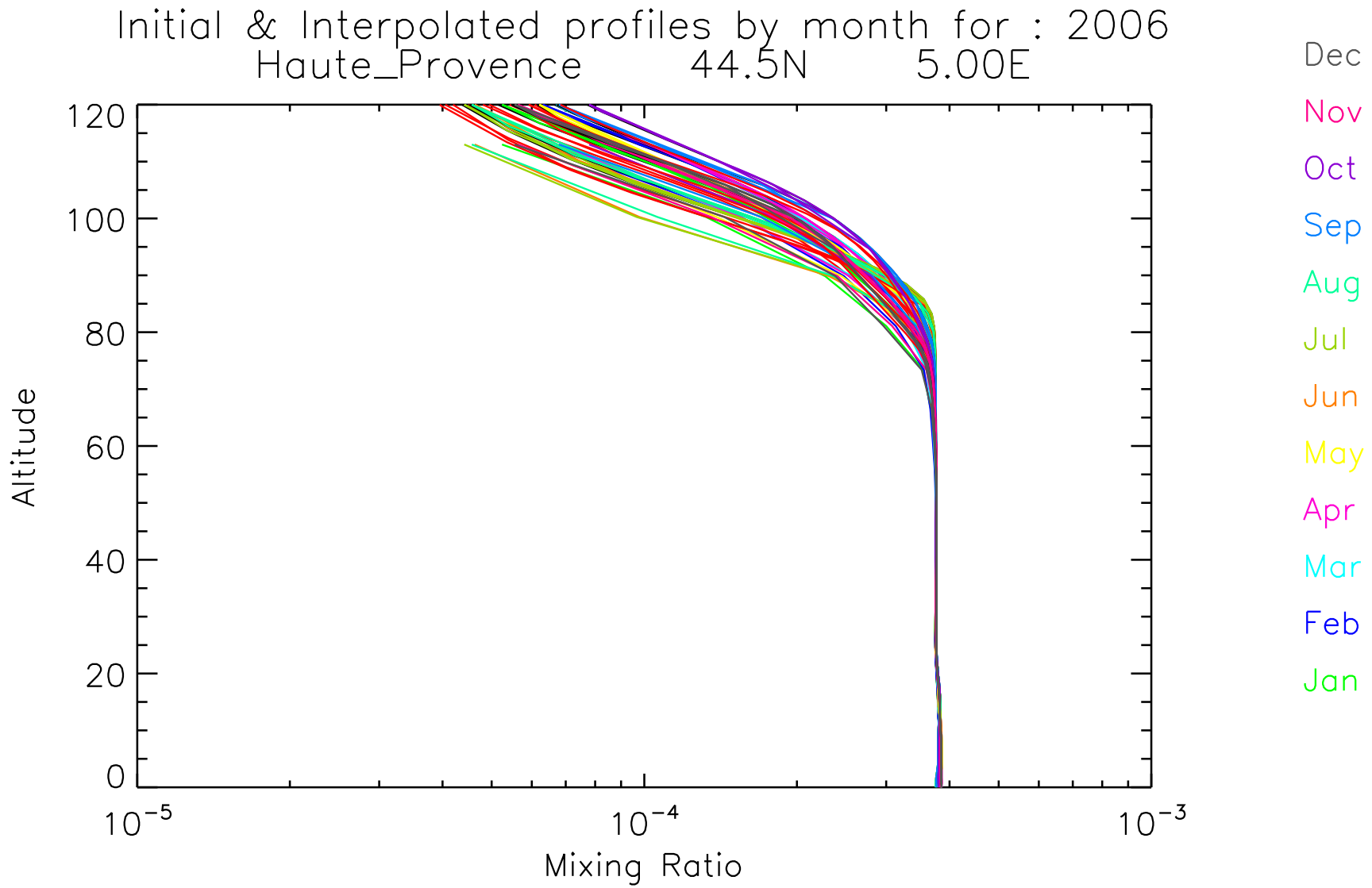
Initial & Interpolated profiles by month for : 2006
Haute_Provence 44.5N 5.00E
Altitude
120
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10^{-3}
Mixing Ratio
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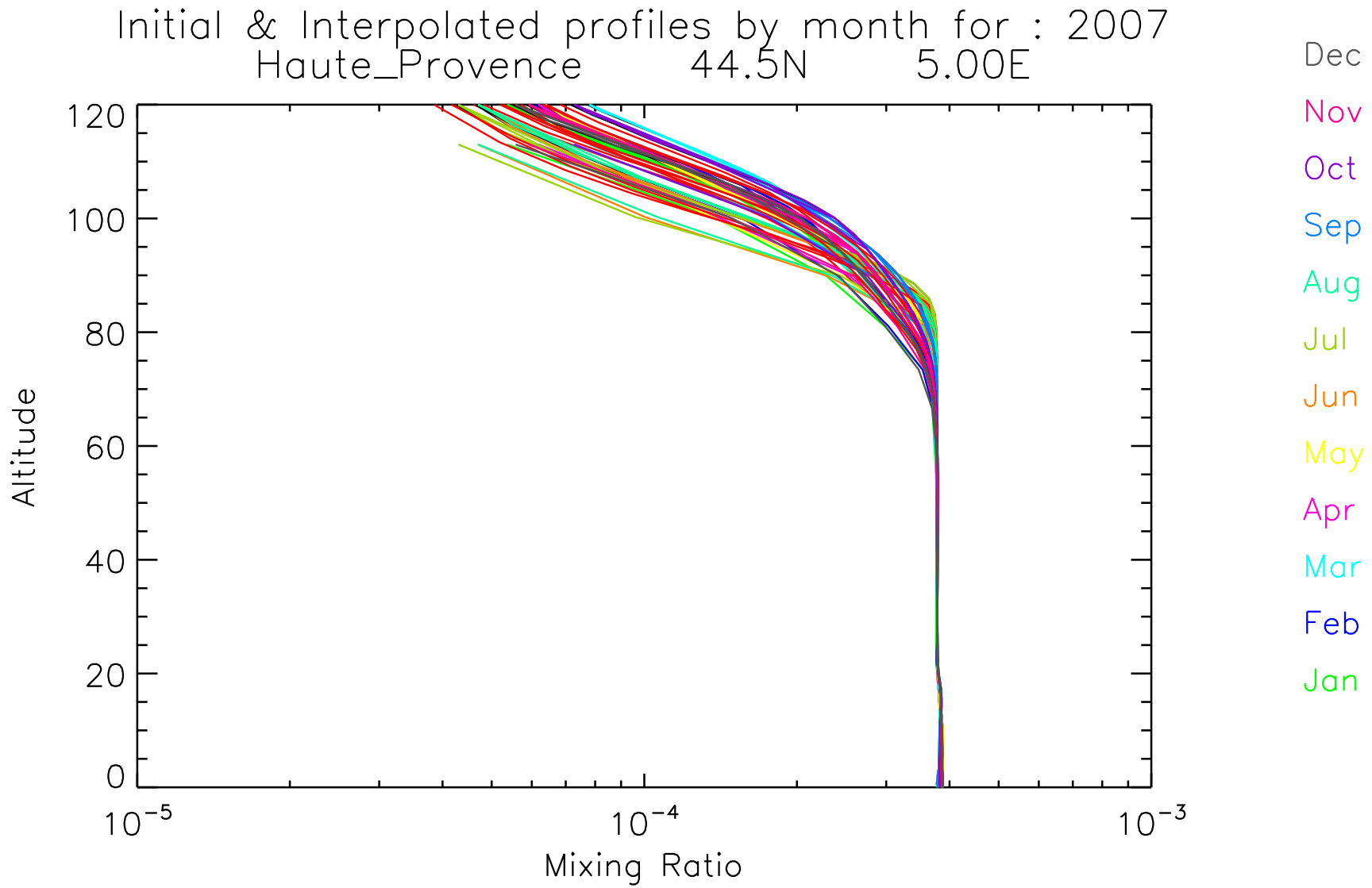
Initial & Interpolated profiles by month for : 2007
