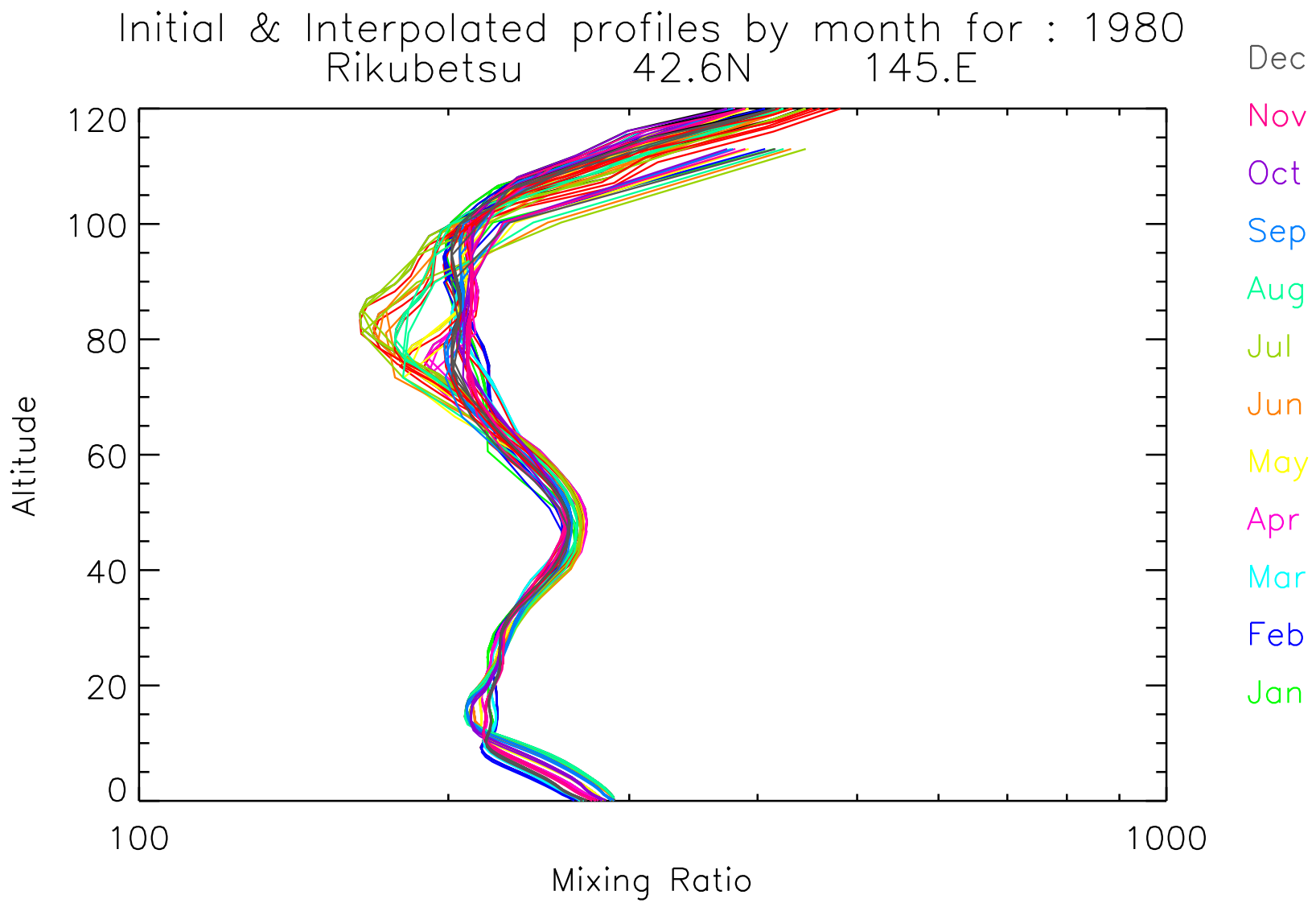
Initial & Interpolated profiles by month for : 1980
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