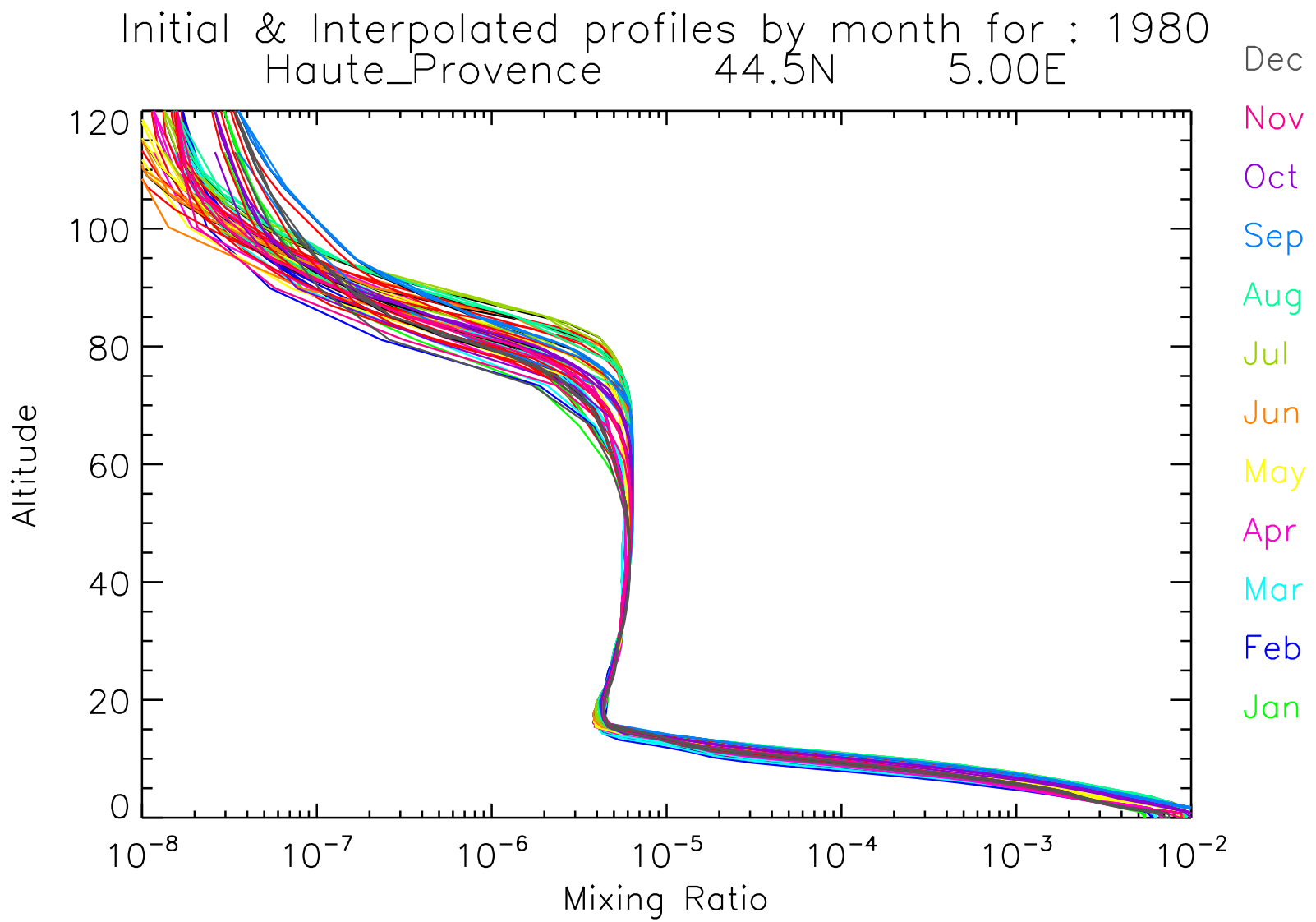
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Altitude
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Mixing Ratio
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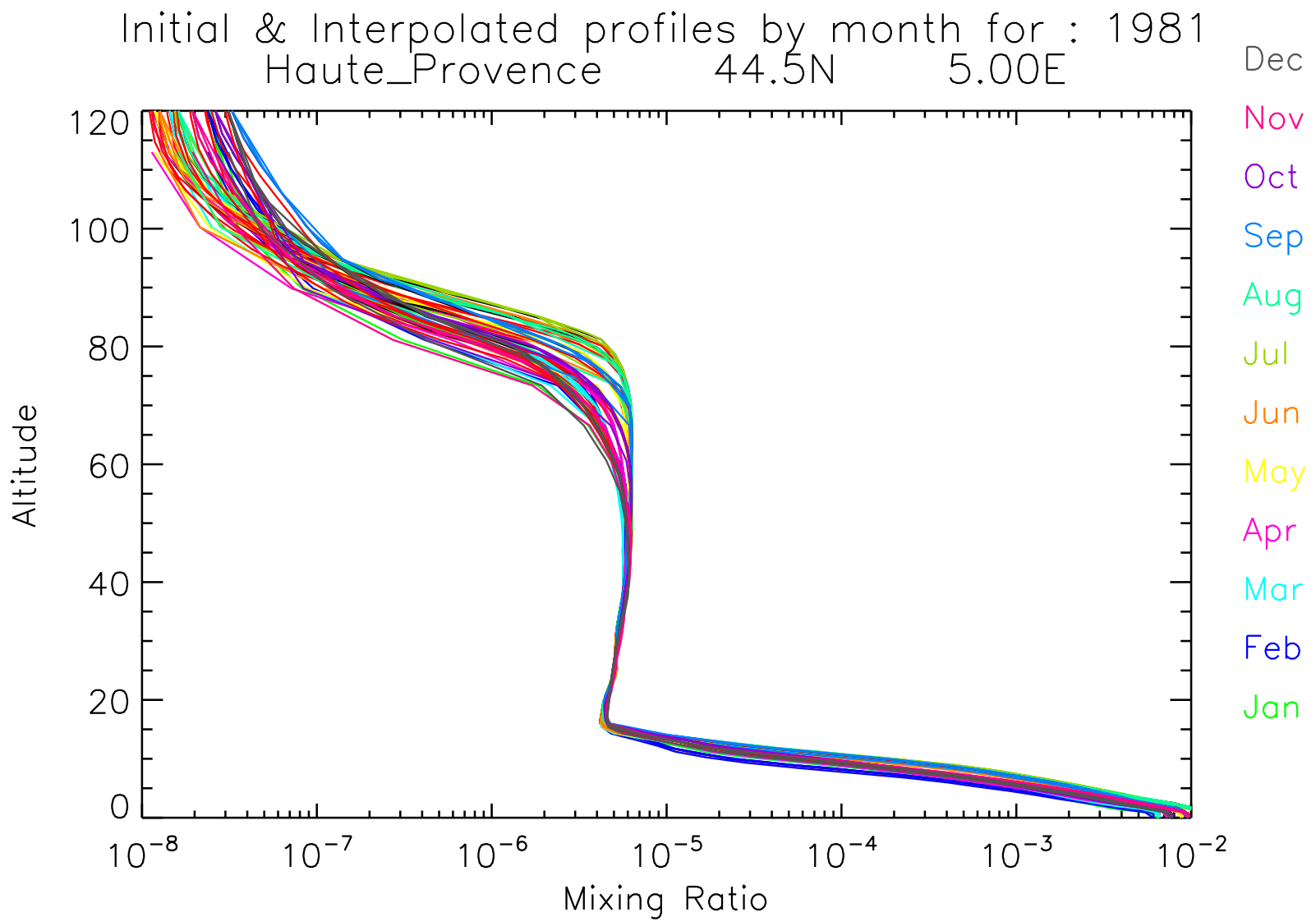
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Altitude
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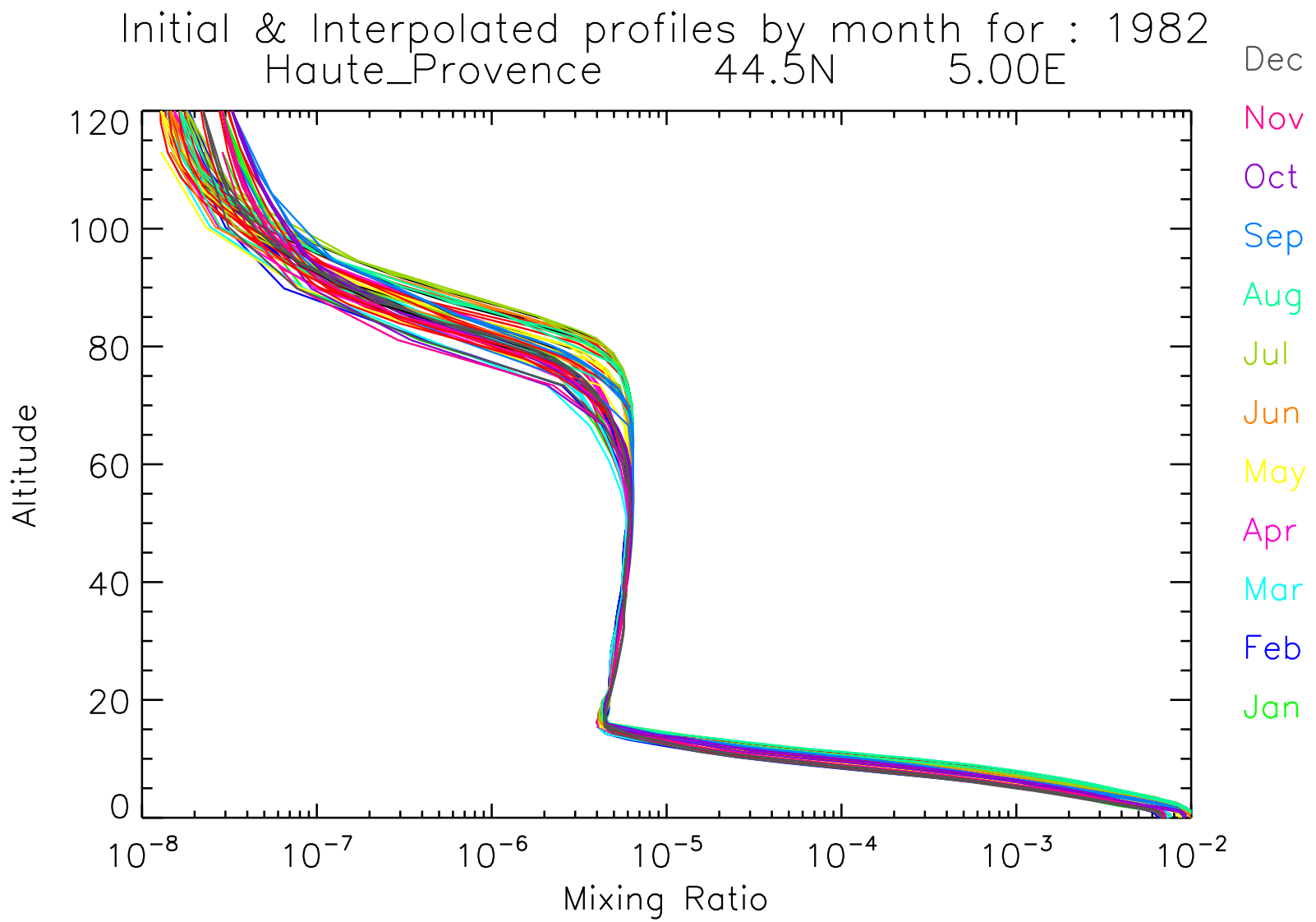
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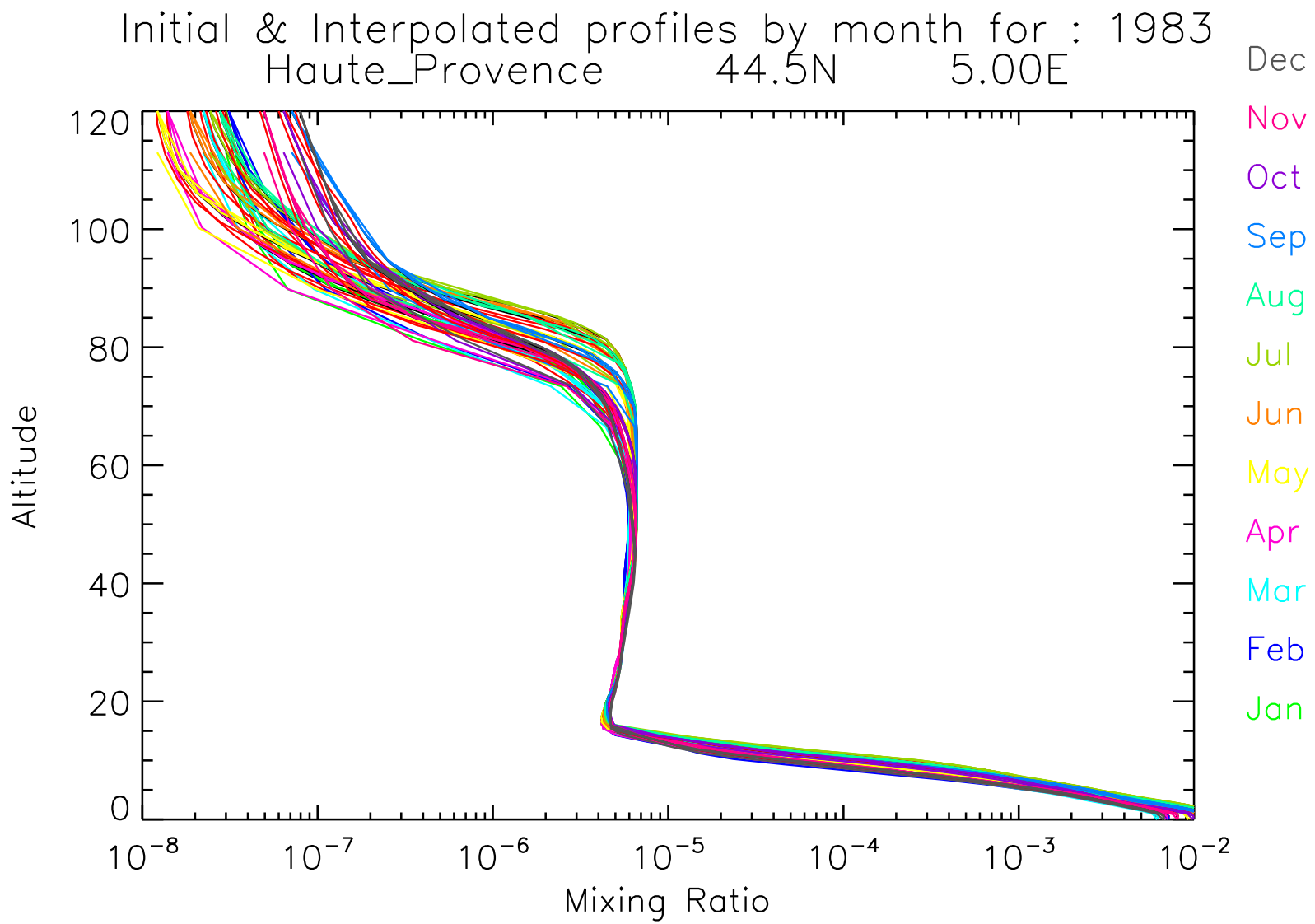
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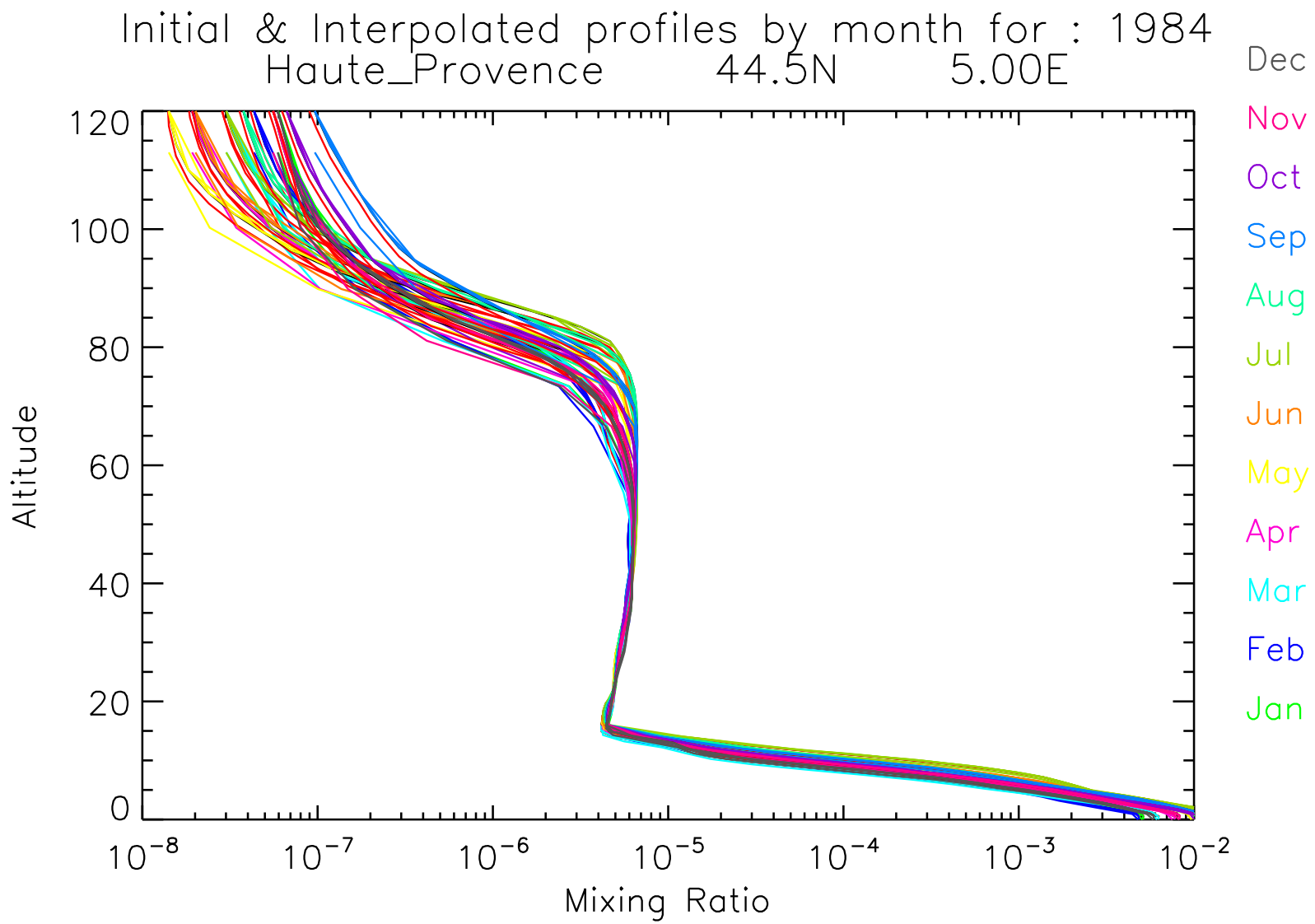
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Altitude
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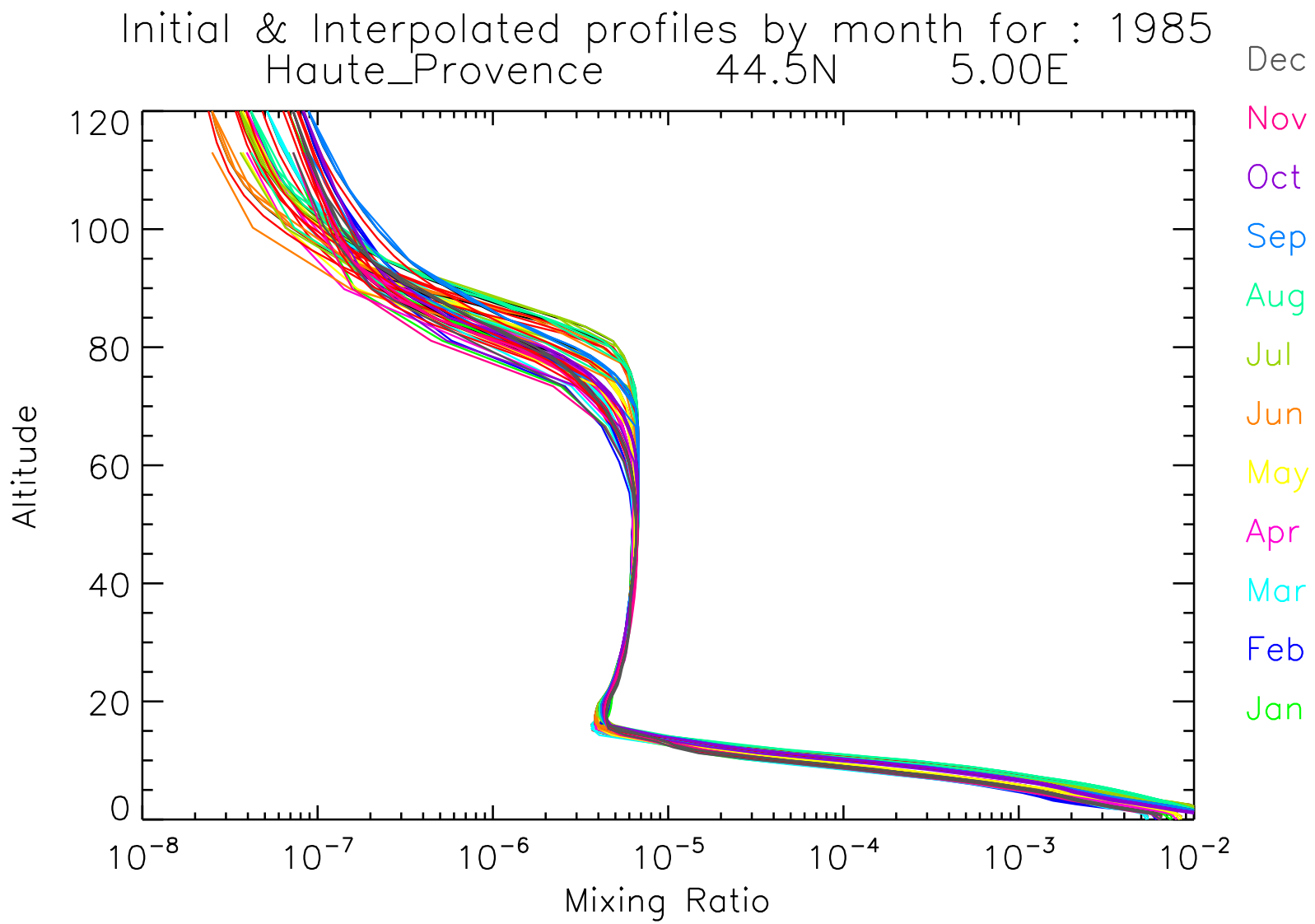
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Altitude
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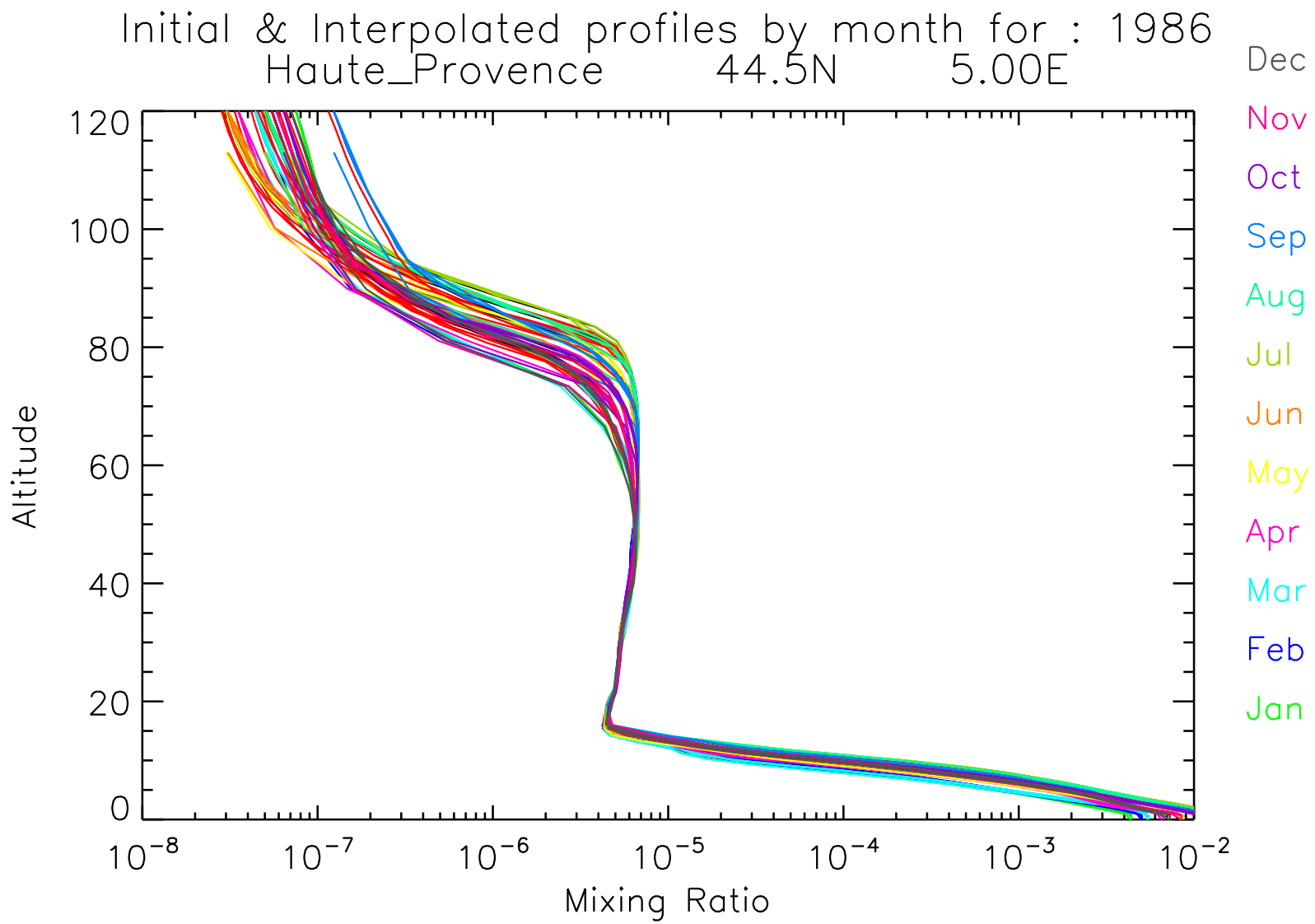