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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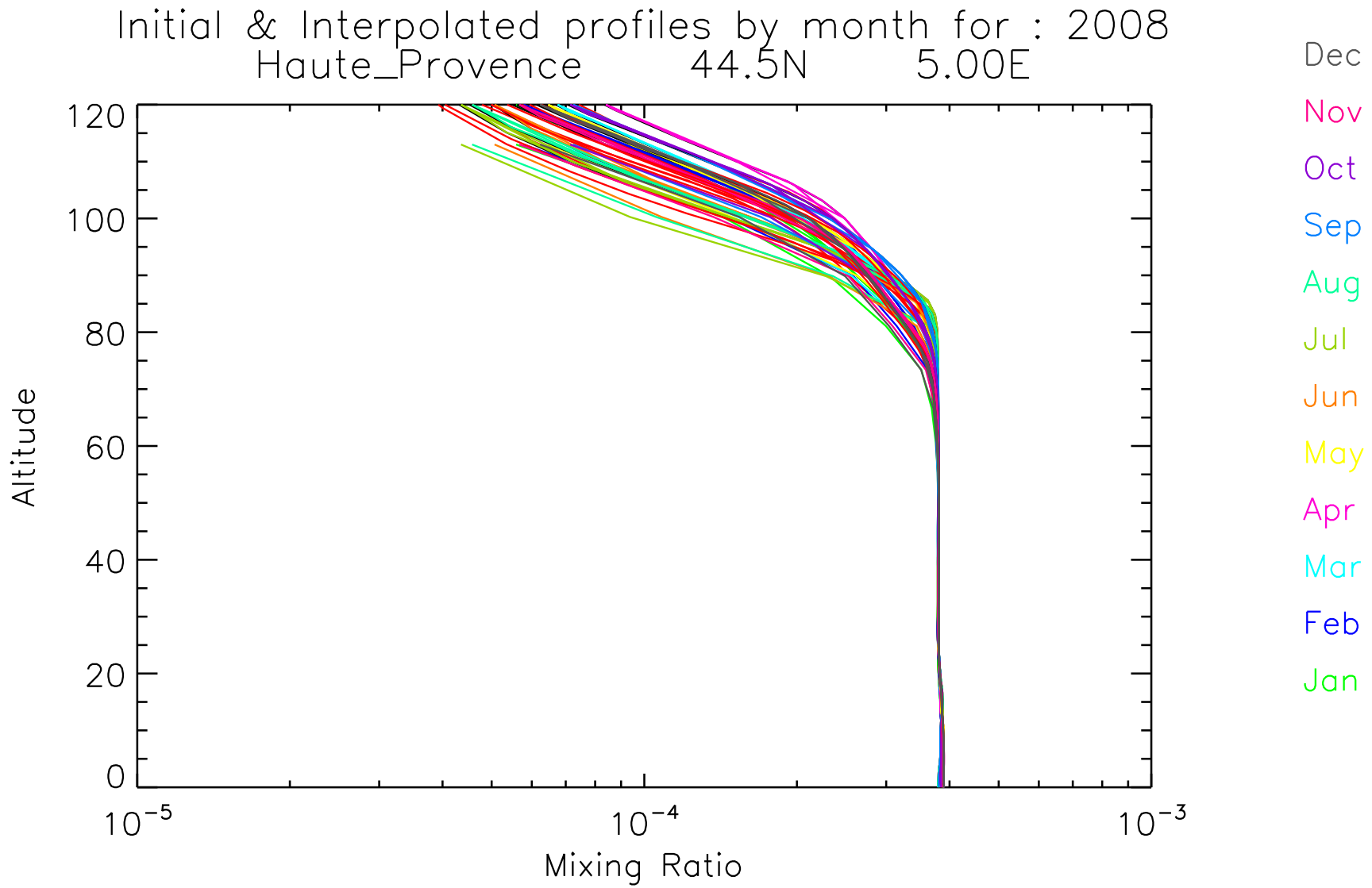
Initial & Interpolated profiles by month for : 2008
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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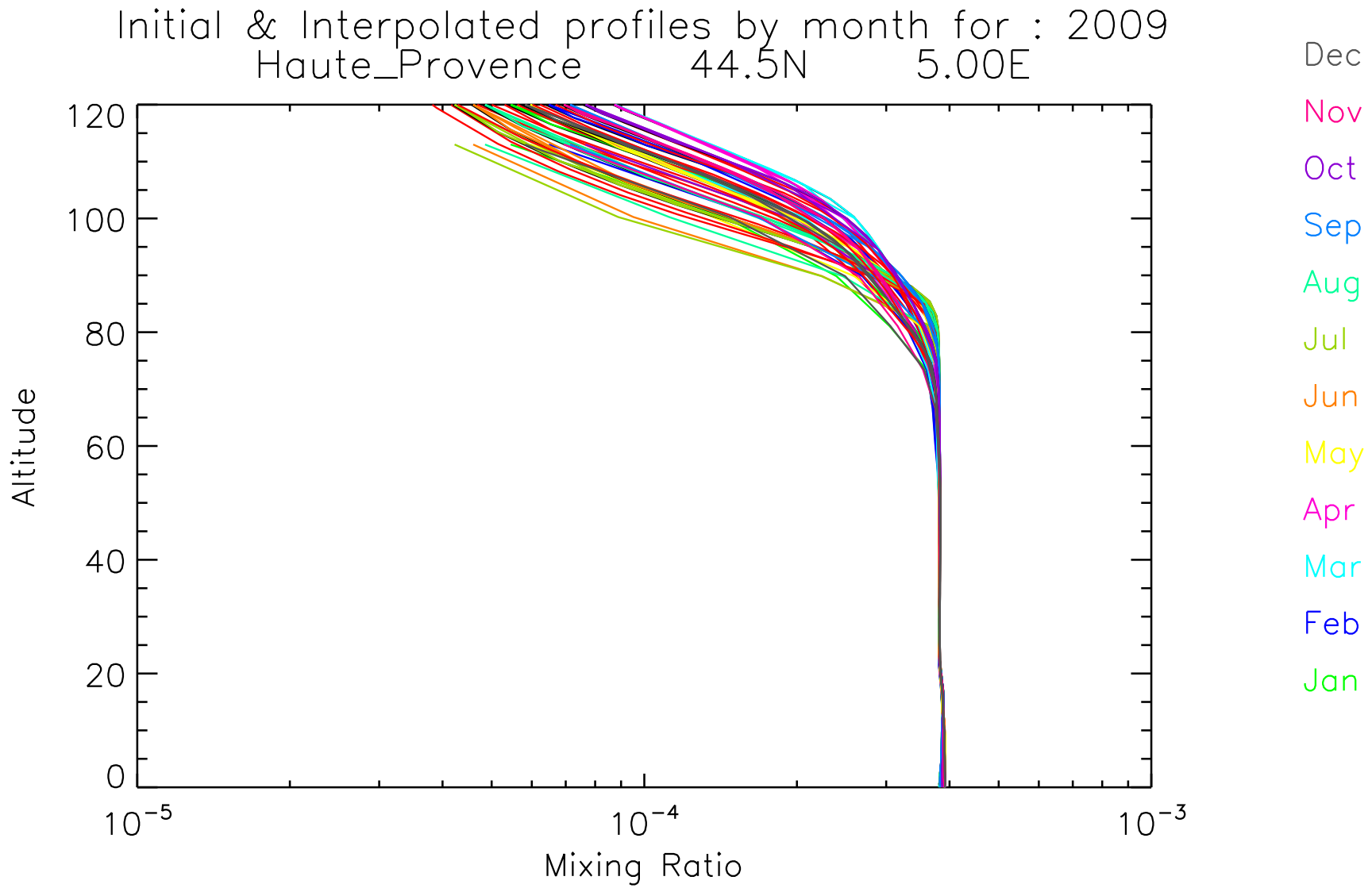