Altitude
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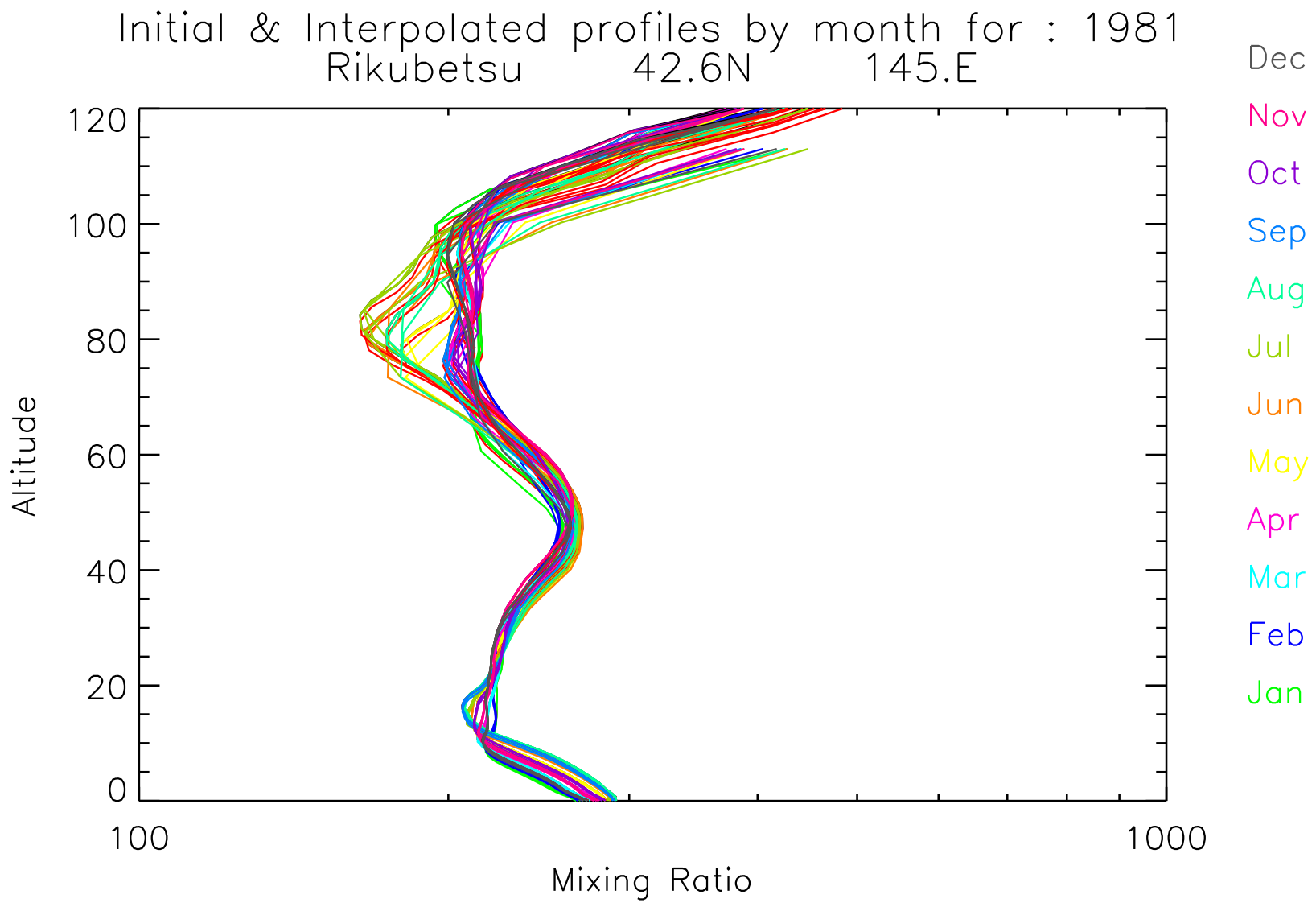