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Altitude
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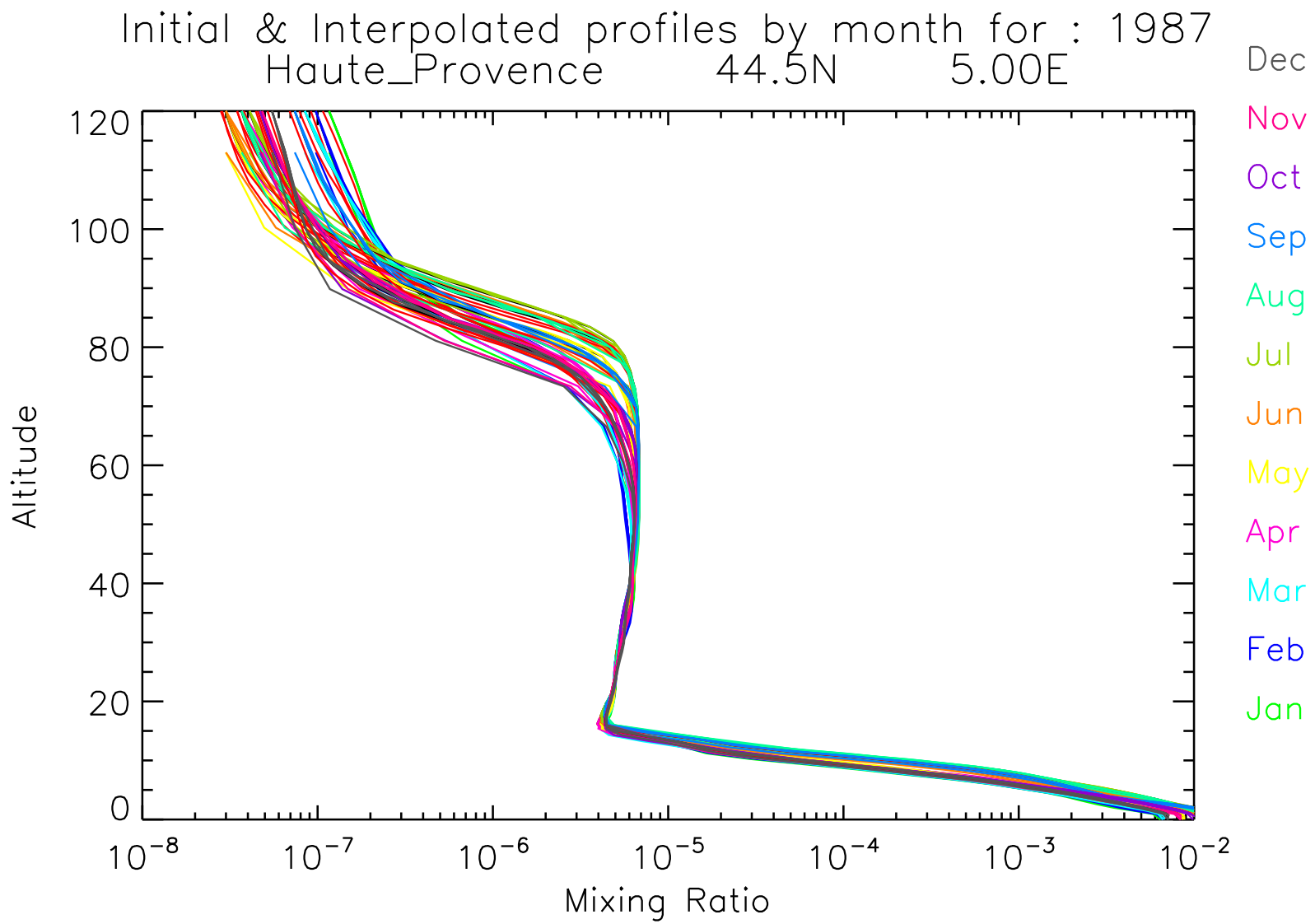
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Altitude
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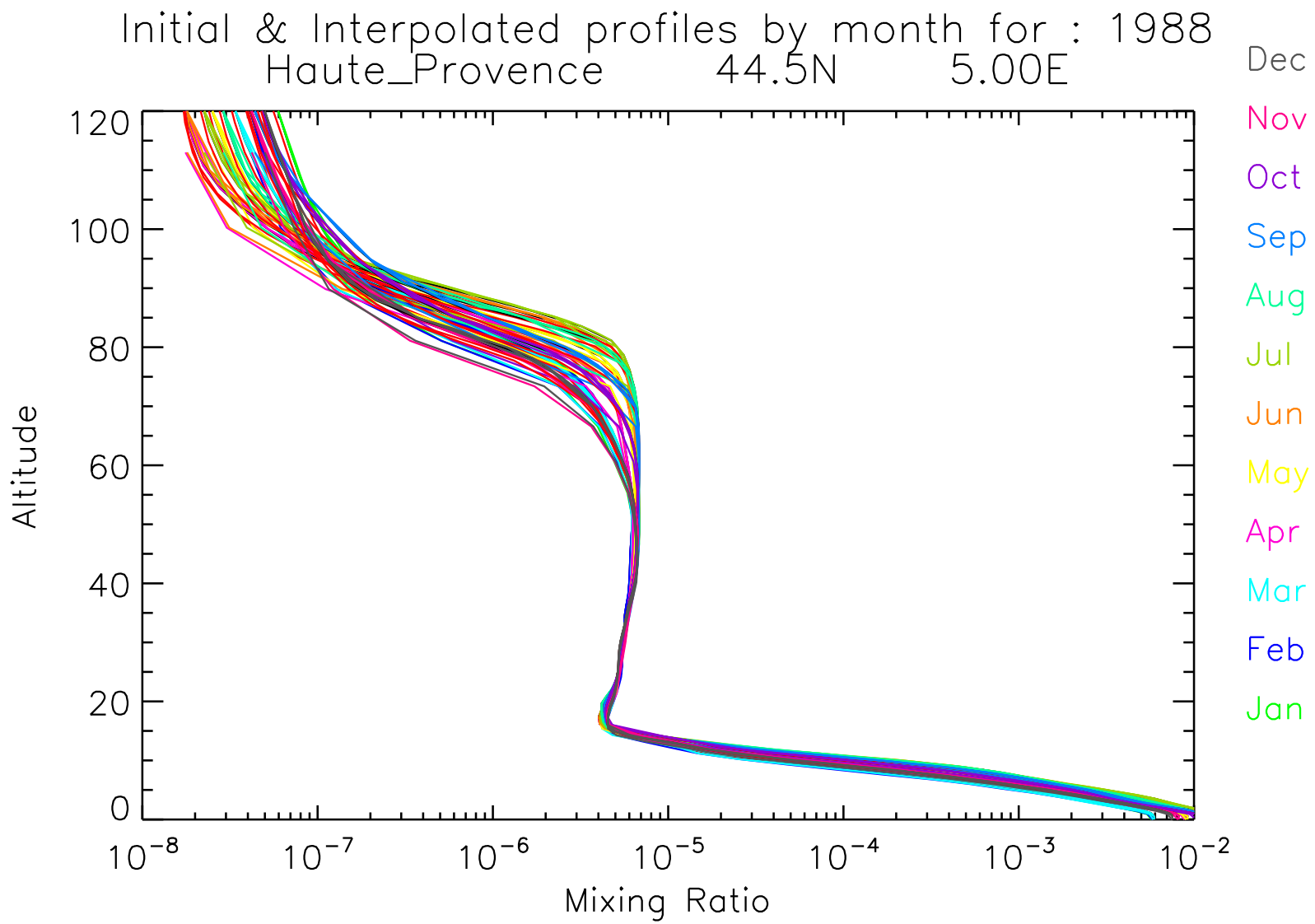
Initial & Interpolated profiles by month for : 1988
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Altitude
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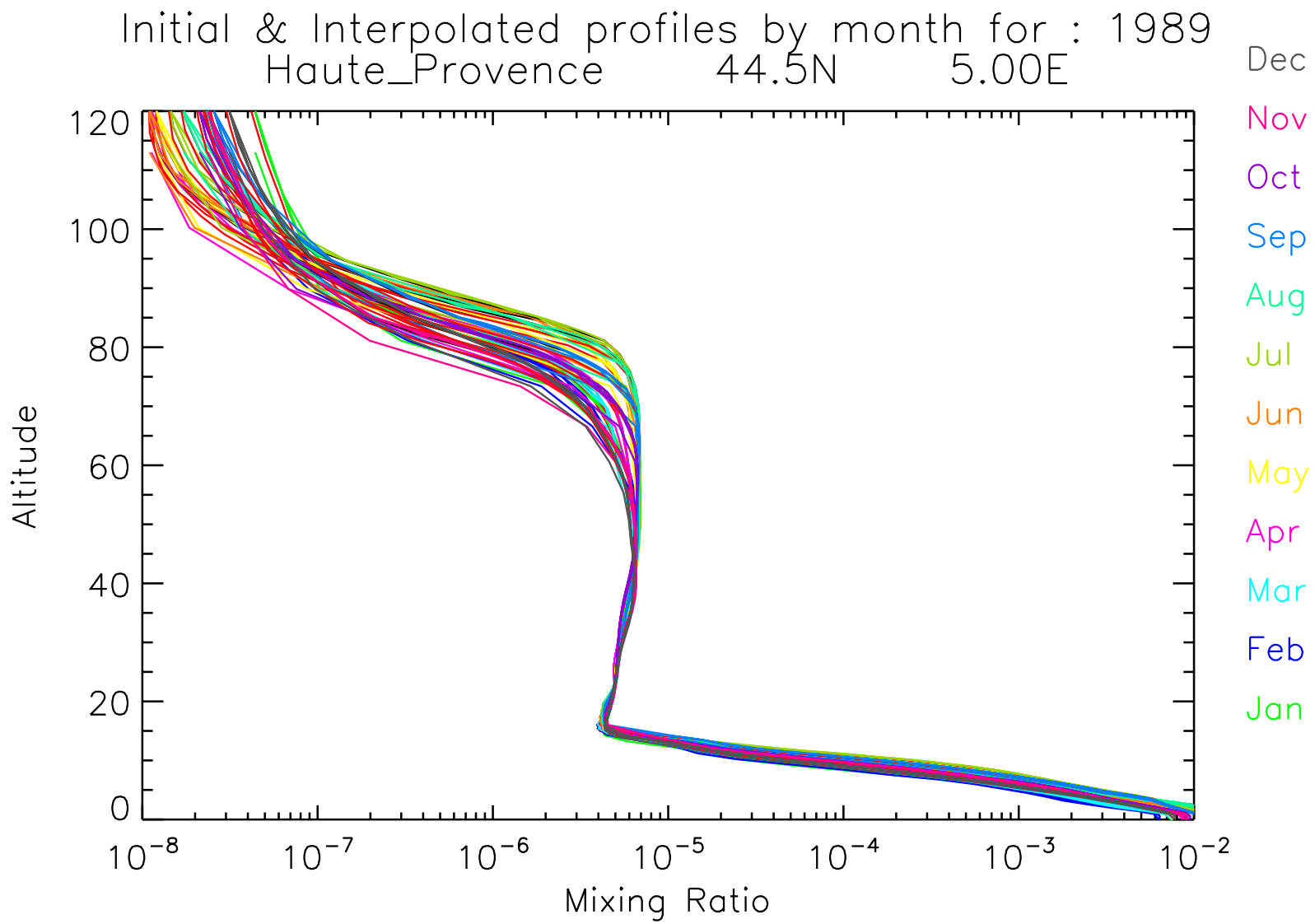
Initial & Interpolated profiles by month for : 1989
Haute_Provence 44.5N 5.00E
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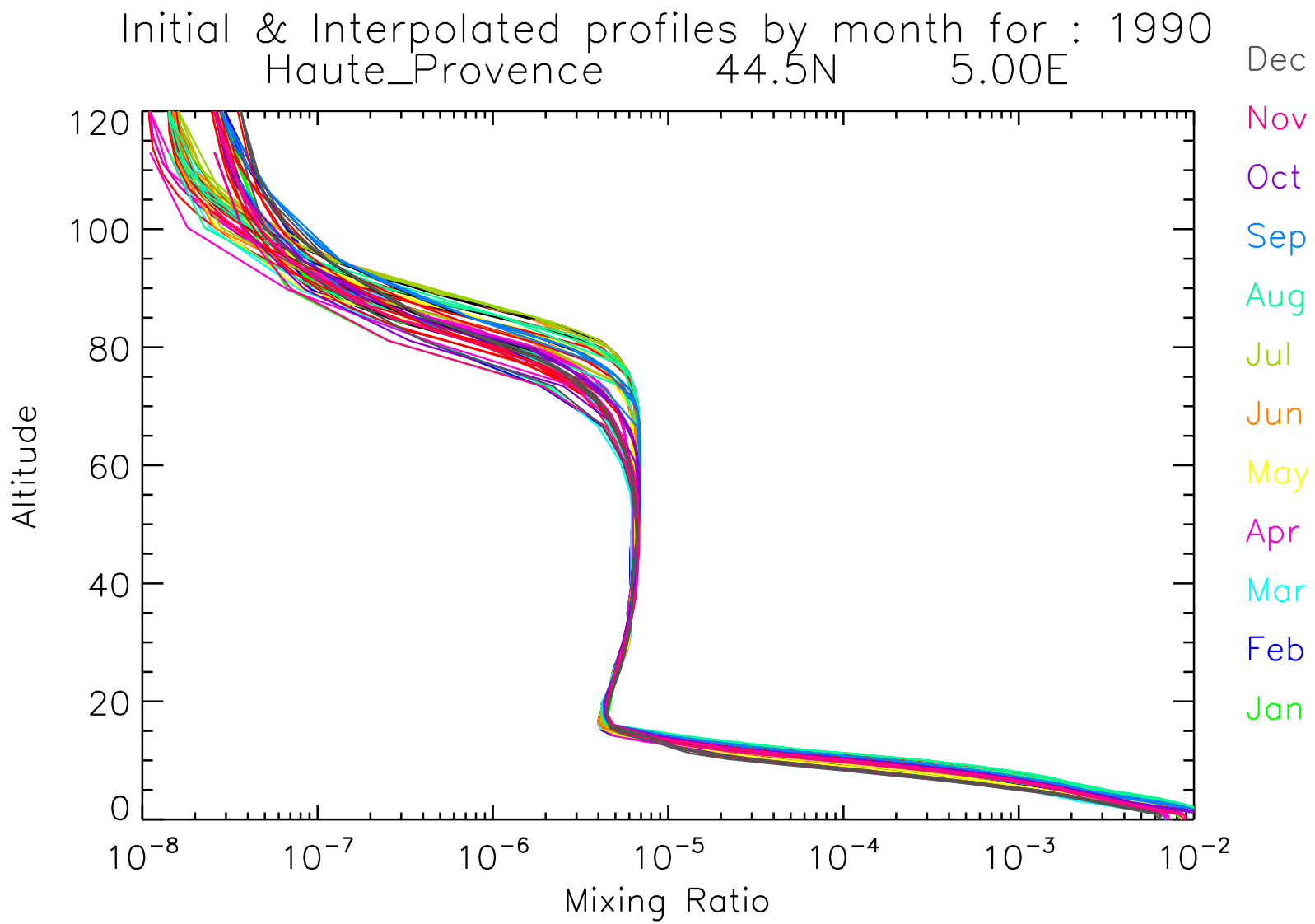
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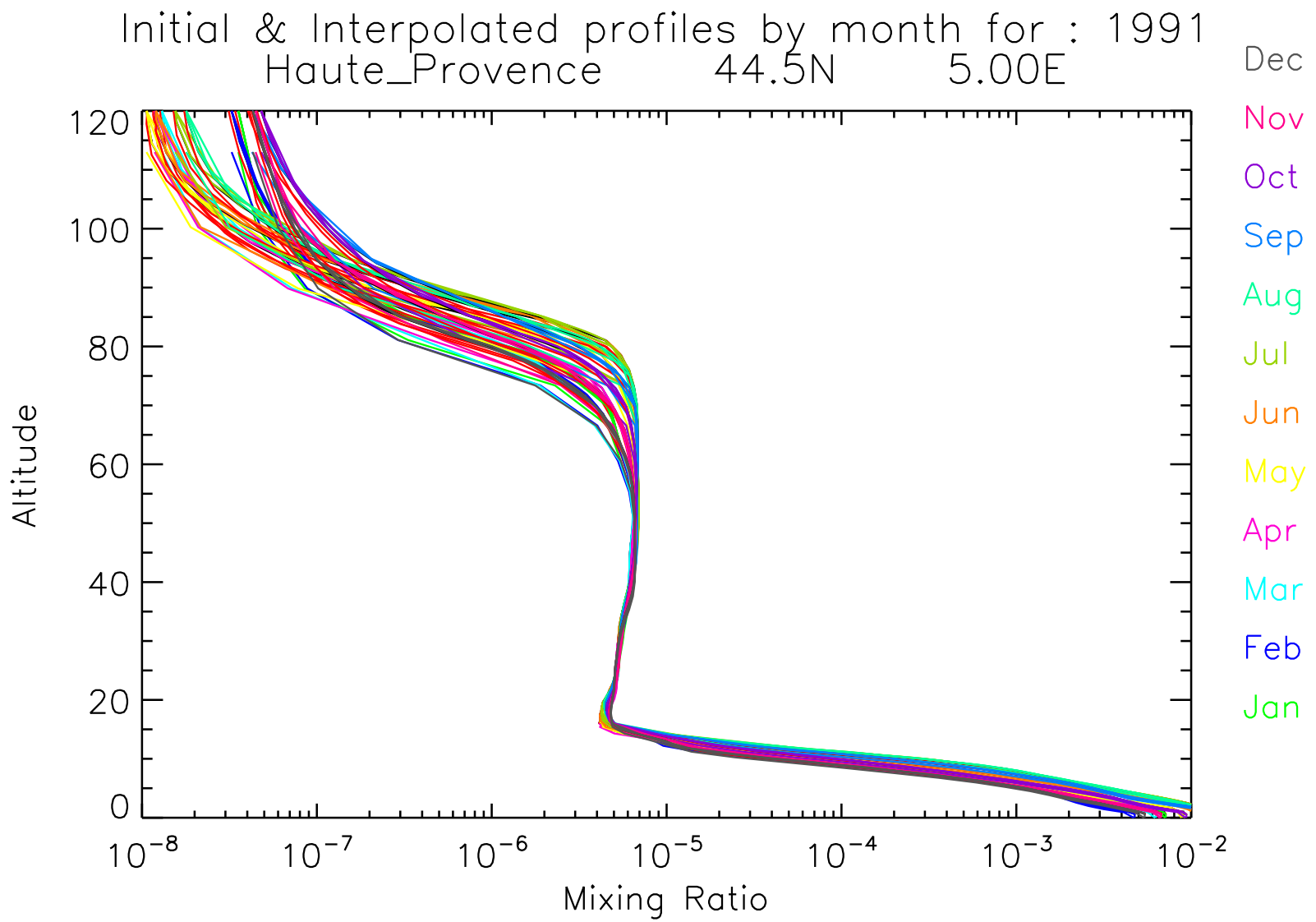
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Altitude
