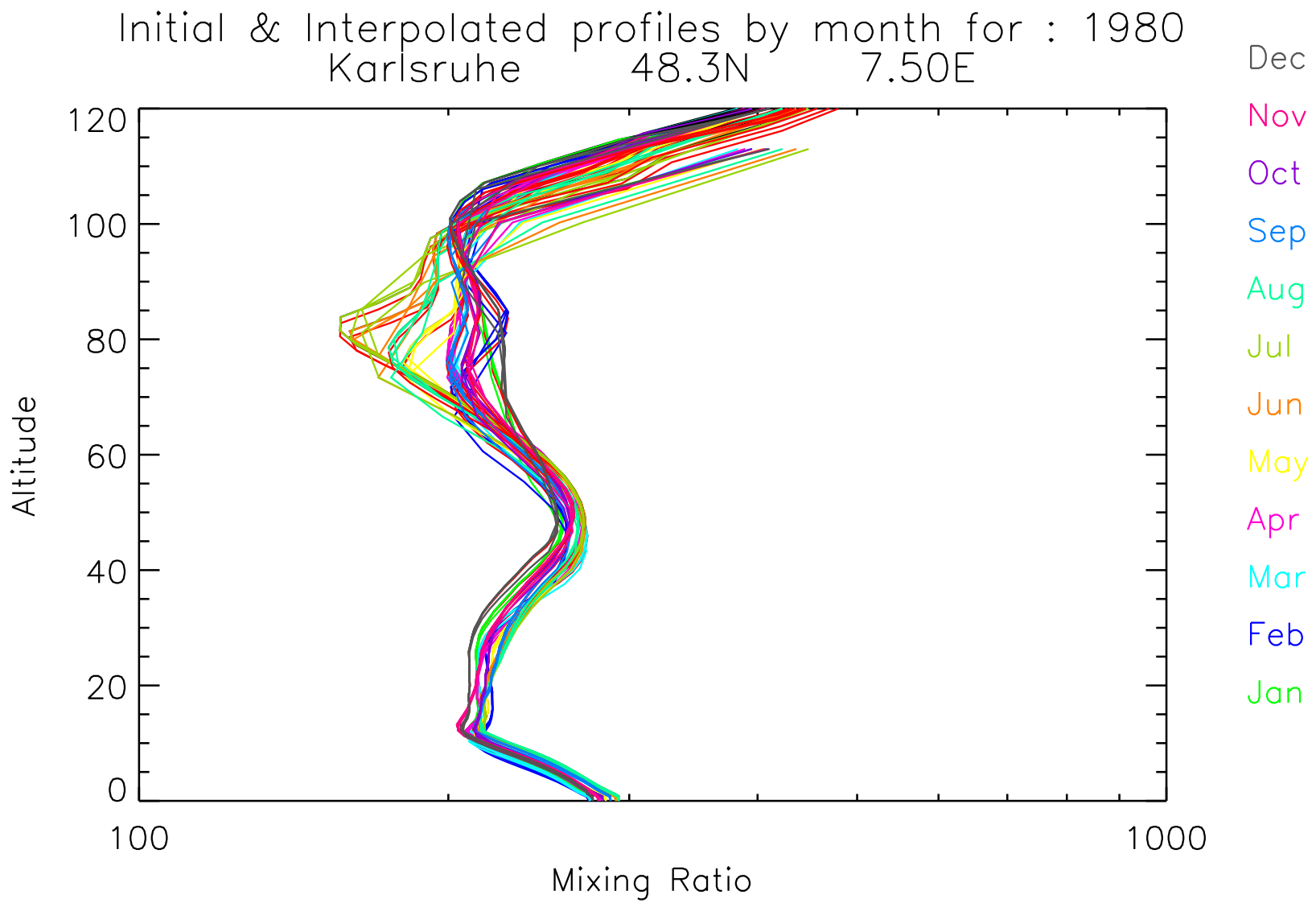
Initial & Interpolated profiles by month for : 1980
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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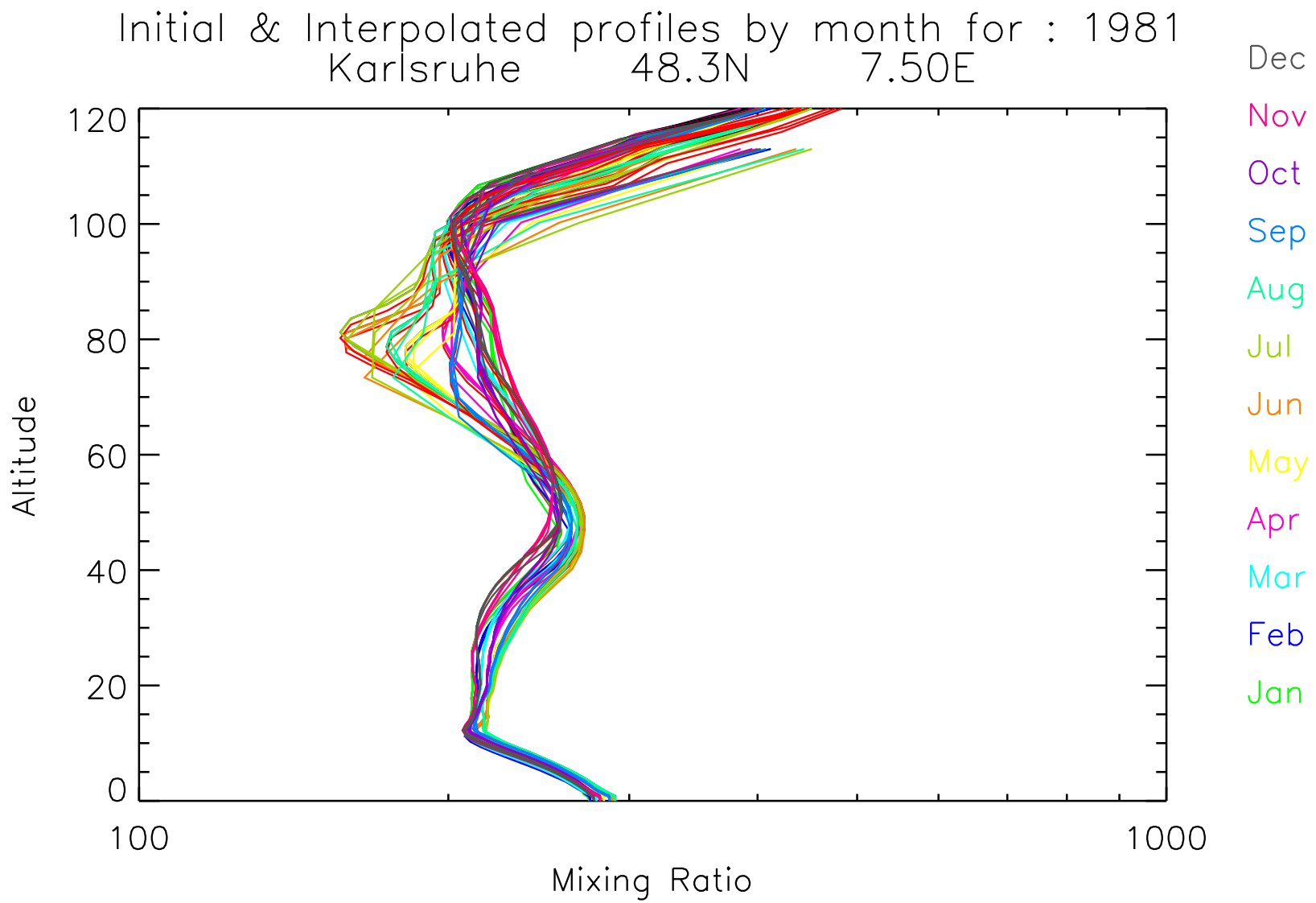
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Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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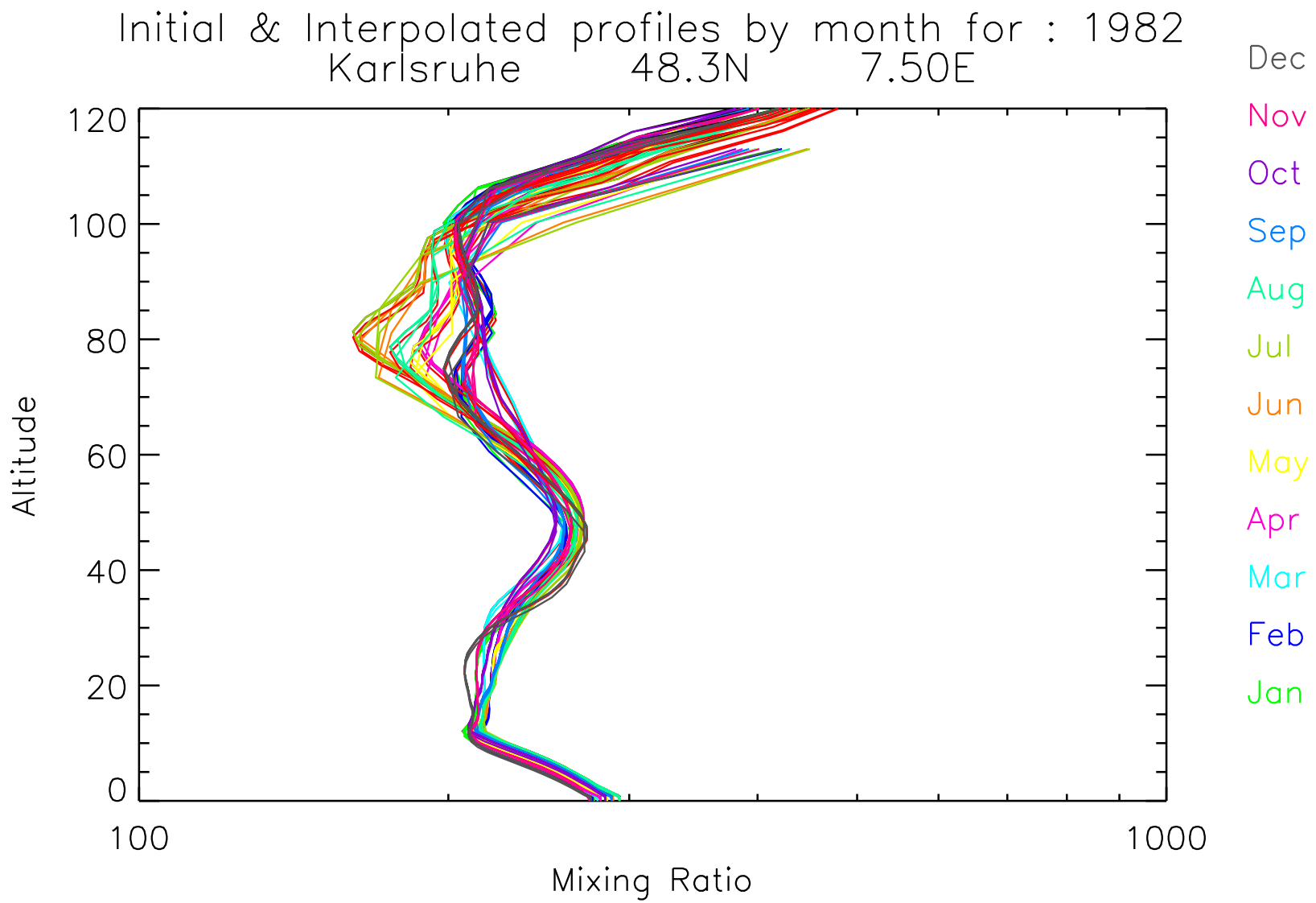
Initial & Interpolated profiles by month for : 1982
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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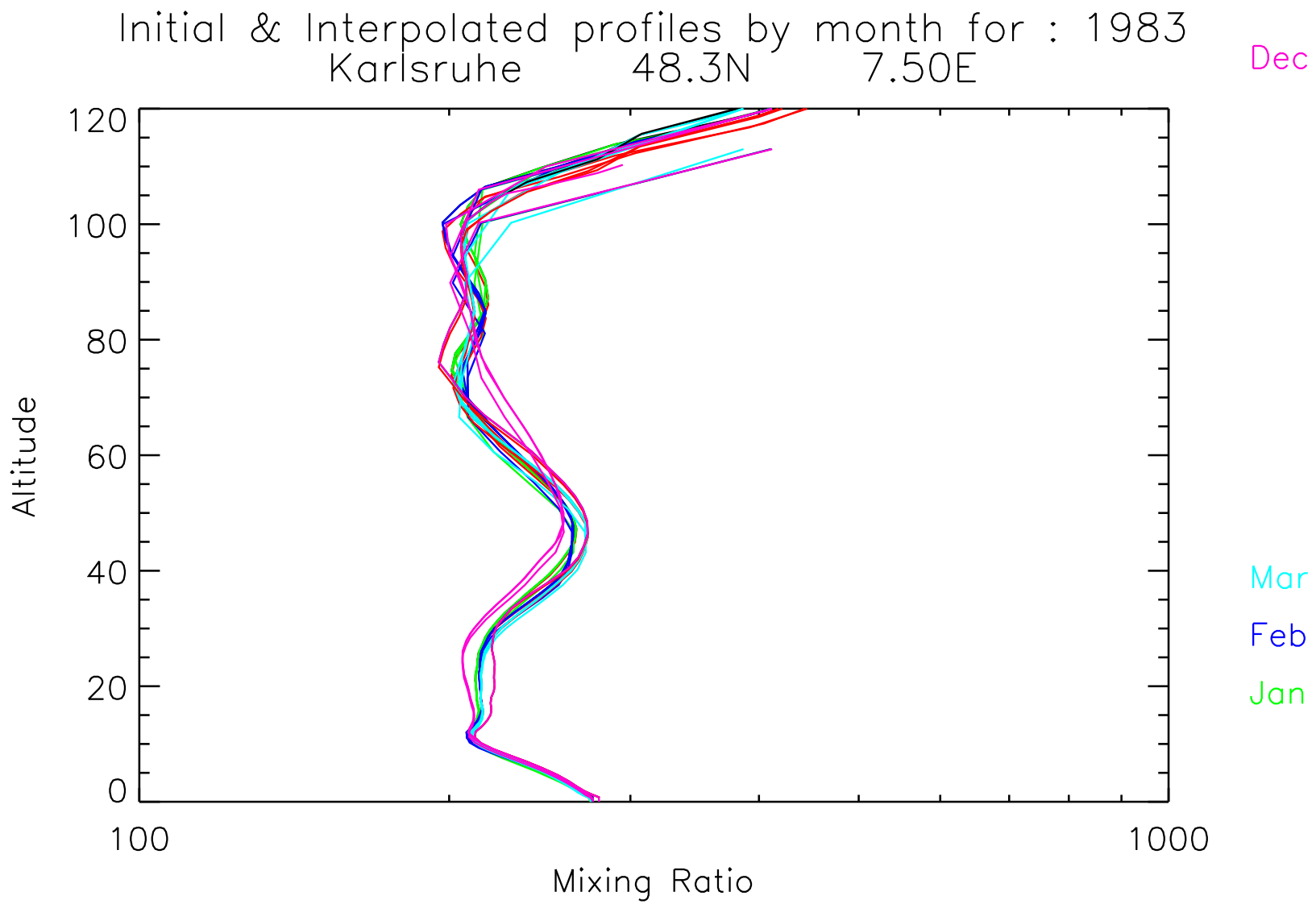
Initial & Interpolated profiles by month for : 1983
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Mar
Feb
Jan
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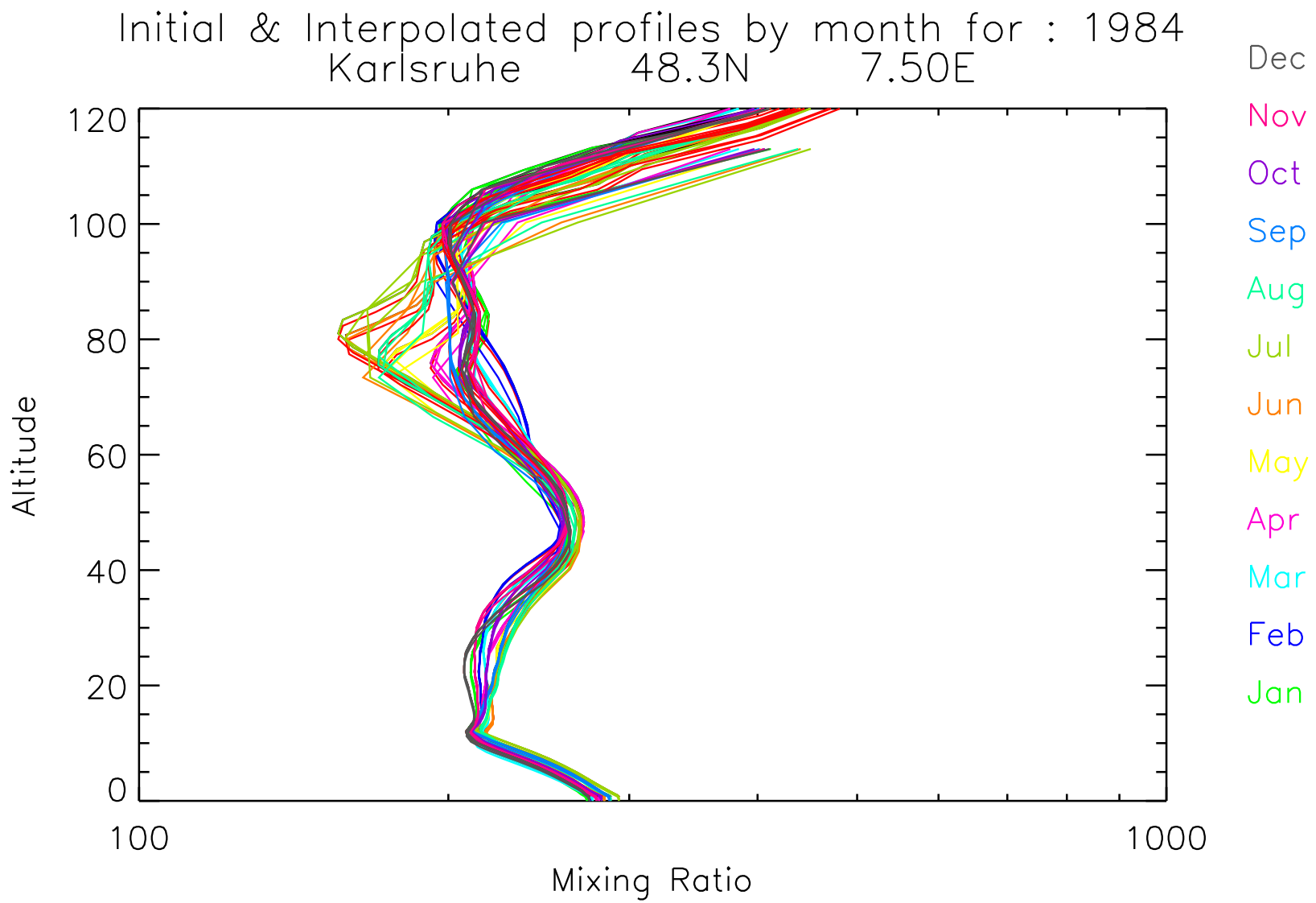
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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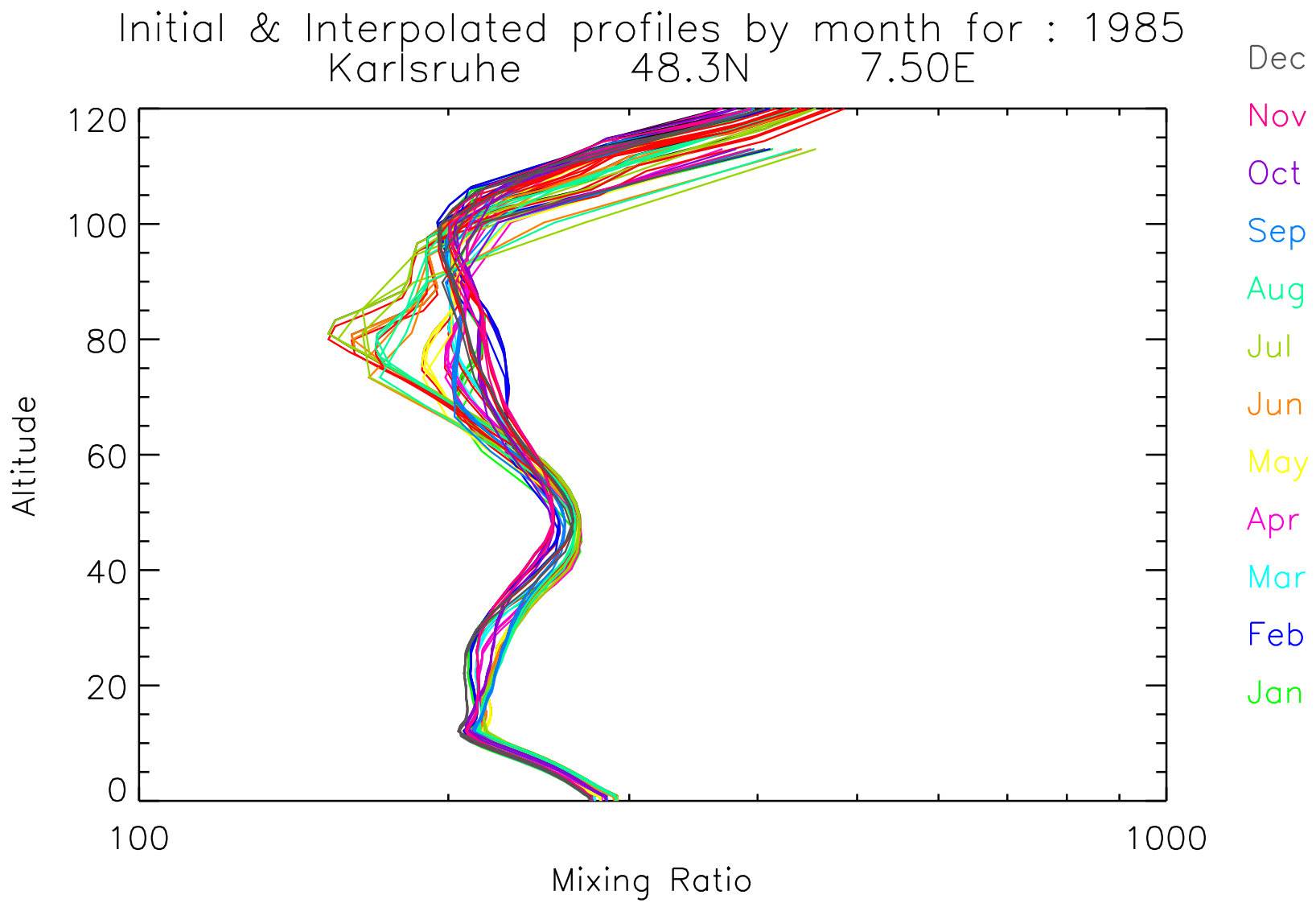
Initial & Interpolated profiles by month for : 1985