Initial & Interpolated profiles by month for : 2009
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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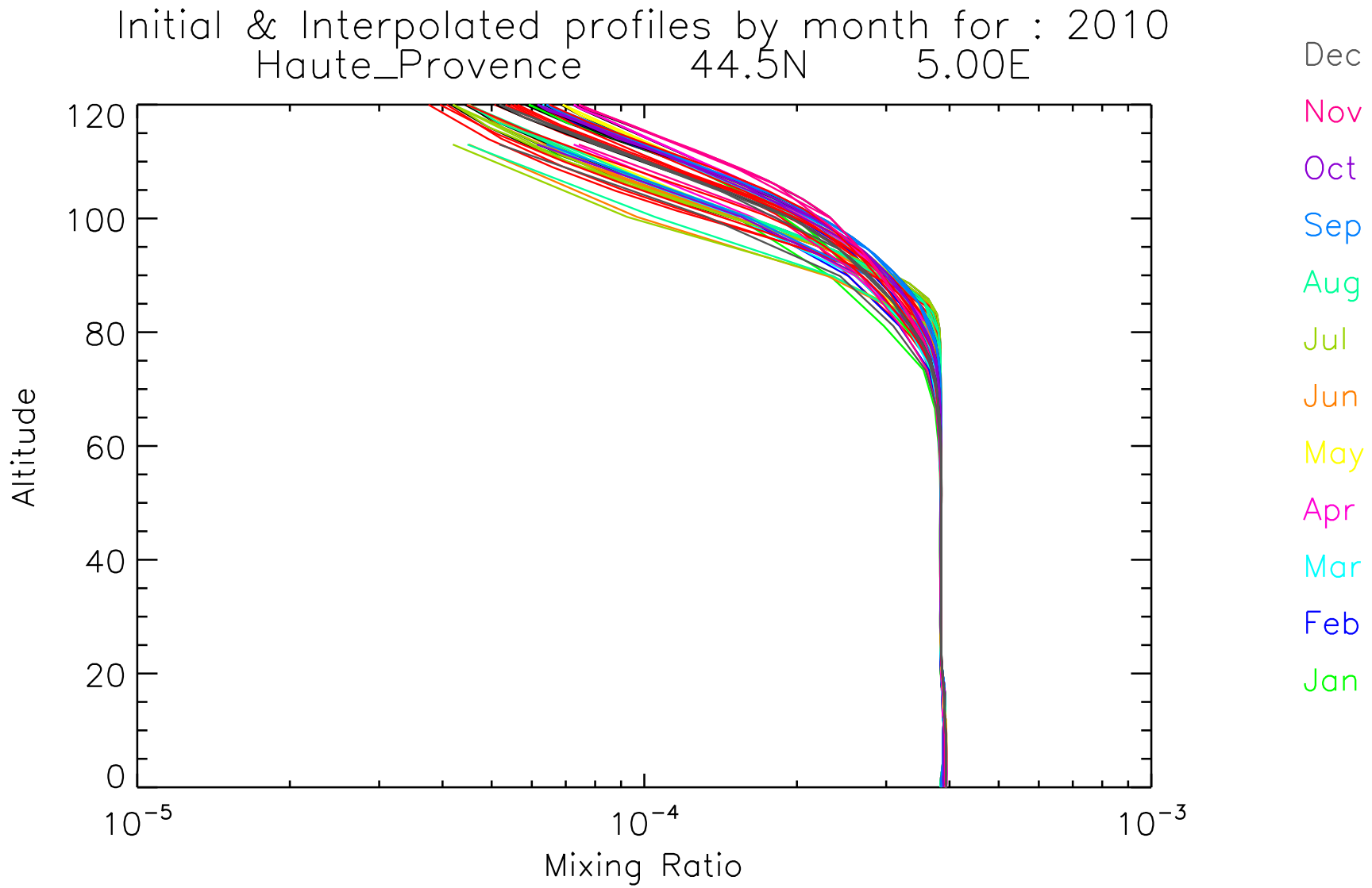
Initial & Interpolated profiles by month for : 2010
Haute_Provence 44.5N 5.00E
Altitude
120
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Mixing Ratio