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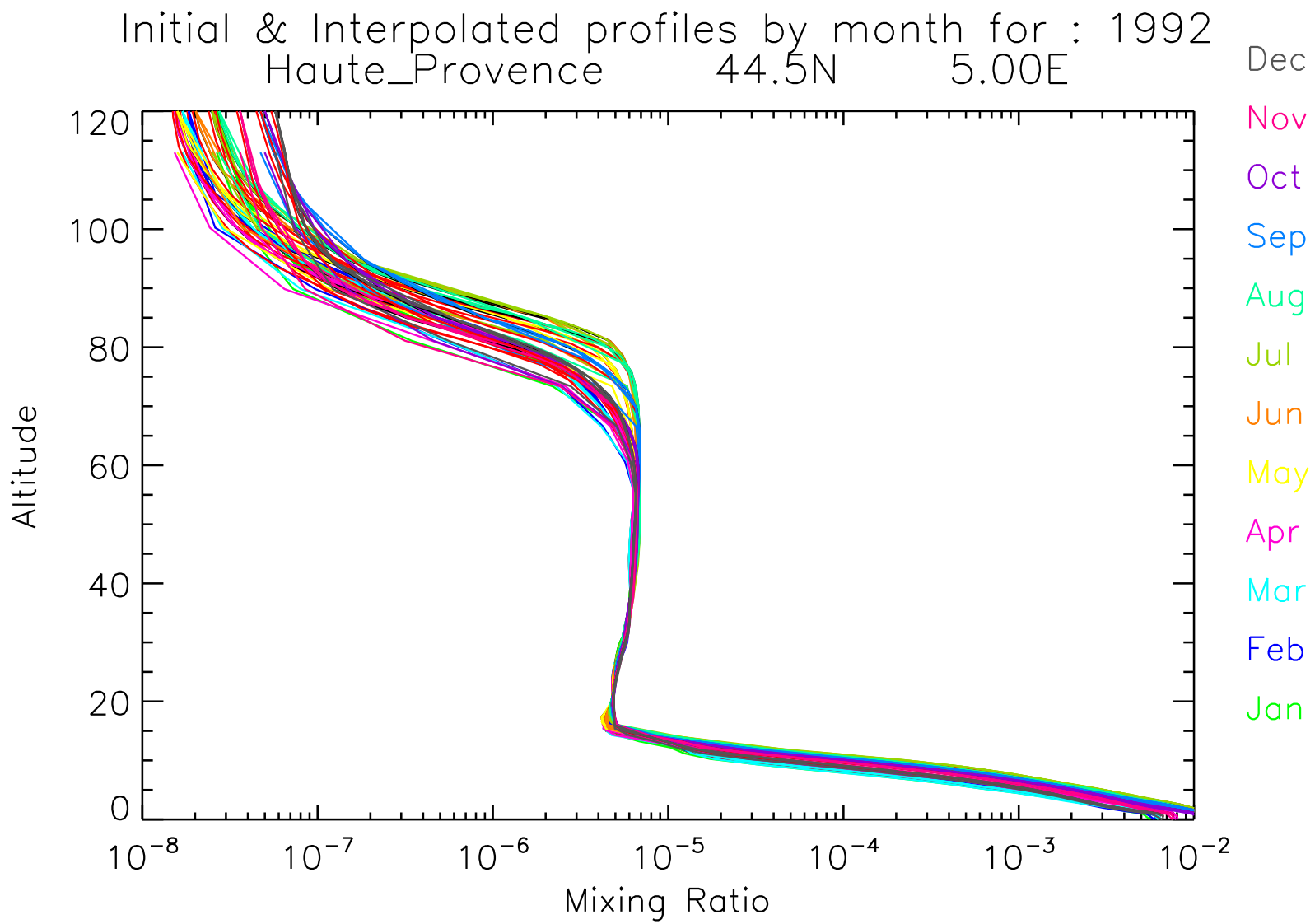
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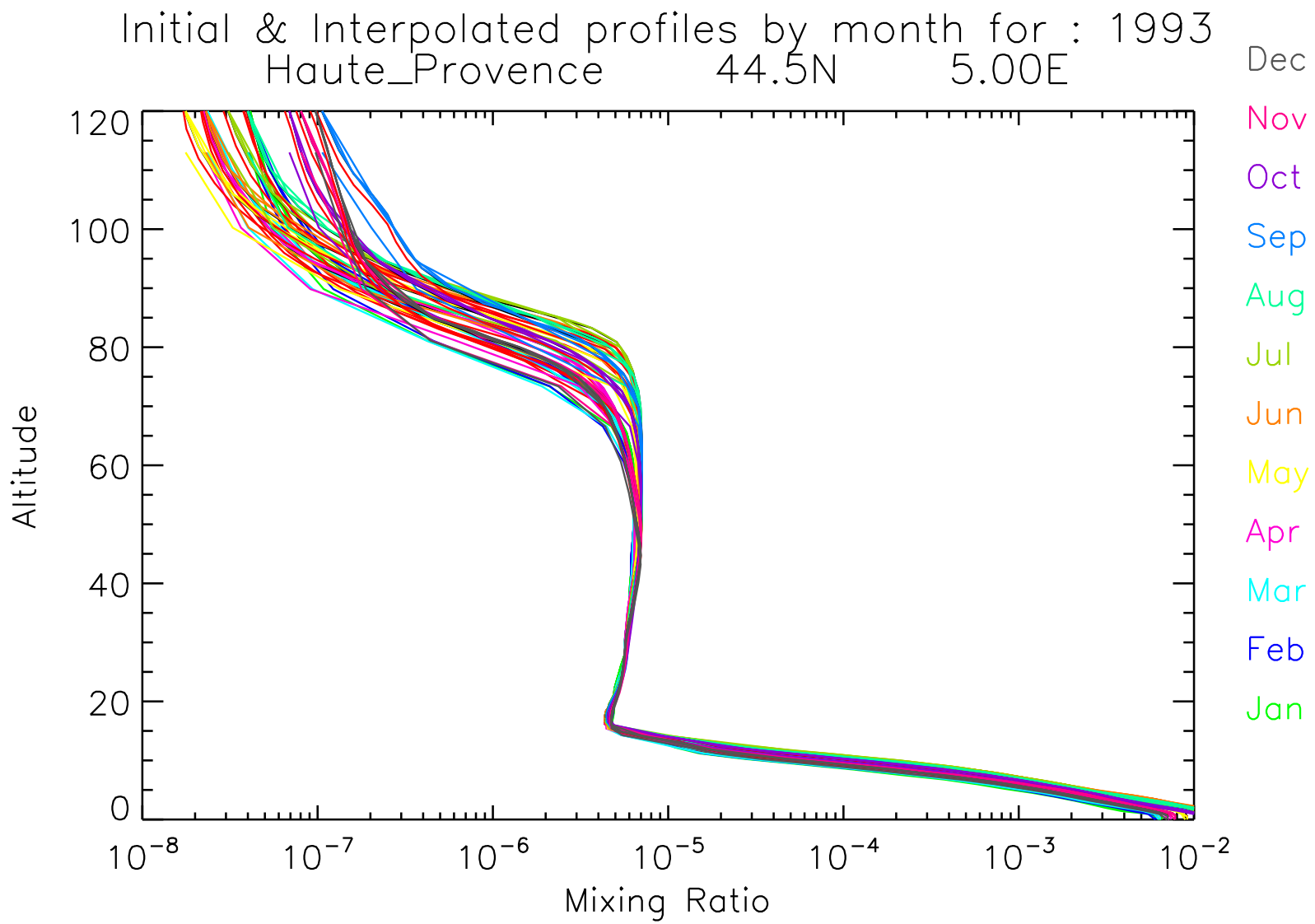
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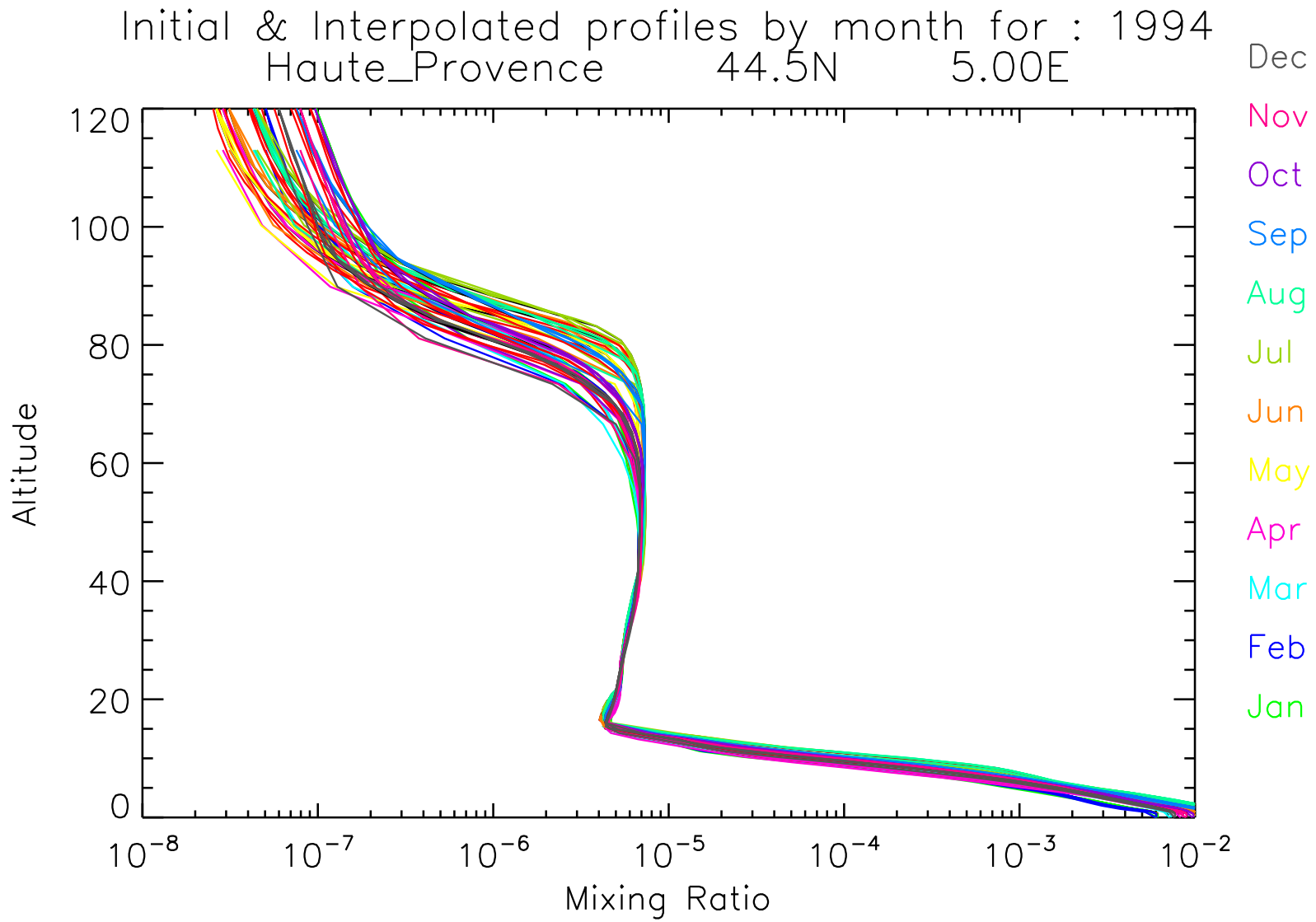
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Altitude
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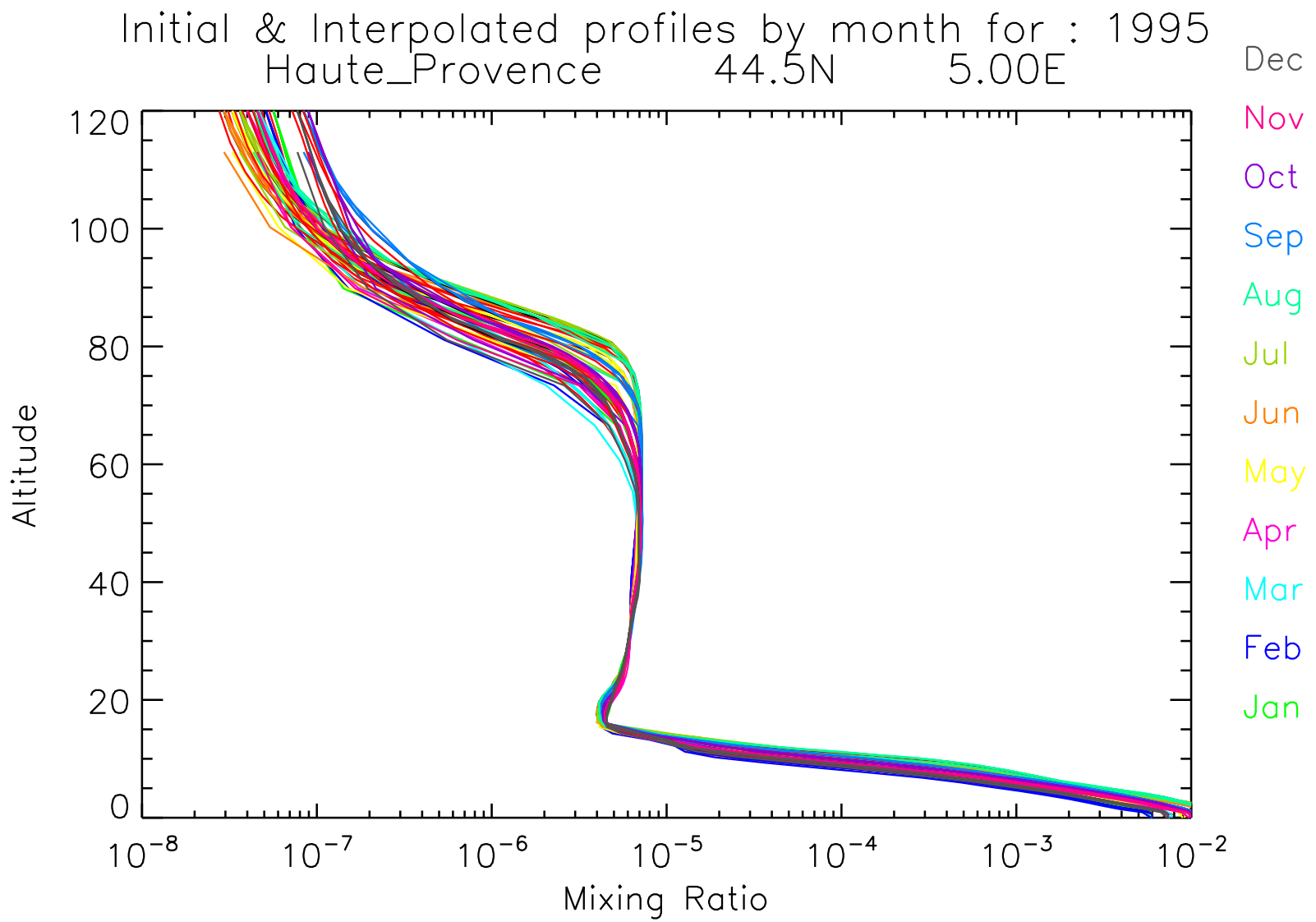
Initial & Interpolated profiles by month for : 1995
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Altitude
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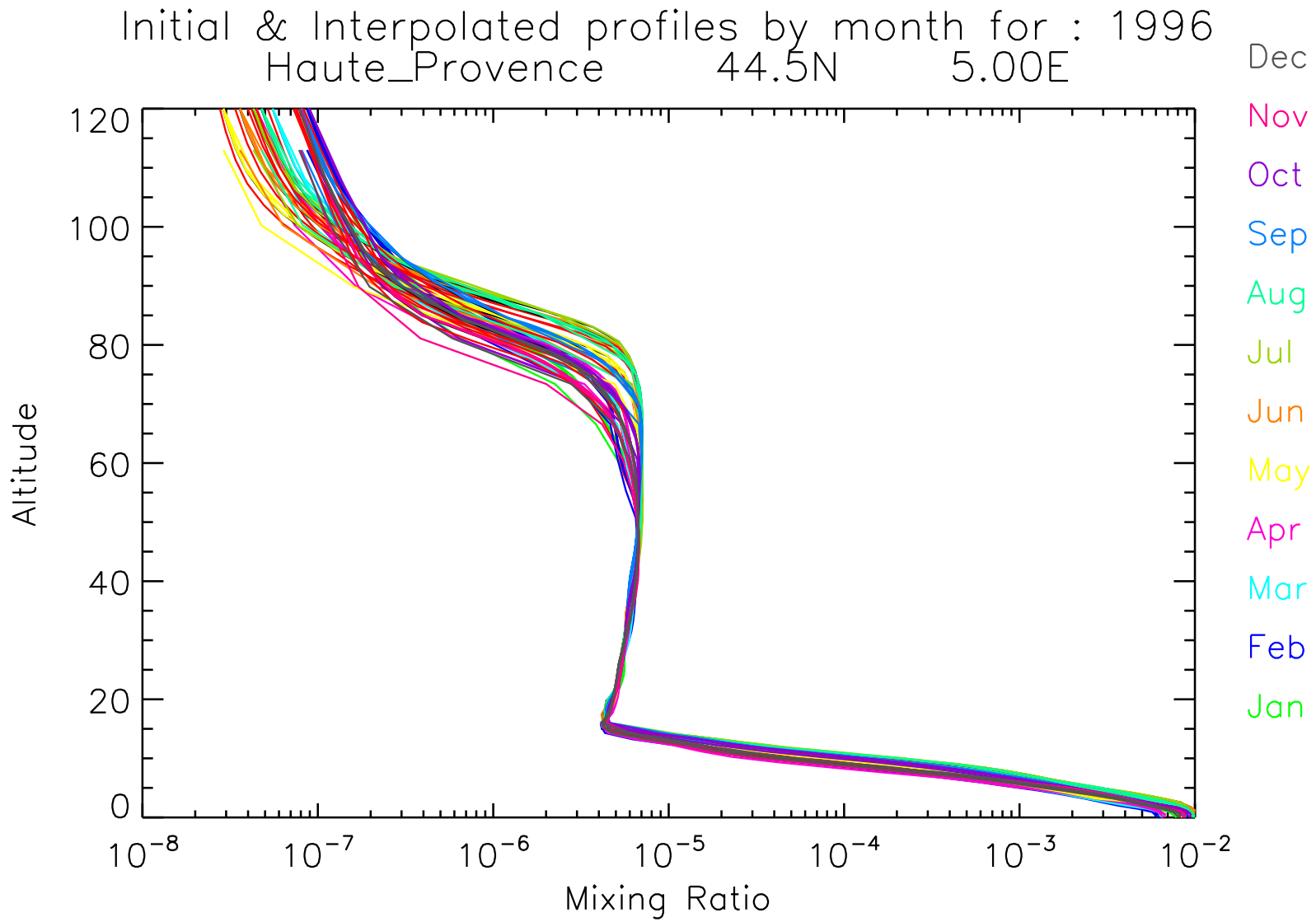
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Mixing Ratio
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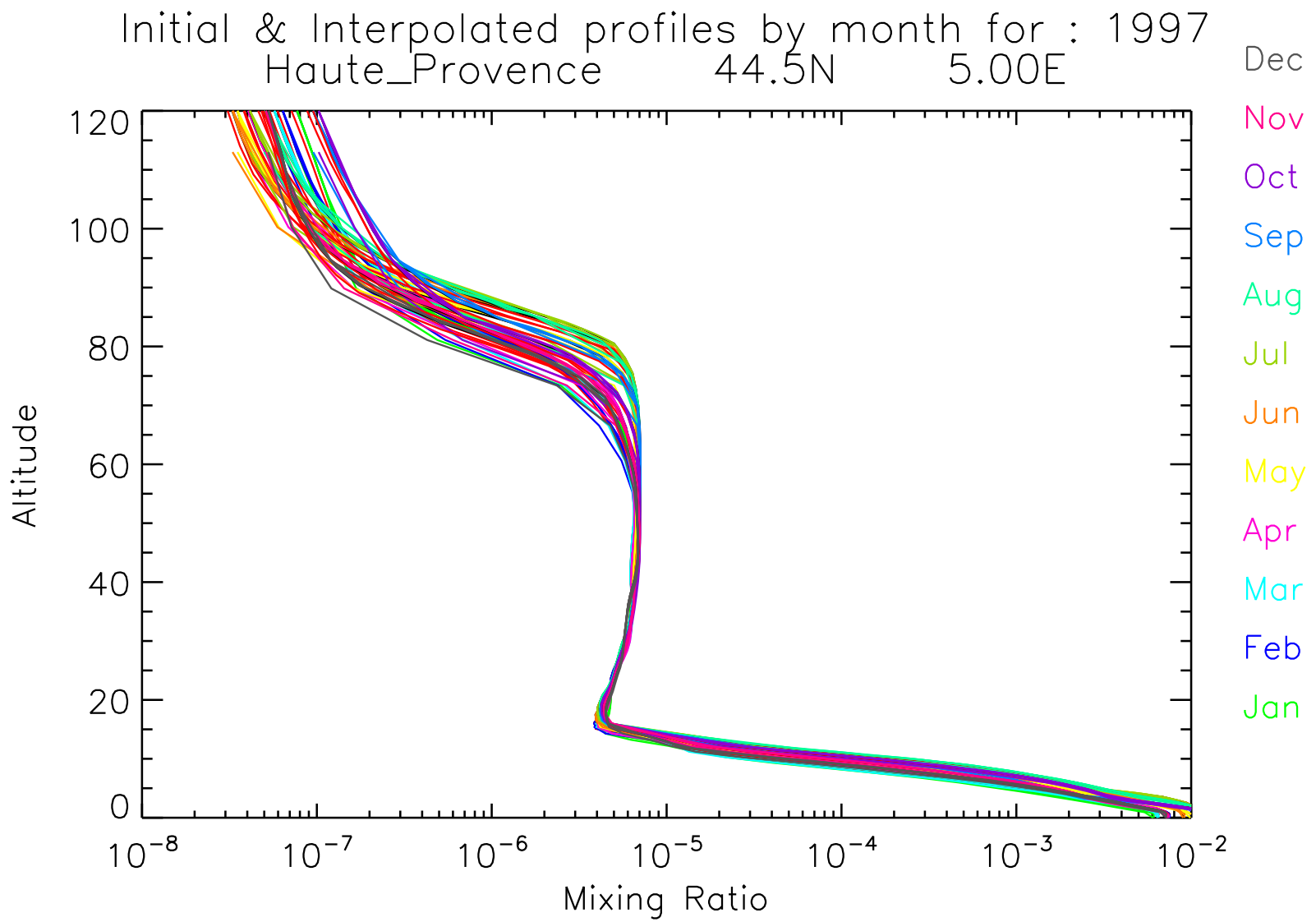
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Mixing Ratio
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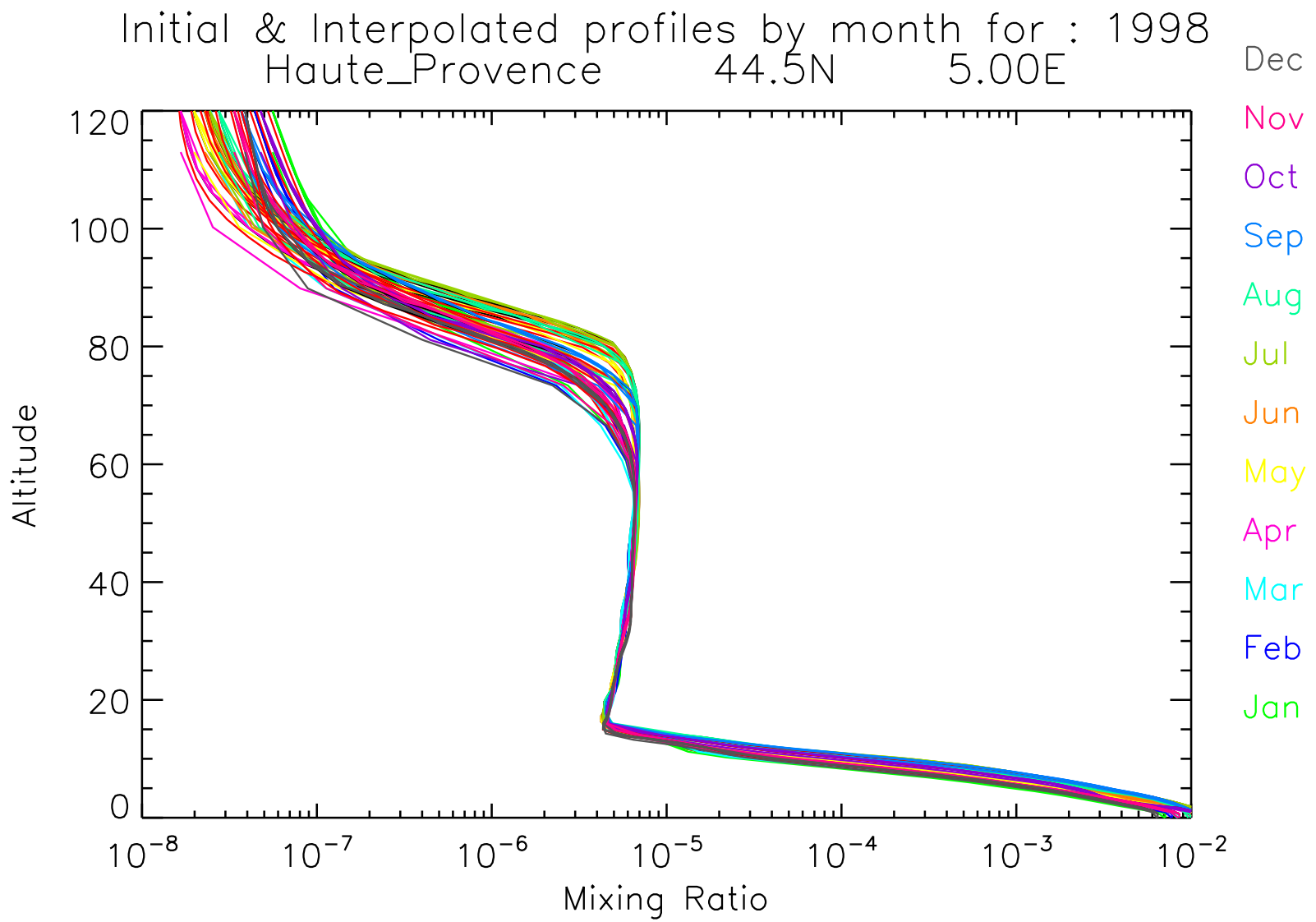