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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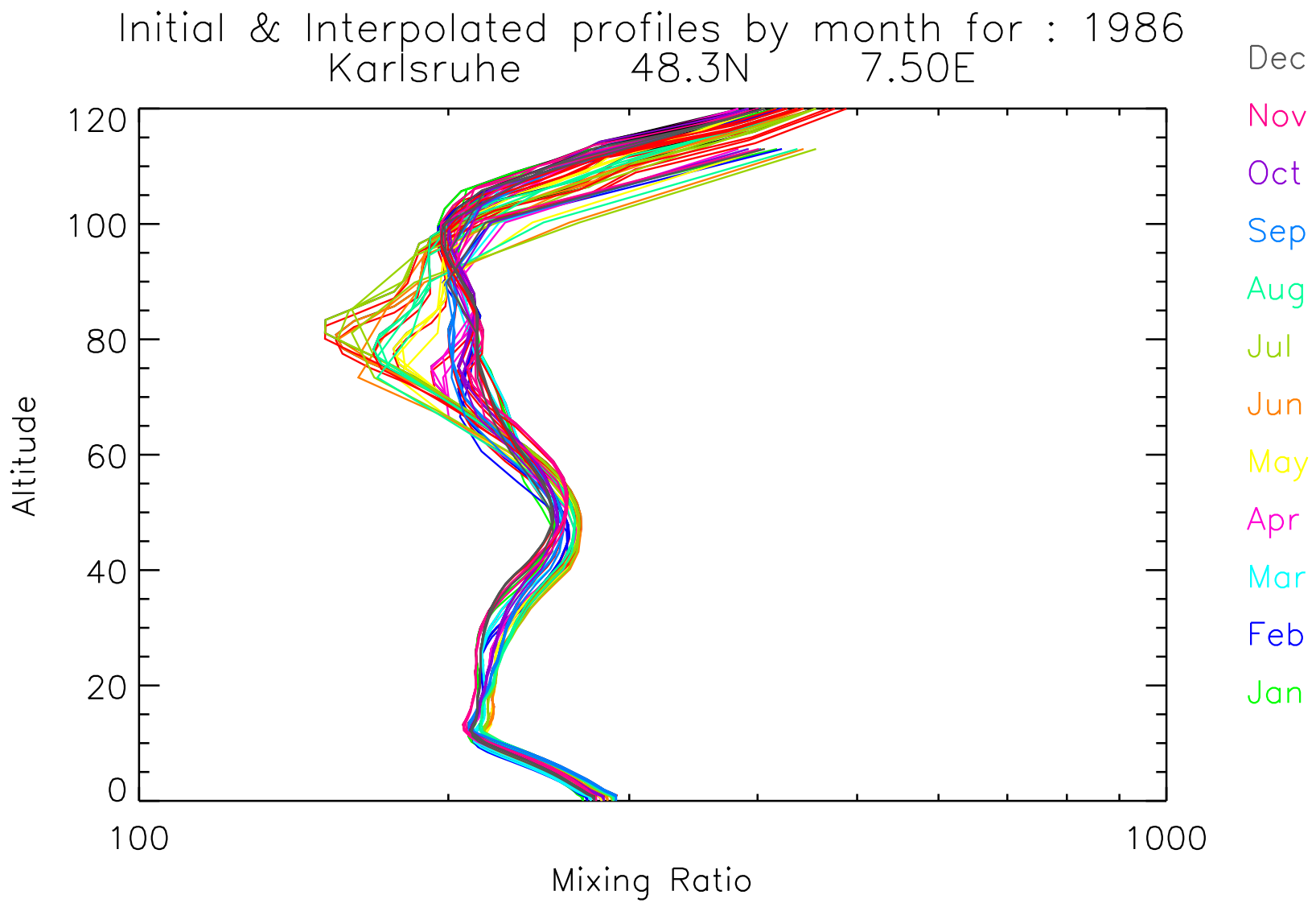
Initial & Interpolated profiles by month for : 1986
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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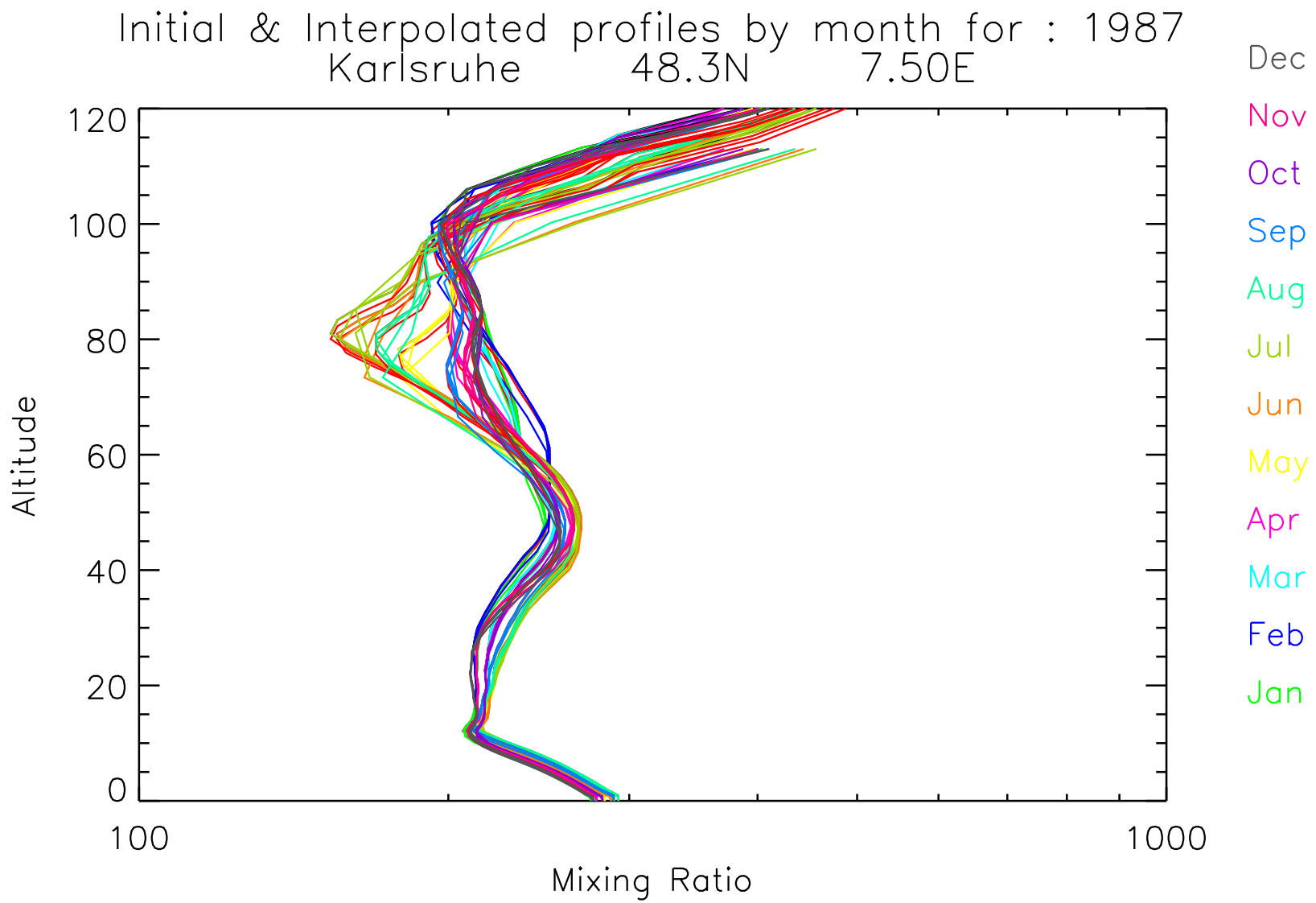
Initial & Interpolated profiles by month for : 1987
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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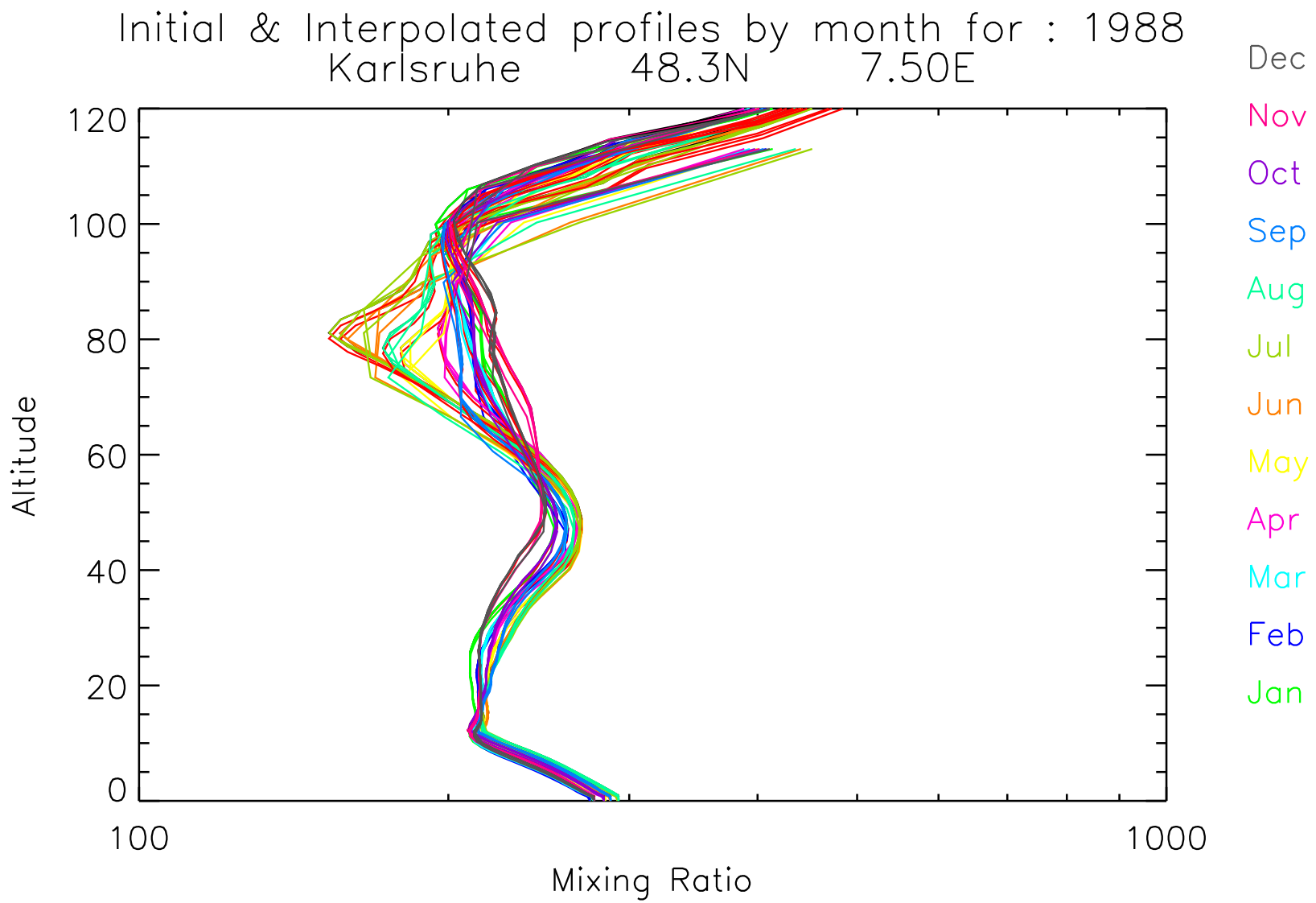
Initial & Interpolated profiles by month for : 1988
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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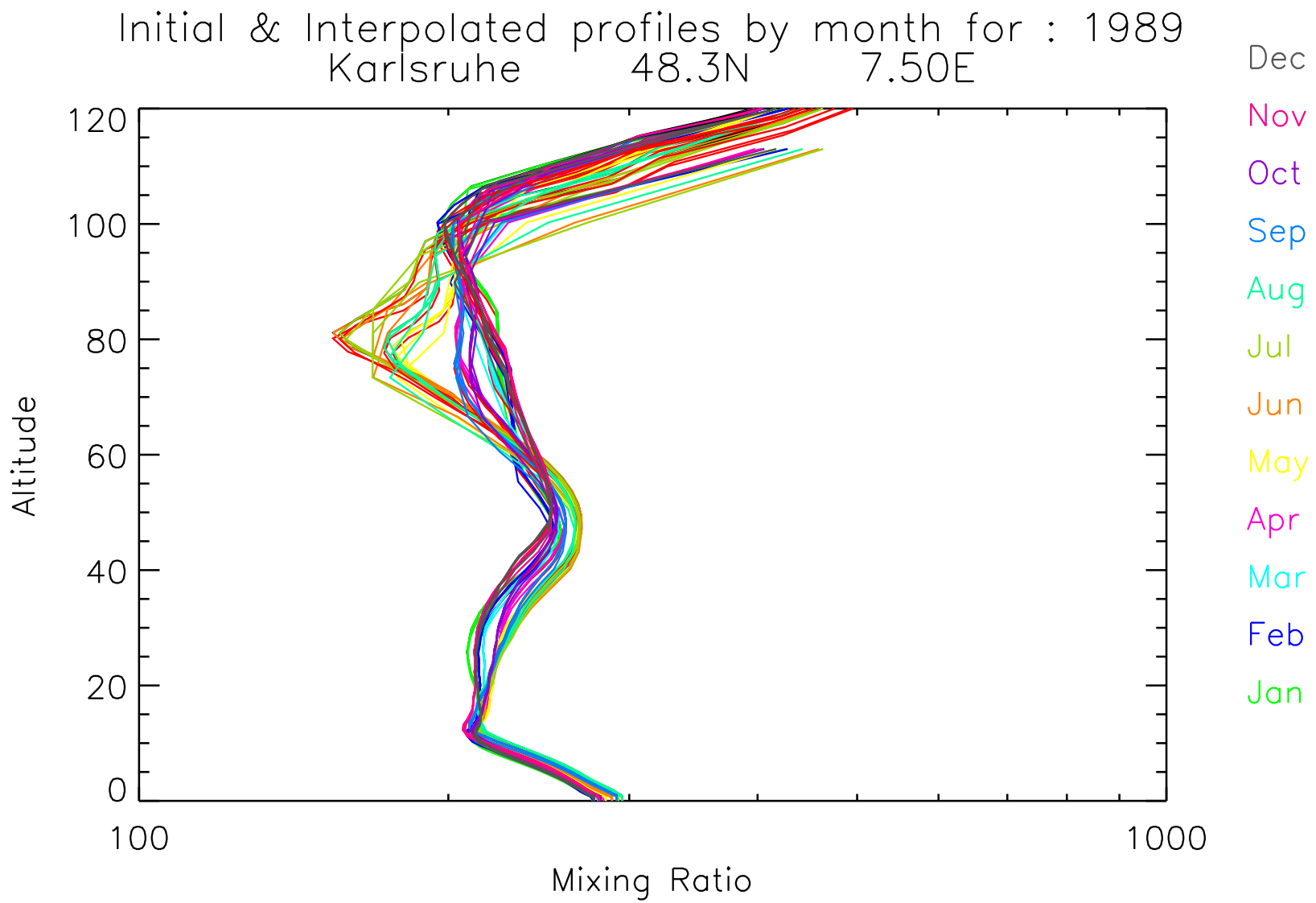
Initial & Interpolated profiles by month for : 1989
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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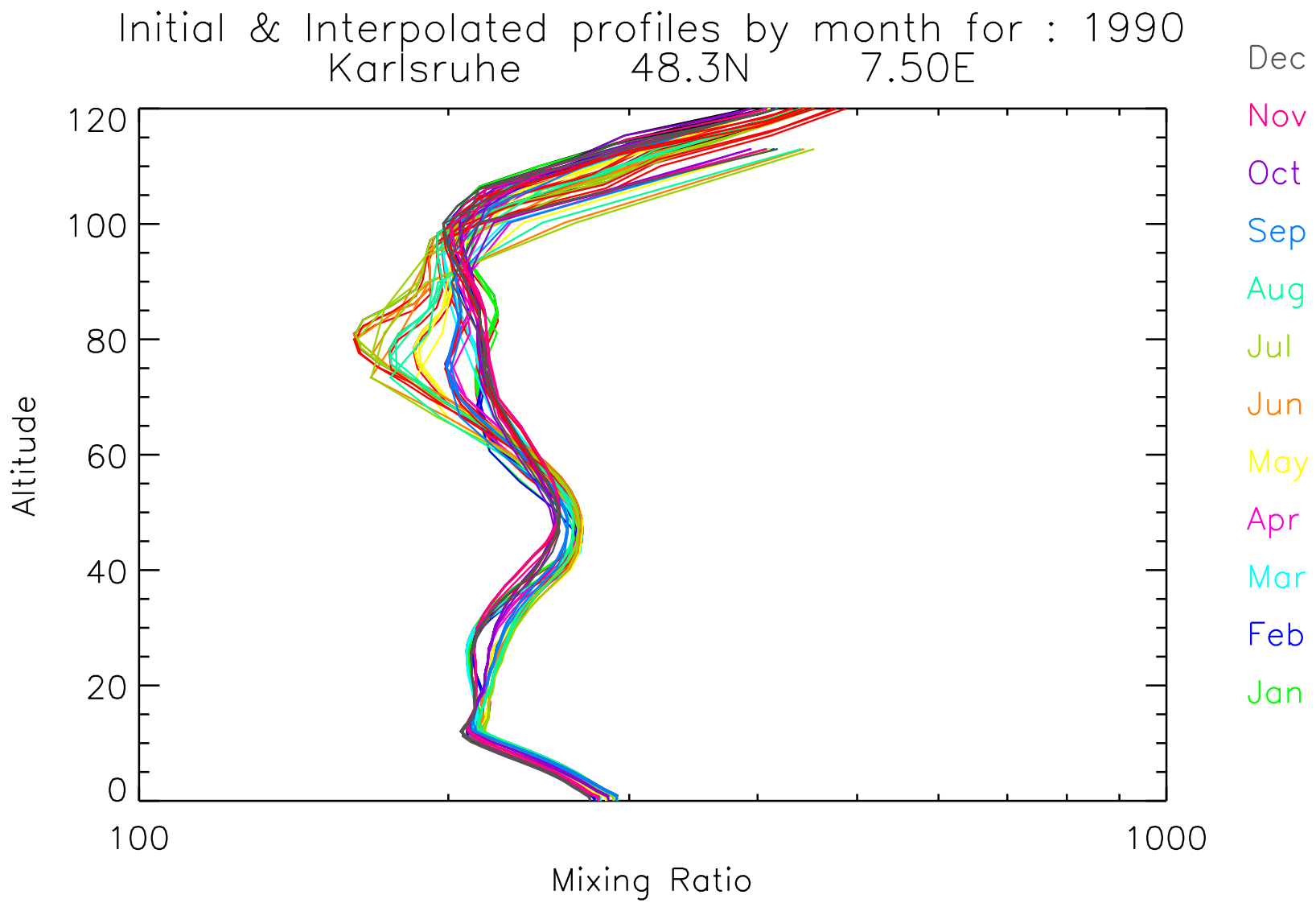
Initial & Interpolated profiles by month for : 1990