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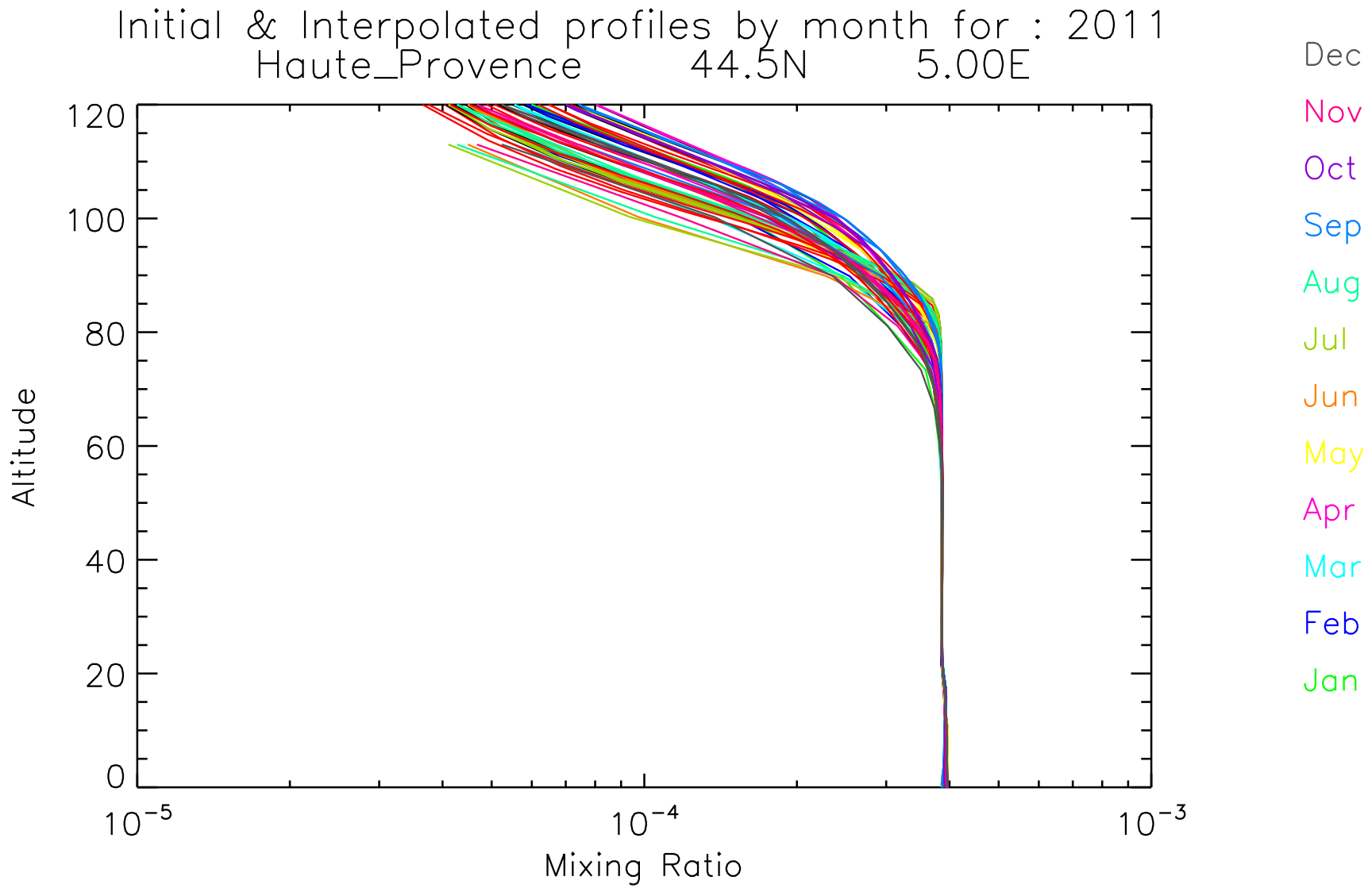
Initial & Interpolated profiles by month for : 2011
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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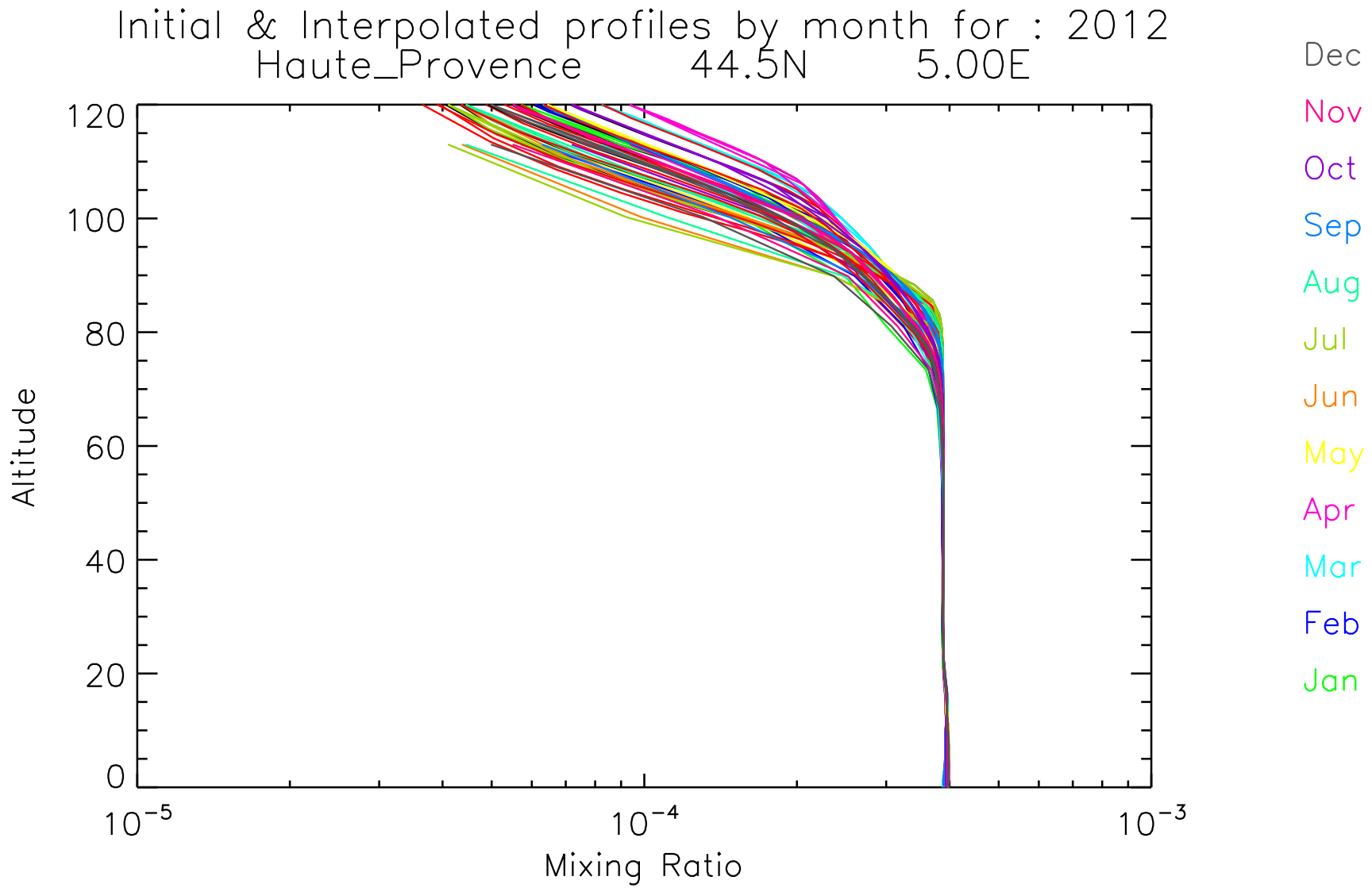
Initial & Interpolated profiles by month for : 2012