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Haute_Provence 44.5N 5.00E
Altitude
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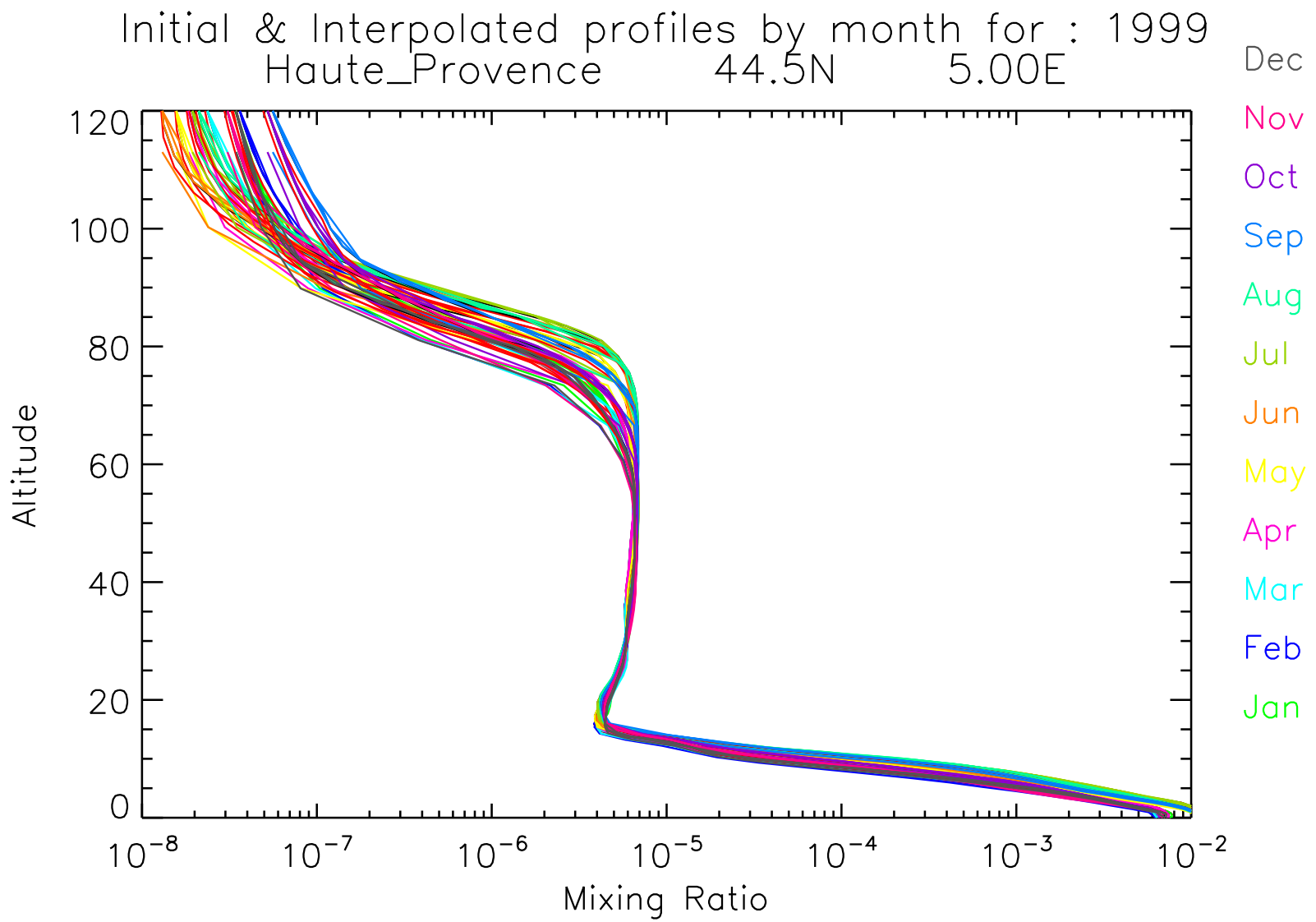
Initial & Interpolated profiles by month for : 1999
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Altitude
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Mixing Ratio
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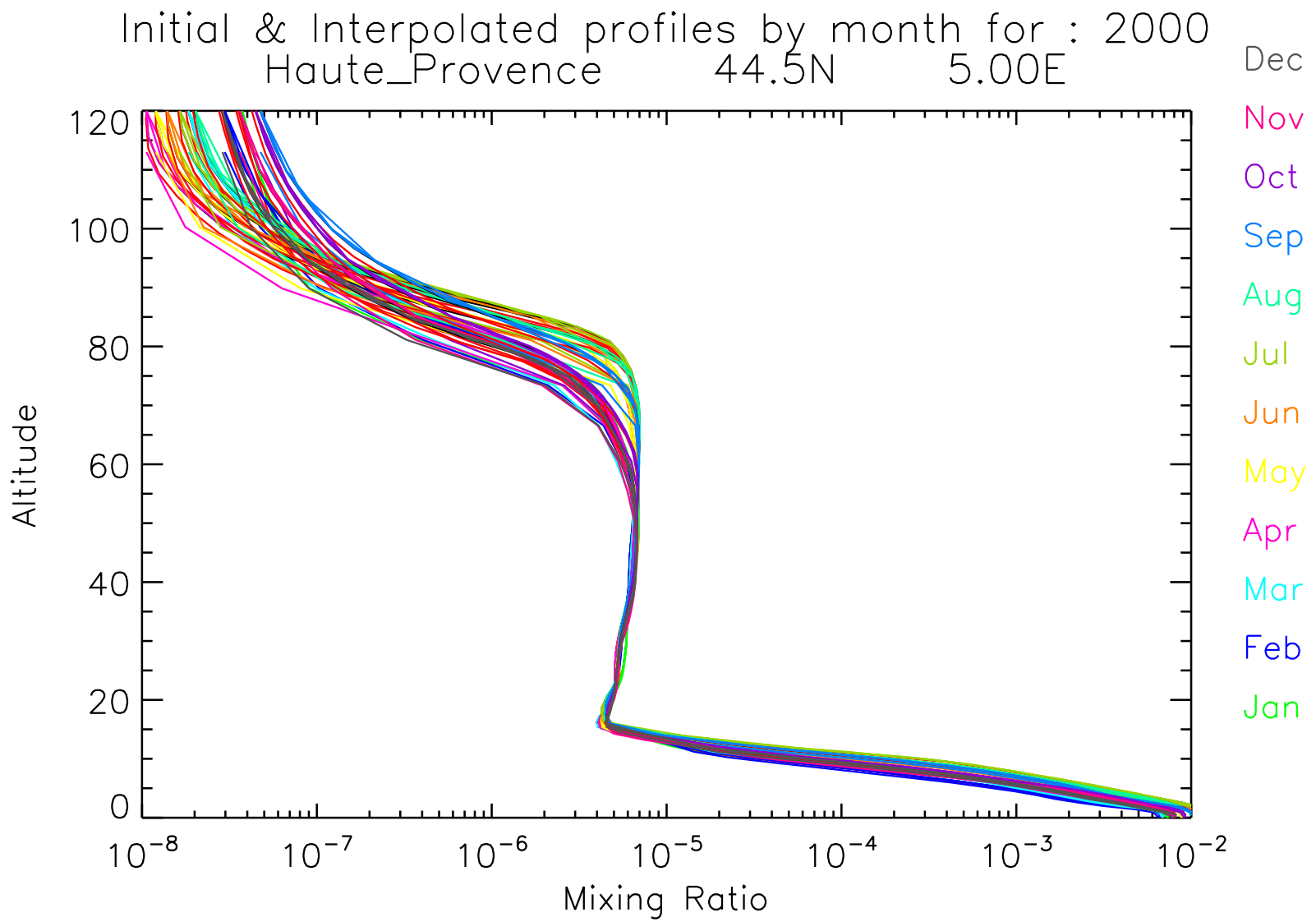
Initial & Interpolated profiles by month for : 2000
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Altitude
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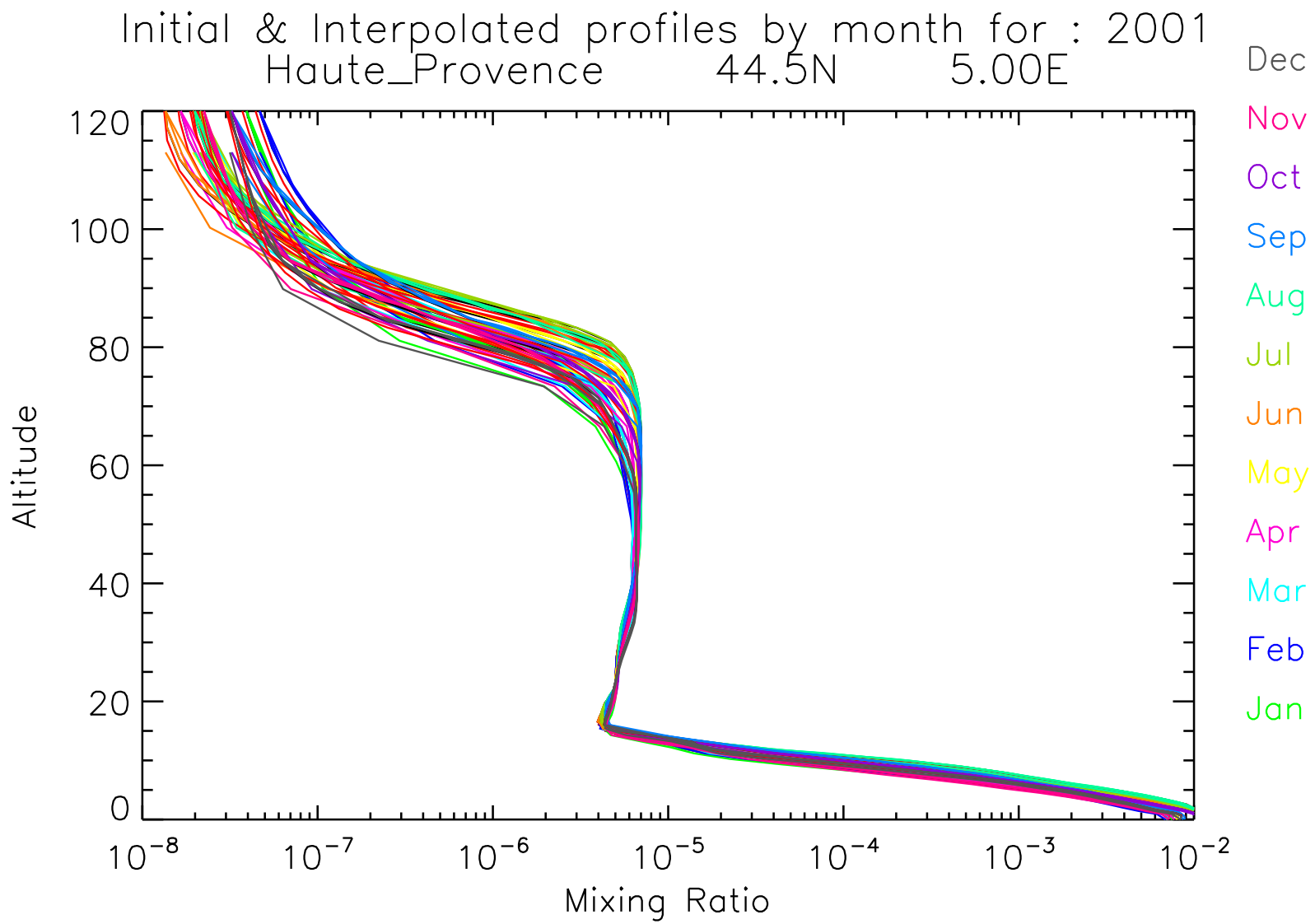
Initial & Interpolated profiles by month for : 2001
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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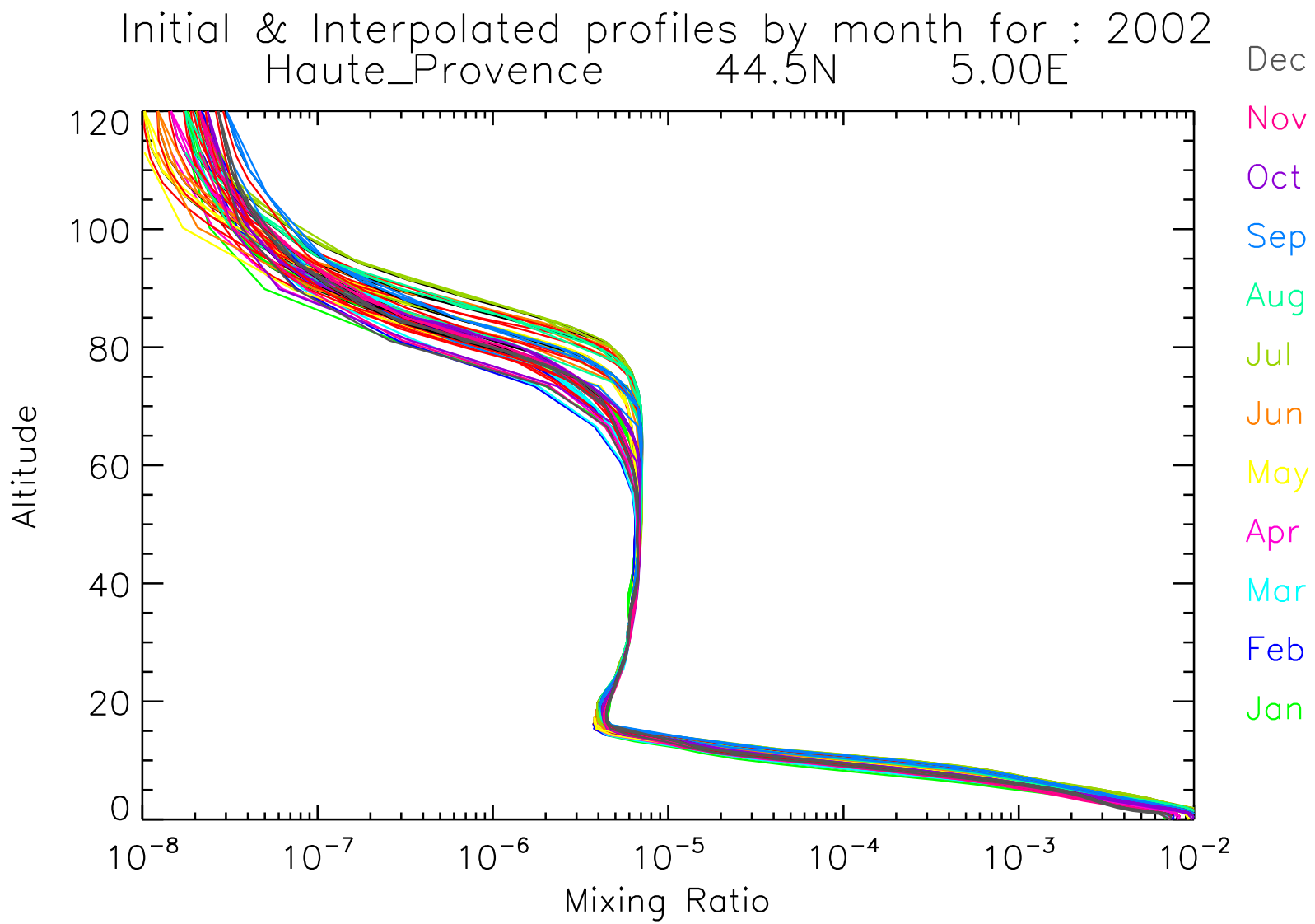