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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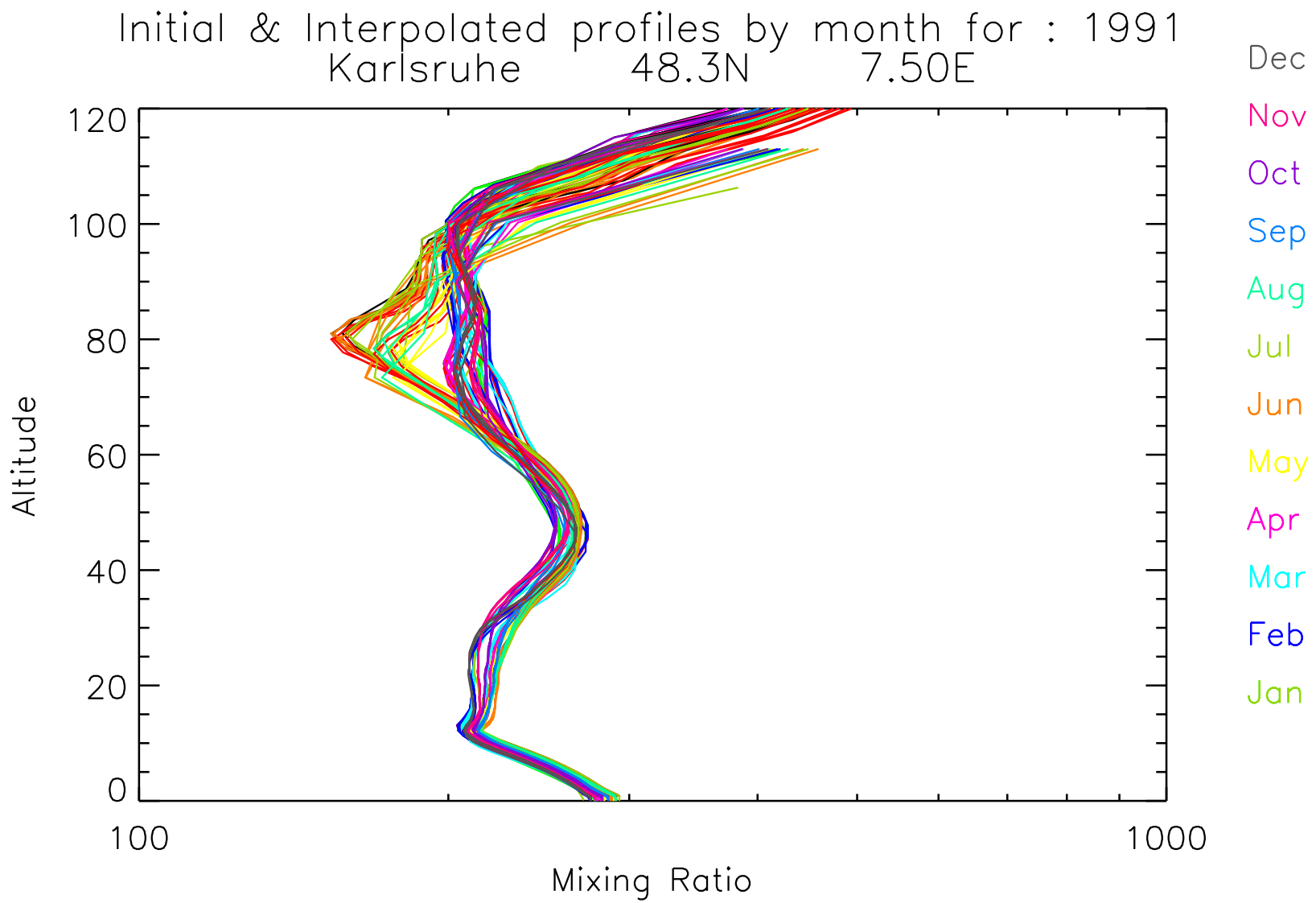
Initial & Interpolated profiles by month for : 1991
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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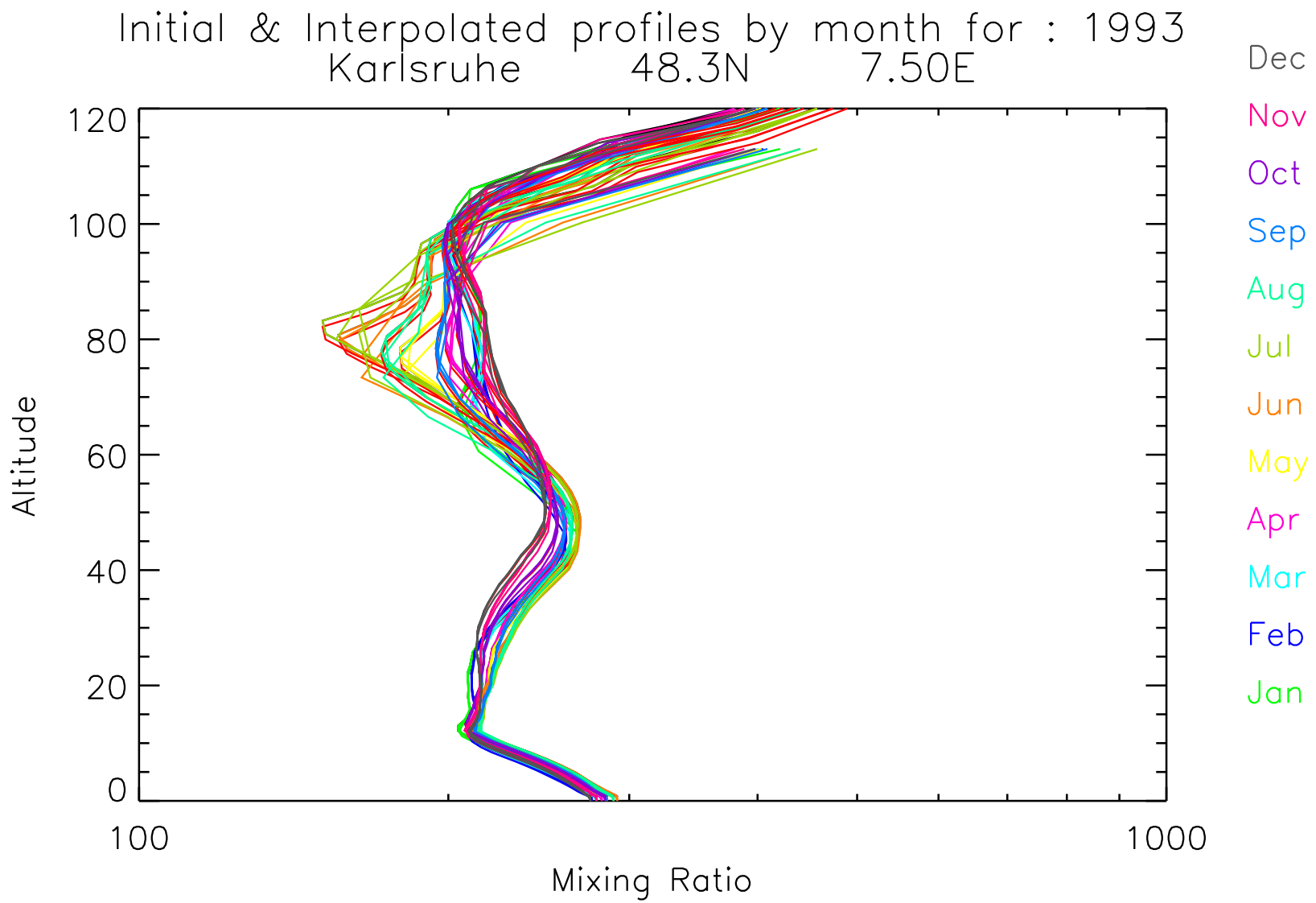
Initial & Interpolated profiles by month for : 1993
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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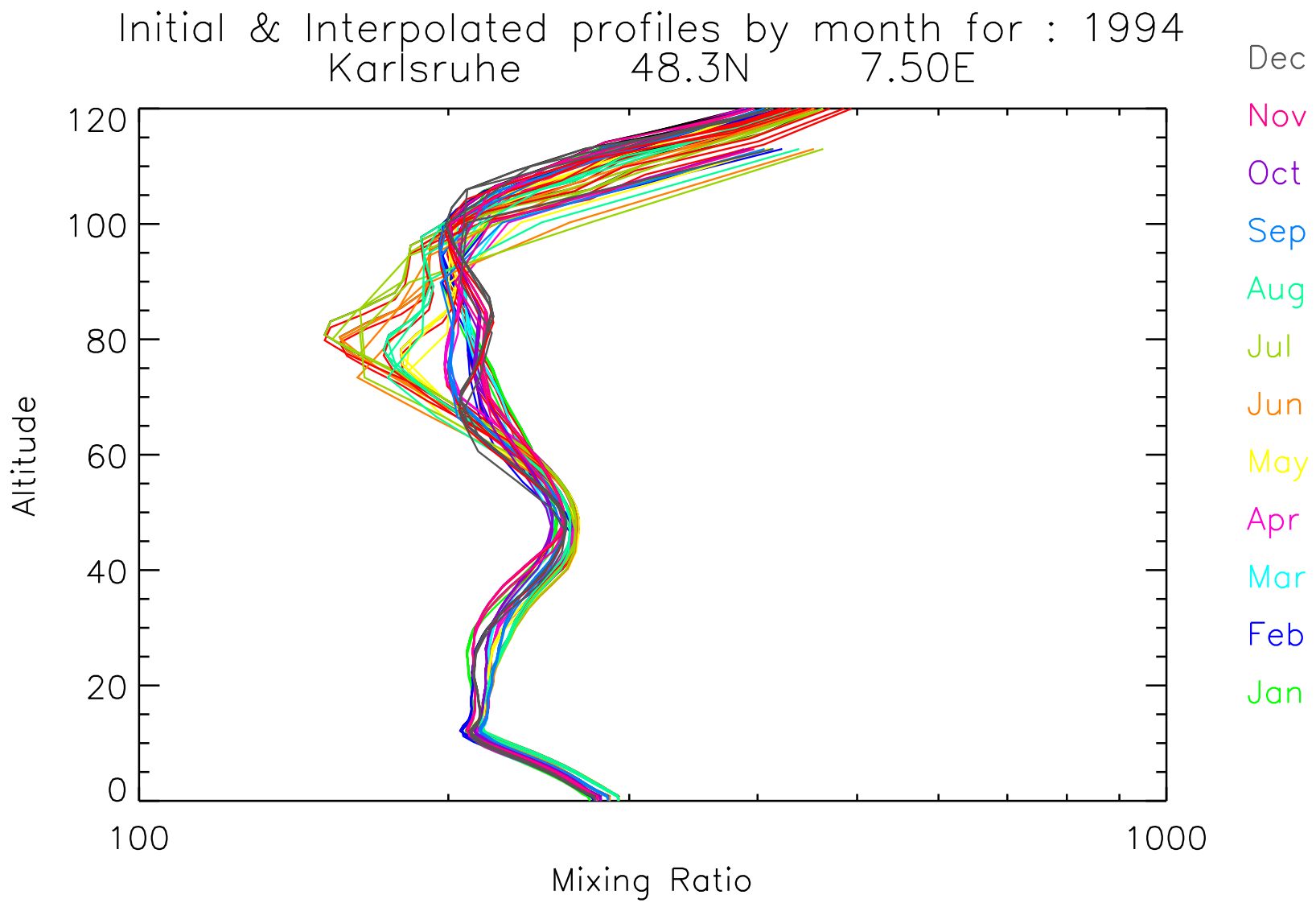
Initial & Interpolated profiles by month for : 1994
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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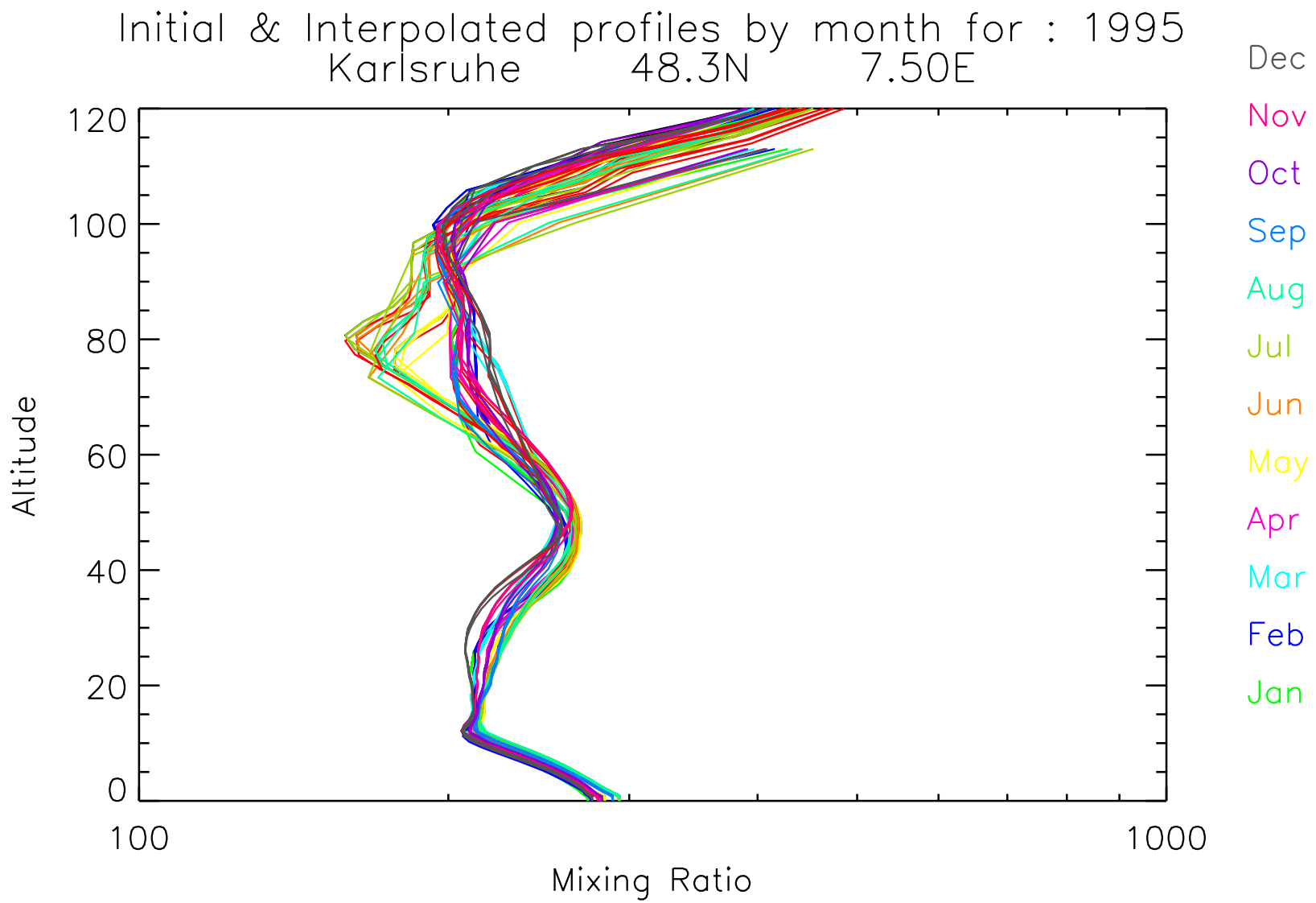
Initial & Interpolated profiles by month for : 1995
Karlsruhe 48.3N 7.50E
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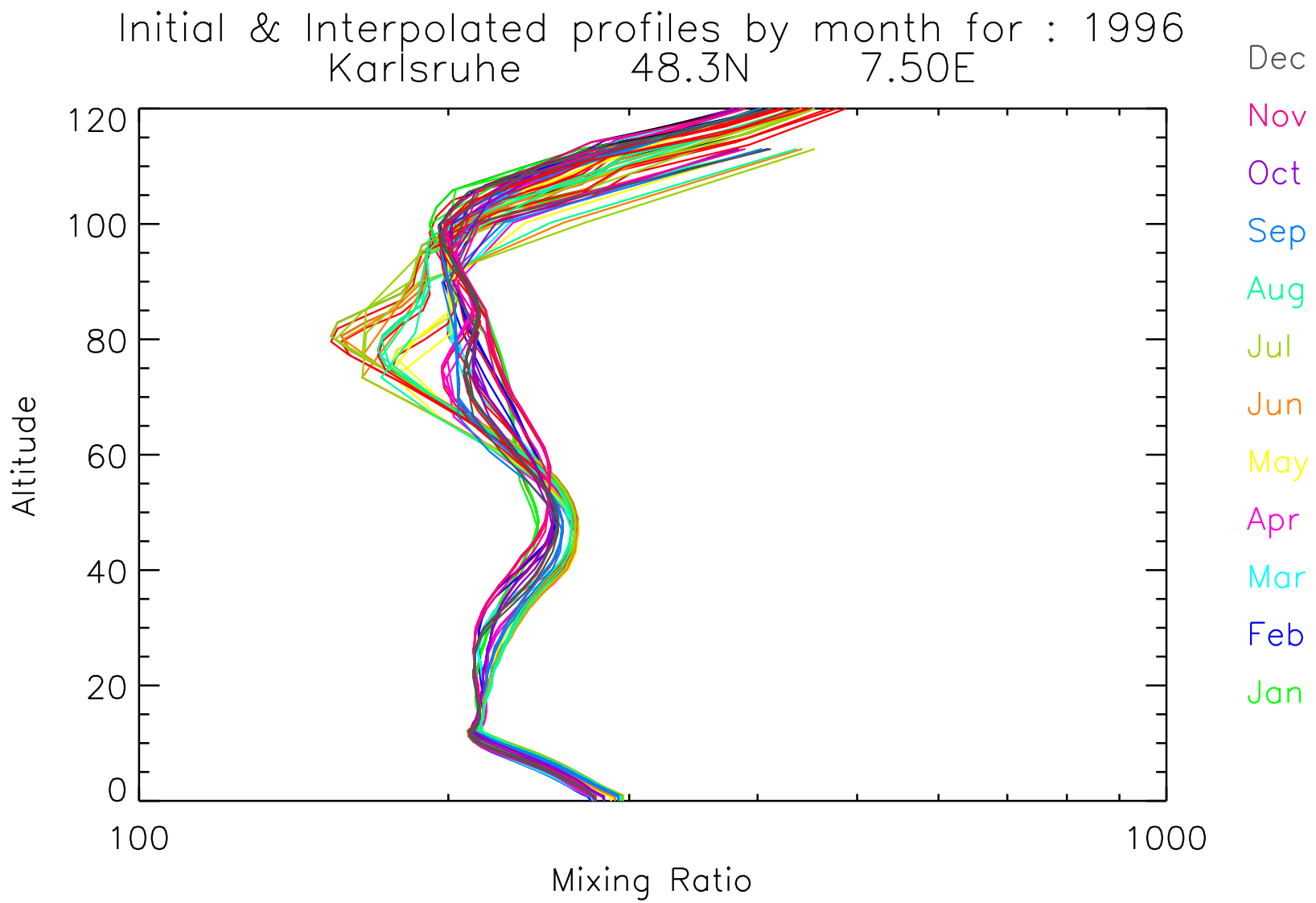
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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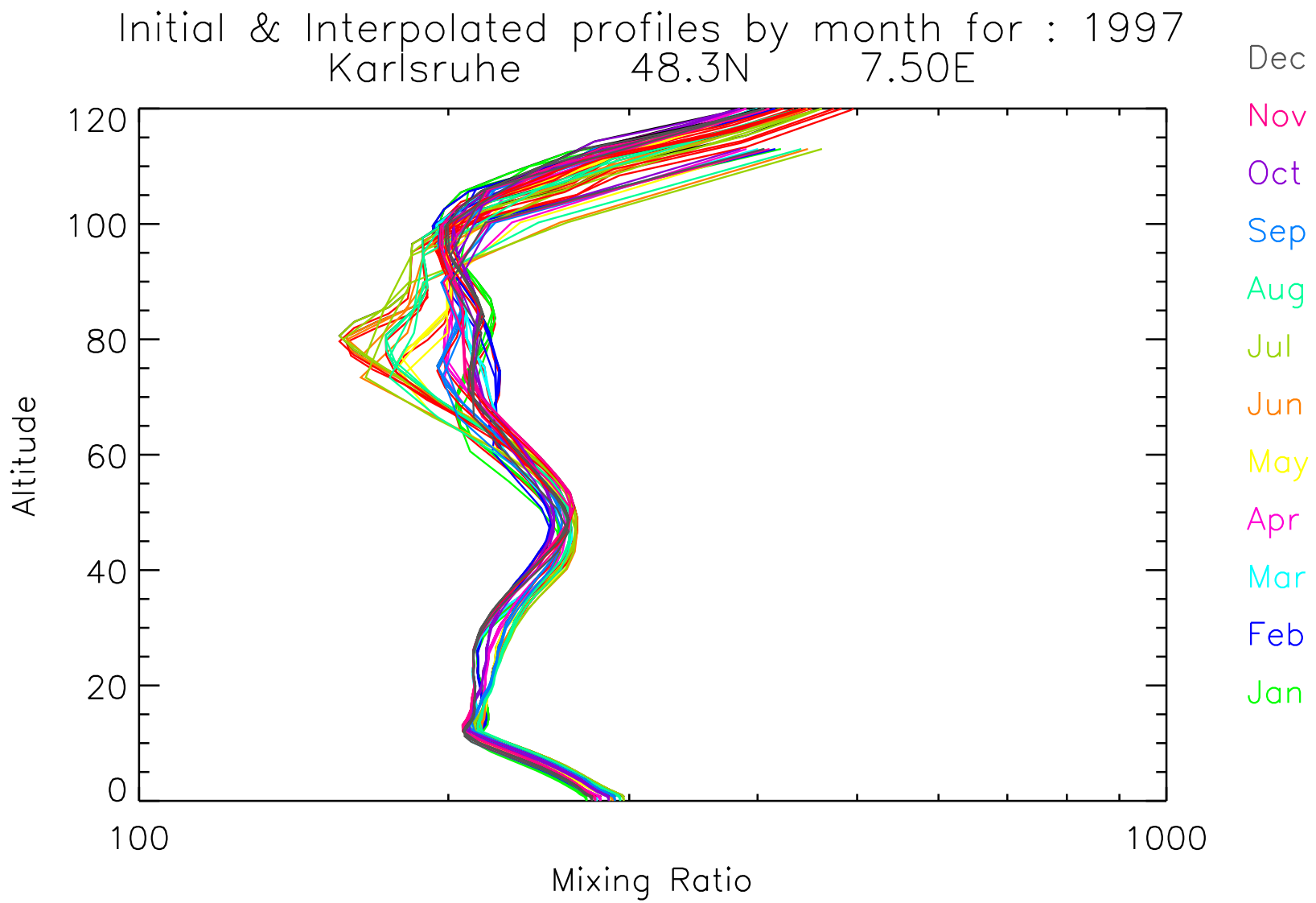
Initial & Interpolated profiles by month for : 1997