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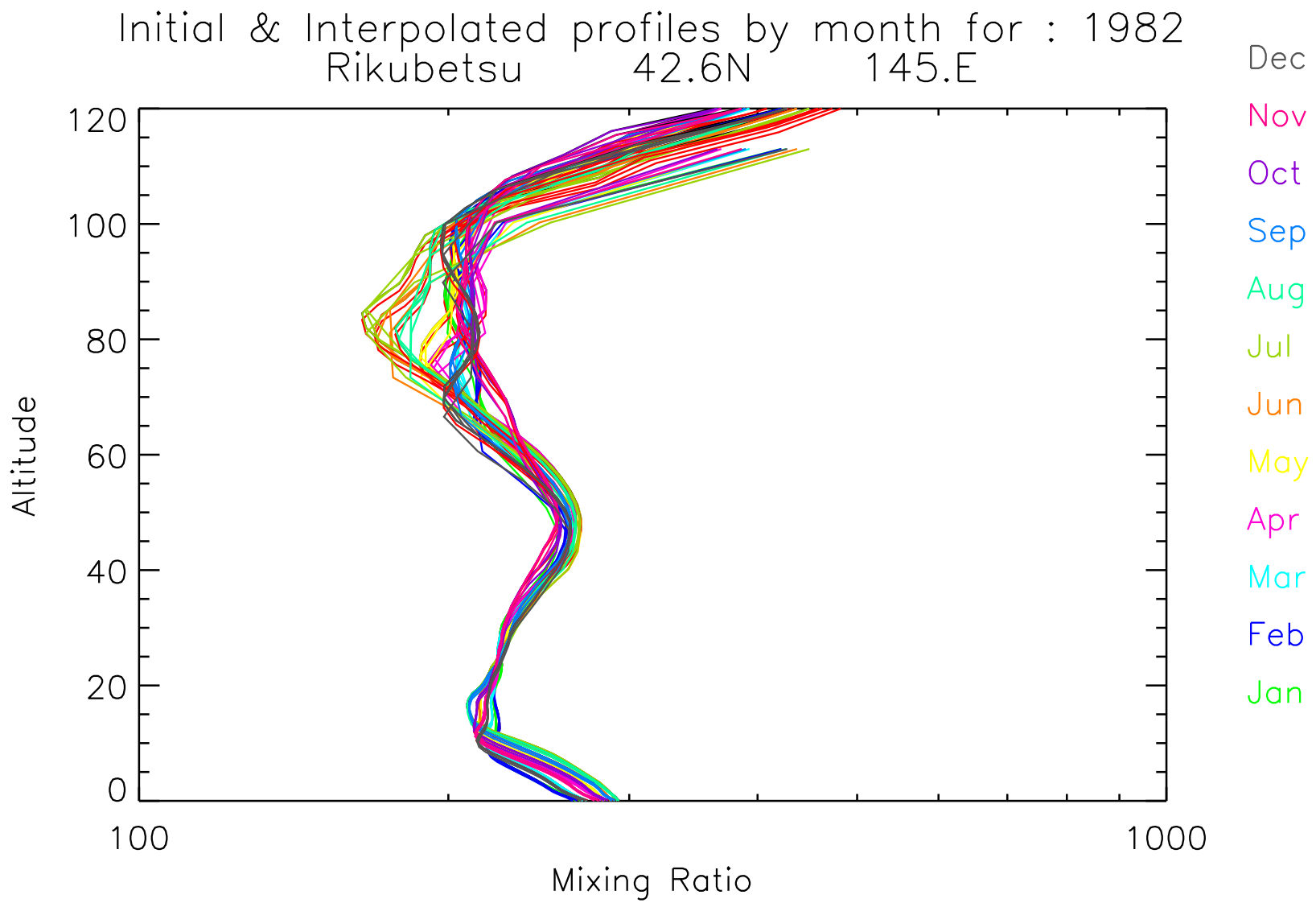
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