Initial & Interpolated profiles by month for : 2002
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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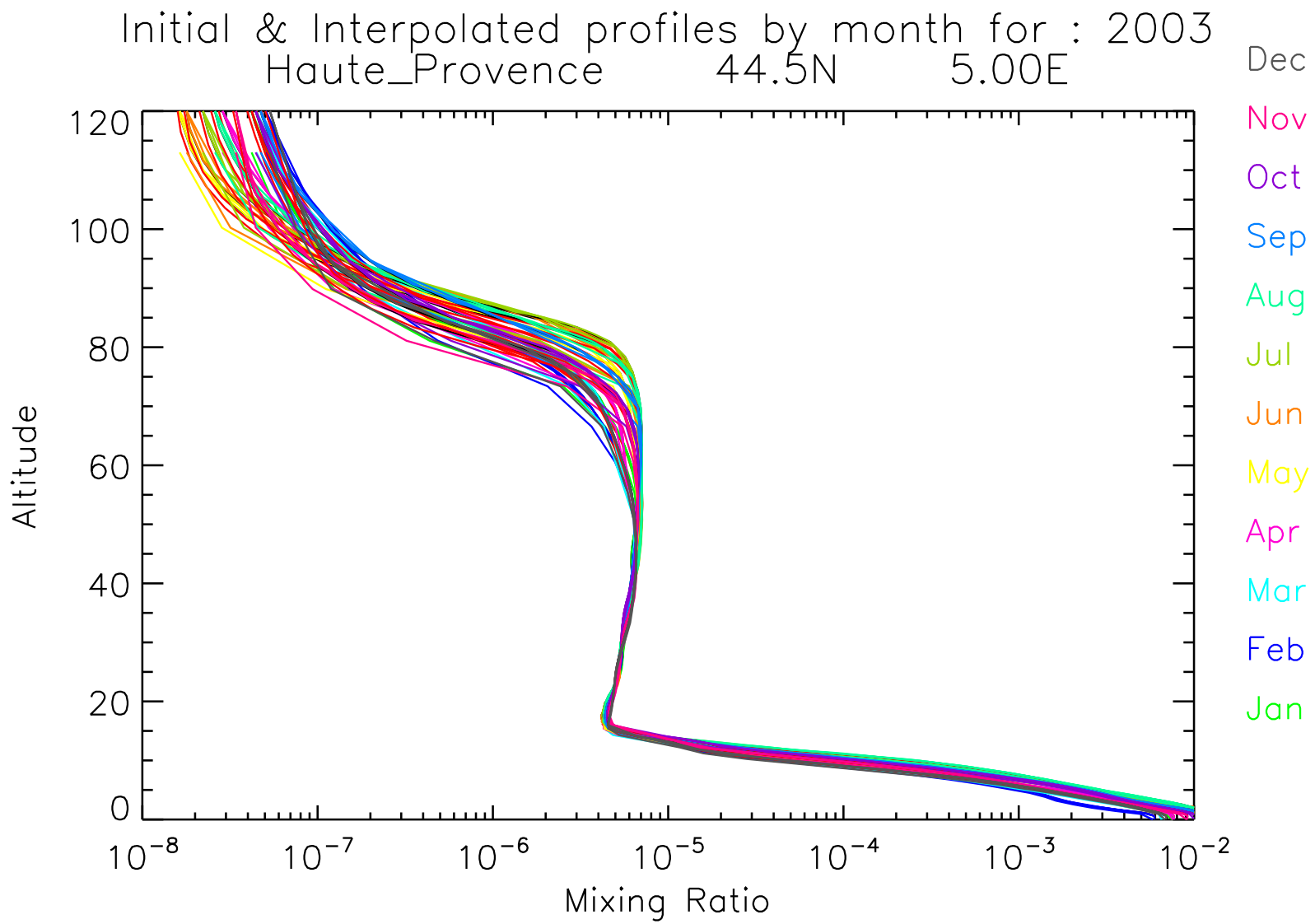
Initial & Interpolated profiles by month for : 2003
Haute_Provence 44.5N 5.00E
Altitude
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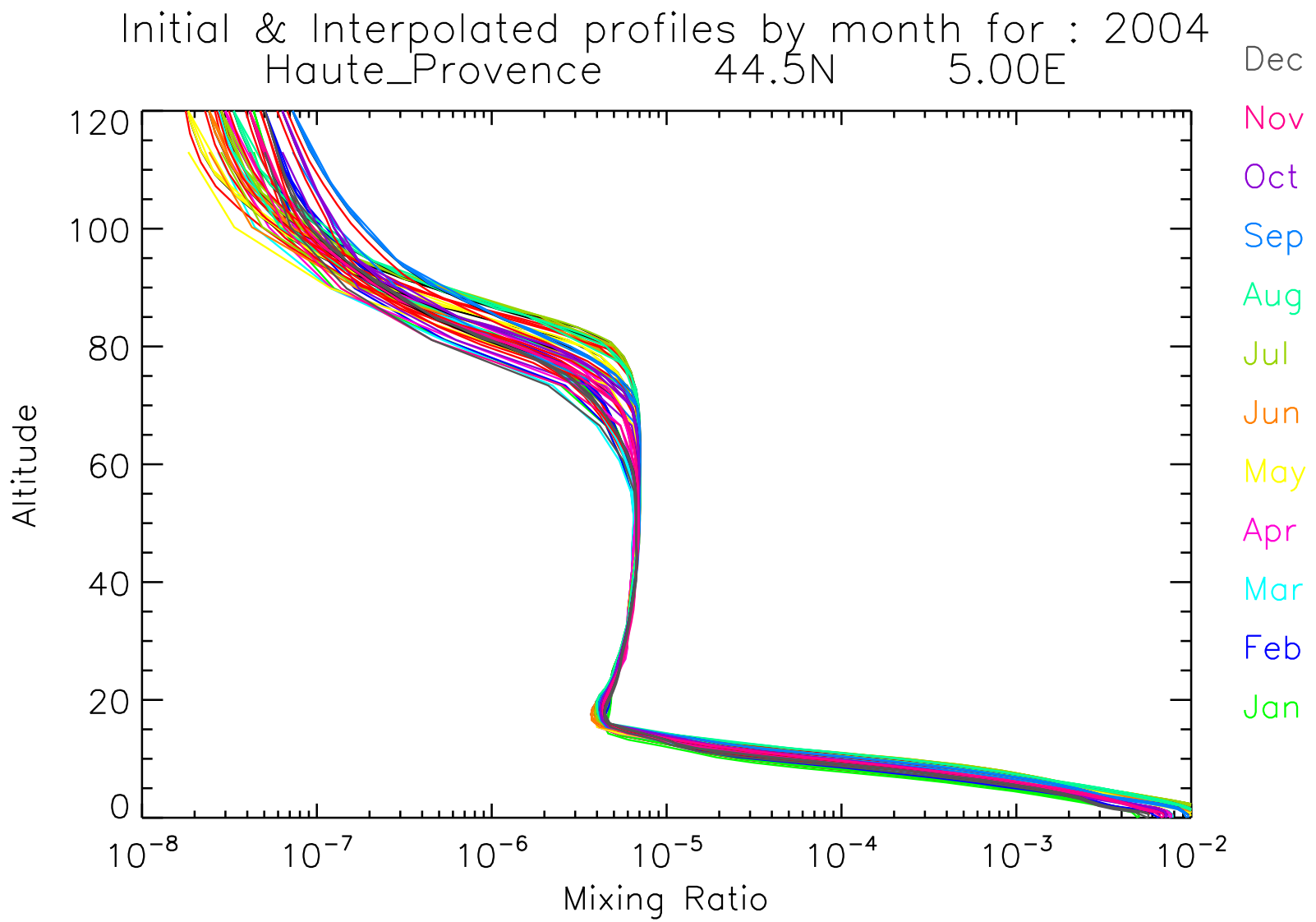
Initial & Interpolated profiles by month for : 2004
Haute_Provence 44.5N 5.00E
Altitude
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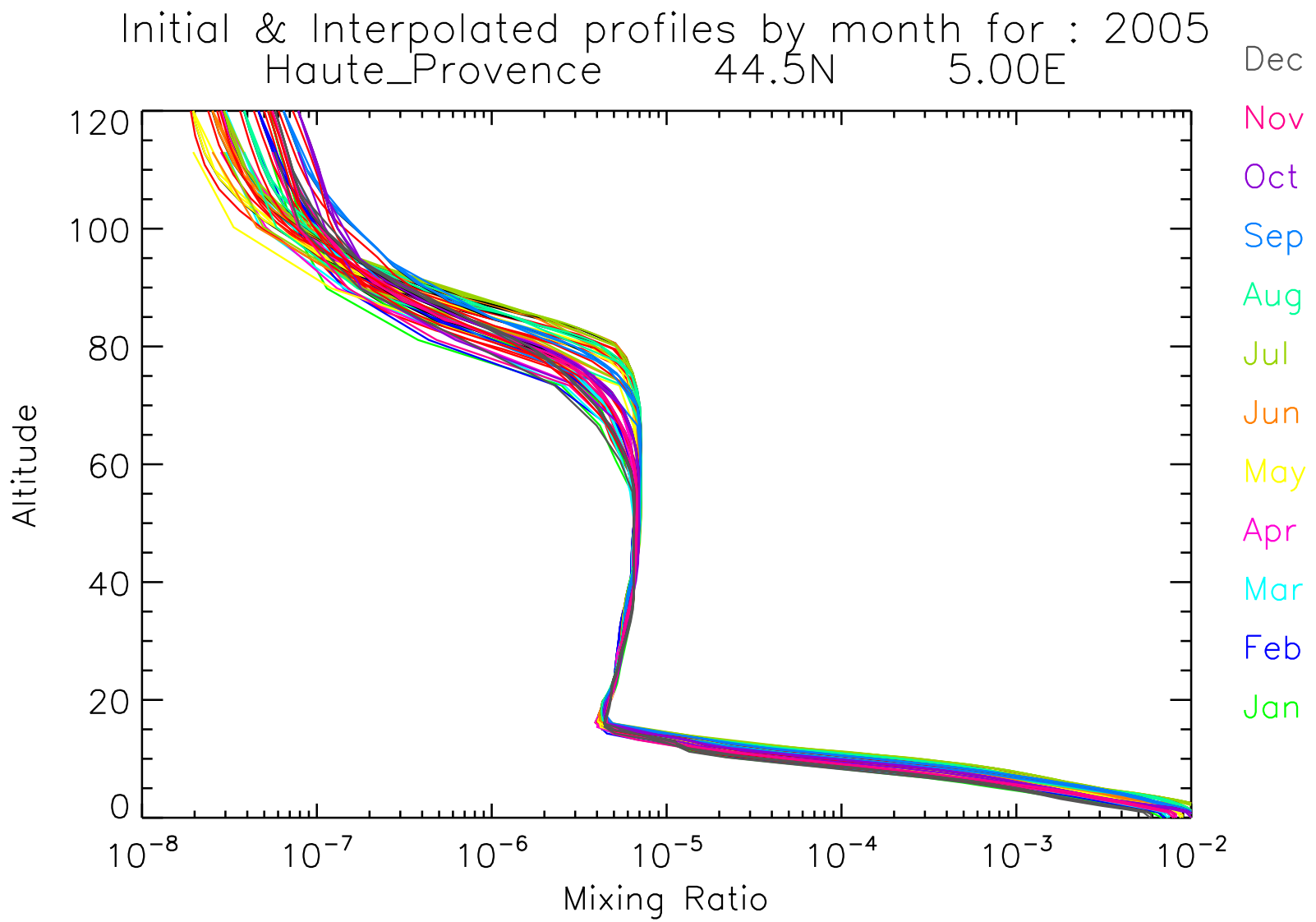
Initial & Interpolated profiles by month for : 2005
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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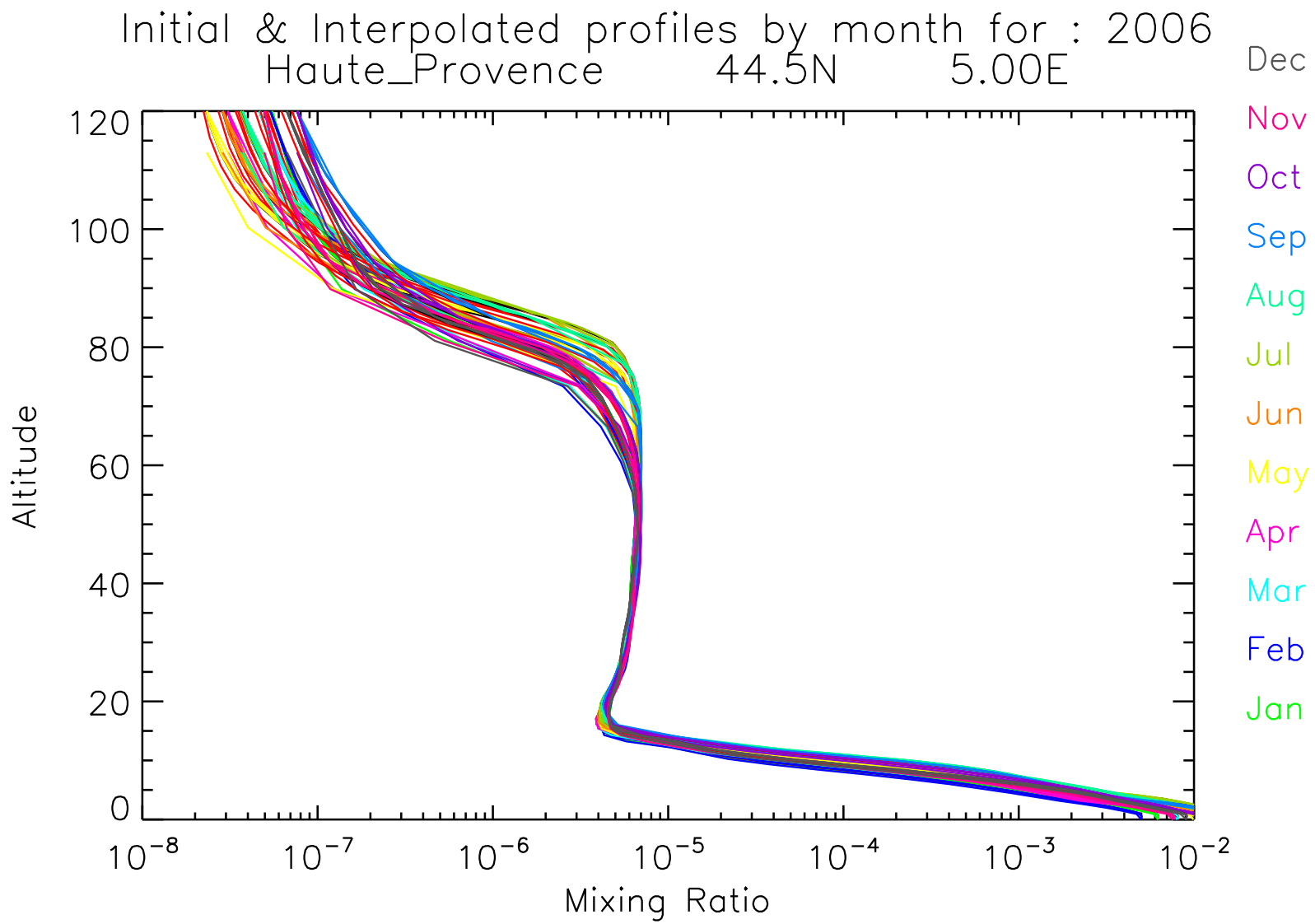
Initial & Interpolated profiles by month for : 2006
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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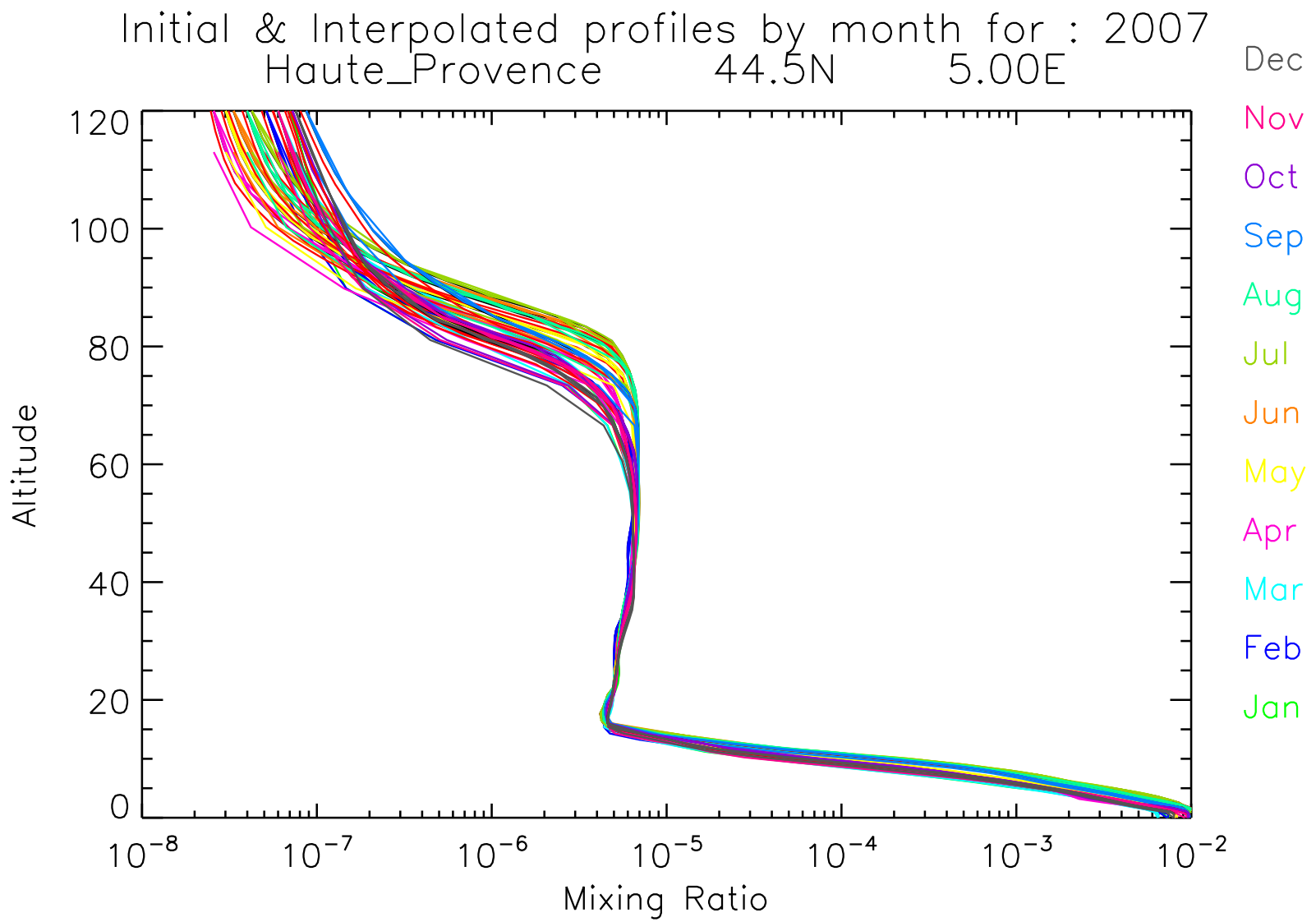