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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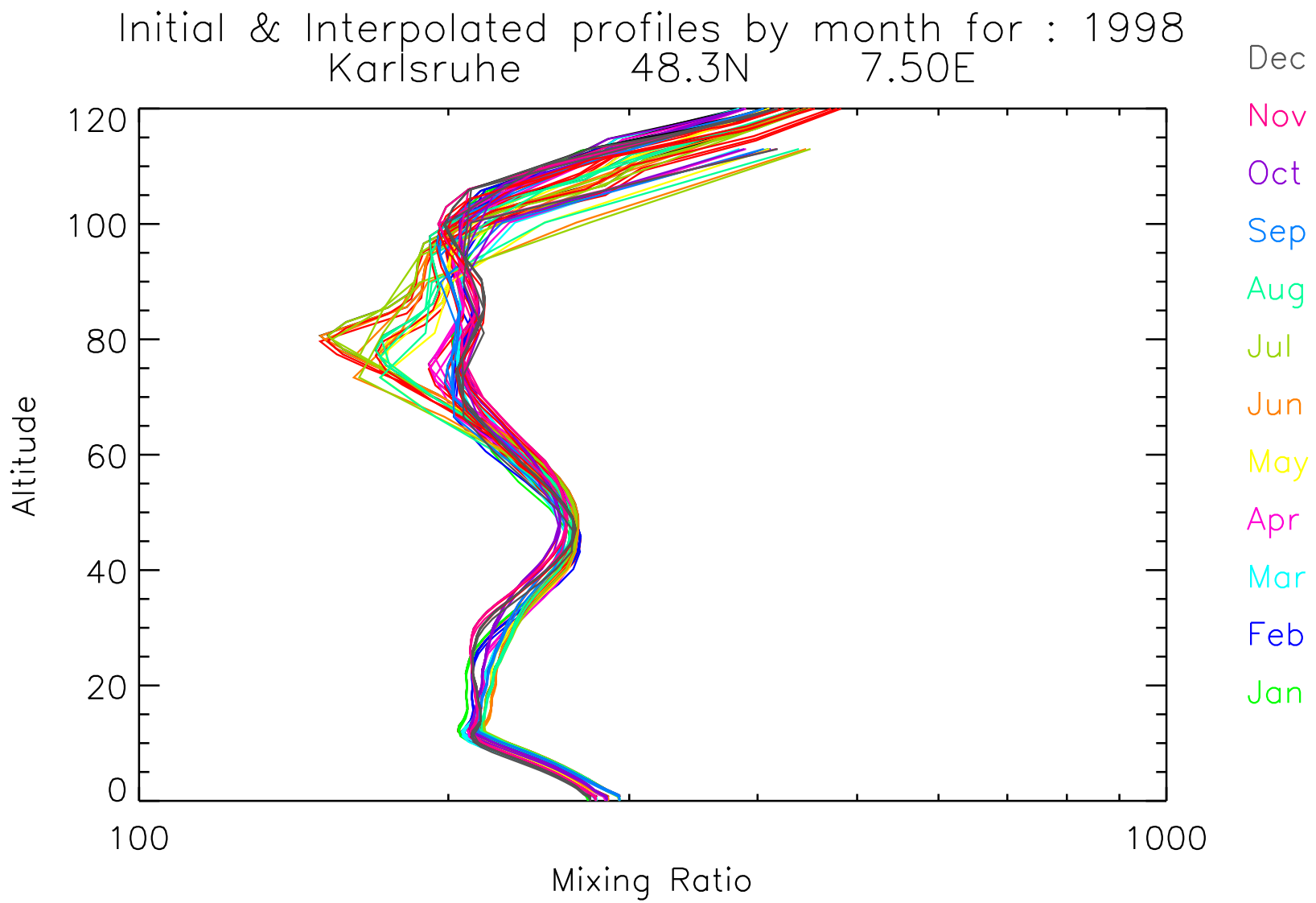
Initial & Interpolated profiles by month for : 1998
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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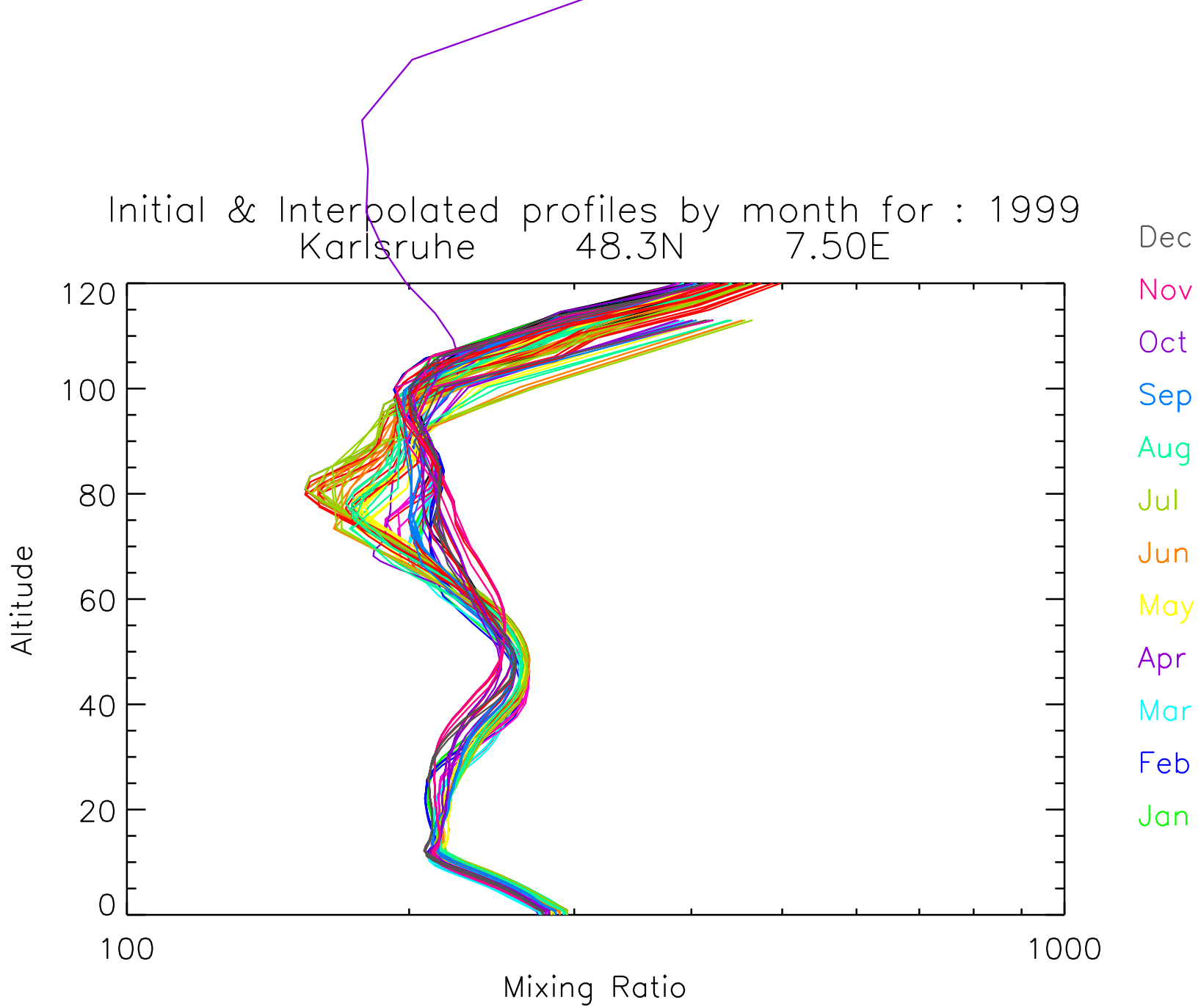
Initial & Interpolated profiles by month for : 1999
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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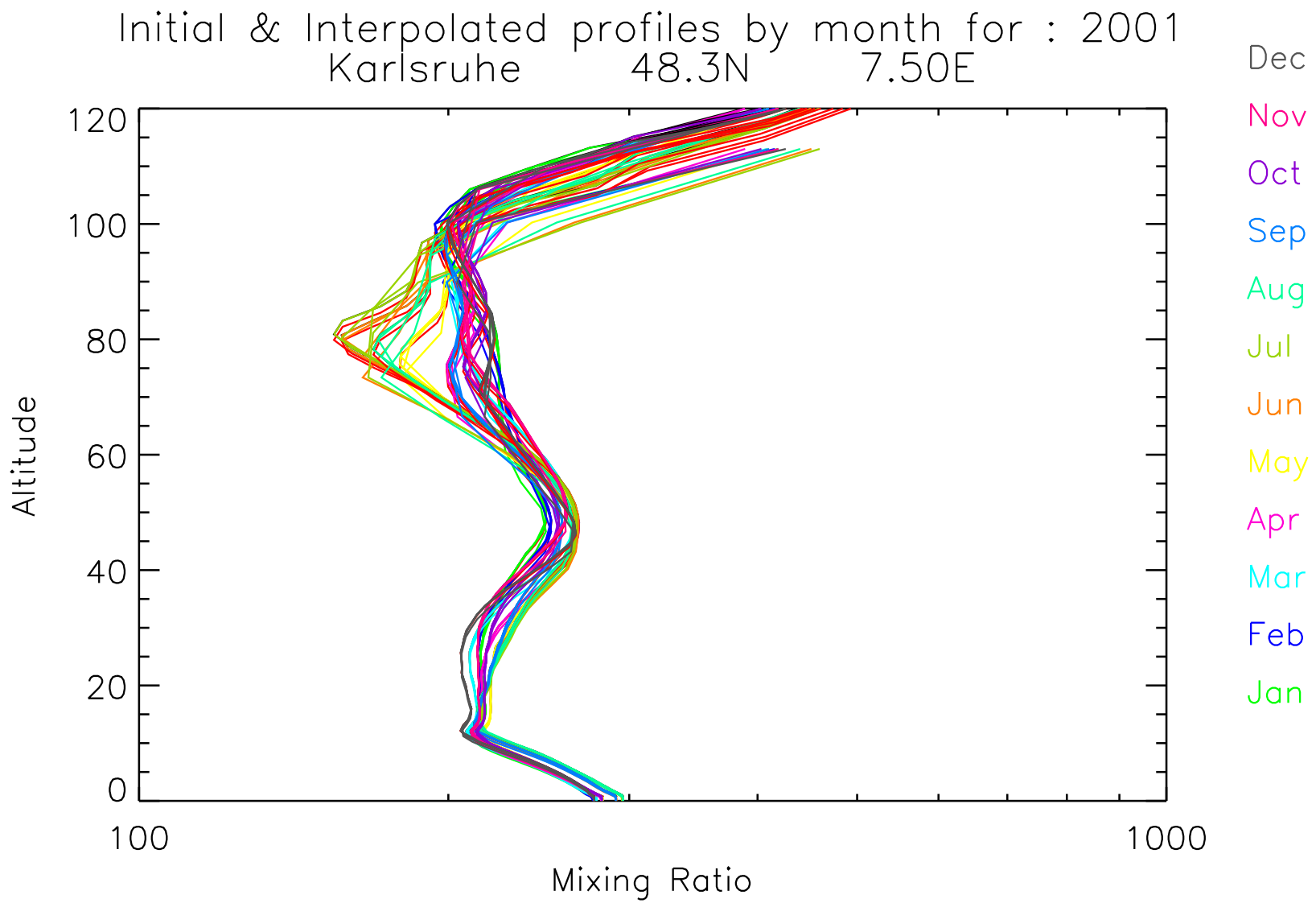
Initial & Interpolated profiles by month for : 2001
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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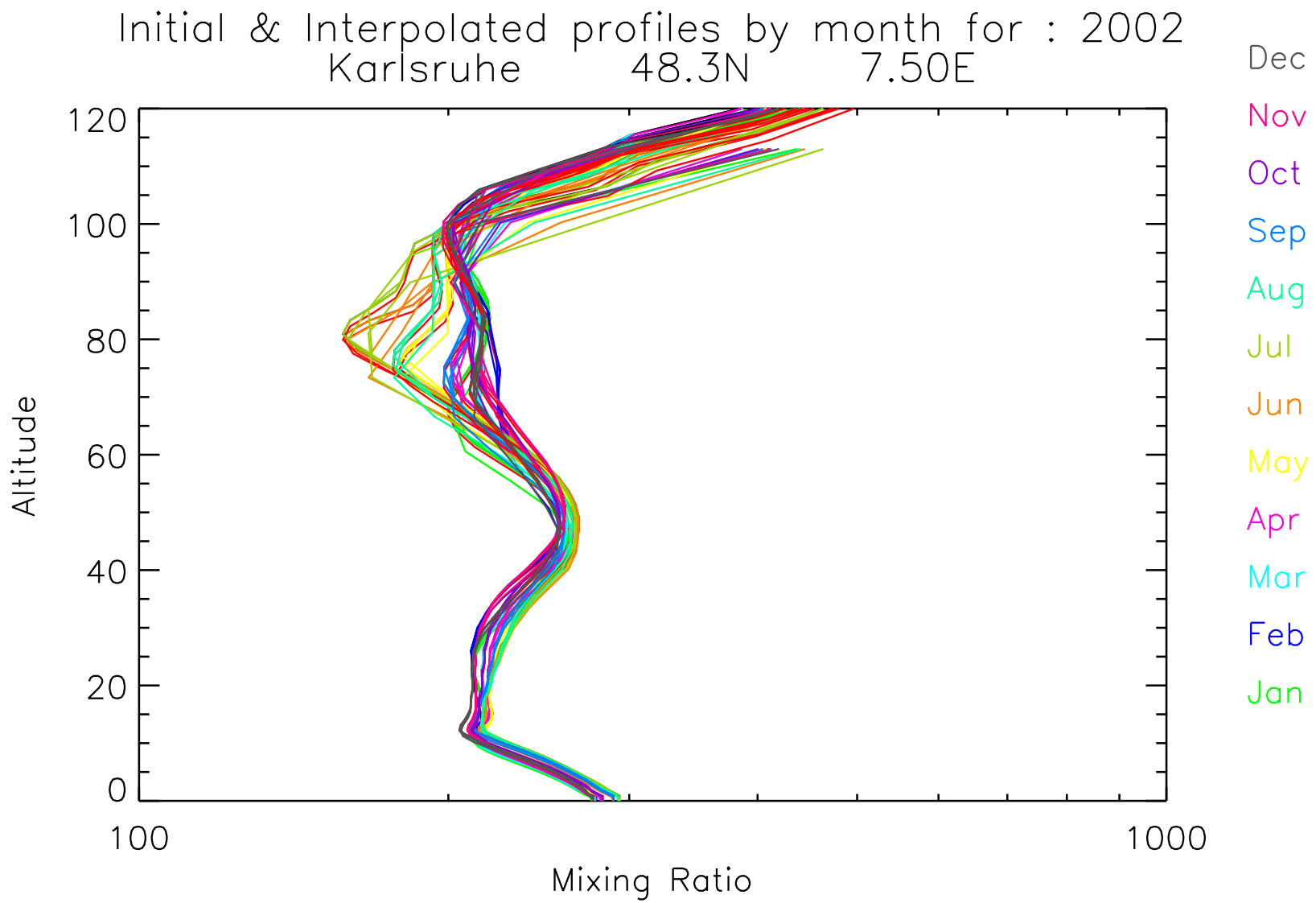
Initial & Interpolated profiles by month for : 2002
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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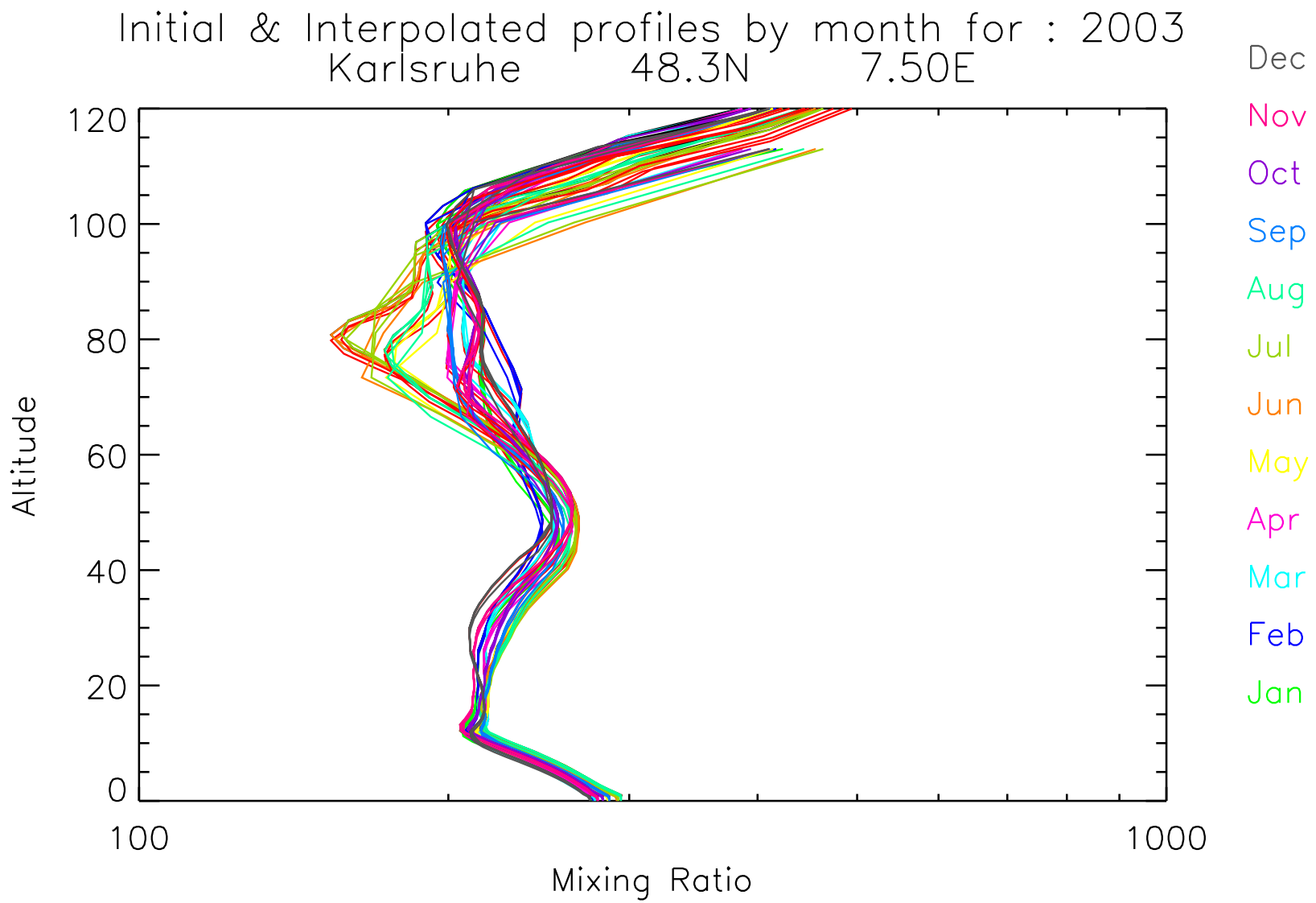
Initial & Interpolated profiles by month for : 2003