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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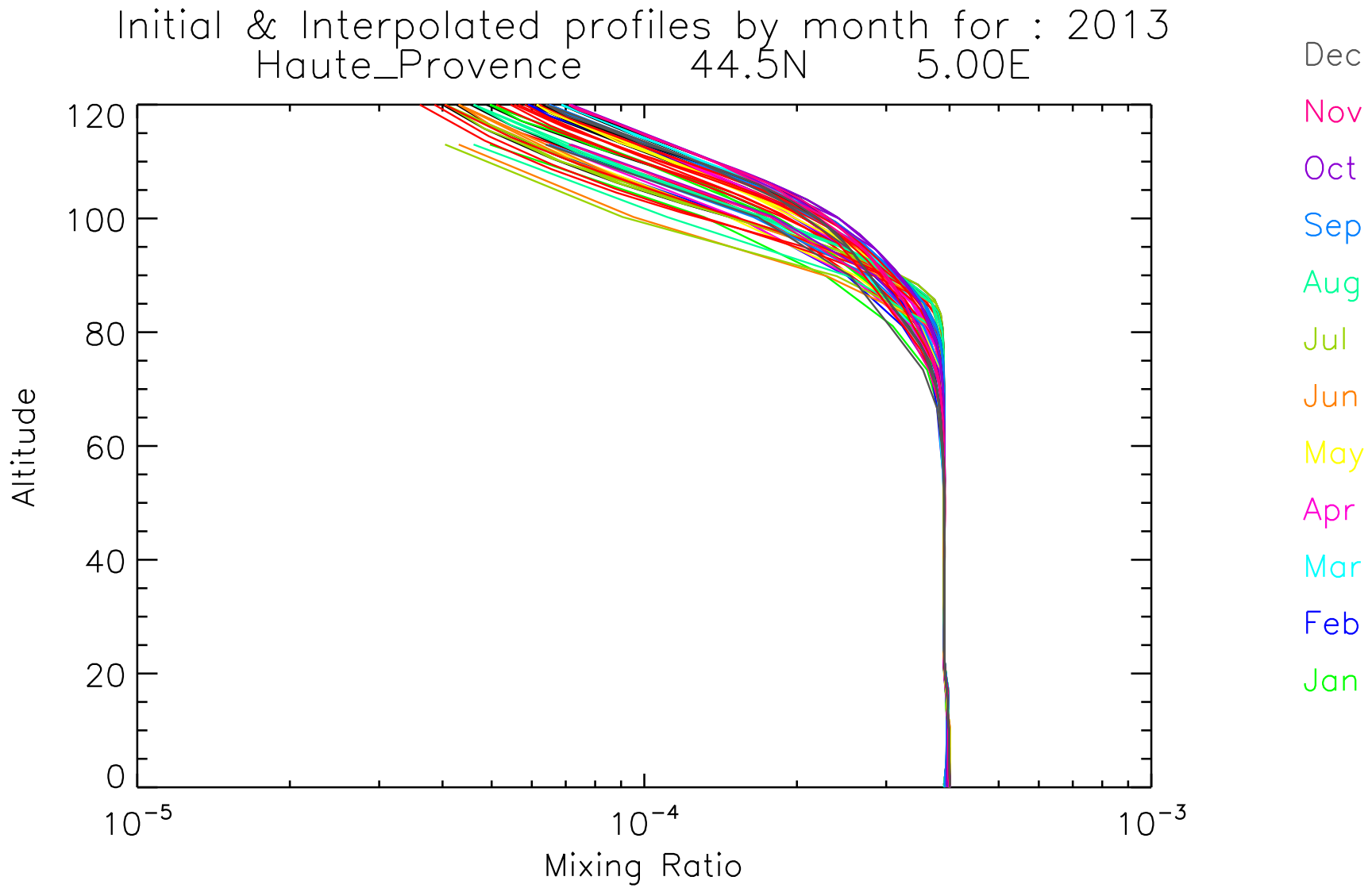
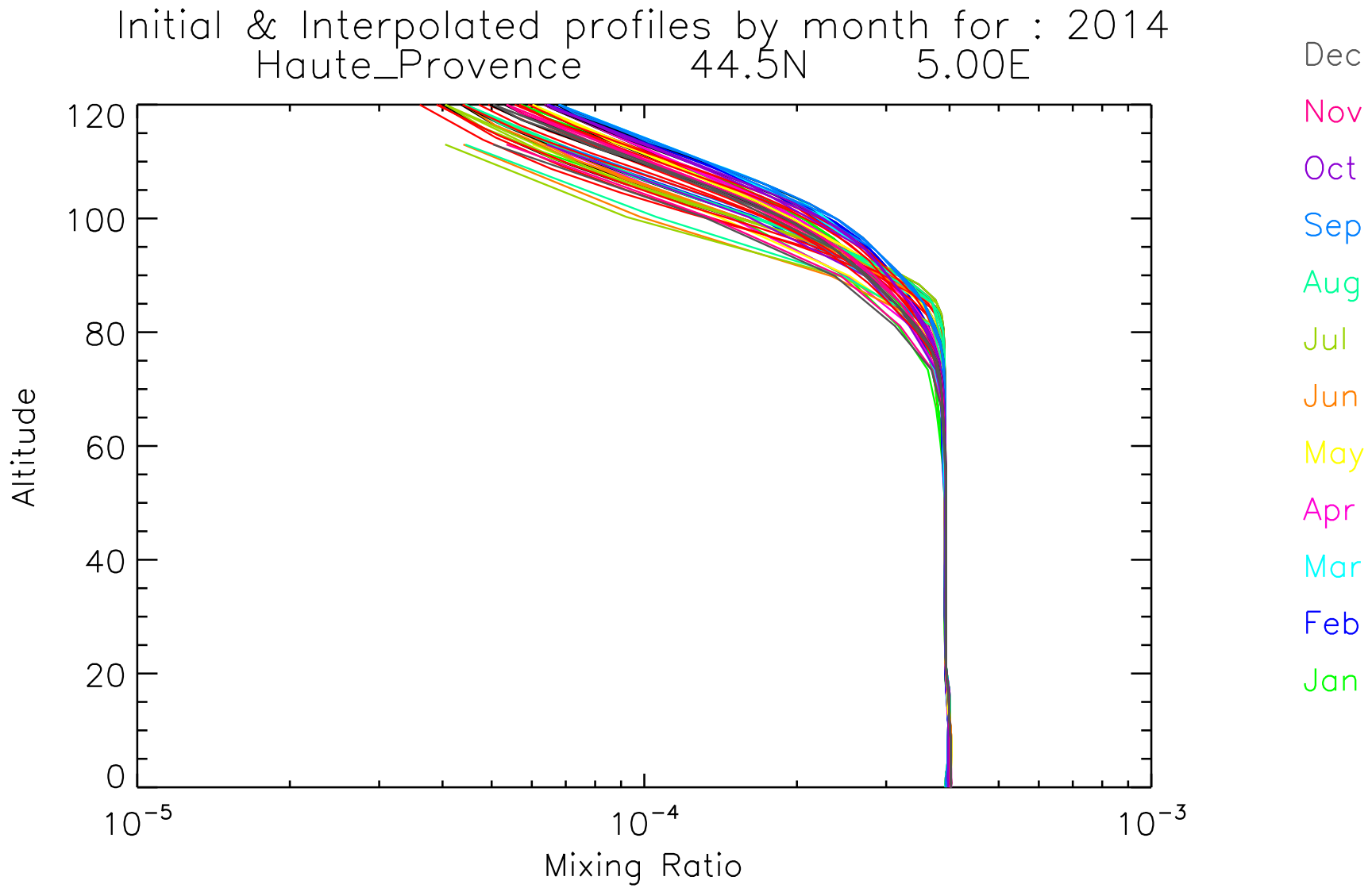
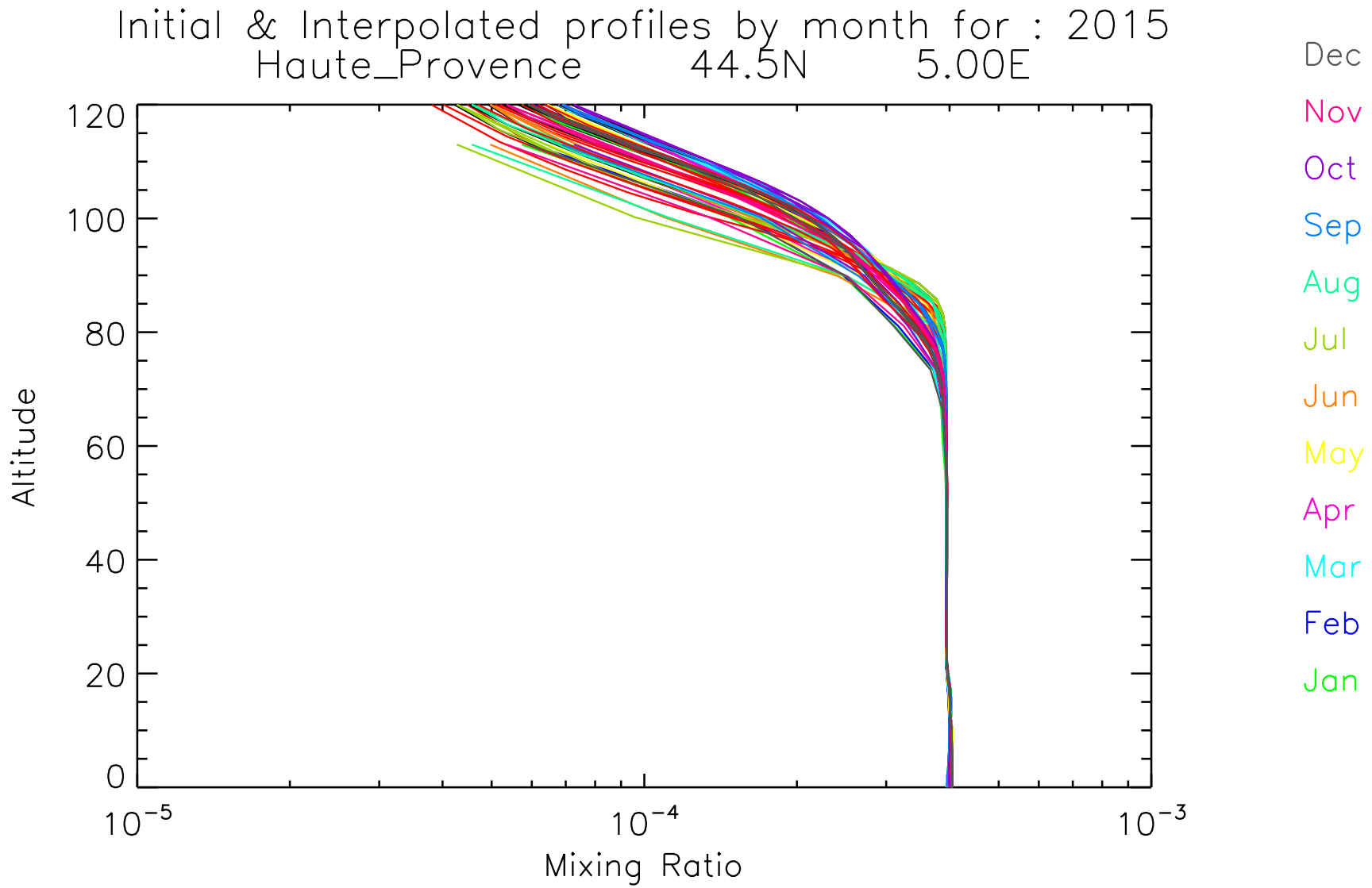
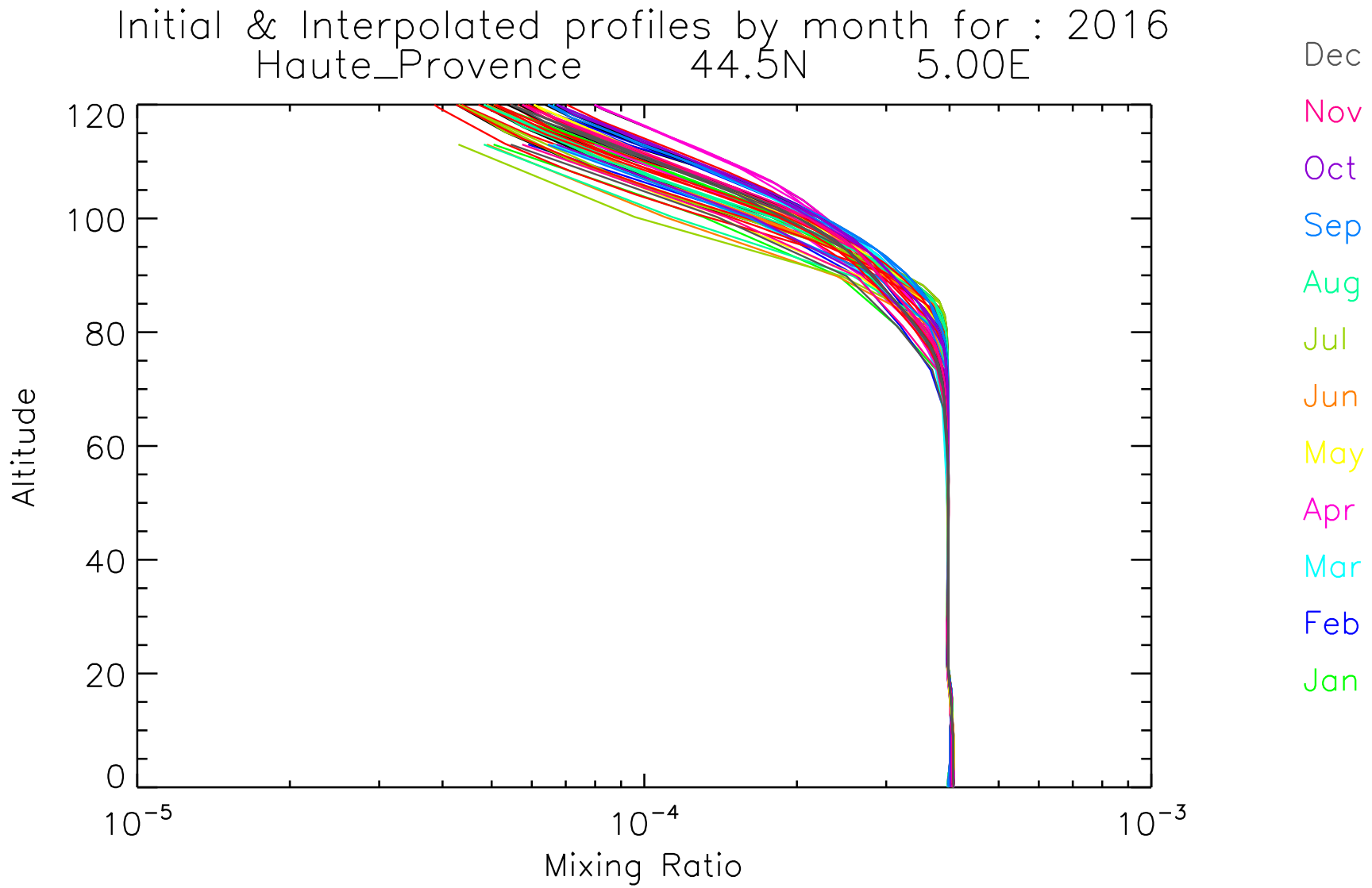
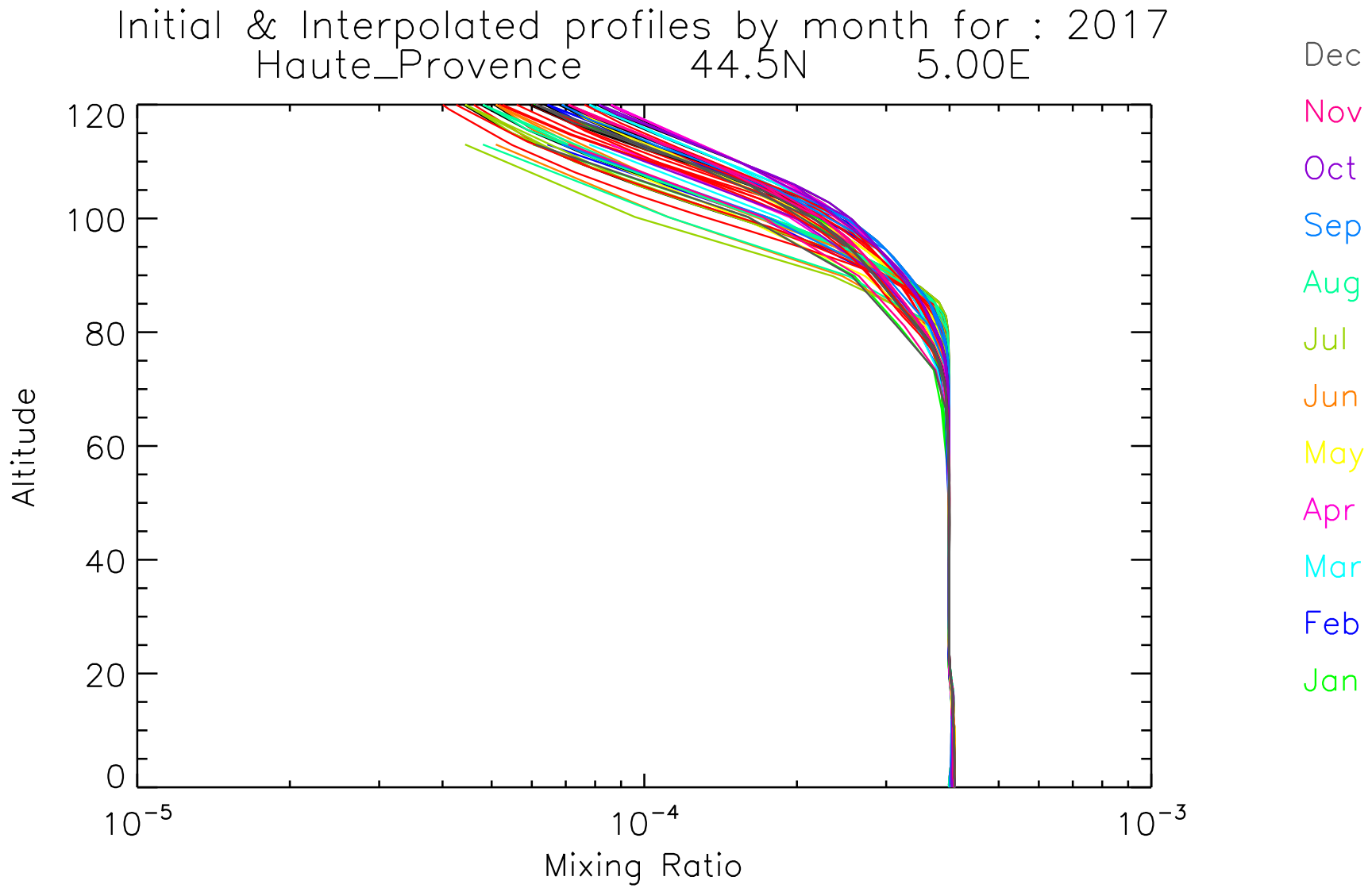
Feb
Jan