Initial & Interpolated profiles by month for : 2007
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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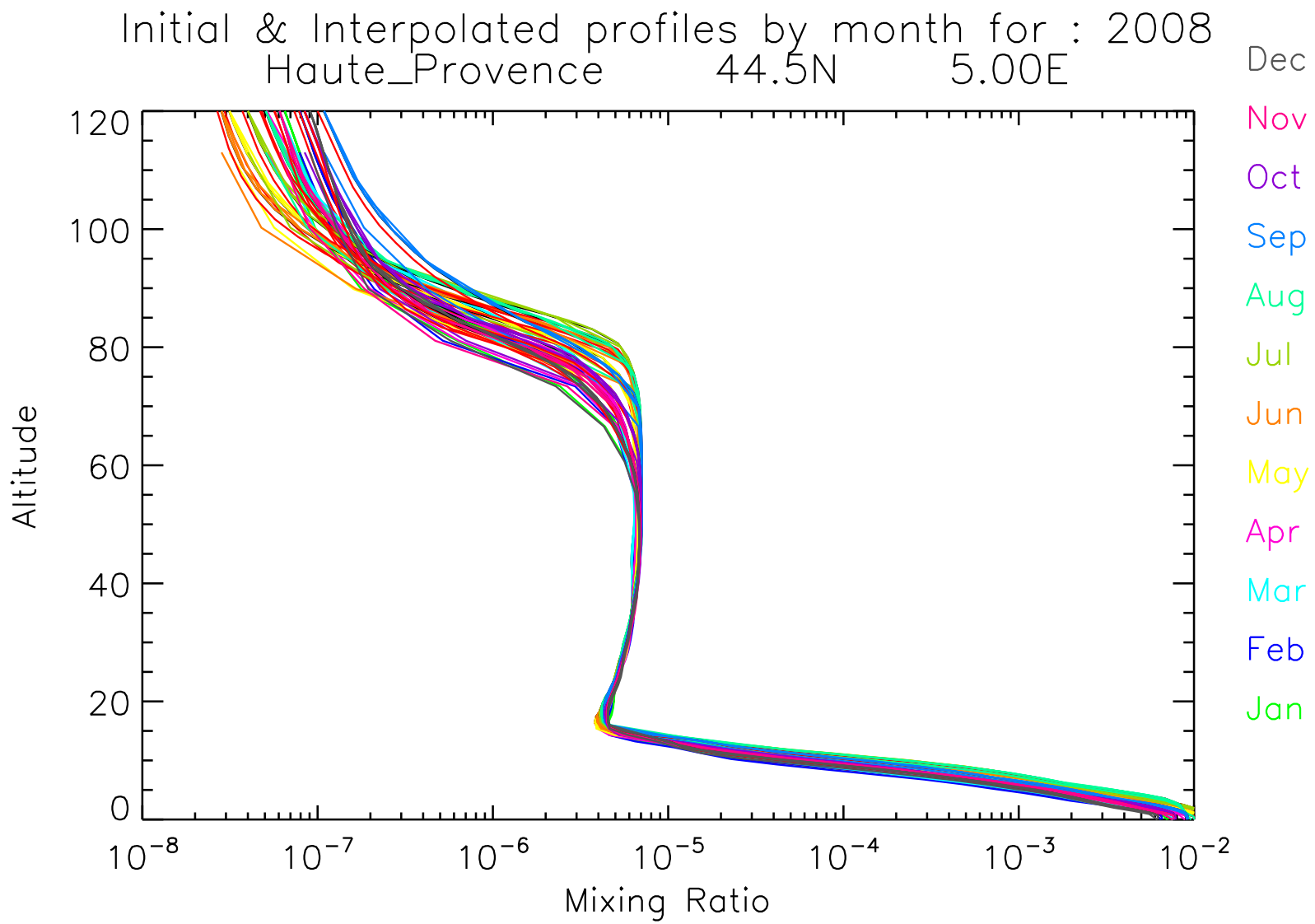
Initial & Interpolated profiles by month for : 2008
Haute_Provence 44.5N 5.00E
Altitude
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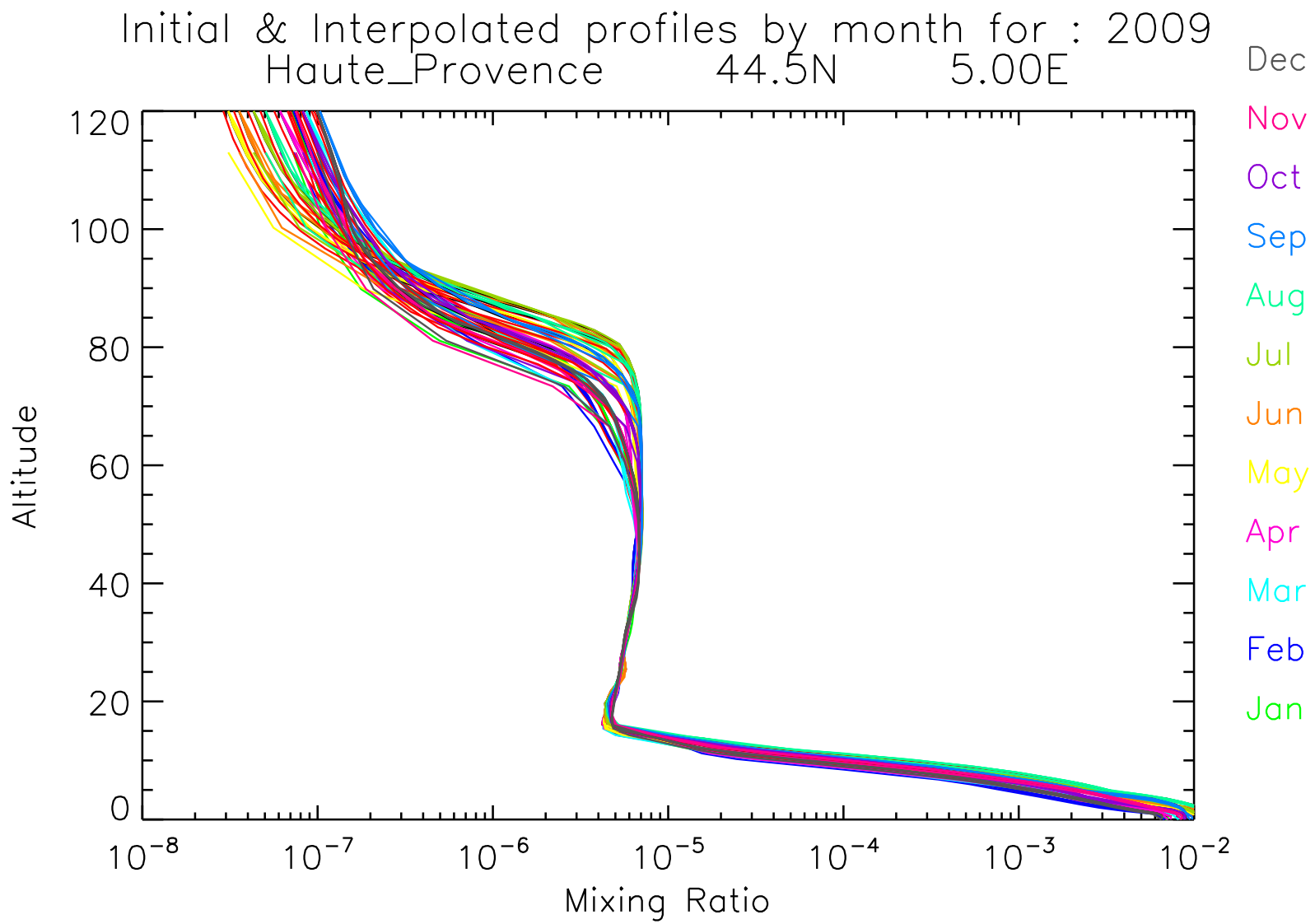
Initial & Interpolated profiles by month for : 2009
Haute_Provence 44.5N 5.00E
Altitude
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Mixing Ratio
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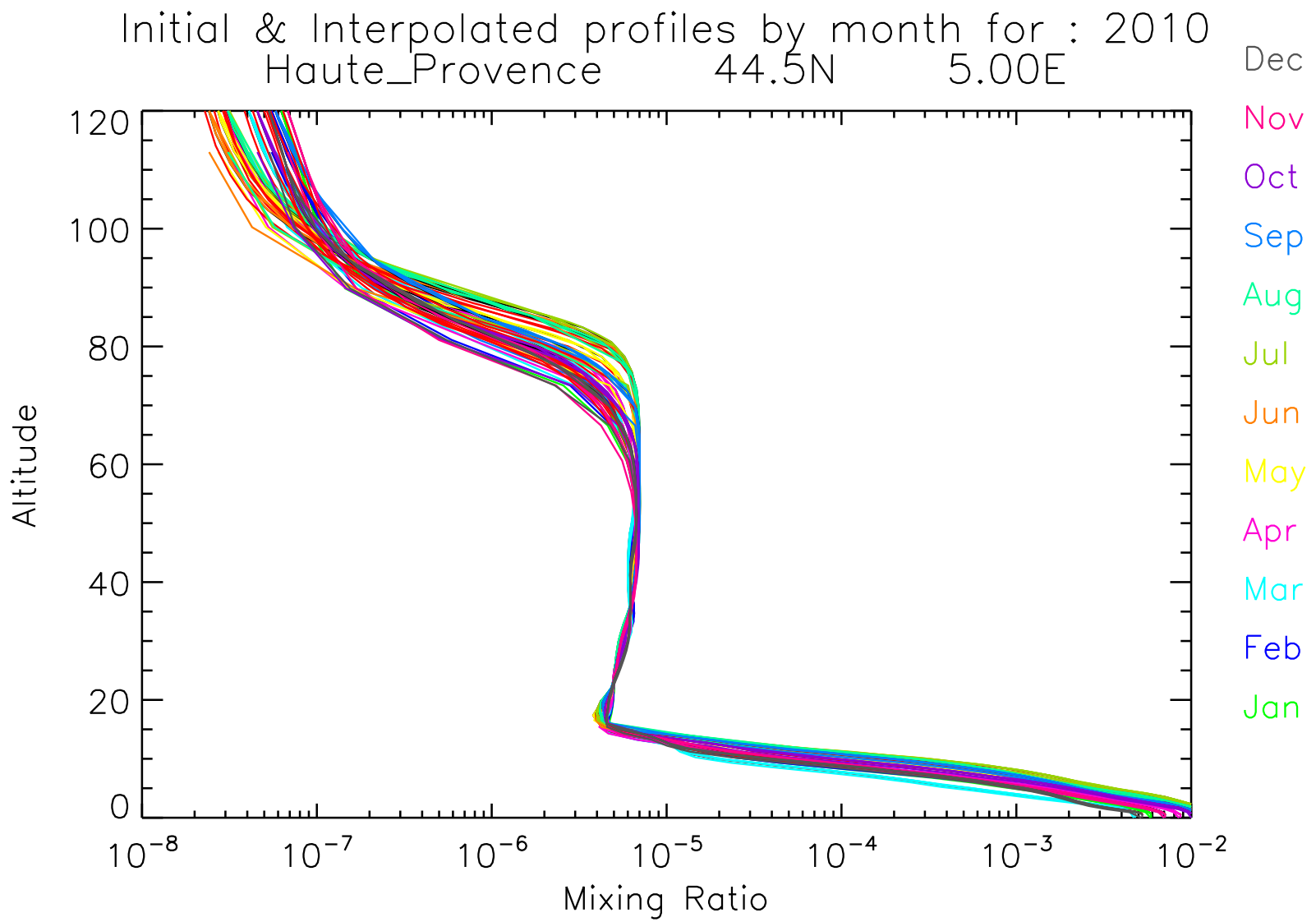
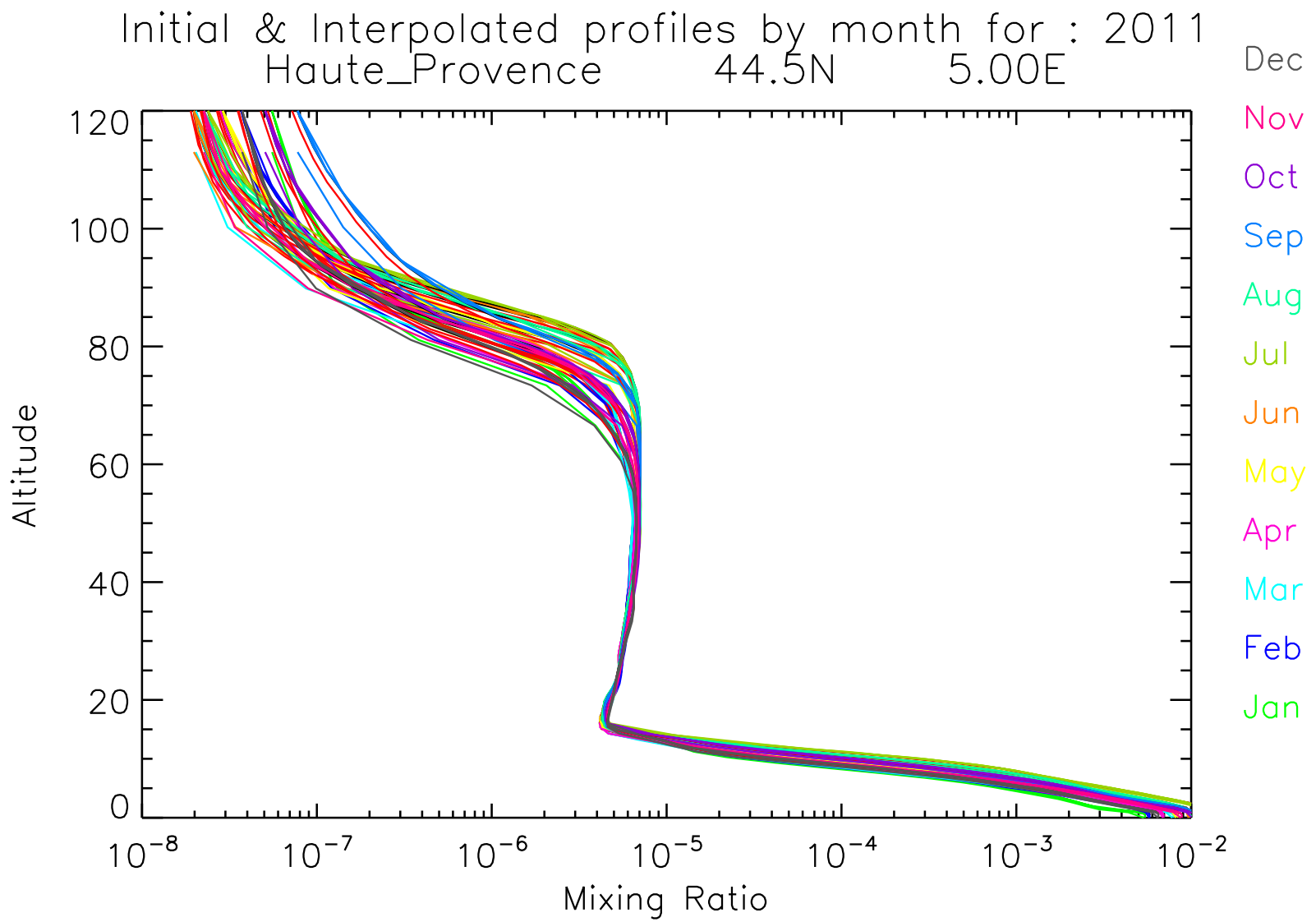
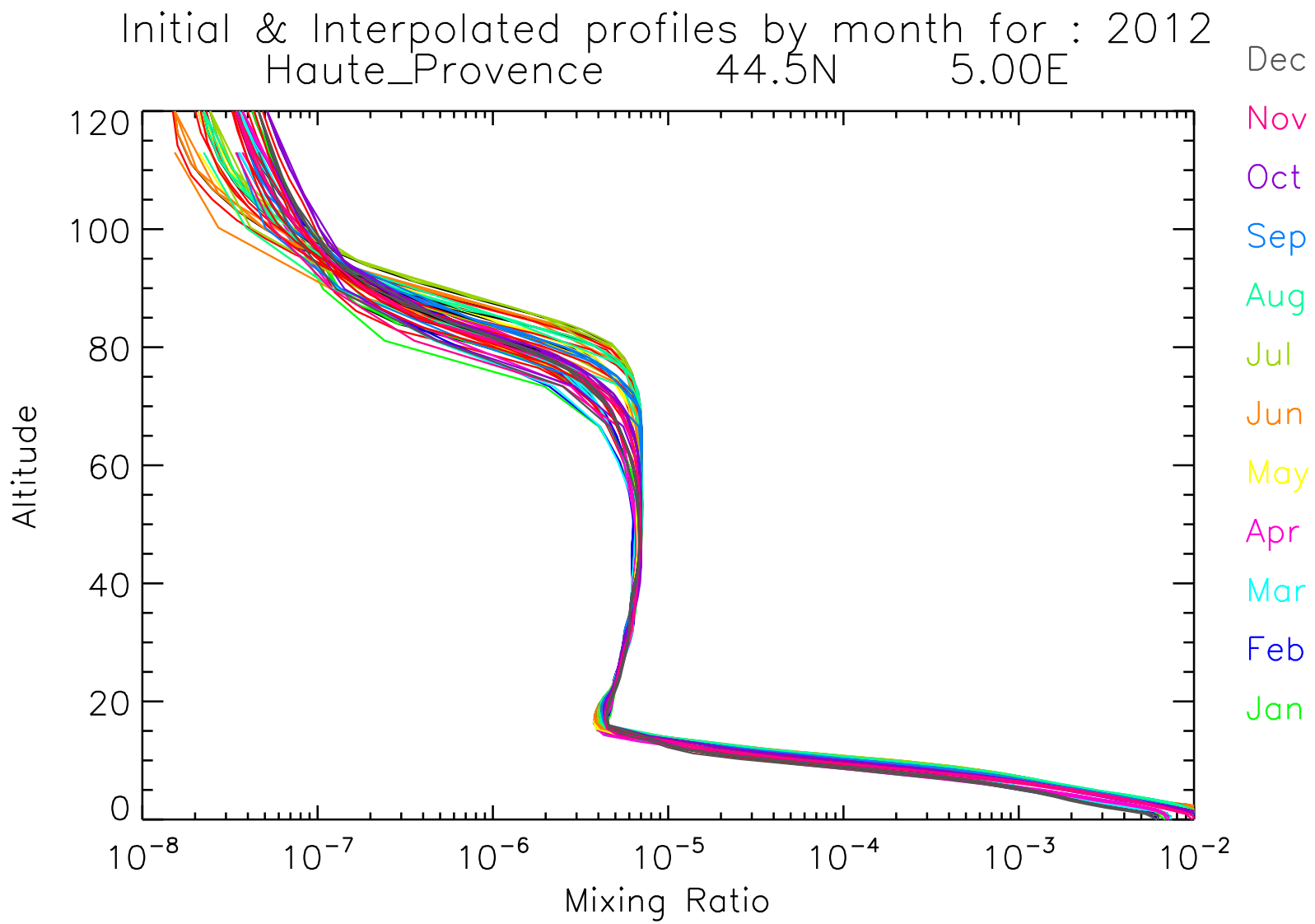
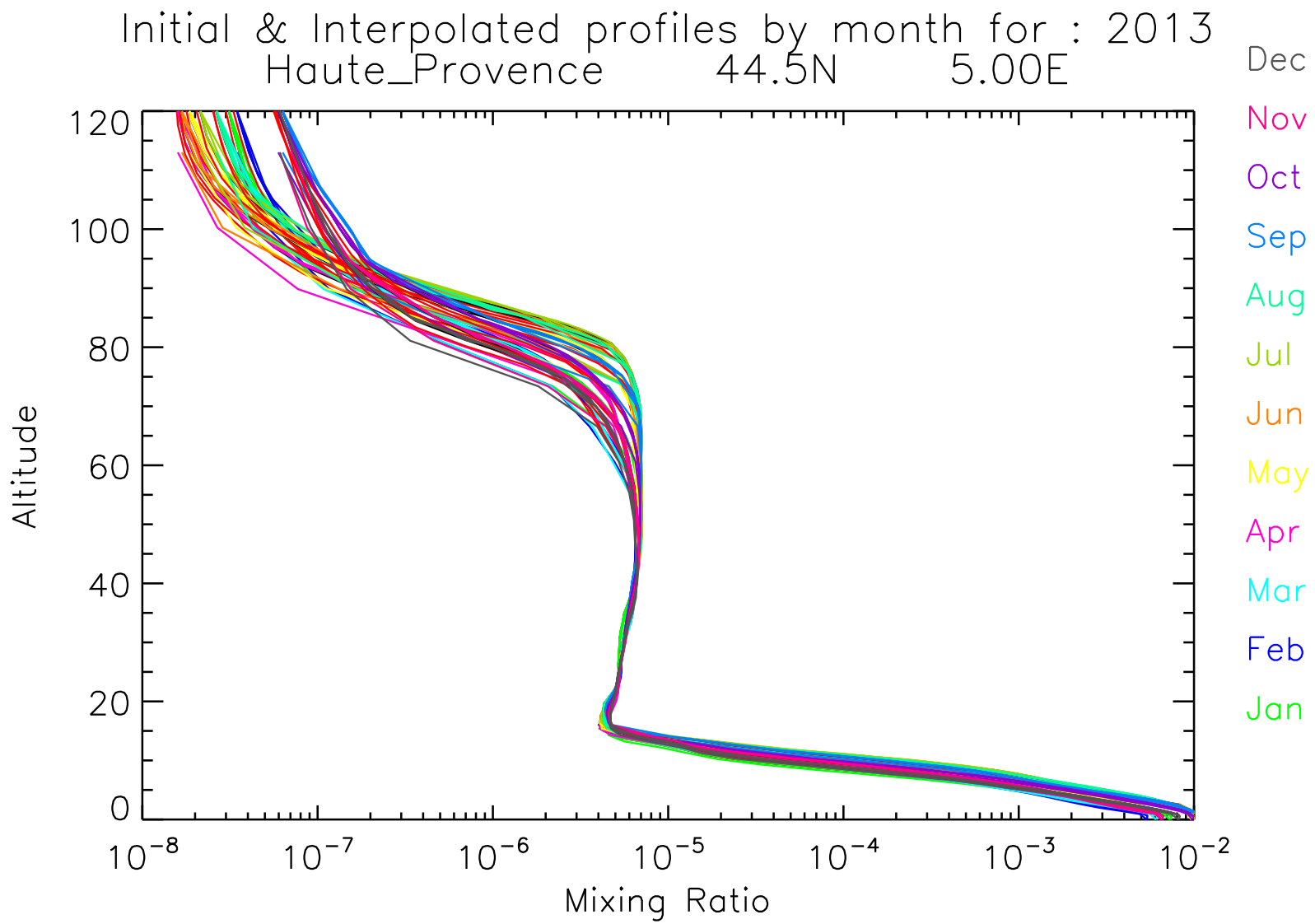

Initial & Interpolated profiles by month for : 2010
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2011