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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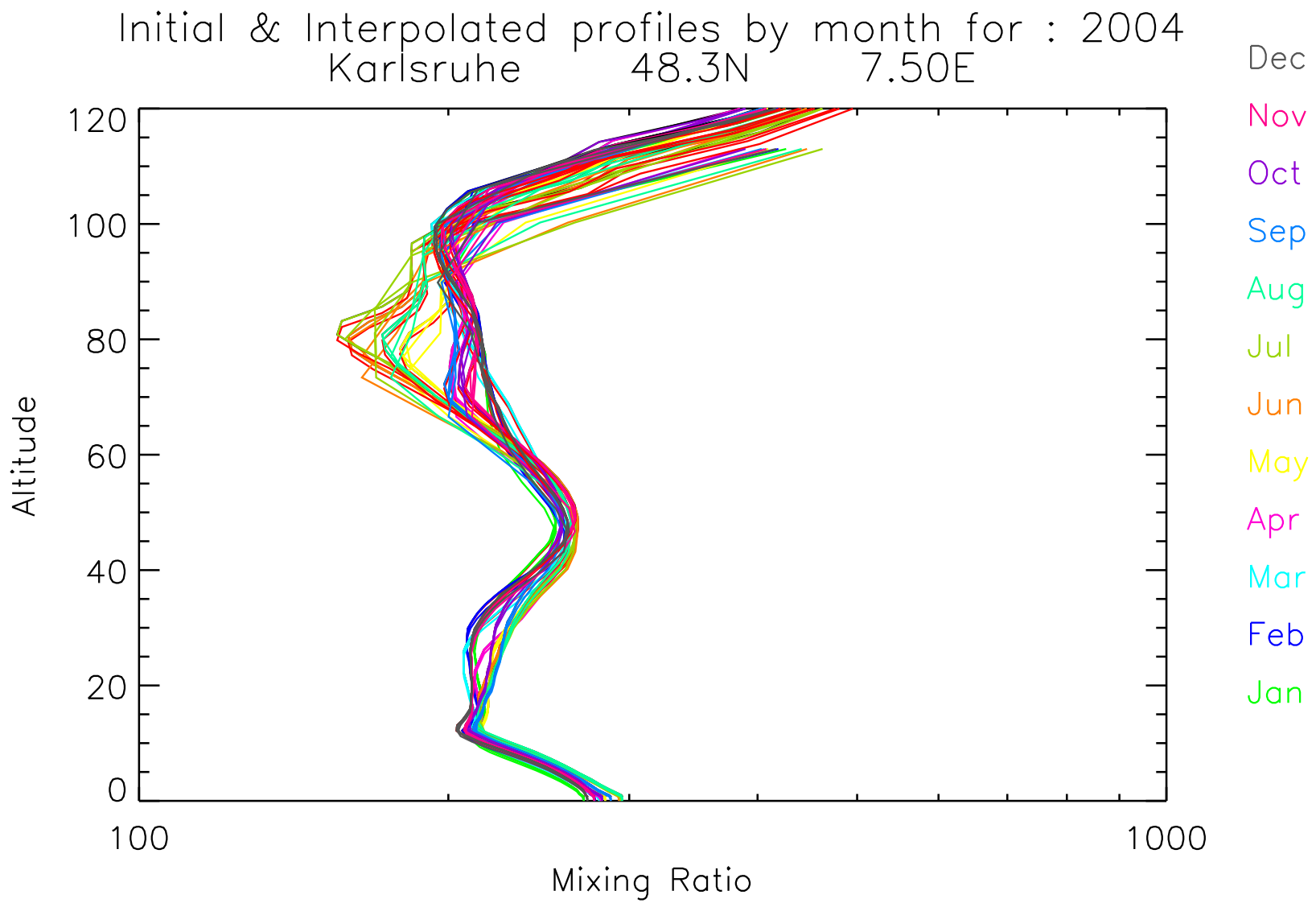
Initial & Interpolated profiles by month for : 2004
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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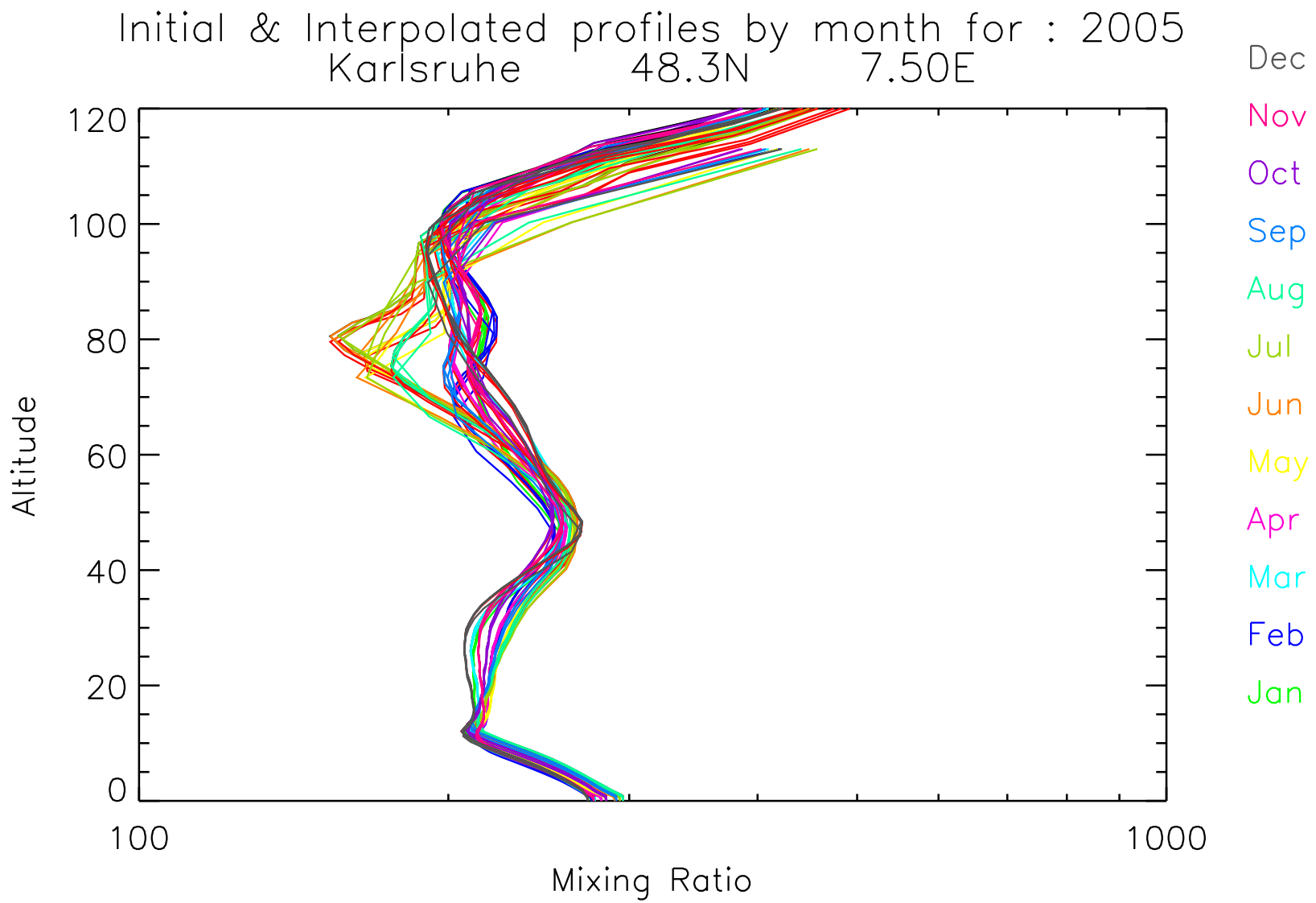
Initial & Interpolated profiles by month for : 2005
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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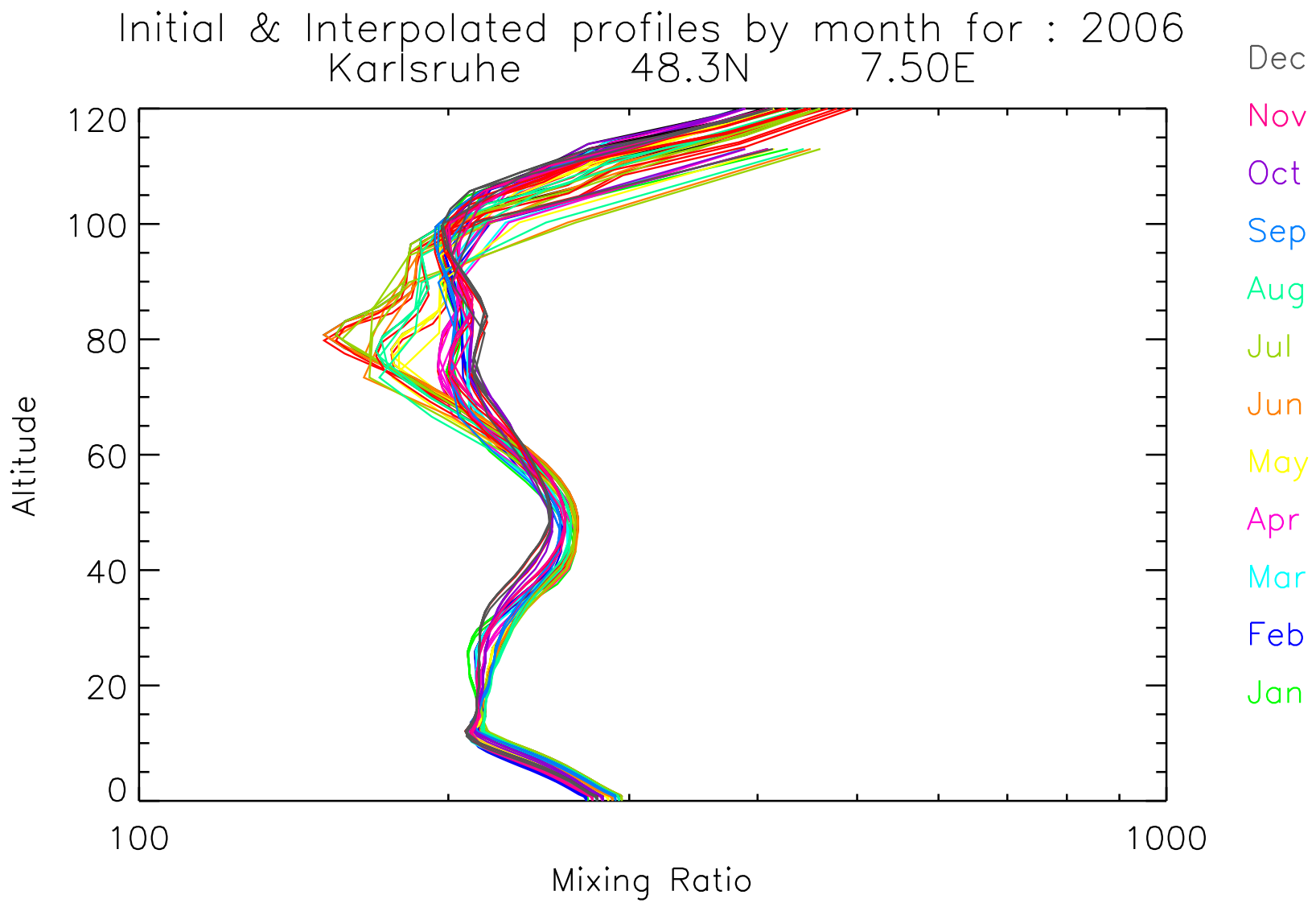
Initial & Interpolated profiles by month for : 2006
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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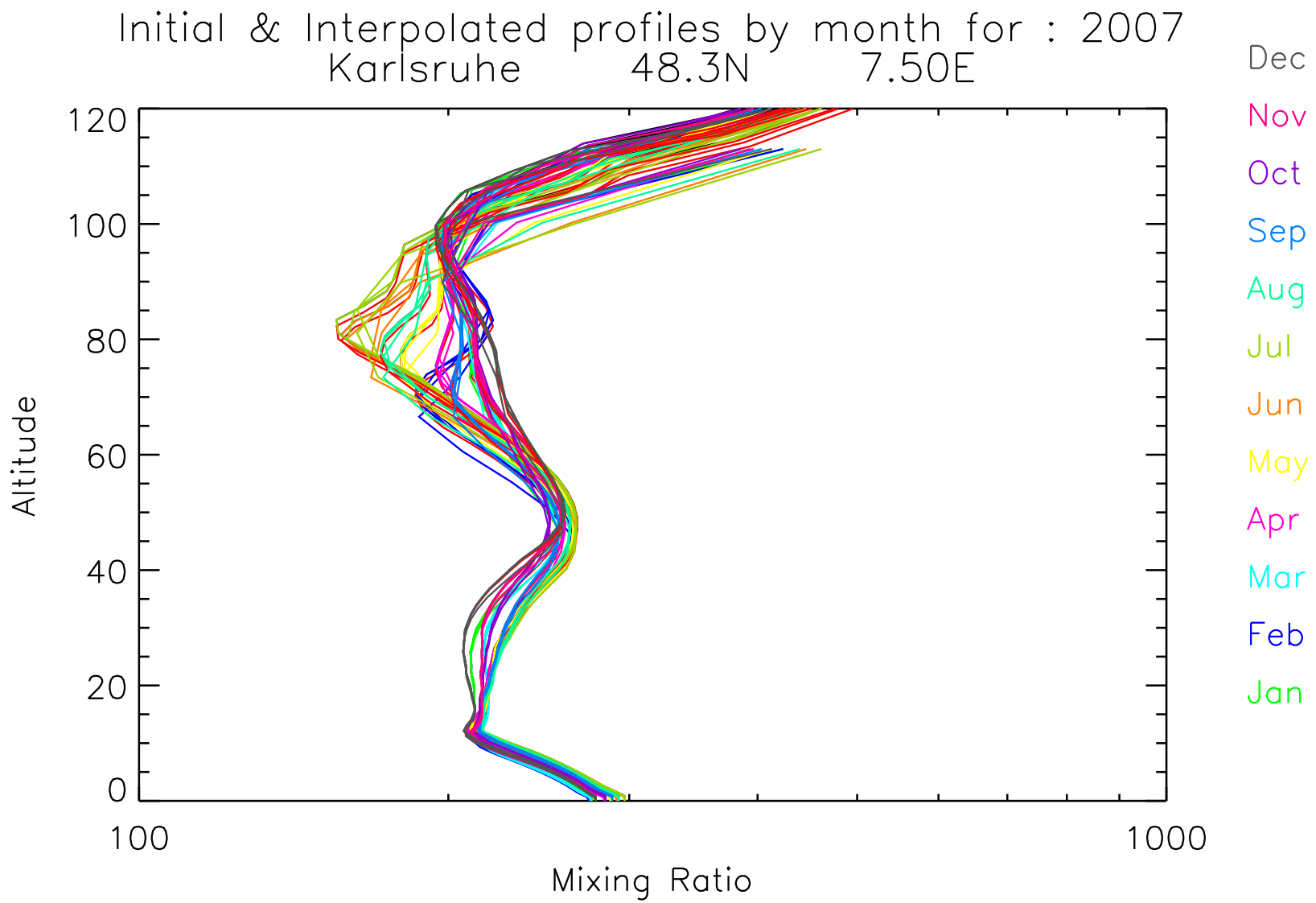
Initial & Interpolated profiles by month for : 2007
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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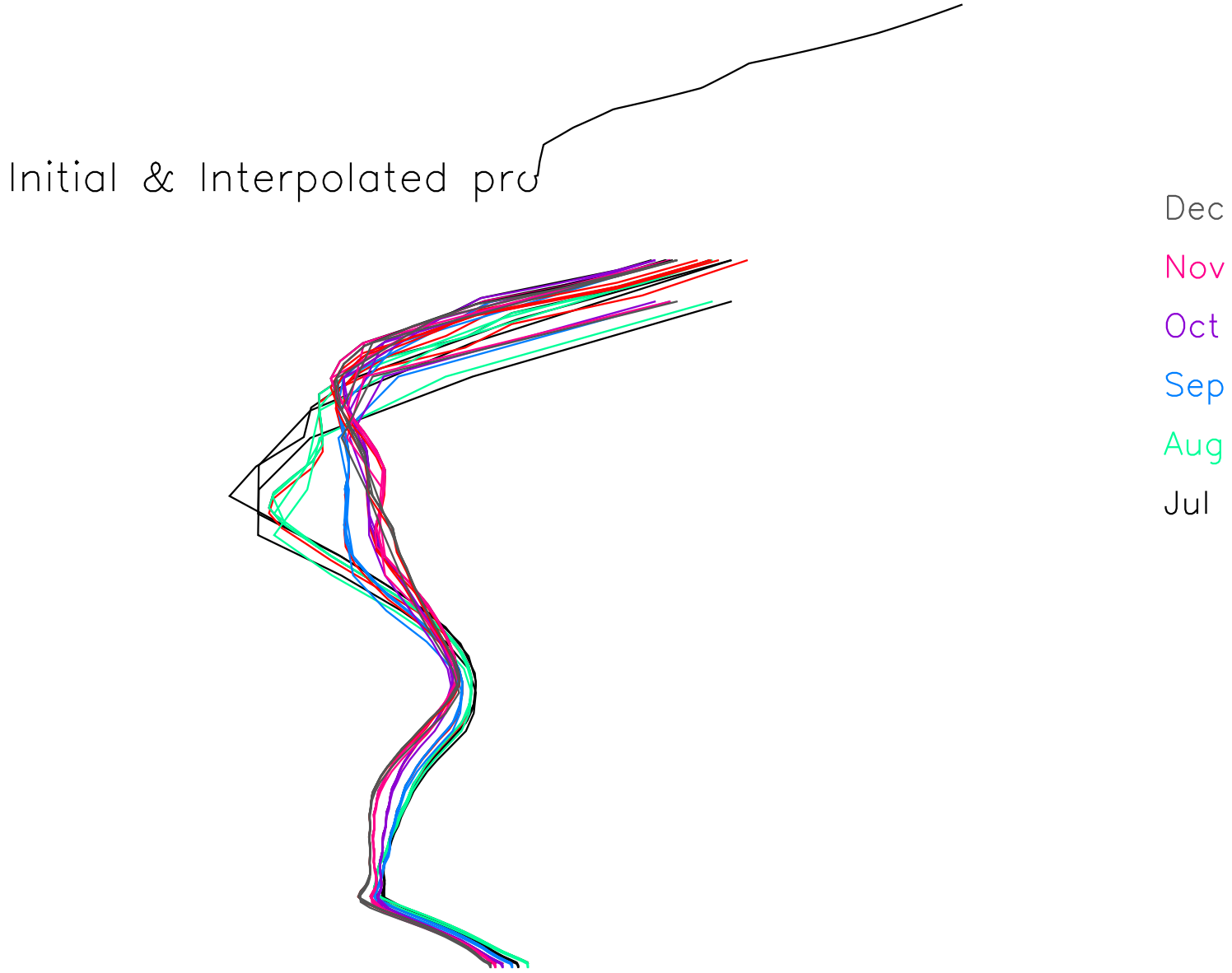
Initial & Interpolated pro
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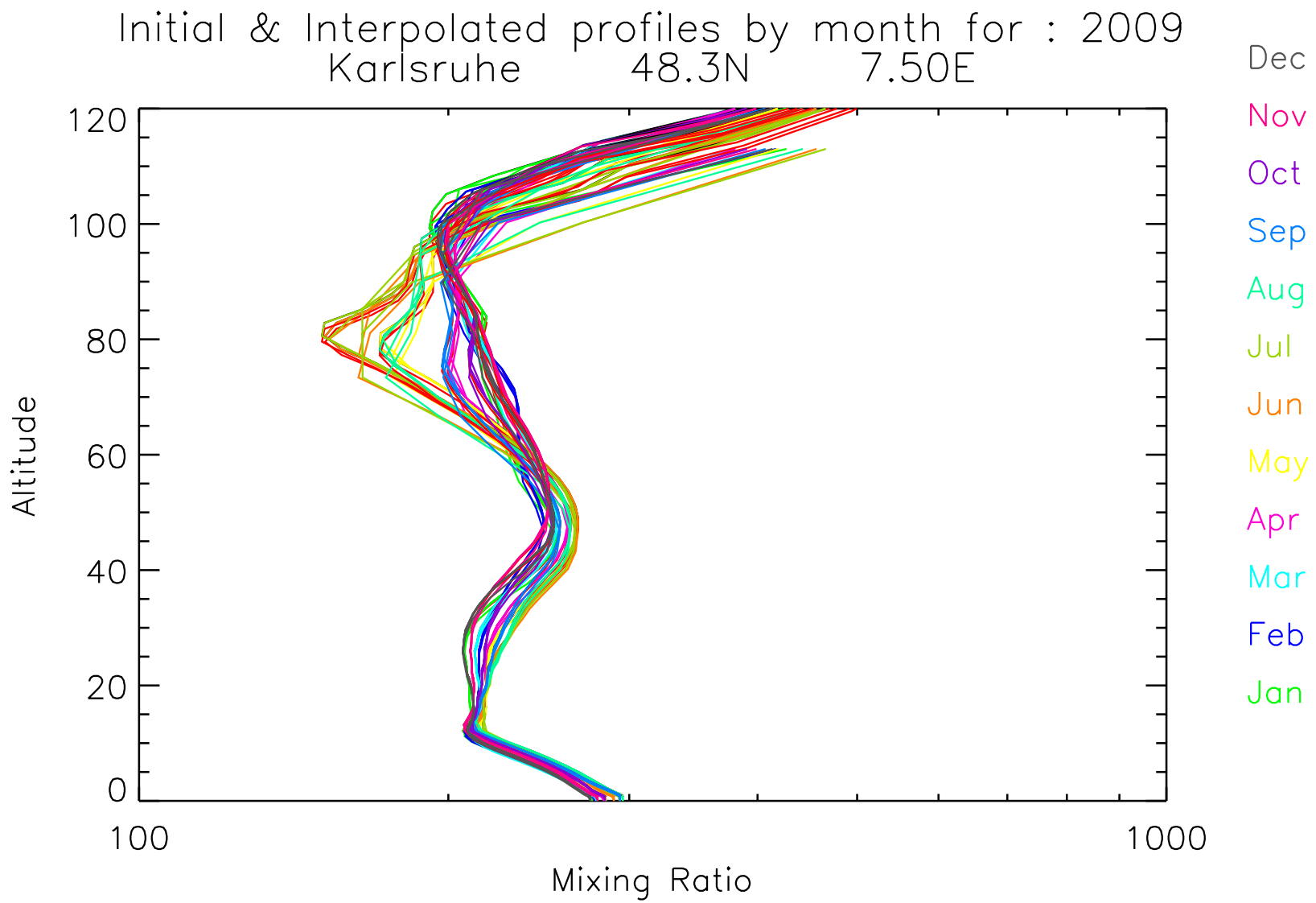