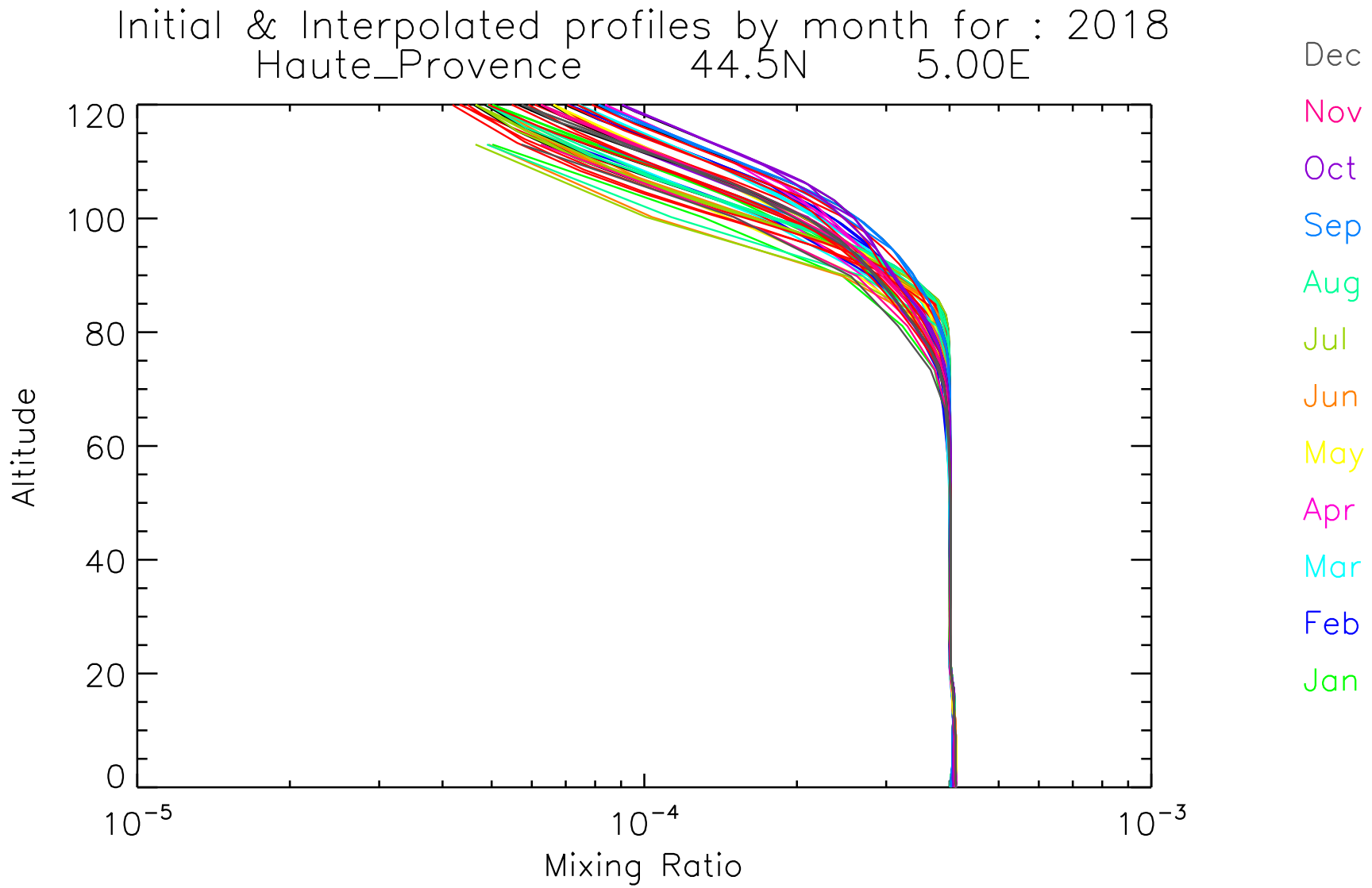

Initial & Interpolated profiles by month for : 2013
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

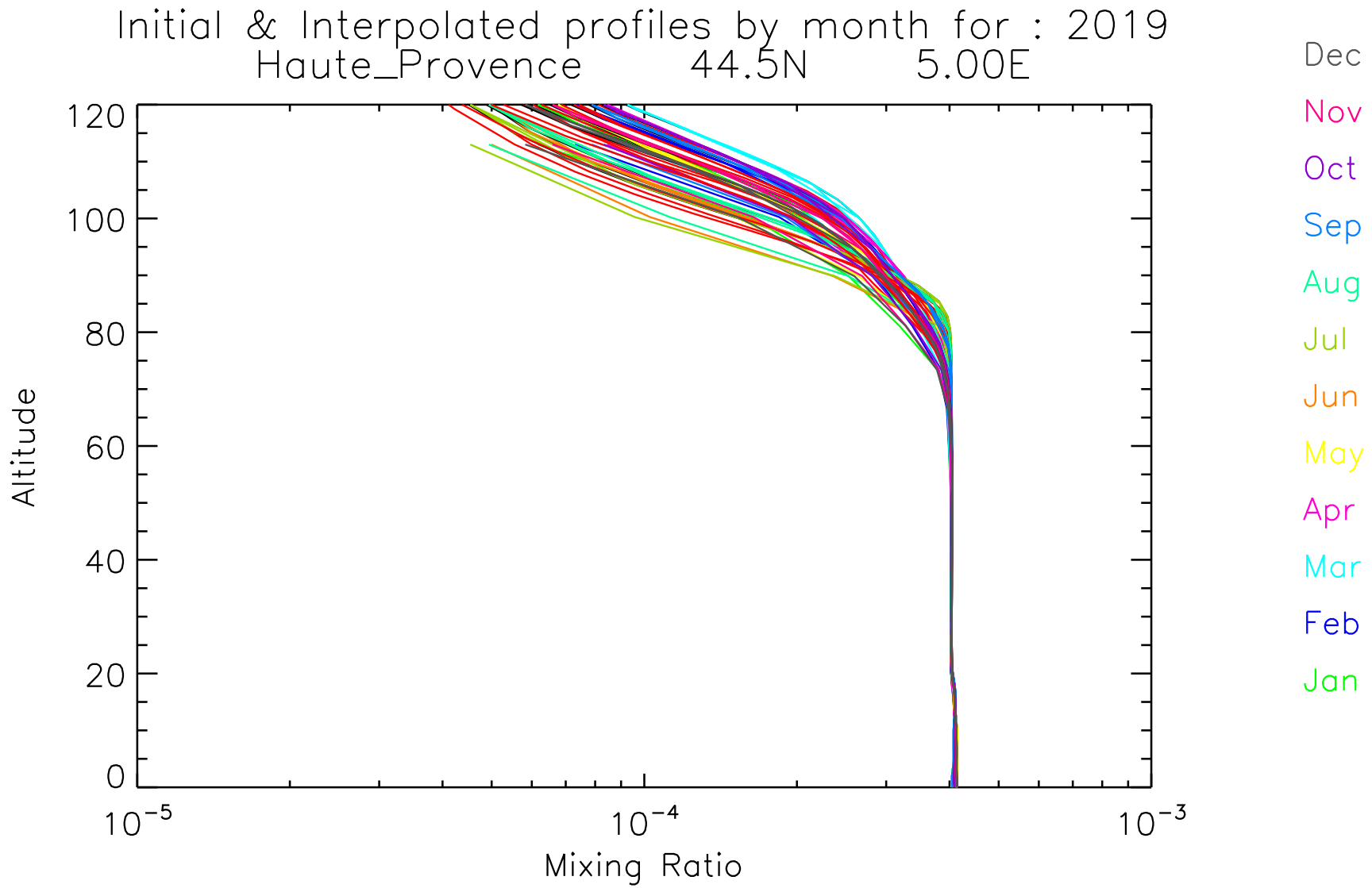

Initial & Interpolated profiles by month for : 2014
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

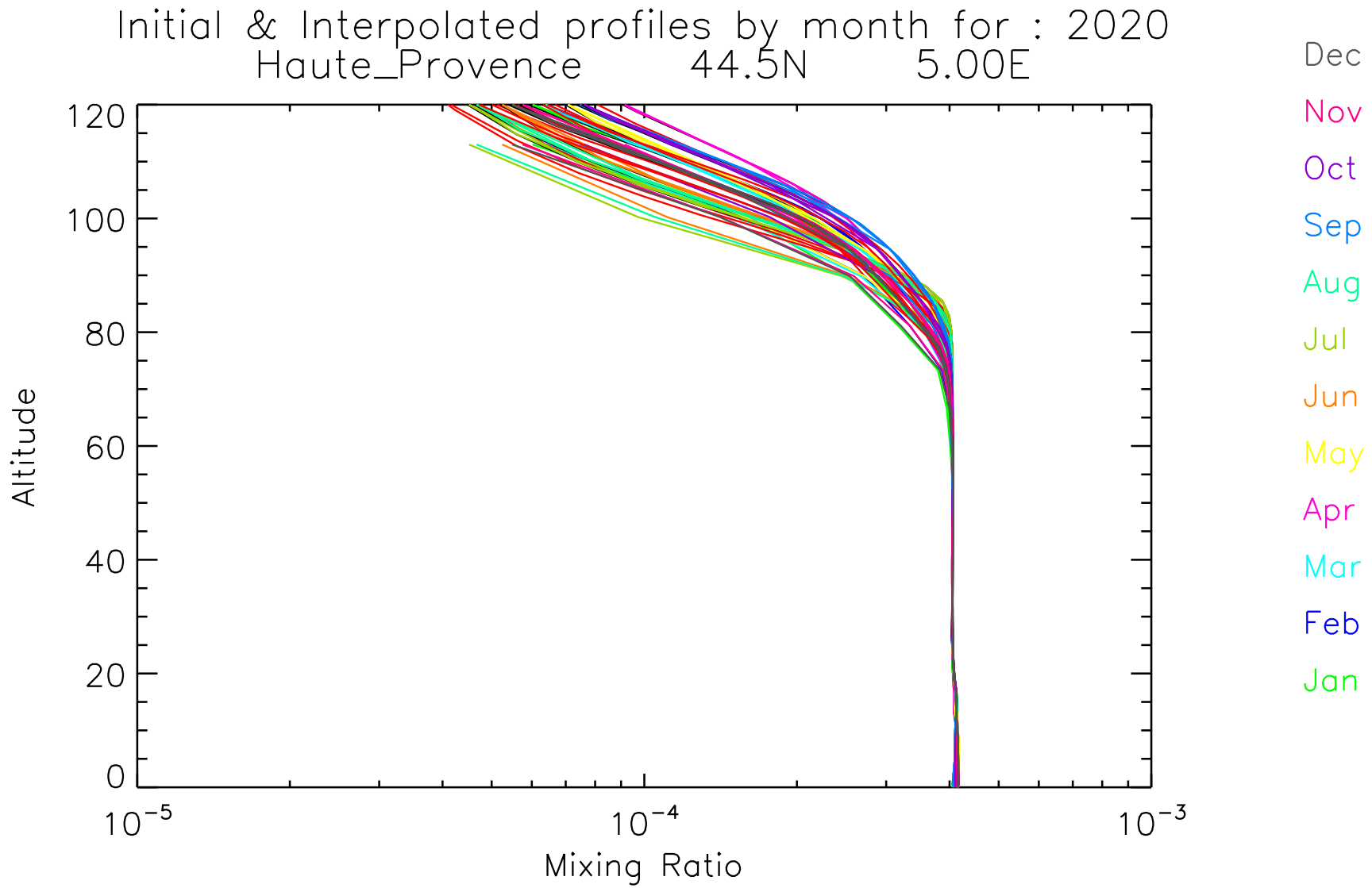

Initial & Interpolated profiles by month for : 2015
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