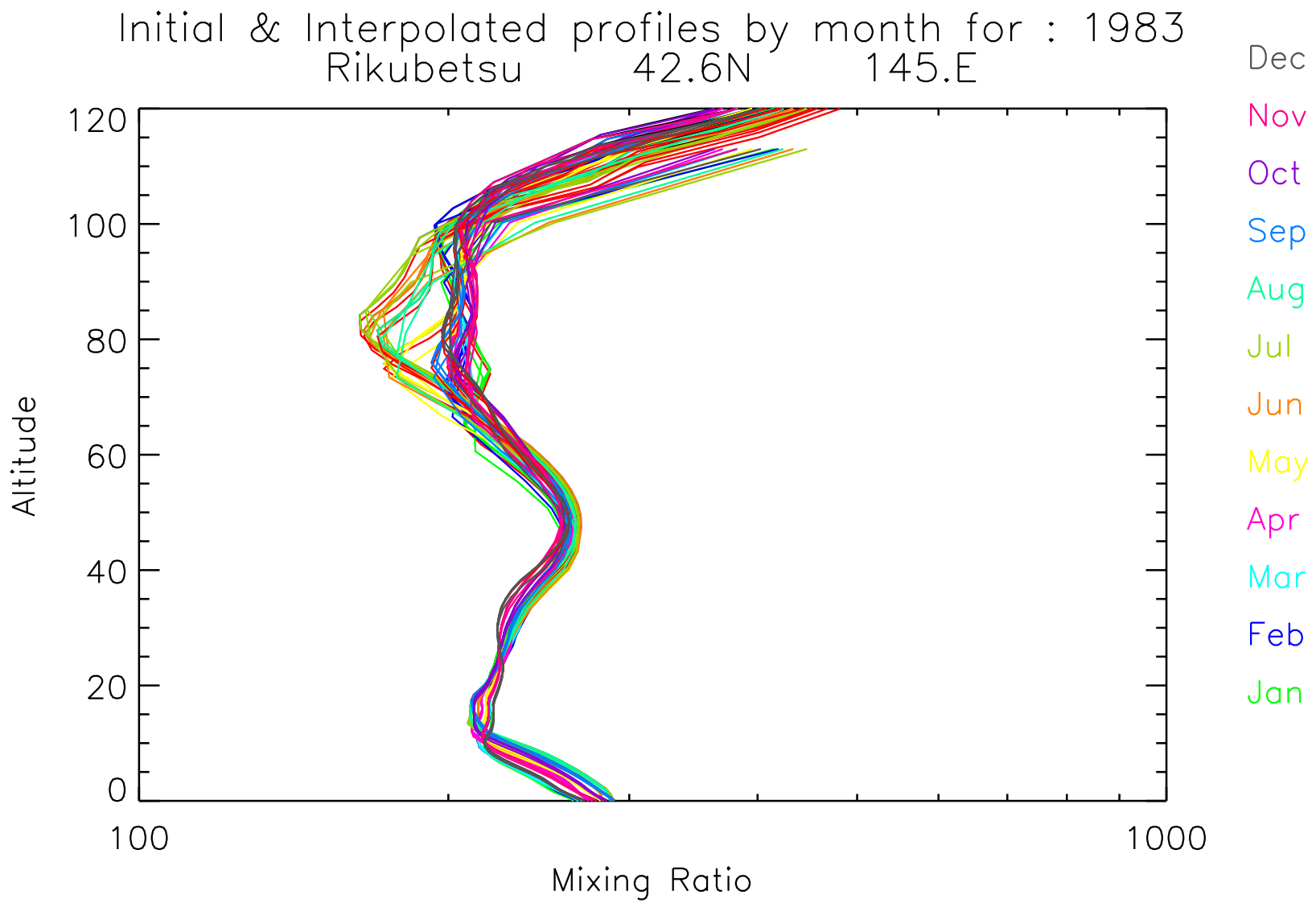
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