Initial & Interpolated profiles by month for : 2009
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
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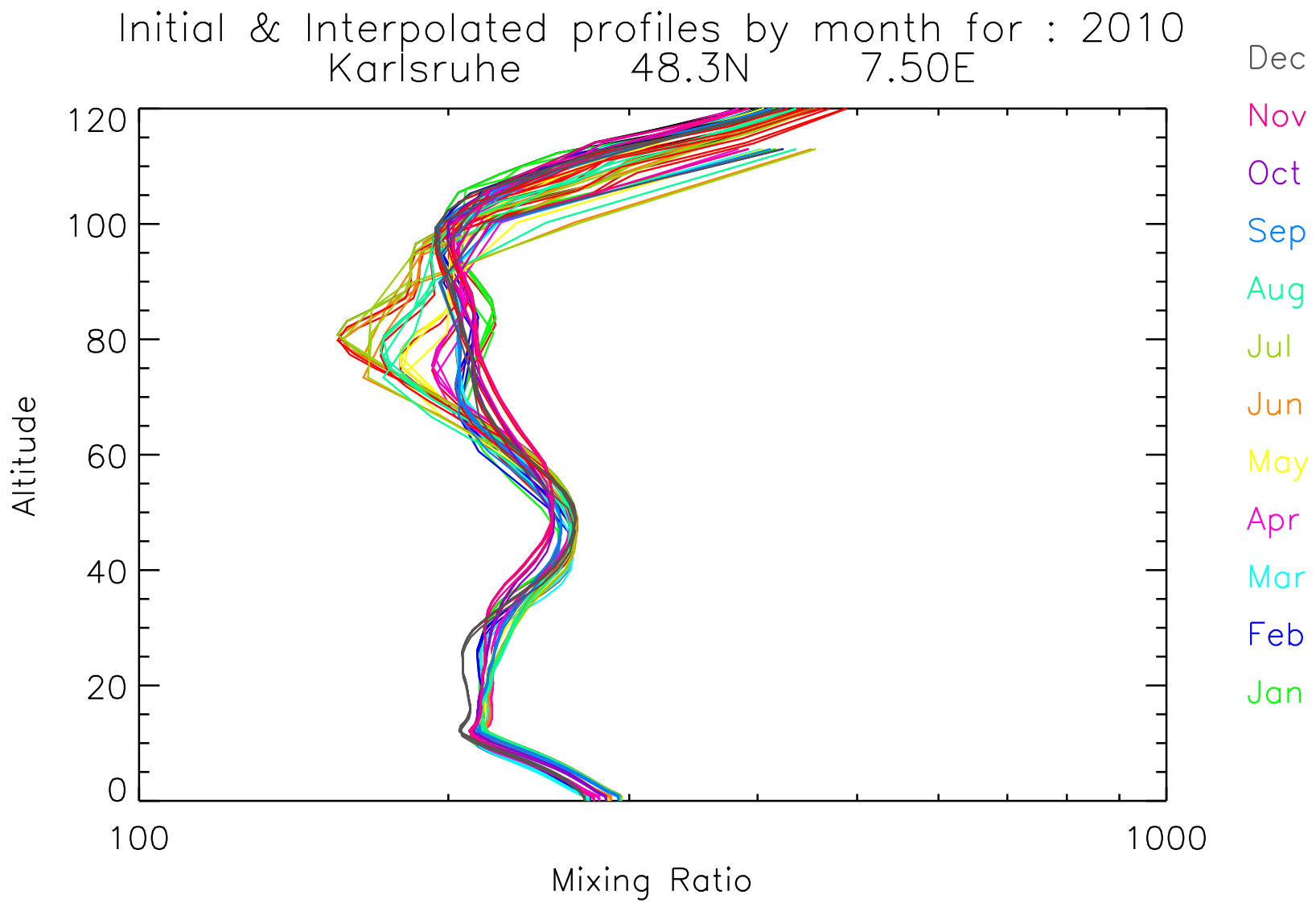
Initial & Interpolated profiles by month for : 2010
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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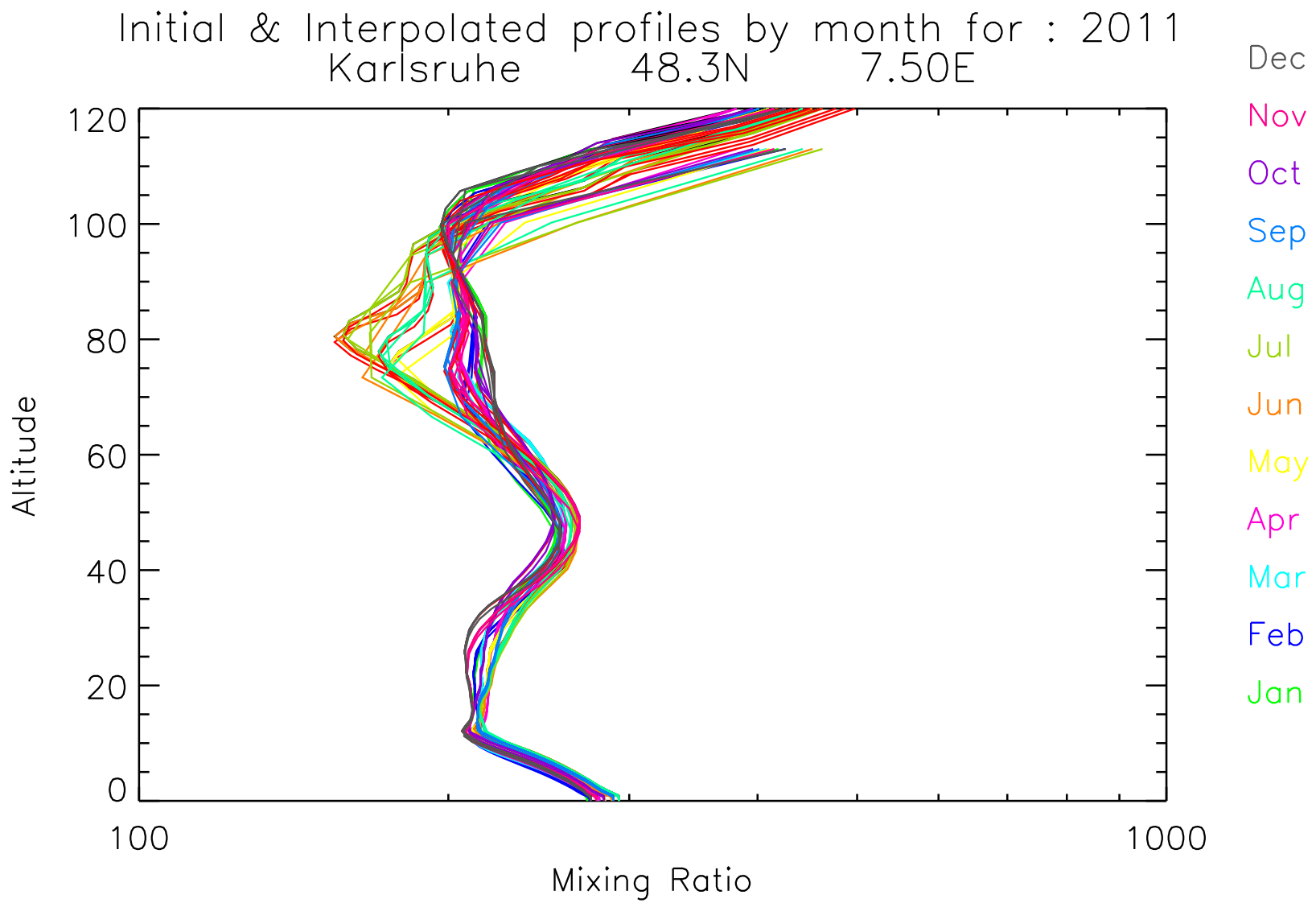
Initial & Interpolated profiles by month for : 2011
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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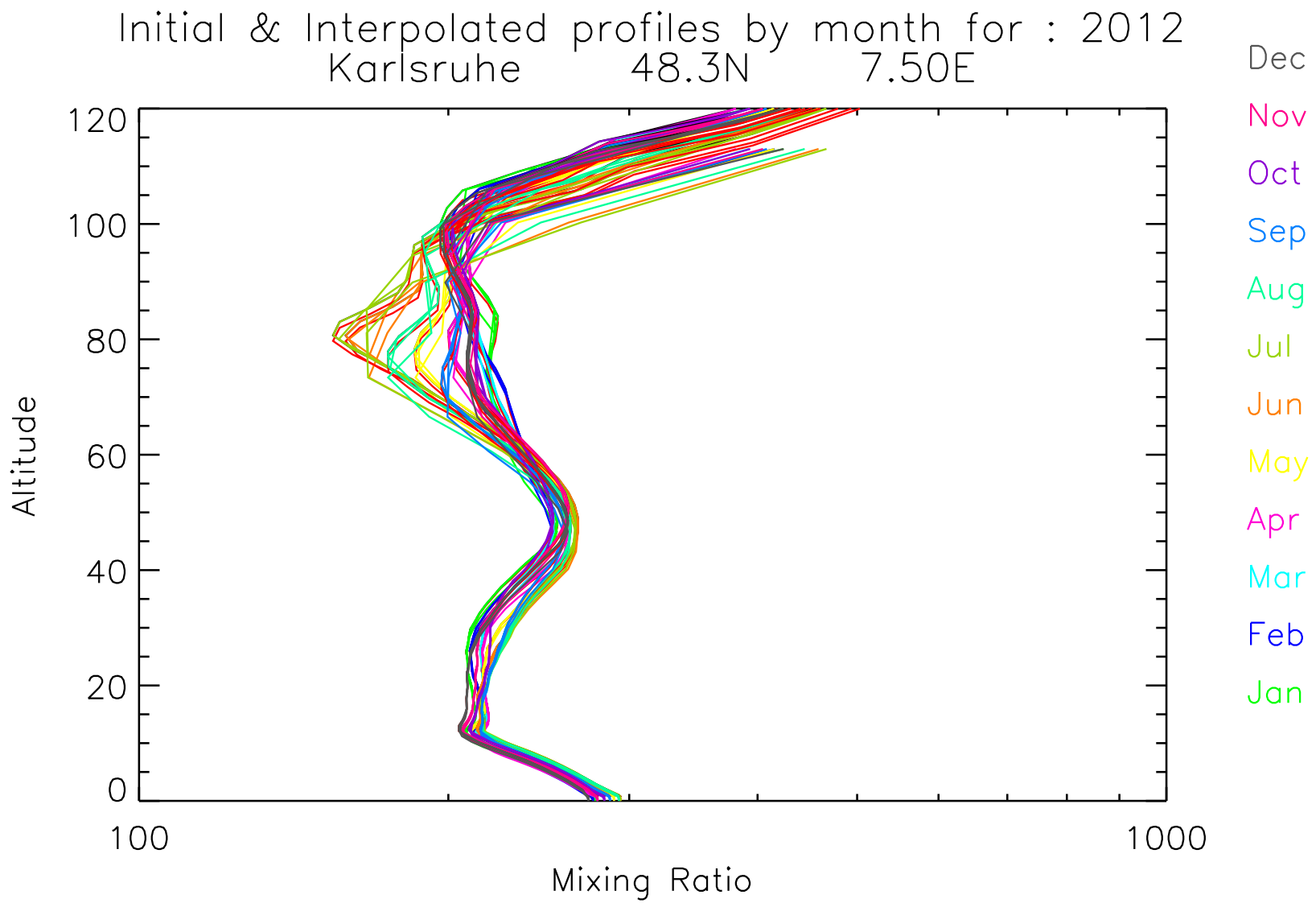
Initial & Interpolated profiles by month for : 2012
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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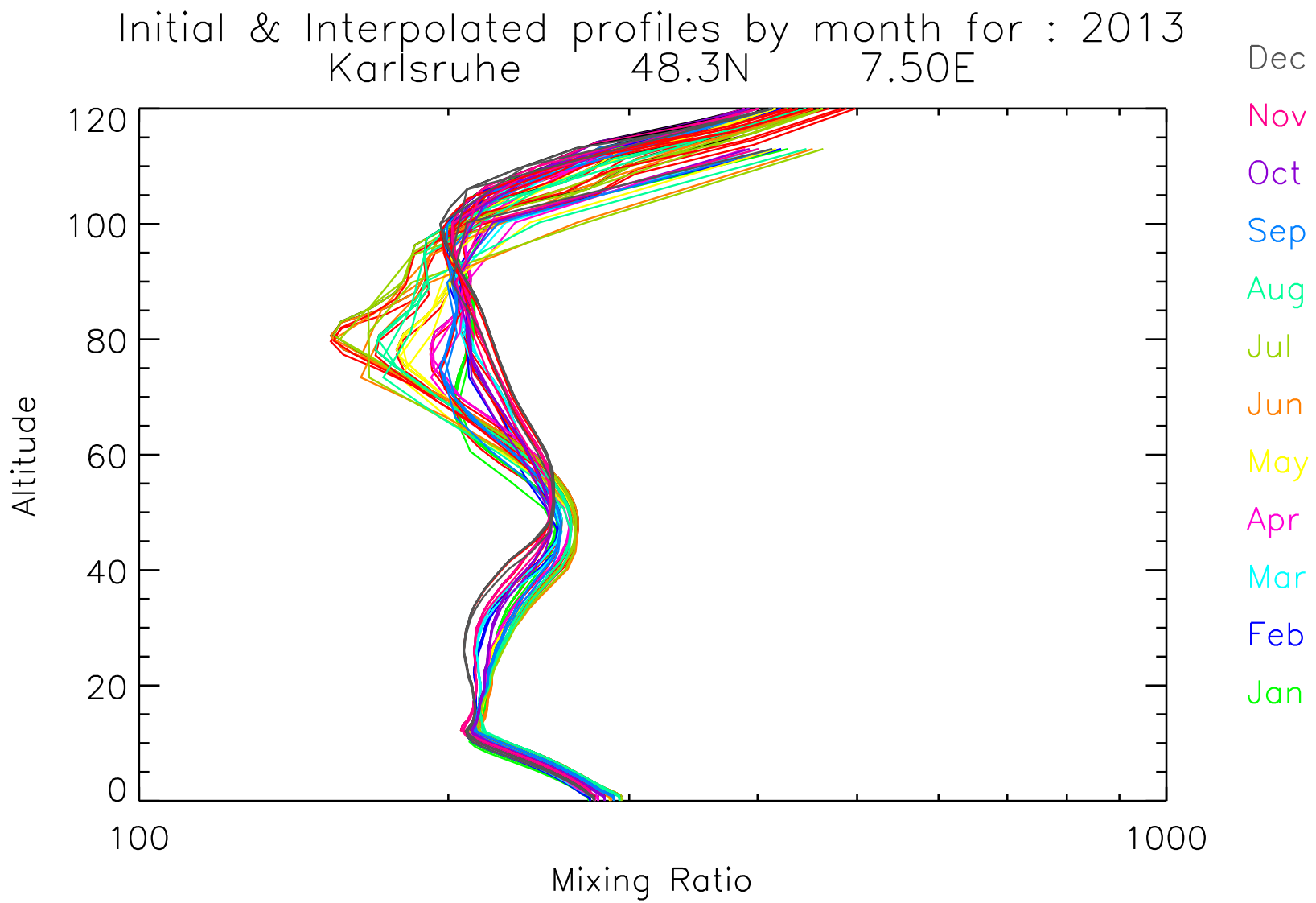
Initial & Interpolated profiles by month for : 2013
Karlsruhe 48.3N 7.50E
Altitude
120
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Mixing Ratio
Dec
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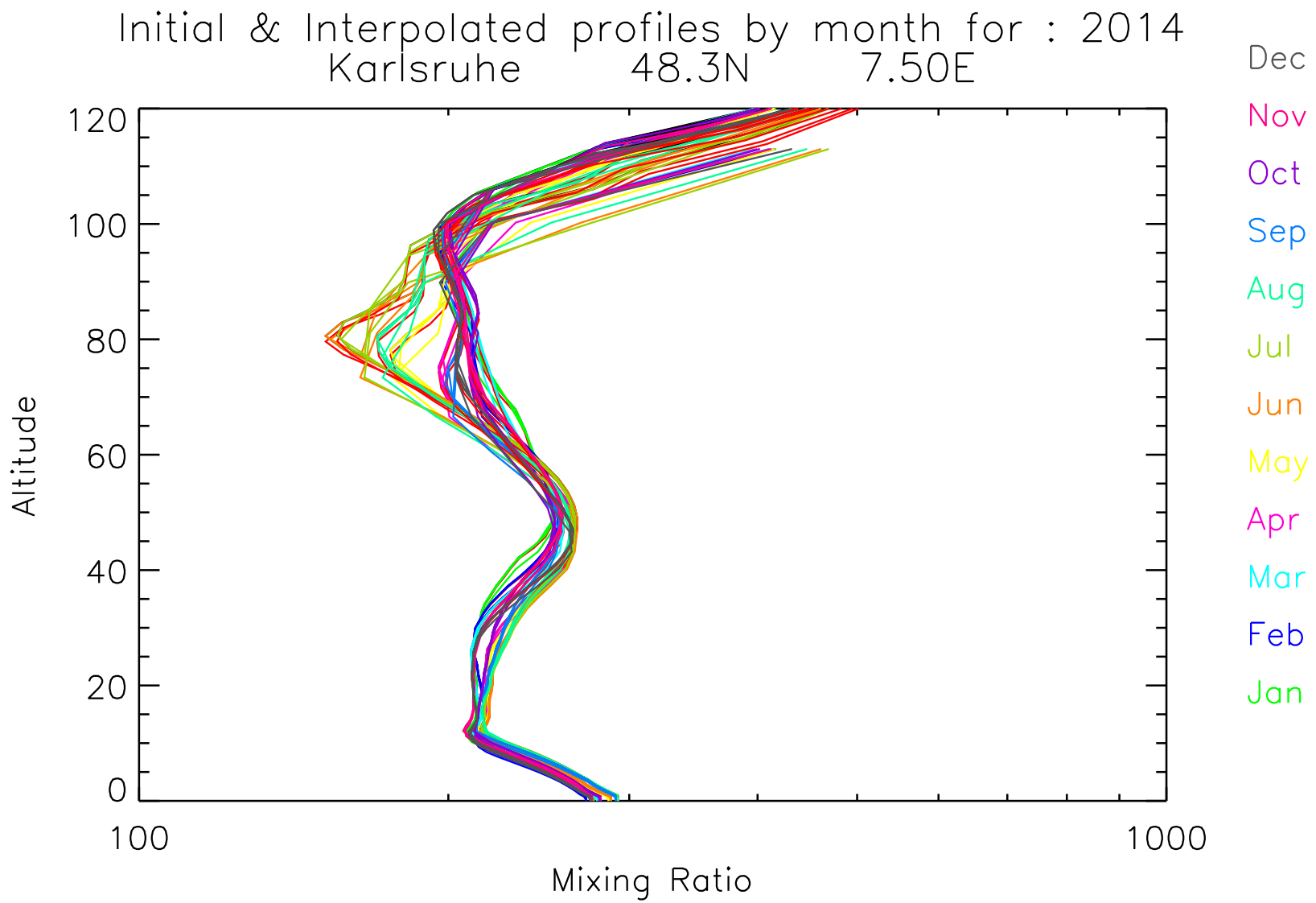