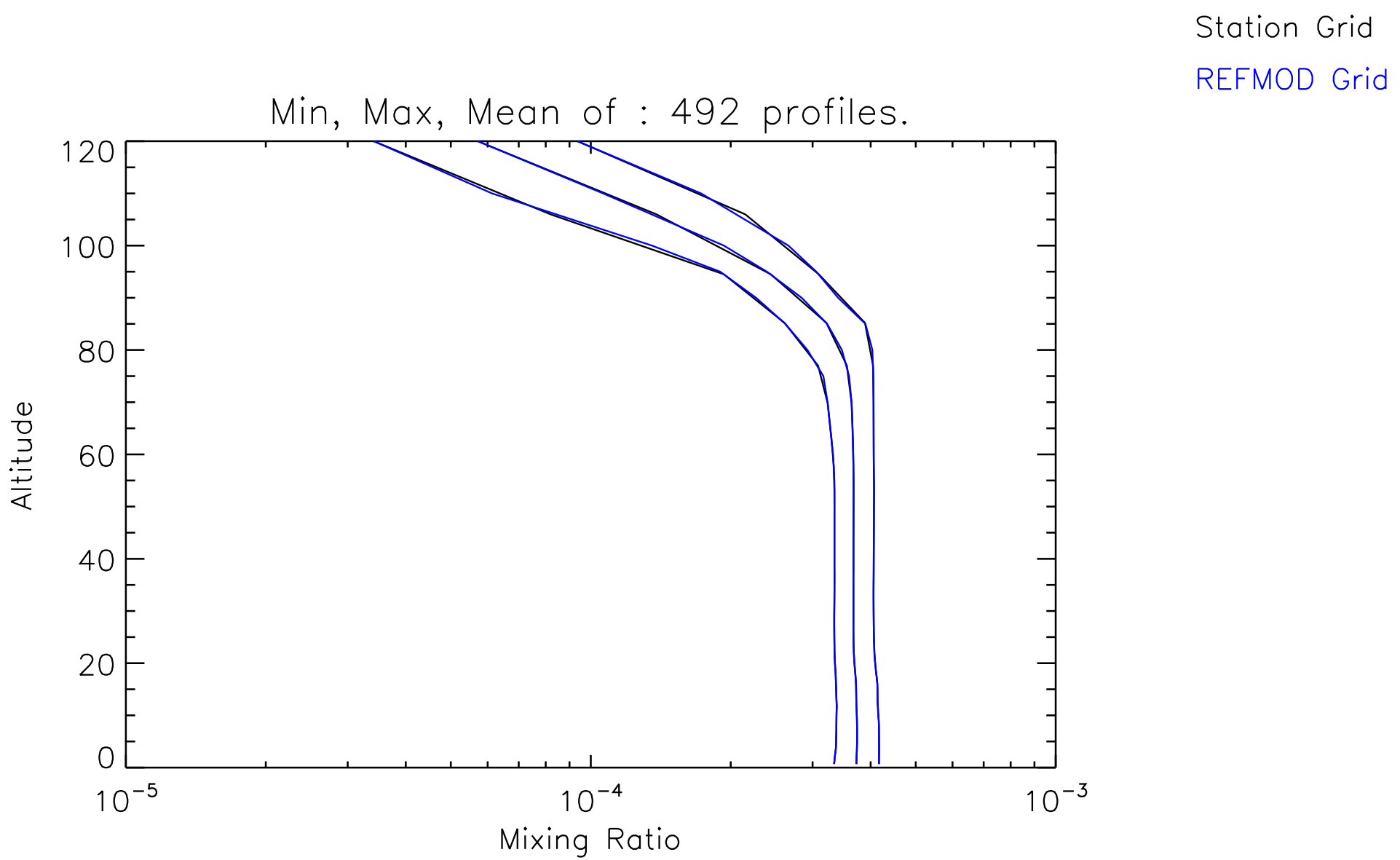

Initial & Interpolated profiles by month for : 2016
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

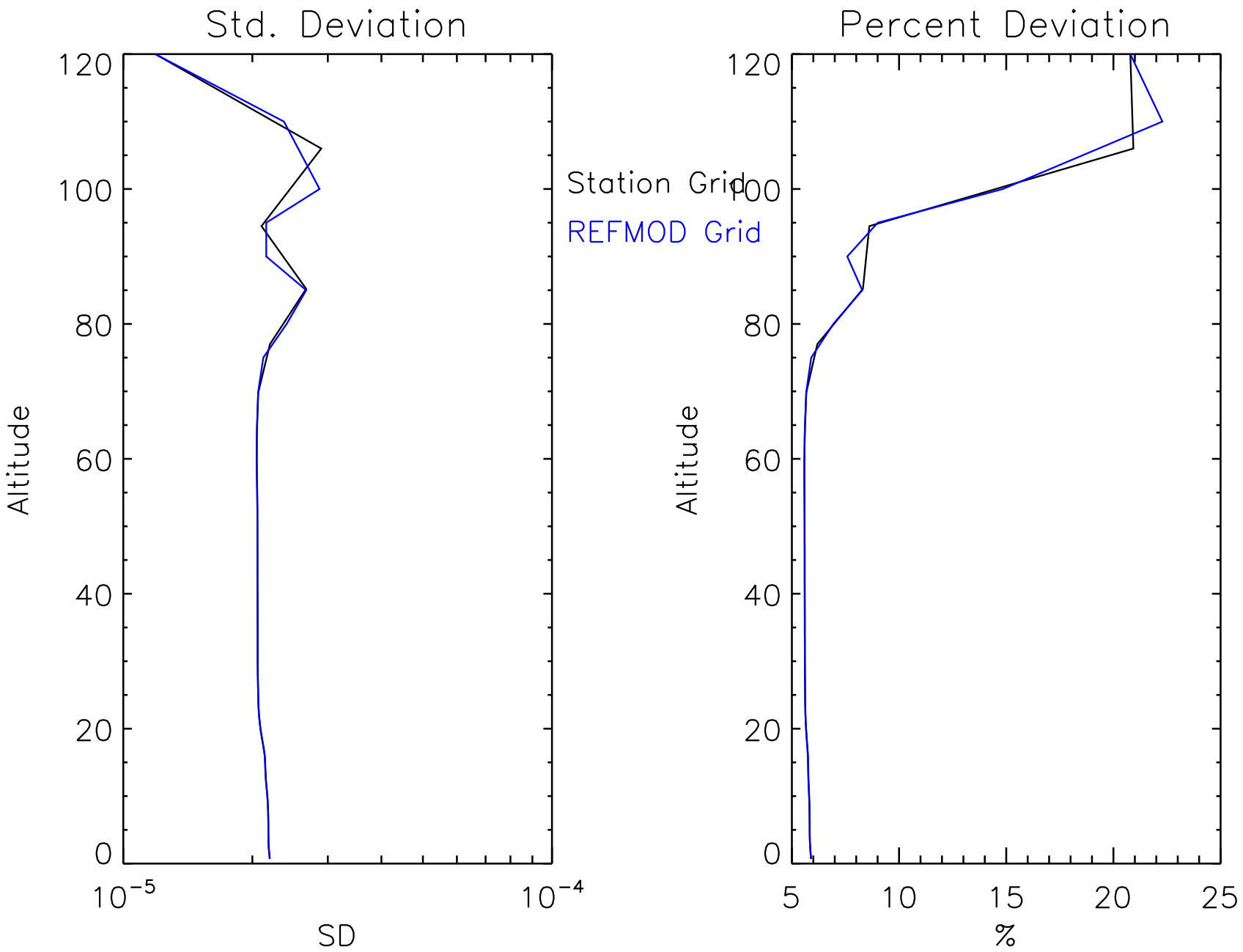

Initial & Interpolated profiles by month for : 2017
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

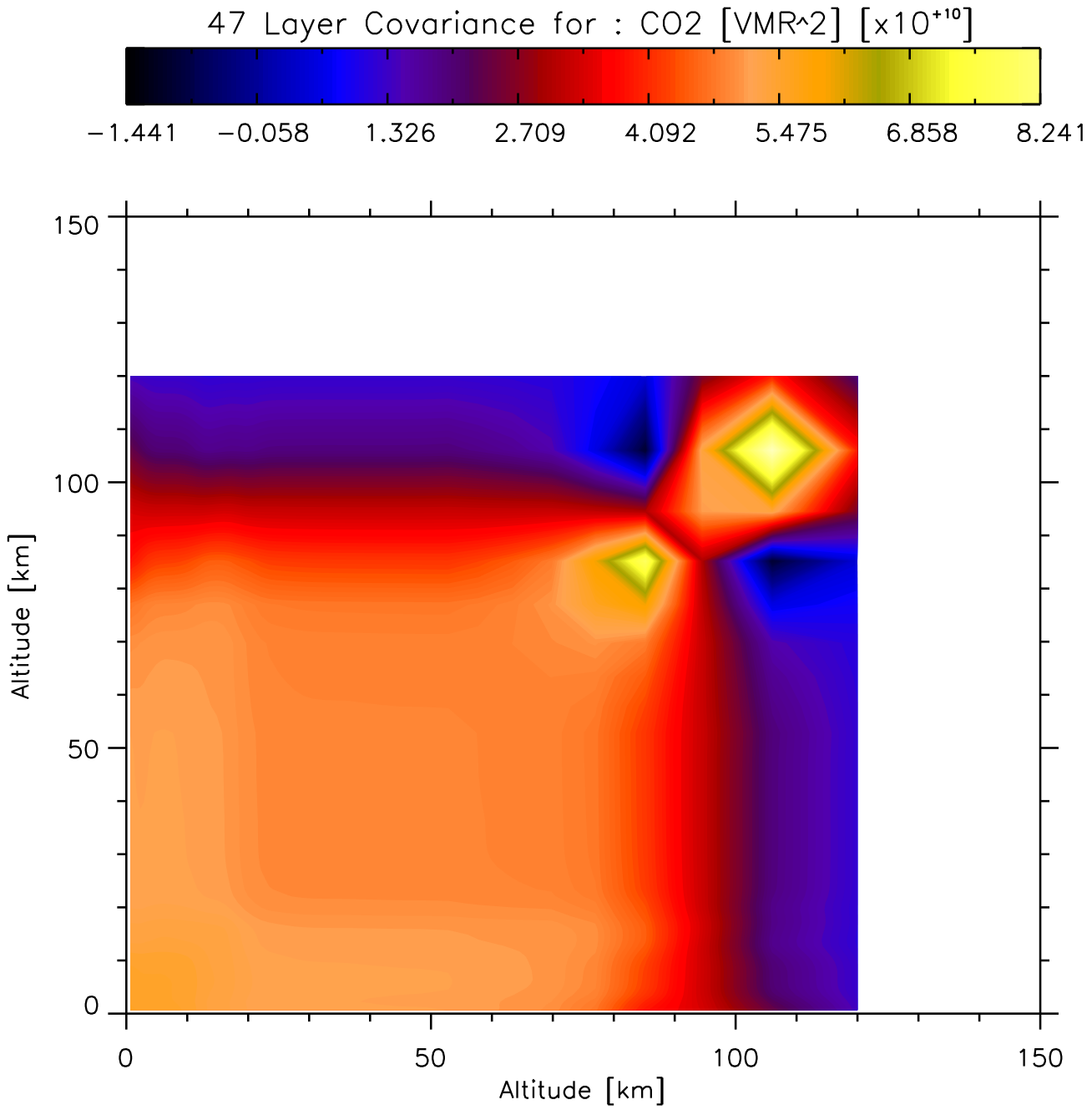

Initial & Interpolated profiles by month for : 2018
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