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
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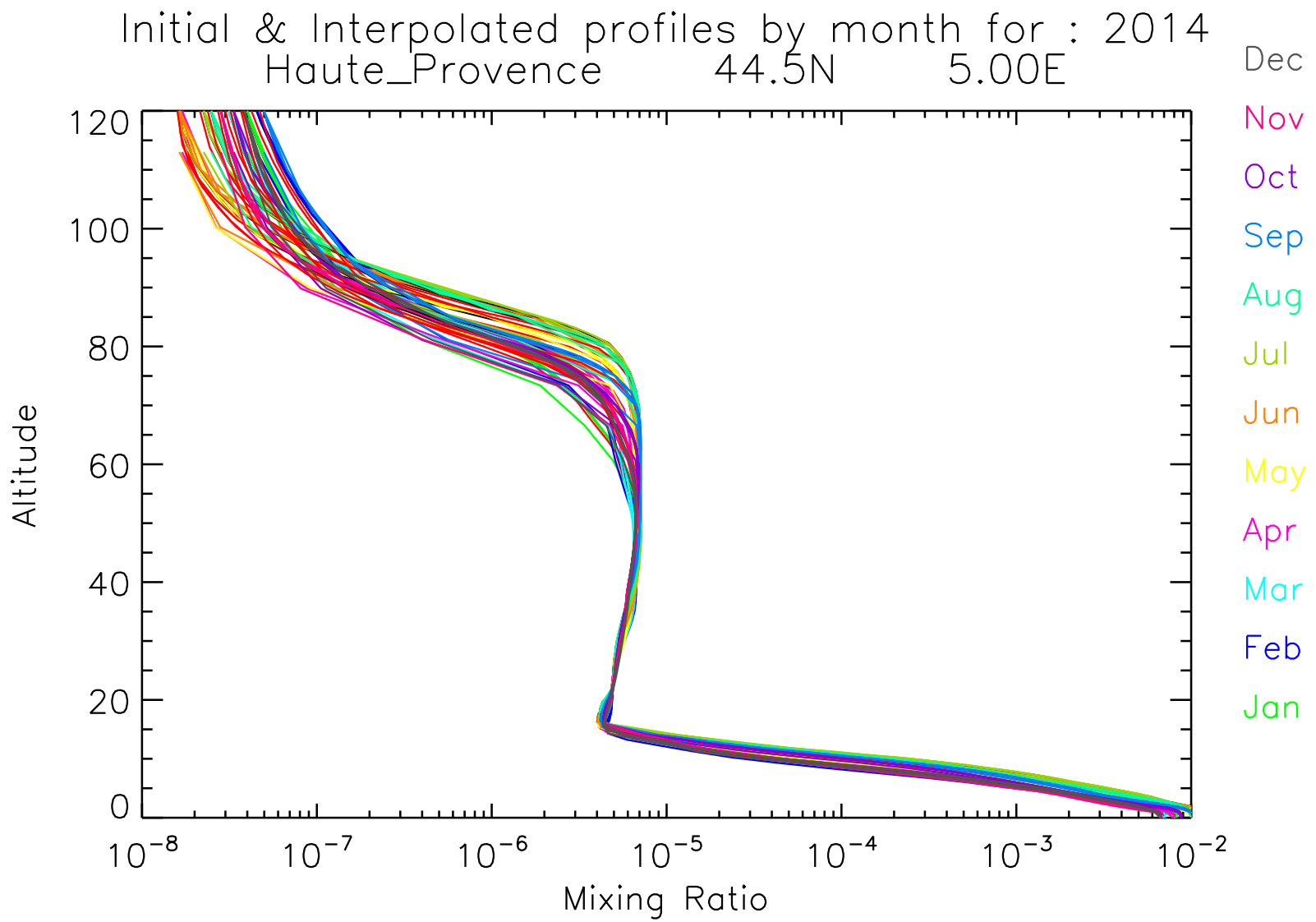
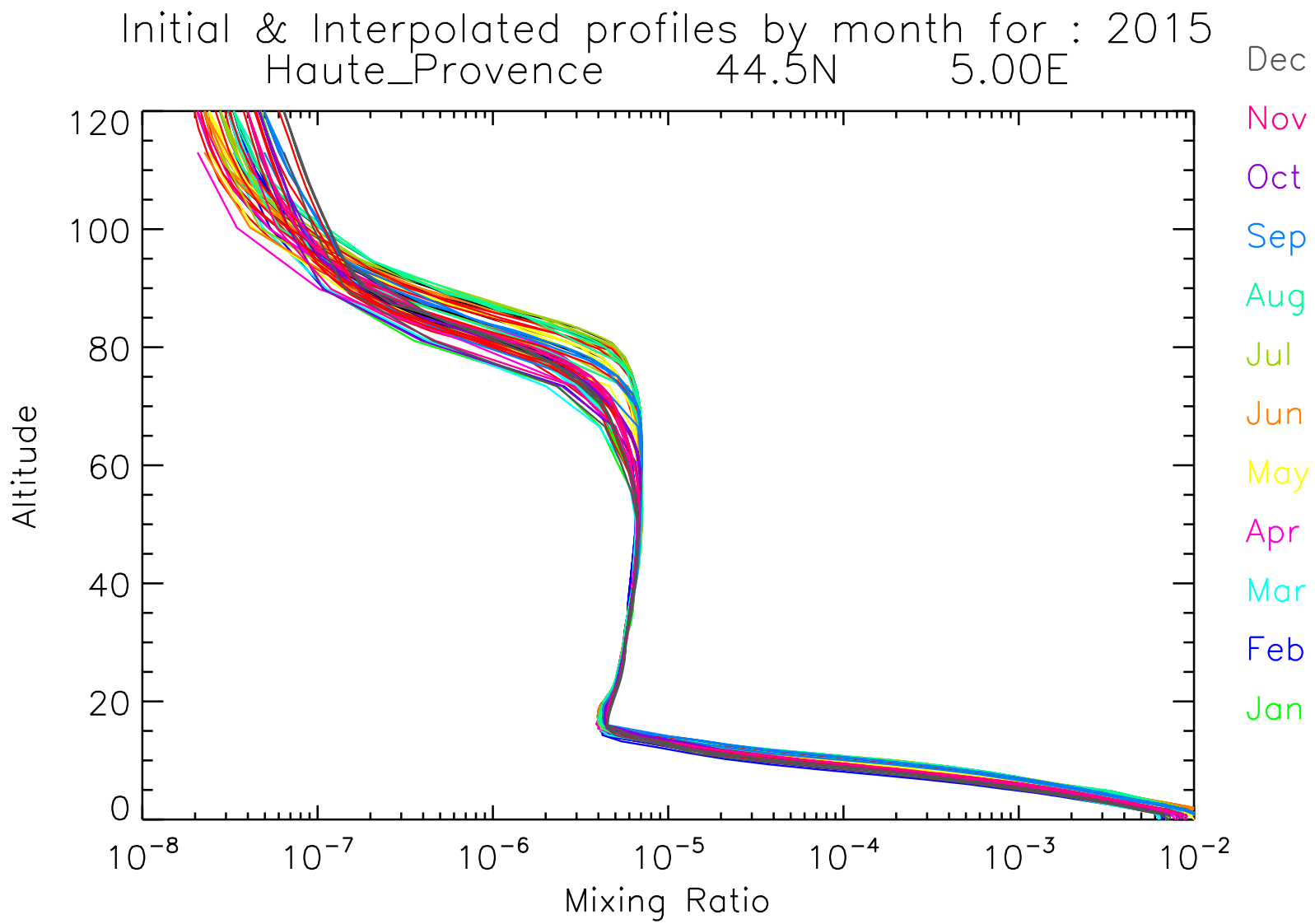
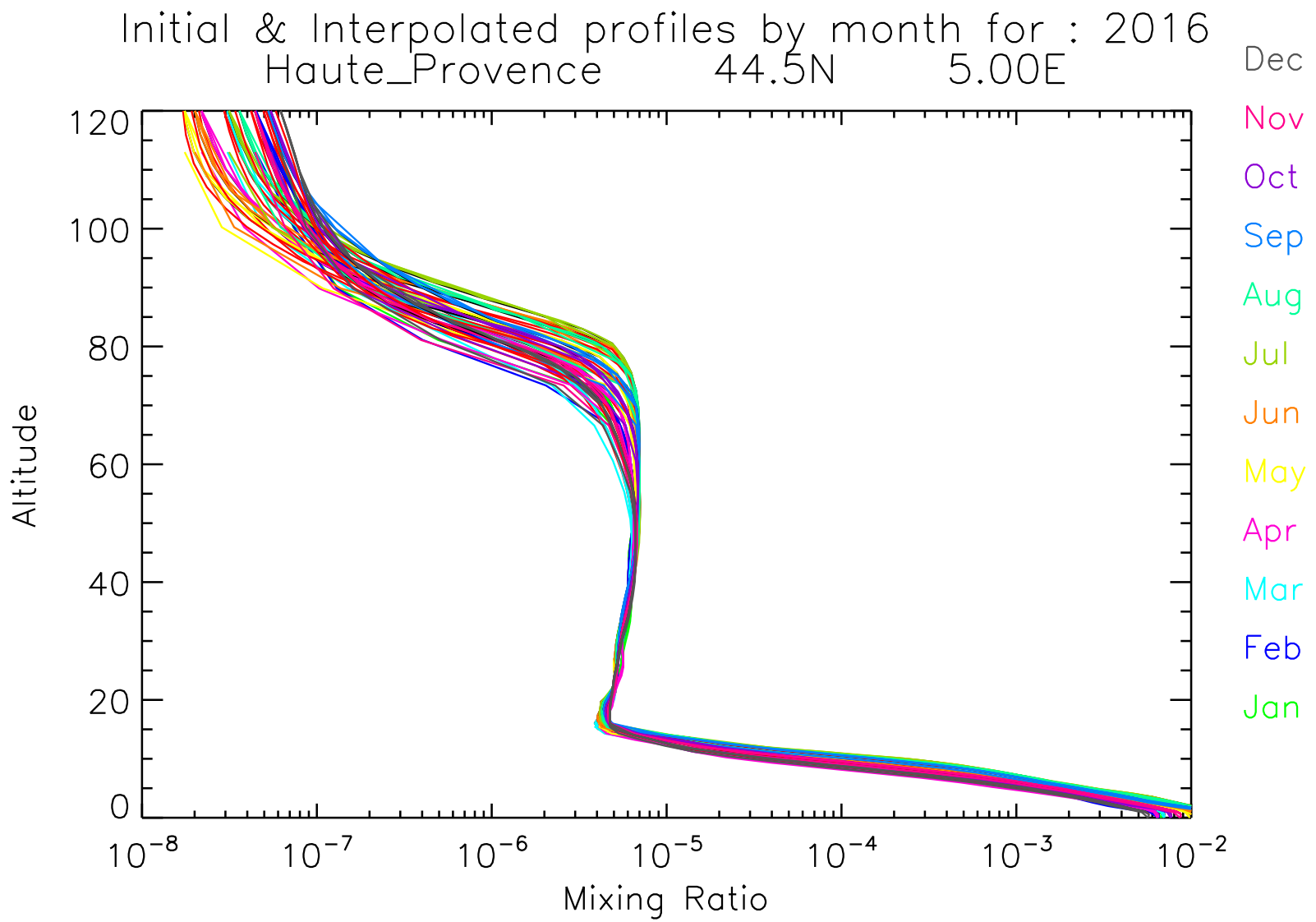
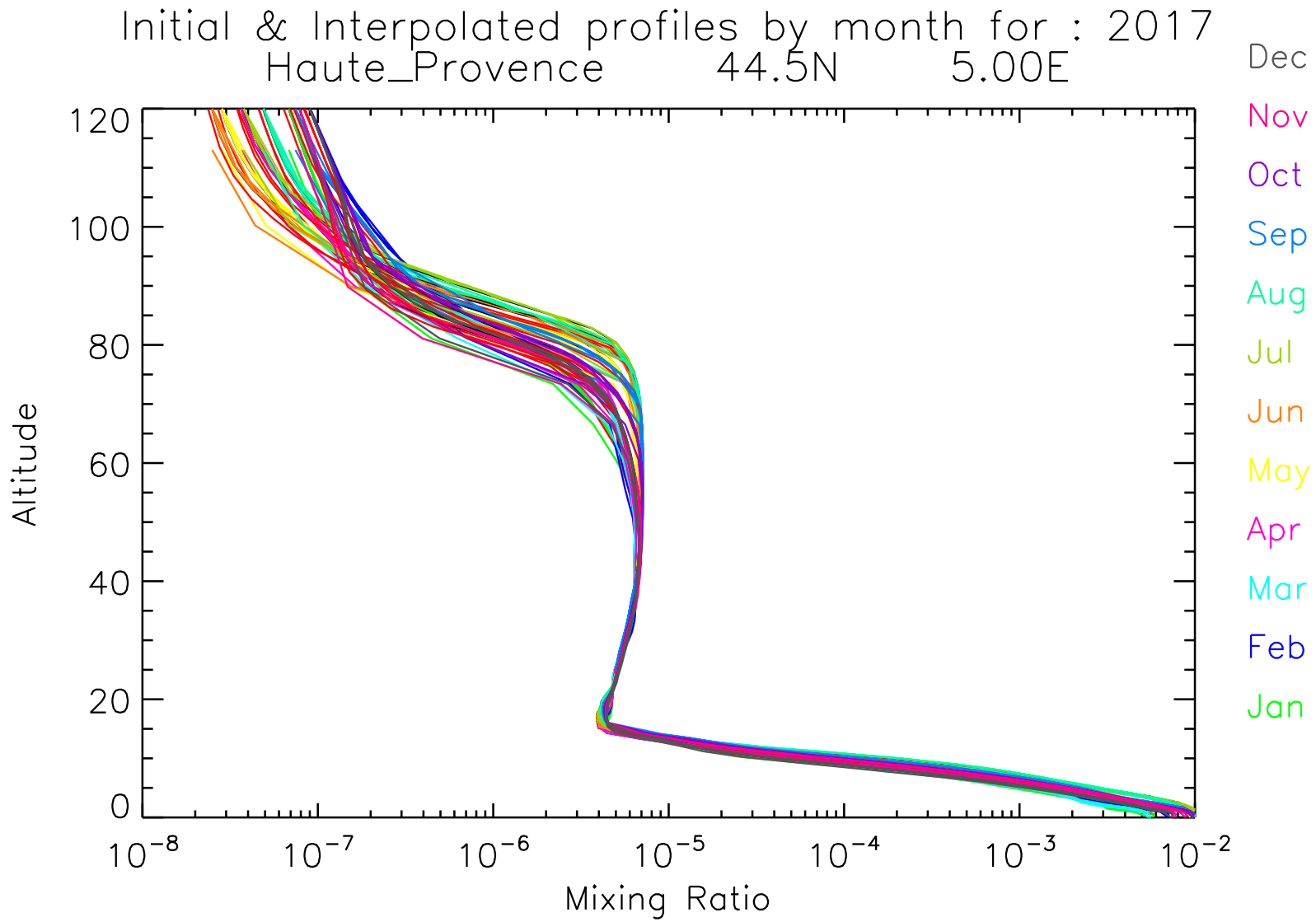
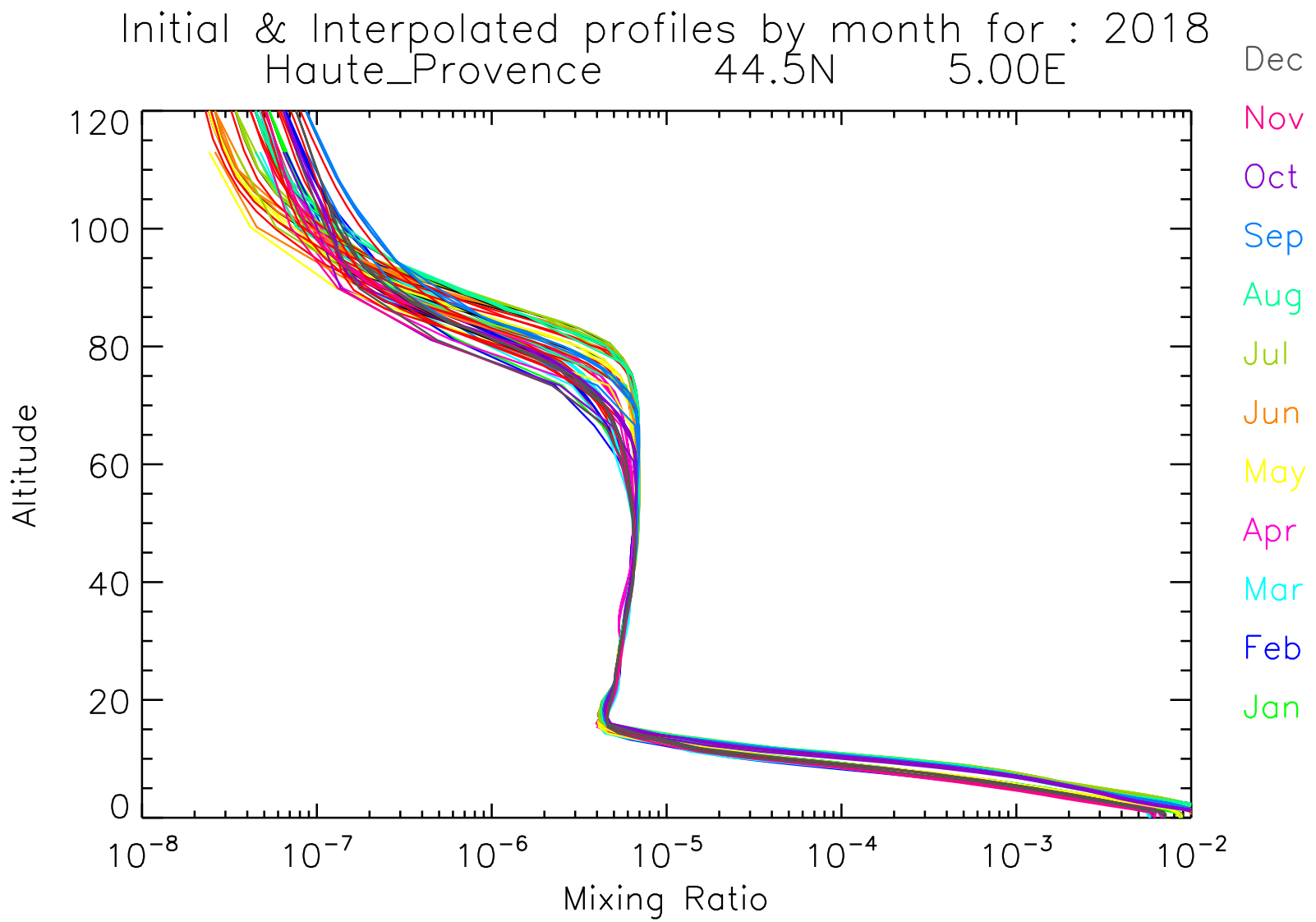
May
Apr
Mar
Feb
Jan

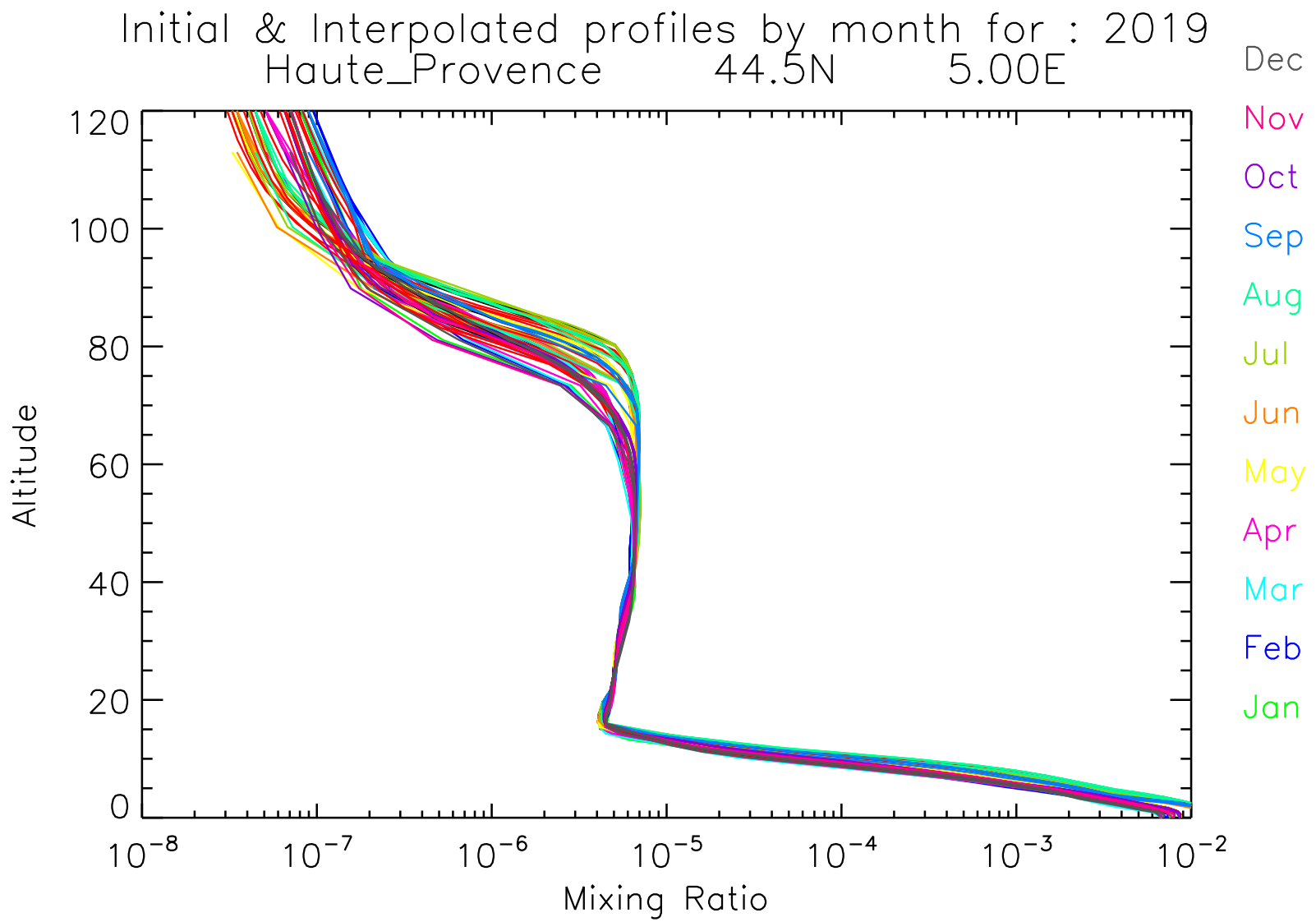

Initial & Interpolated profiles by month for : 2014
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2015
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
Haute_Provence 44.5N 5.00E
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
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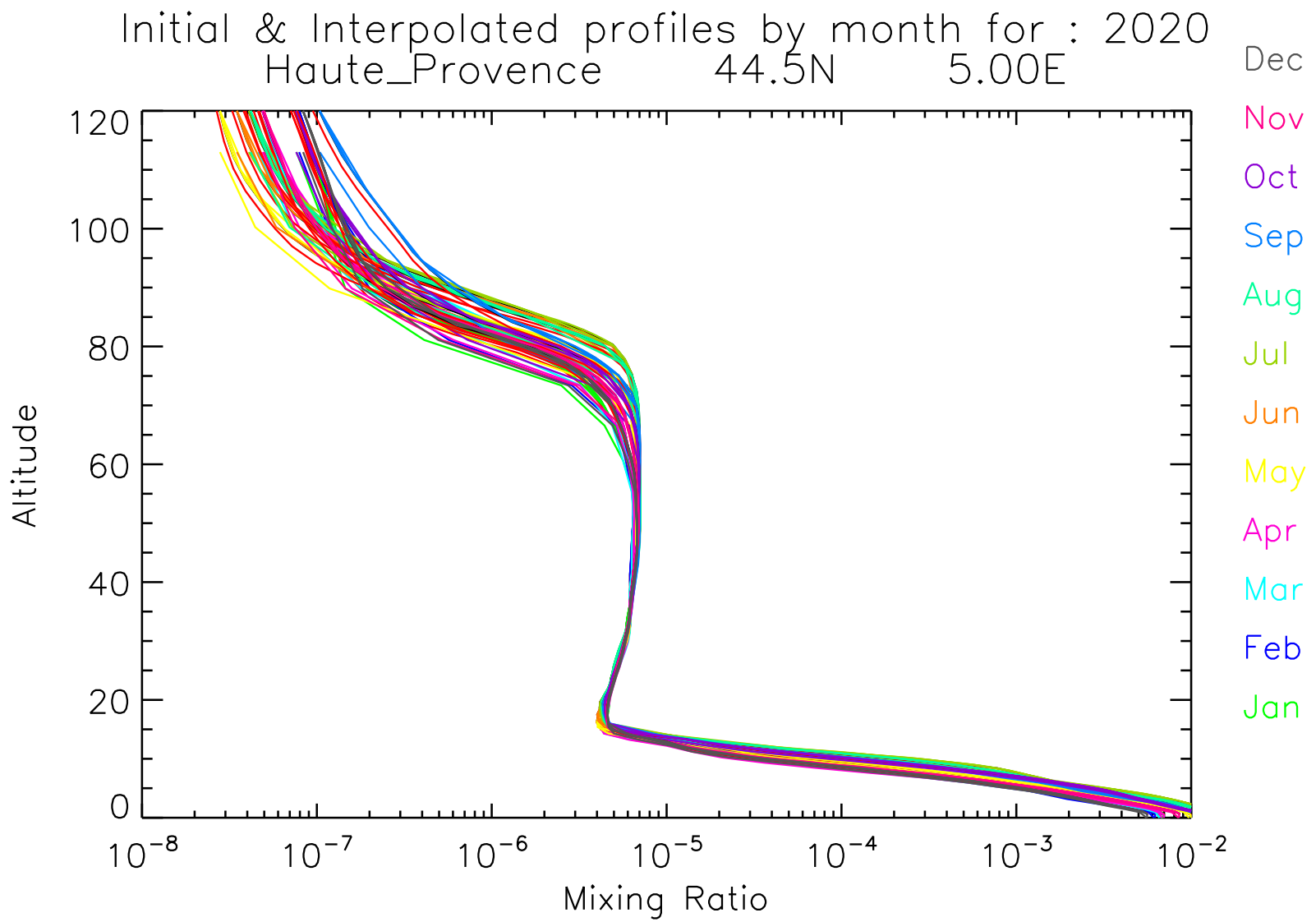
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2020
Haute_Provence 44.5N 5.00E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
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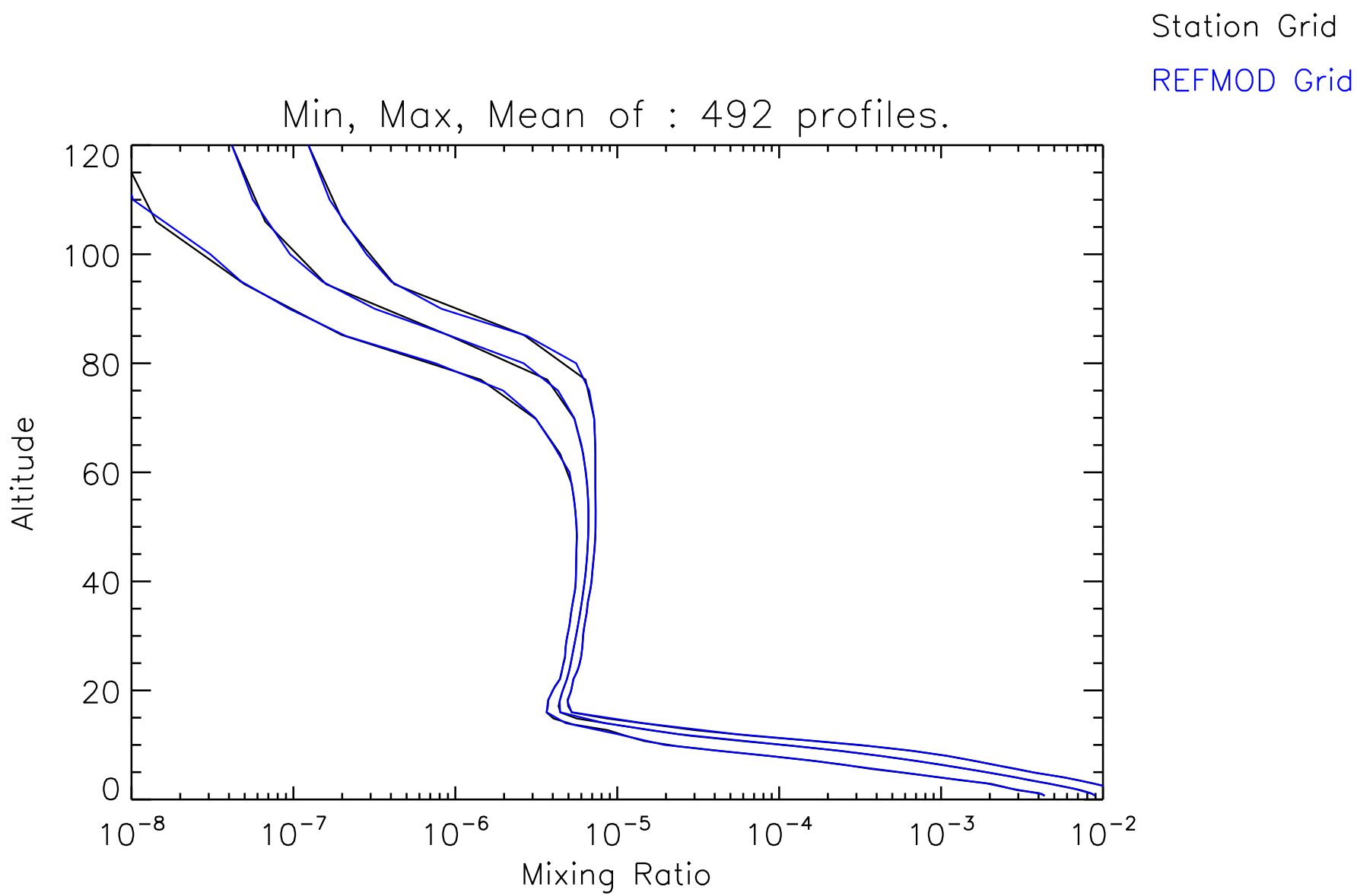