Initial & Interpolated profiles by month for : 2014
Karlsruhe 48.3N 7.50E
Altitude
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Mixing Ratio
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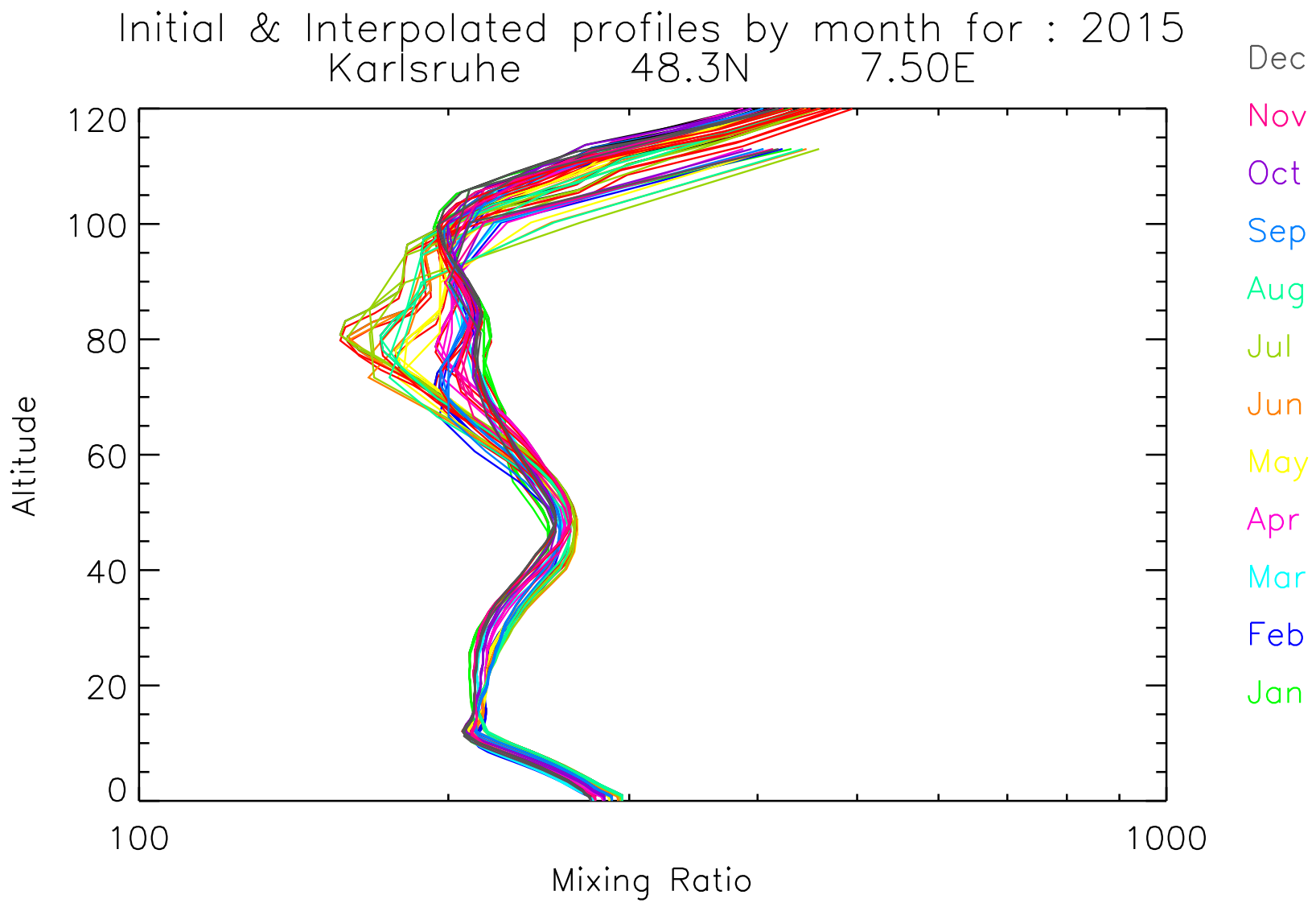
Initial & Interpolated profiles by month for : 2015
Karlsruhe 48.3N 7.50E
Altitude
120
100
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Mixing Ratio
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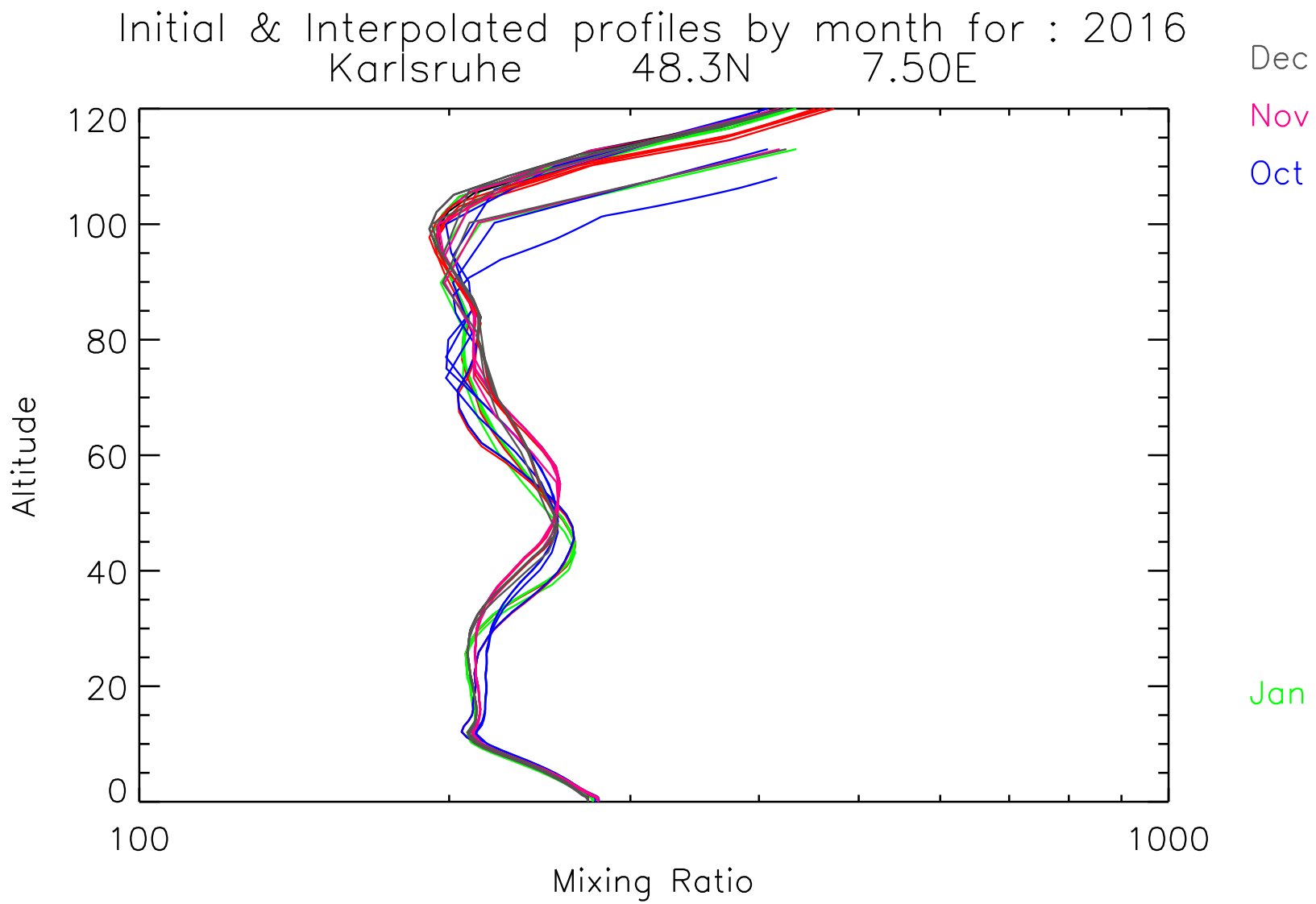
Initial & Interpolated profiles by month for : 2016
Karlsruhe 48.3N 7.50E
Dec
Nov
Oct
Jan
120
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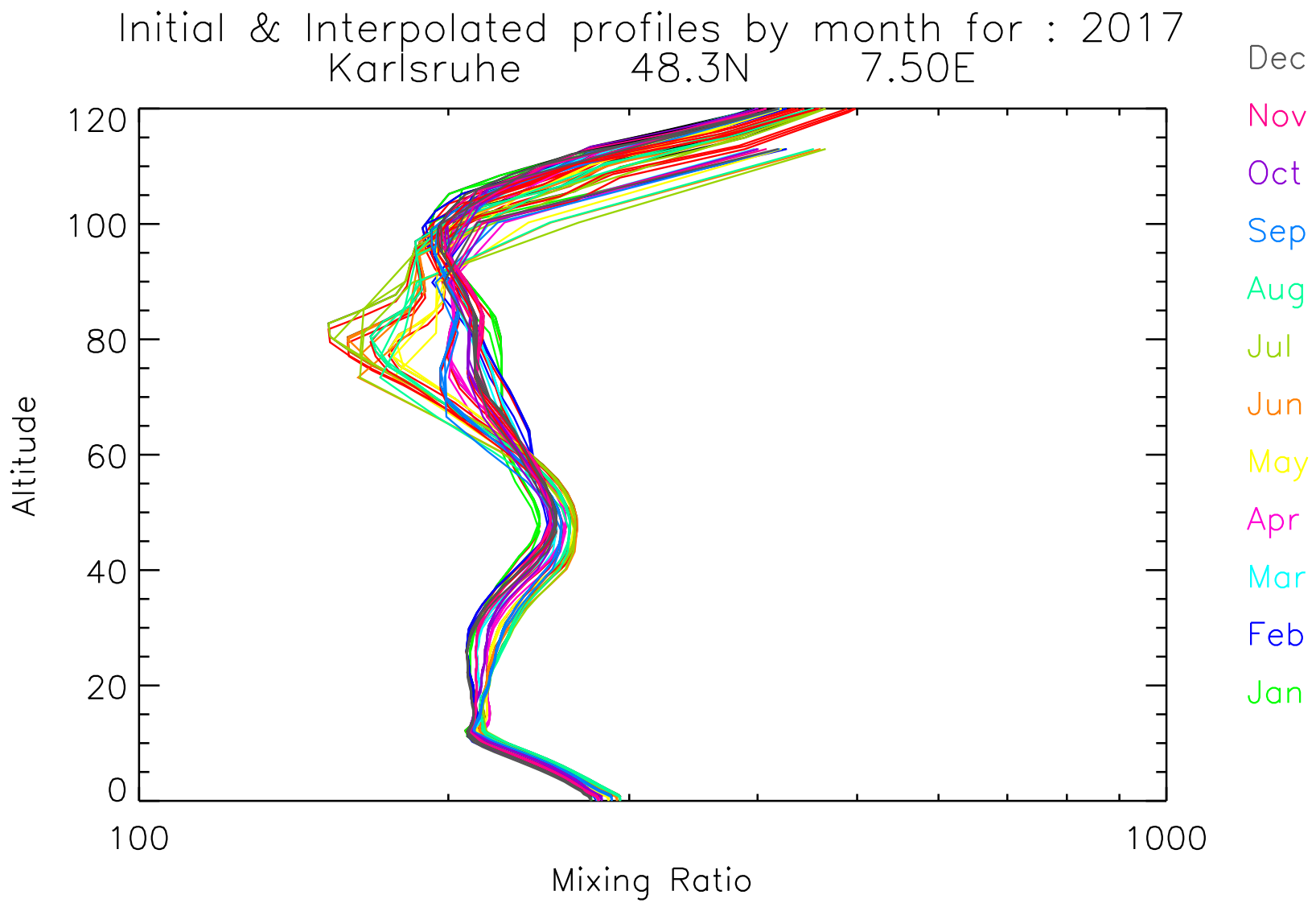
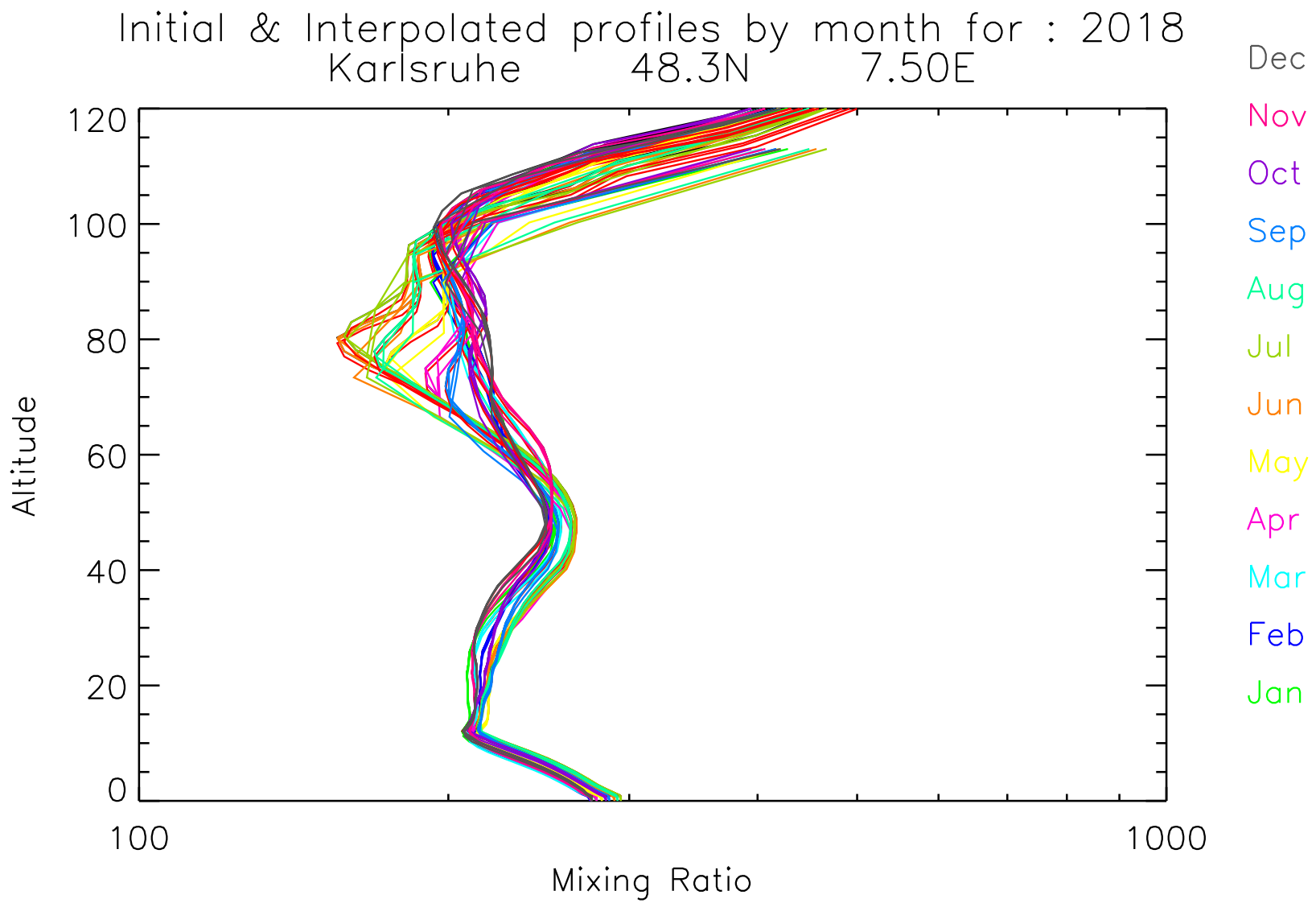
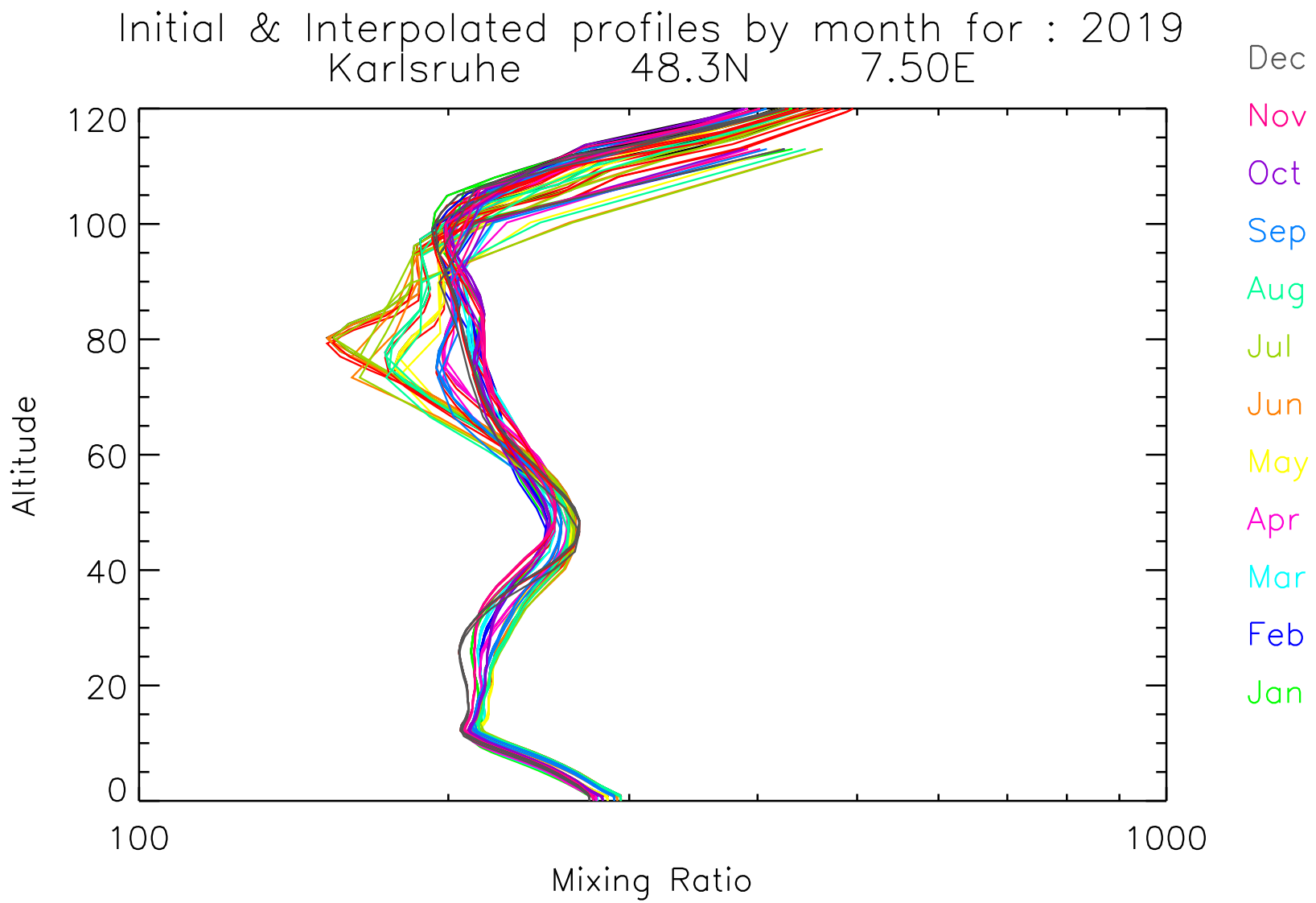
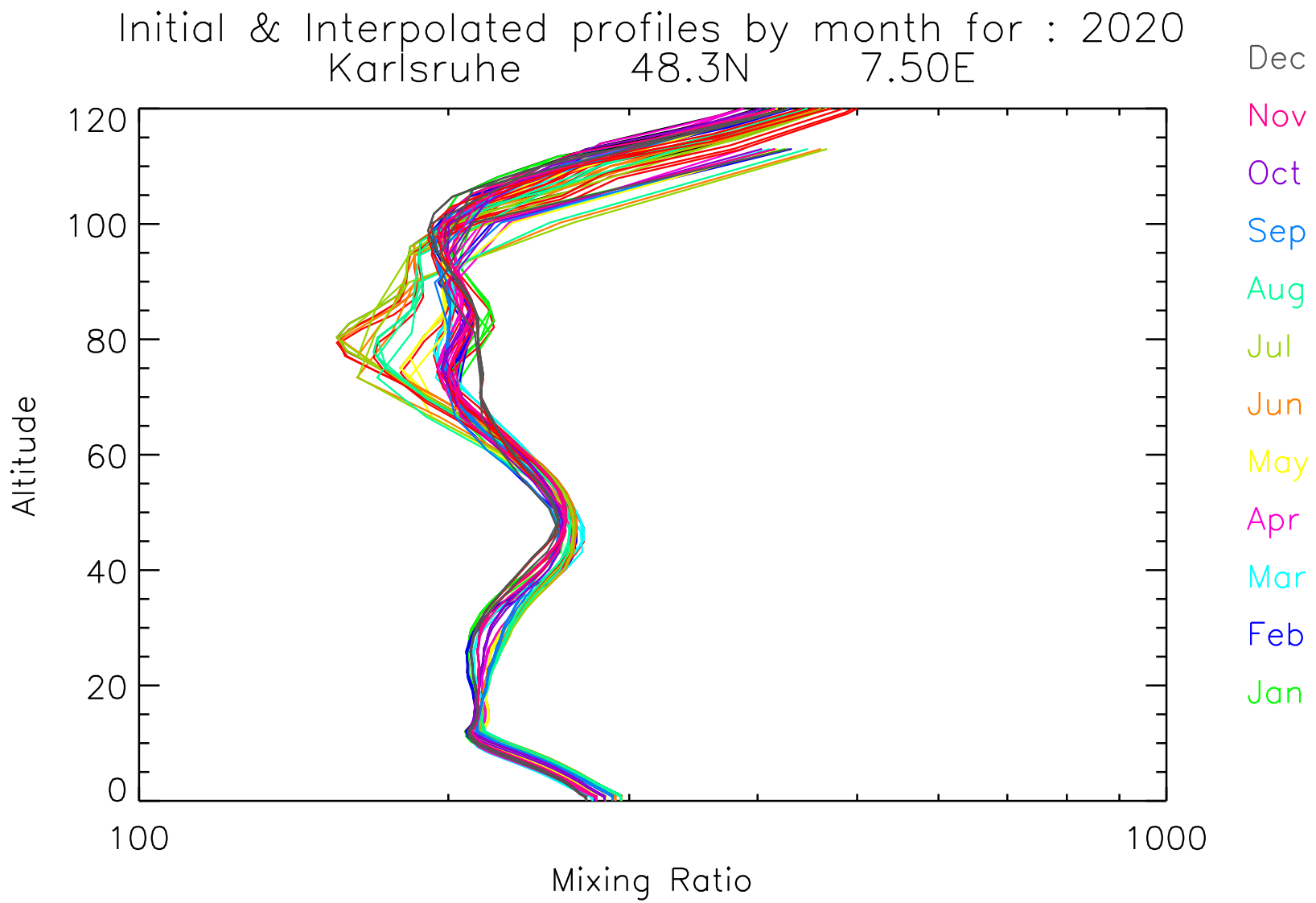
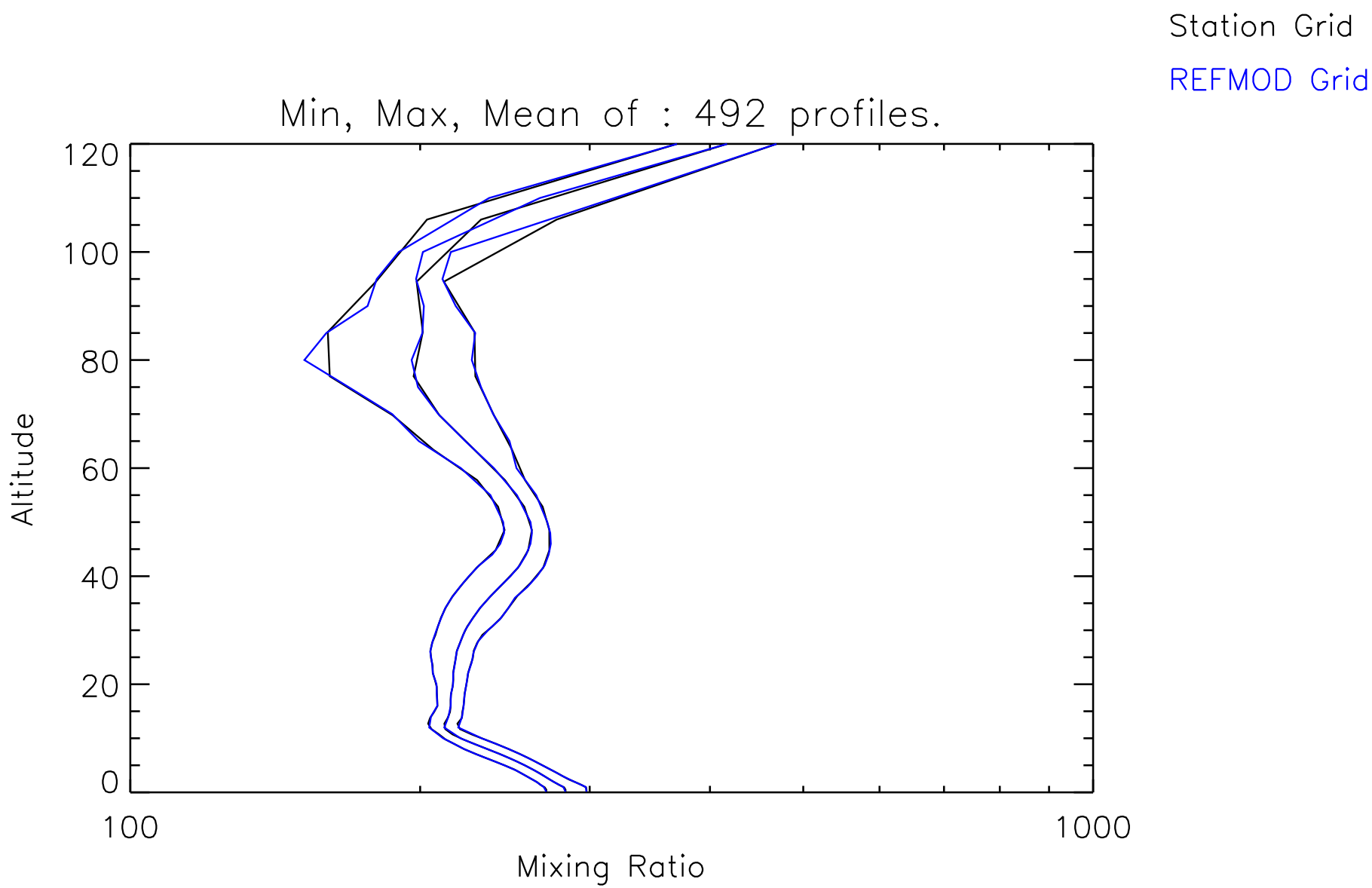
Altitude
100
1000
Mixing Ratio

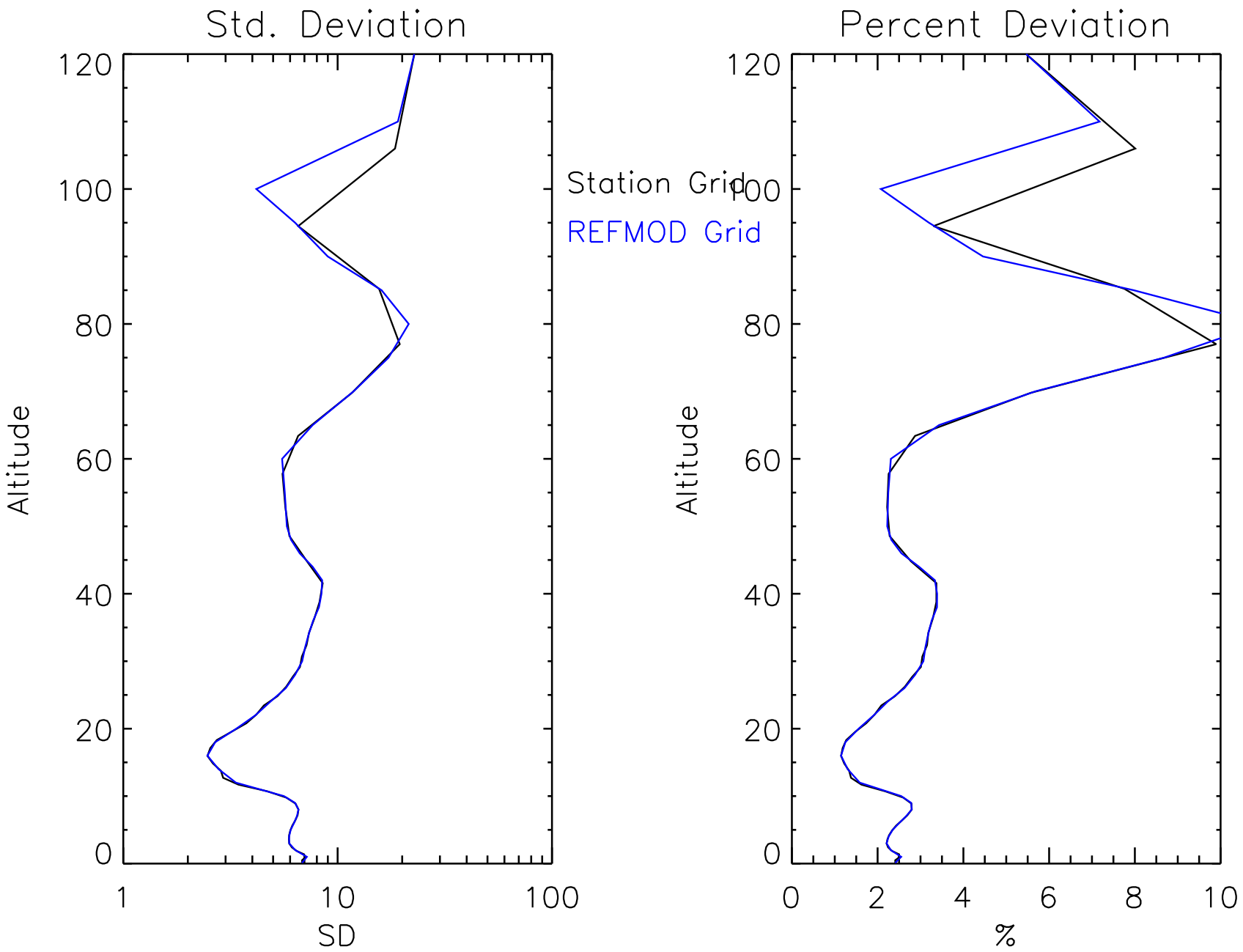

Initial & Interpolated profiles by month for : 2017
Karlsruhe 48.3N 7.50E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