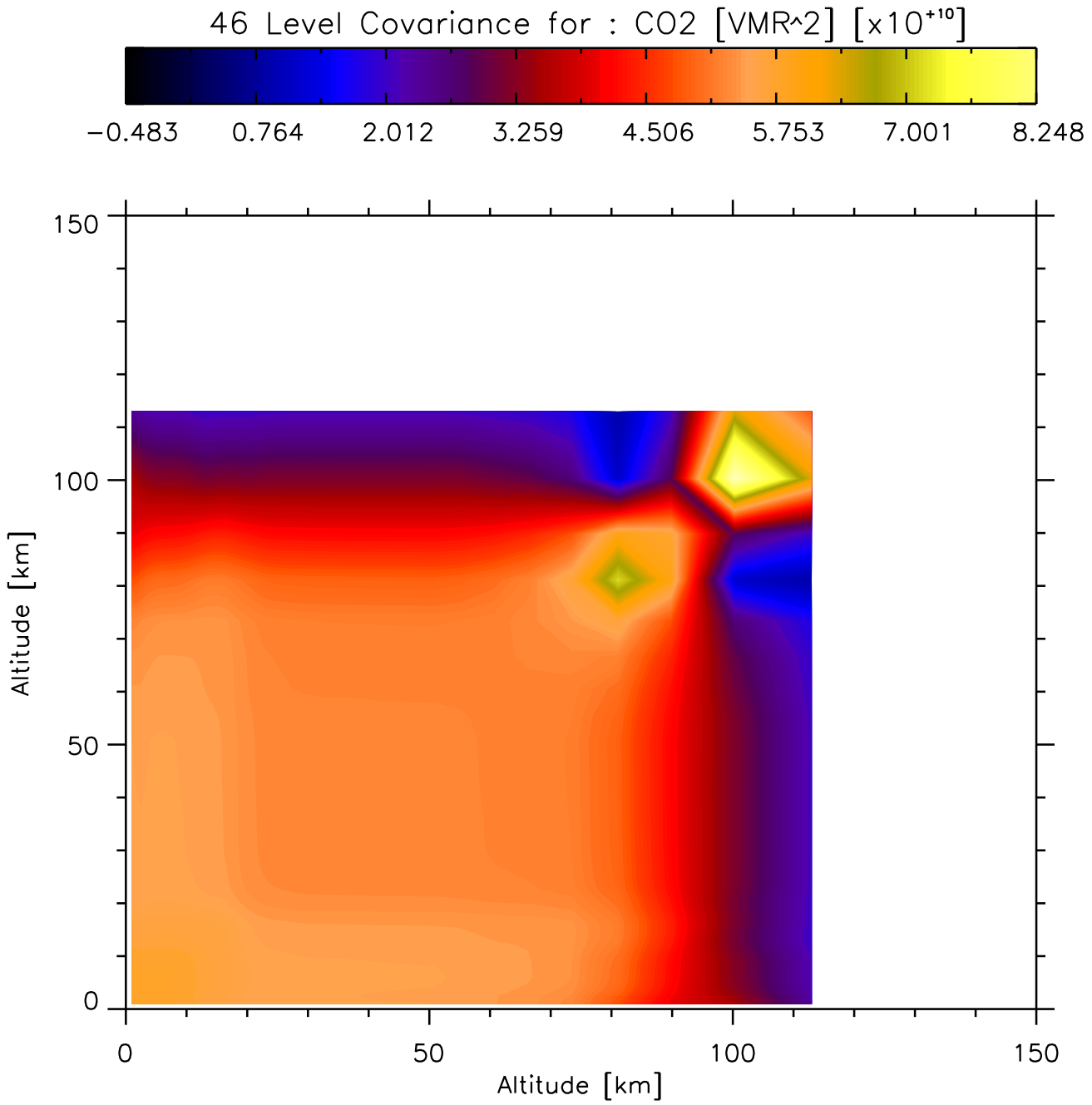

Initial & Interpolated profiles by month for : 2020
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

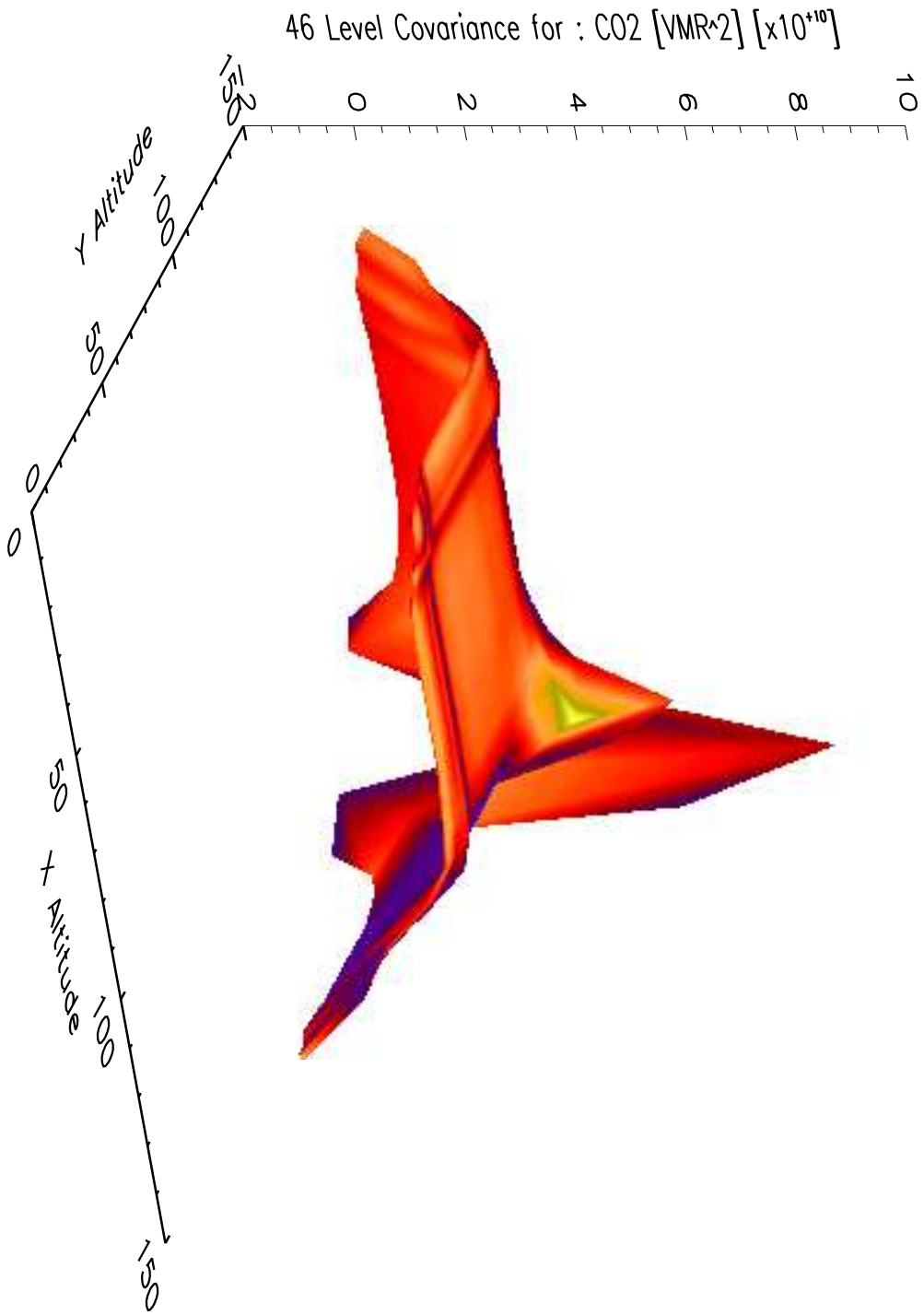

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-5}
10^{-4}
10^{-3}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-5}
10^{-4}
SD
5
10
15
20
25
%


47 Layer Covariance for : CO2 [VMR^2] [x10^+10]
−1.441
−0.058
1.326
2.709
4.092
5.475
6.858
8.241
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

47 Layer Covariance for : CO2 [VMR^2] [x10^-7]
X Altitude
Y Altitude
0
50
100
150
0
20
40
60
80
100
120
0
2
4
6
8
10


46 Level Covariance for : CO2 [VMR^2] [x10^+10]
−0.483
0.764
2.012
3.259
4.506
5.753
7.001
8.248
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


46 Level Covariance for : CO2 [VMR^2] [x10^+10]
-150
0
2
4
6
8
10
Y Altitude
100
50
0
0
50
X Altitude
100
150