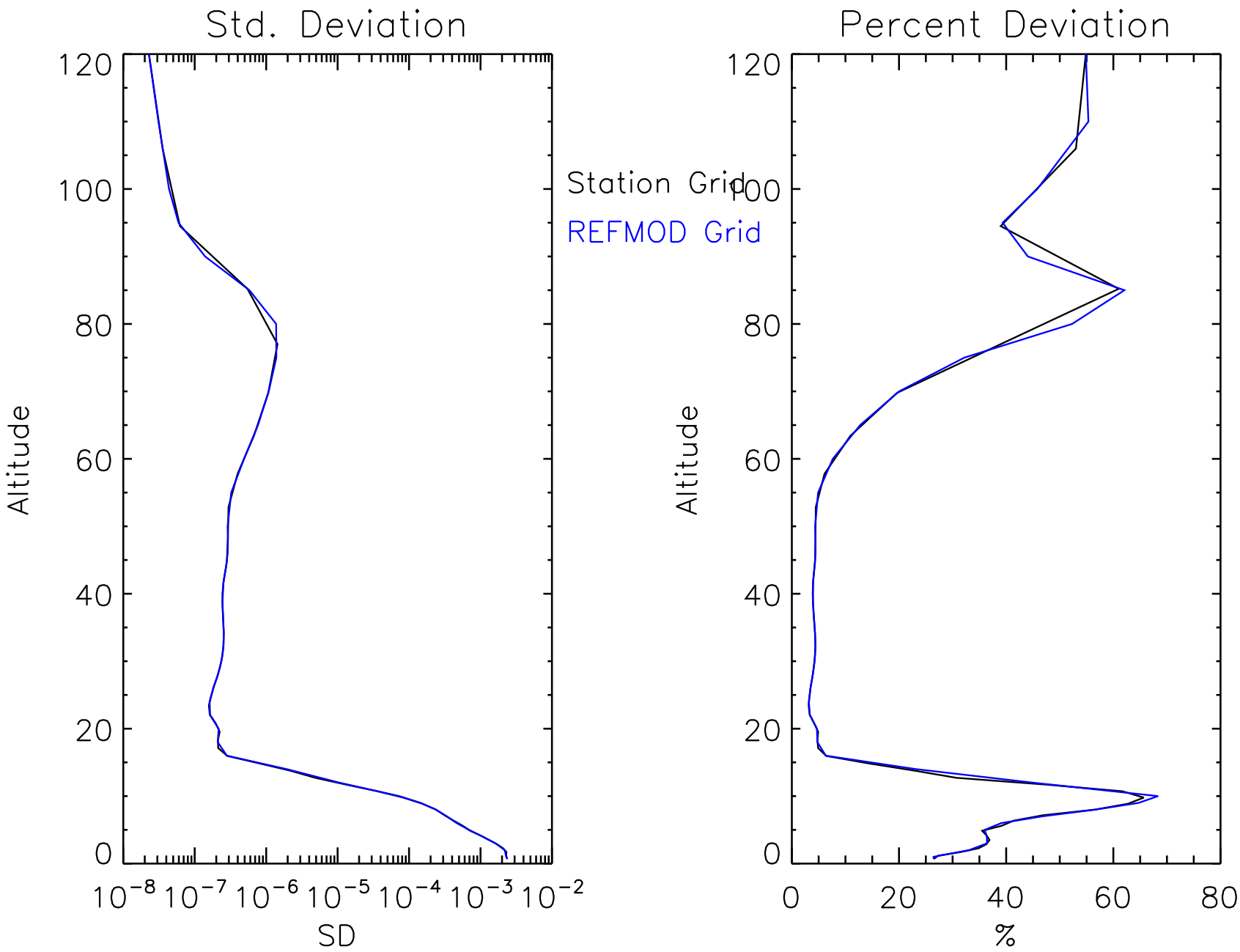
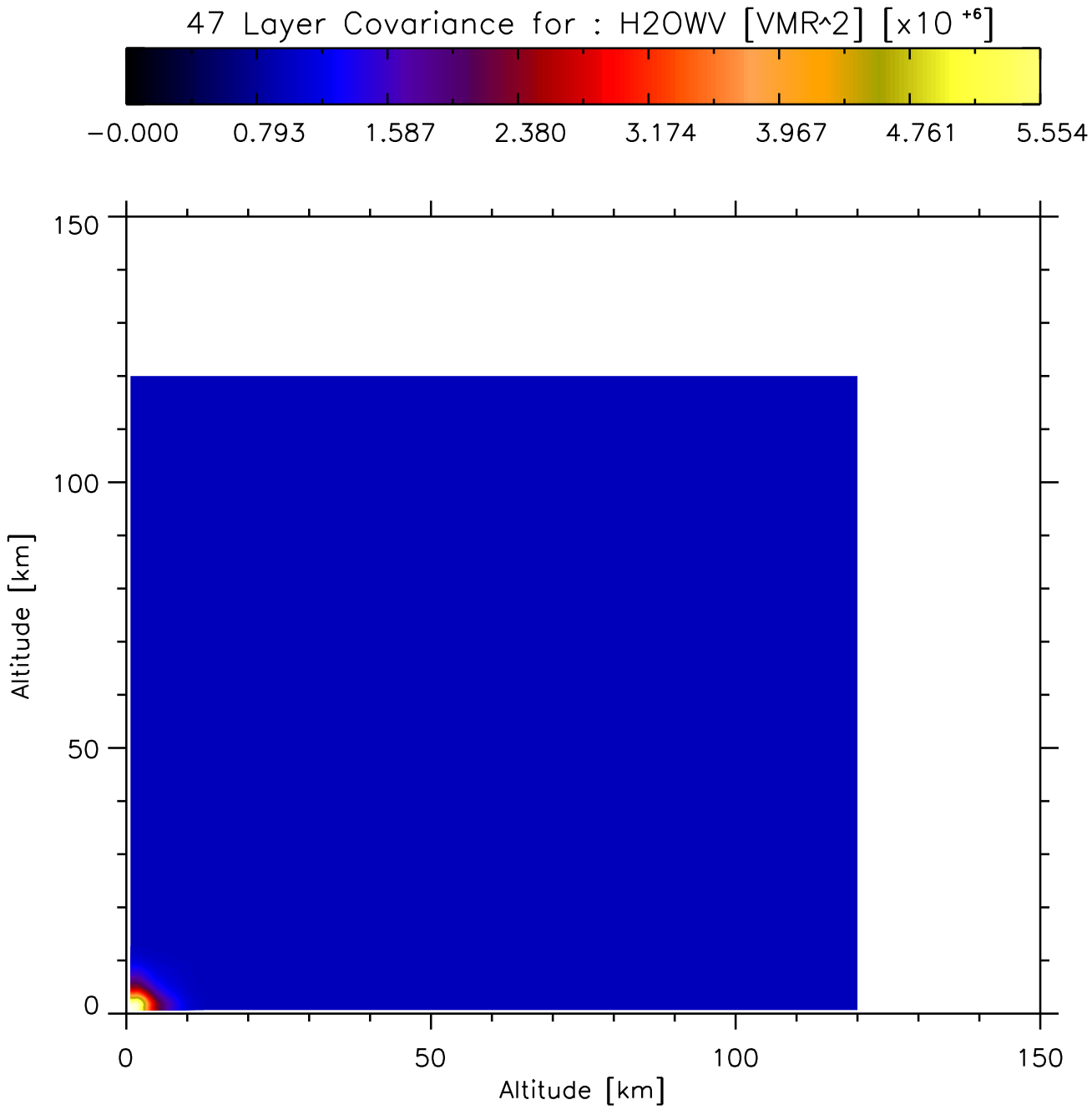
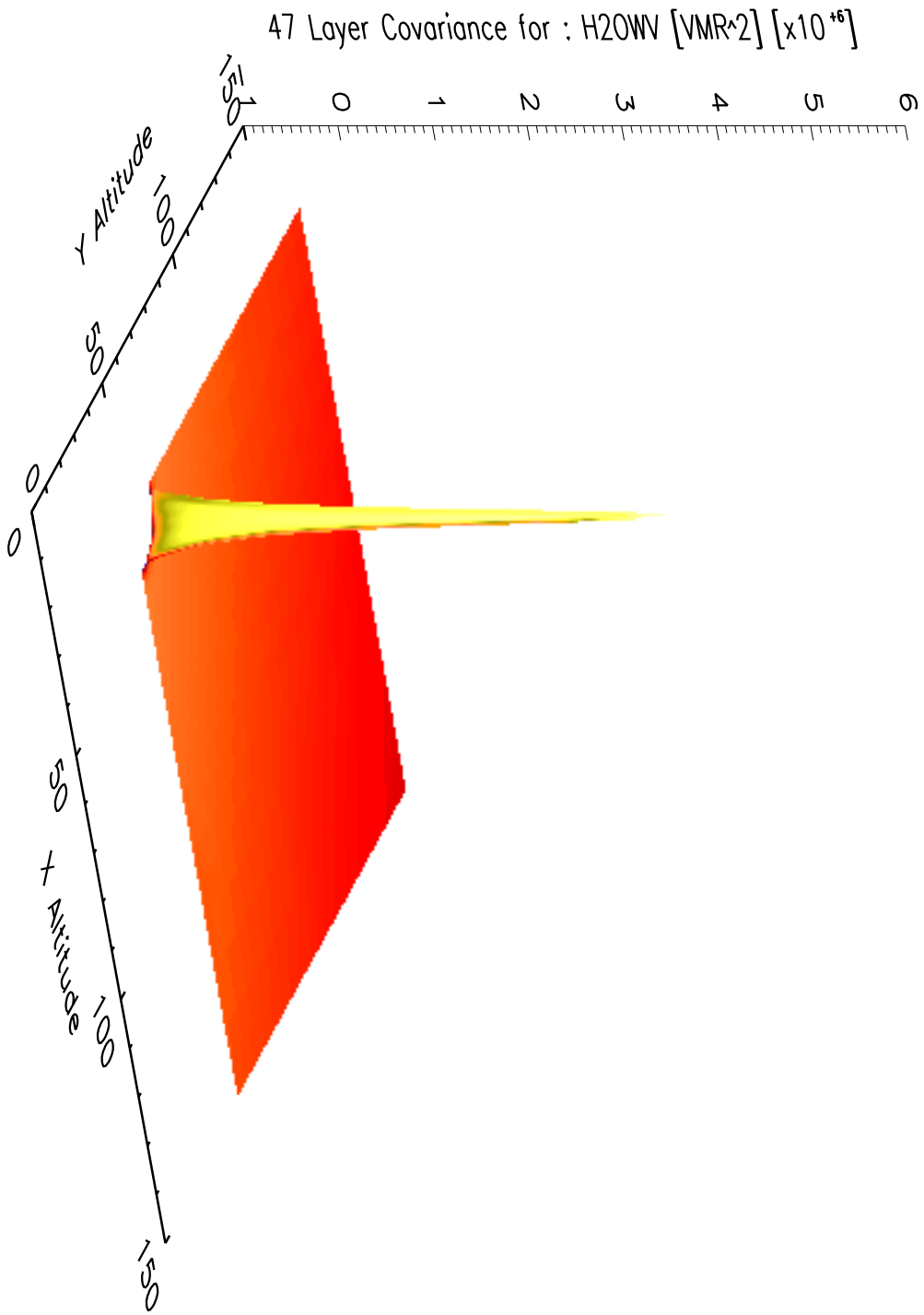
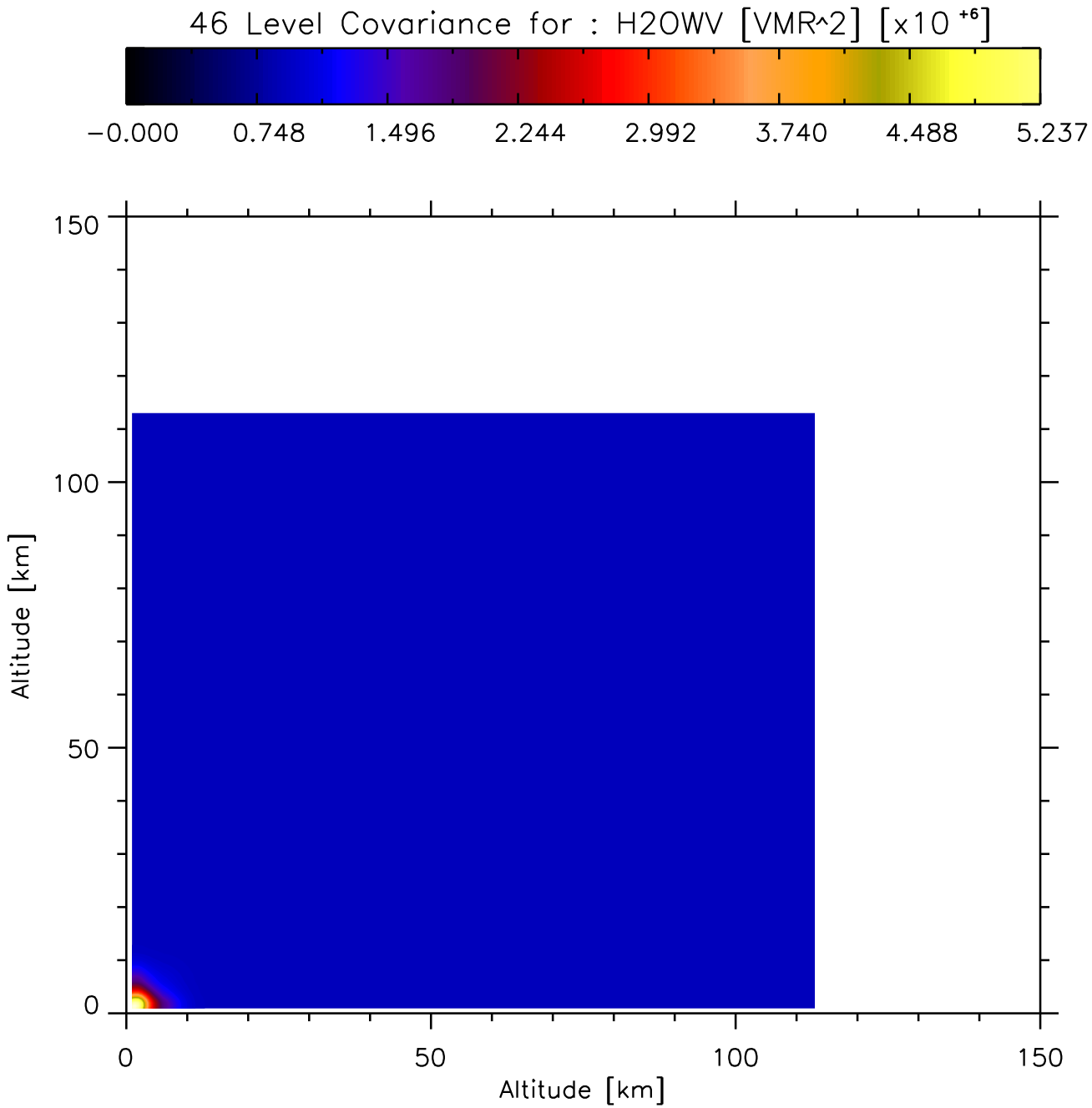
Feb
Jan

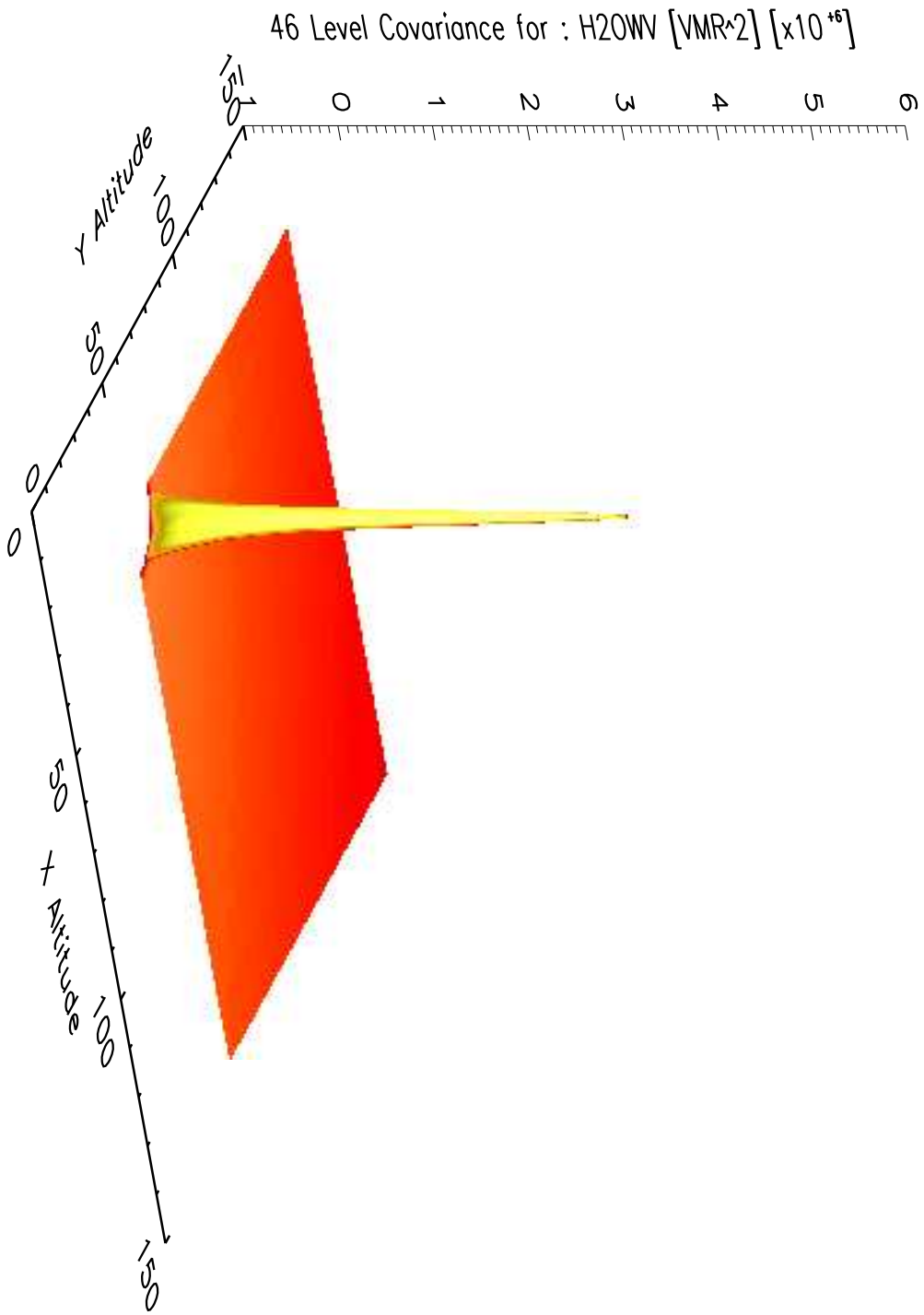

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio


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
%


47 Layer Covariance for : H2OWV [VMR^2] [x10 +6]
−0.000
0.793
1.587
2.380
3.174
3.967
4.761
5.554
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


47 Layer Covariance for : H2OWV [VMR^2] [x10^+6]
0
1
2
3
4
5
6
Y Altitude
150
100
50
0
X Altitude
0
50
100
150


46 Level Covariance for : H2OWV [VMR^2] [x10 +6]
−0.000
0.748
1.496
2.244
2.992
3.740
4.488
5.237
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


46 Level Covariance for : H2OWV [VMR^2] [x10^-6]
0
1
2
3
4
5
6
150
100
50
0
Y Altitude
0
50
100
150
X Altitude