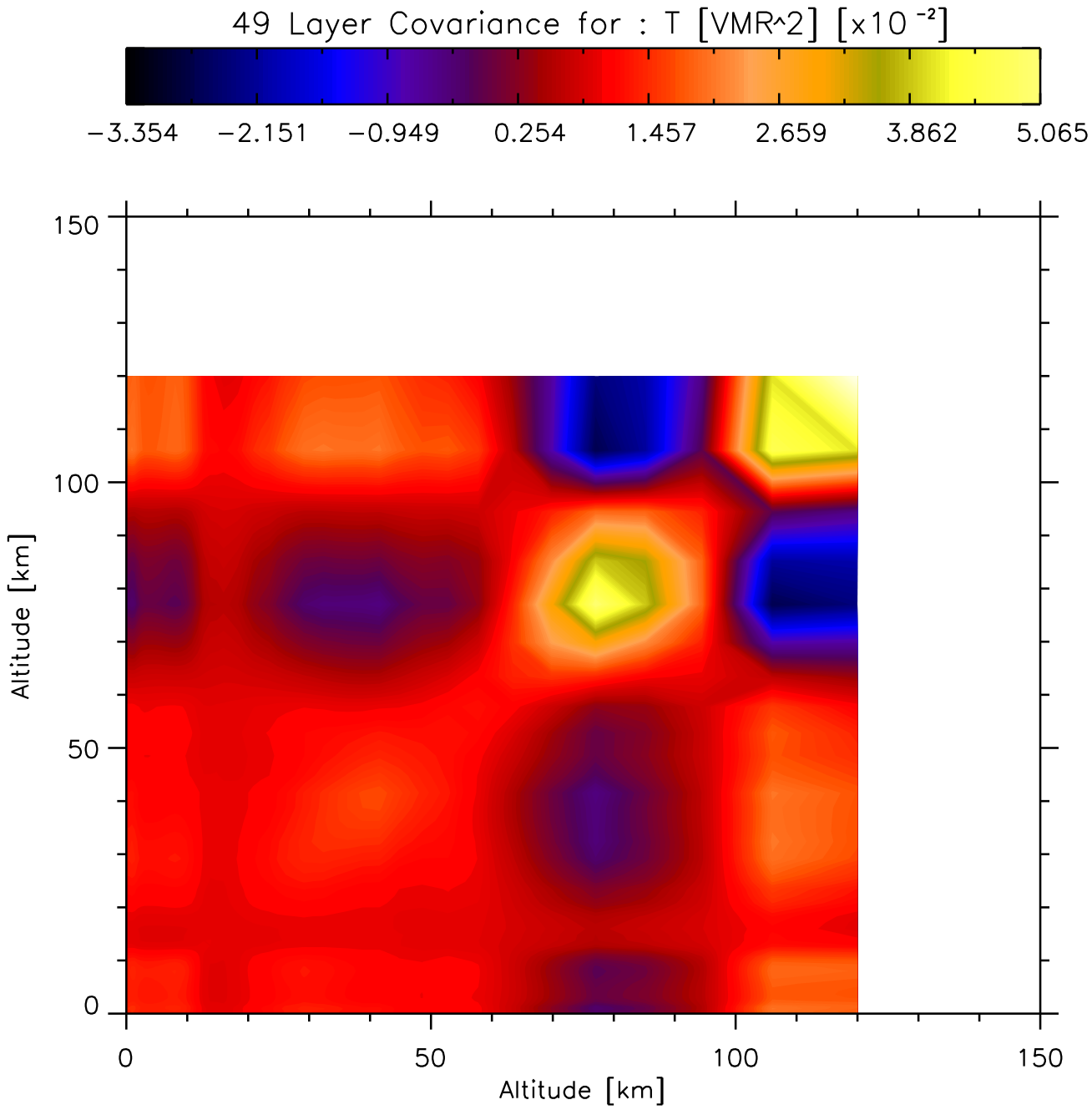

Initial & Interpolated profiles by month for : 2018
Karlsruhe 48.3N 7.50E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

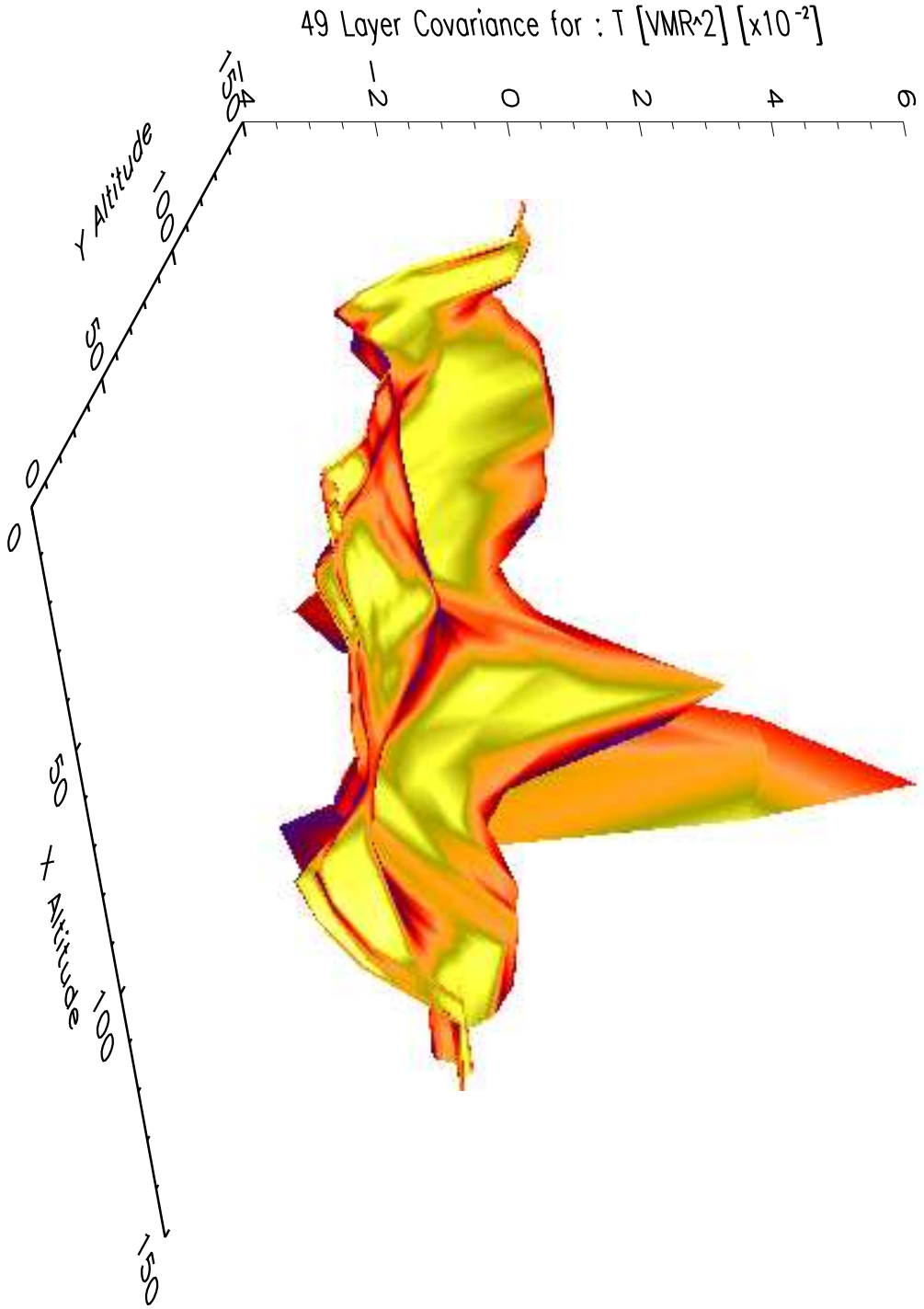

Initial & Interpolated profiles by month for : 2019
Karlsruhe 48.3N 7.50E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

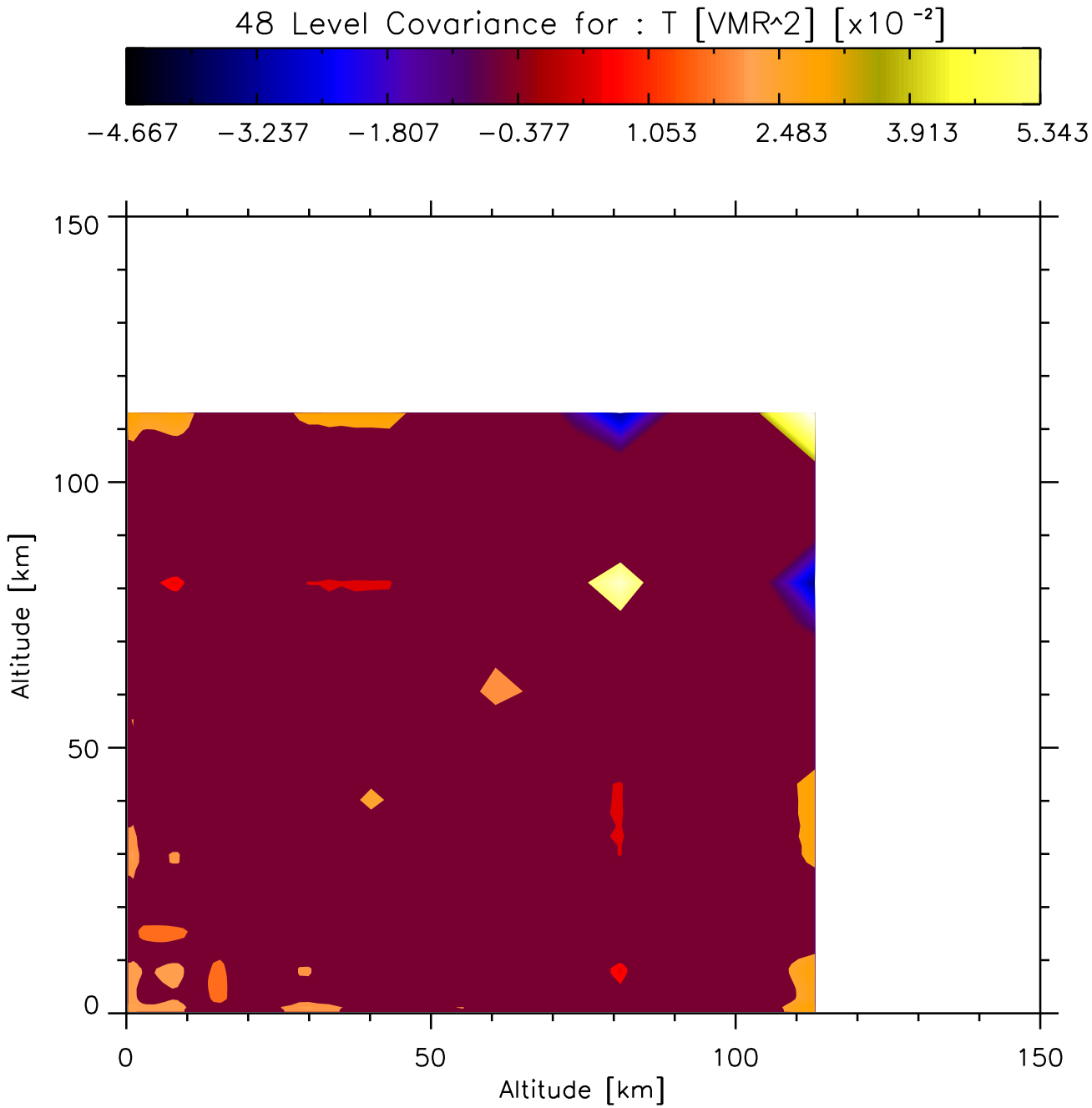

Initial & Interpolated profiles by month for : 2020
Karlsruhe 48.3N 7.50E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
100
1000
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
1
10
100
SD
0
2
4
6
8
10
%


49 Layer Covariance for : T [VMR^2] [x10 -2]
−3.354
−2.151
−0.949
0.254
1.457
2.659
3.862
5.065
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : T [VMR^2] [x10^-2]
-8
-6
-4
-2
0
2
4
6
Y Altitude
0
25
50
75
100
125
0
25
50
75
100
125
X Altitude


48 Level Covariance for : T [VMR^2] [x10 -2]
-4.667
-3.237
-1.807
-0.377
1.053
2.483
3.913
5.343
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

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