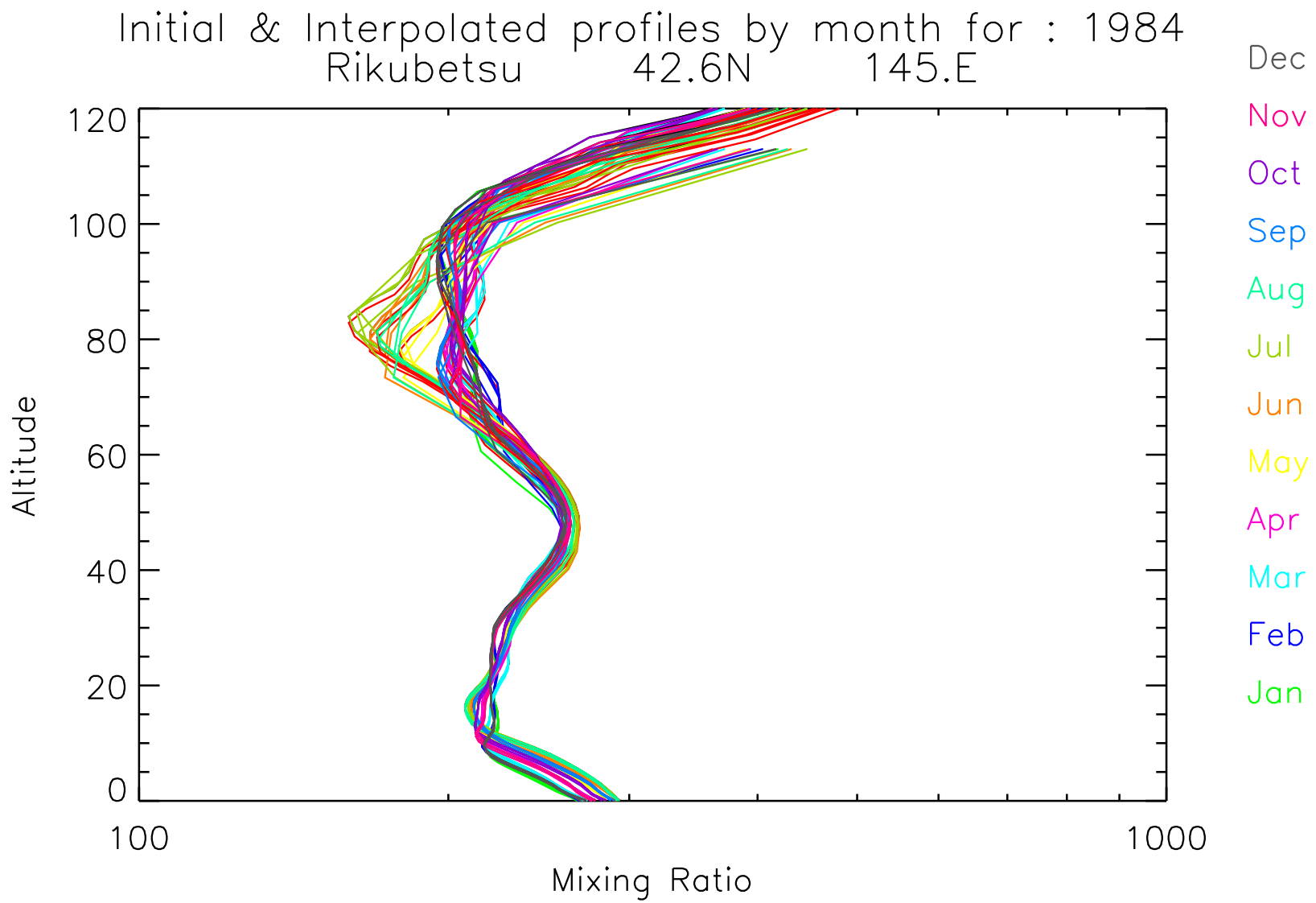
Initial & Interpolated profiles by month for : 1984
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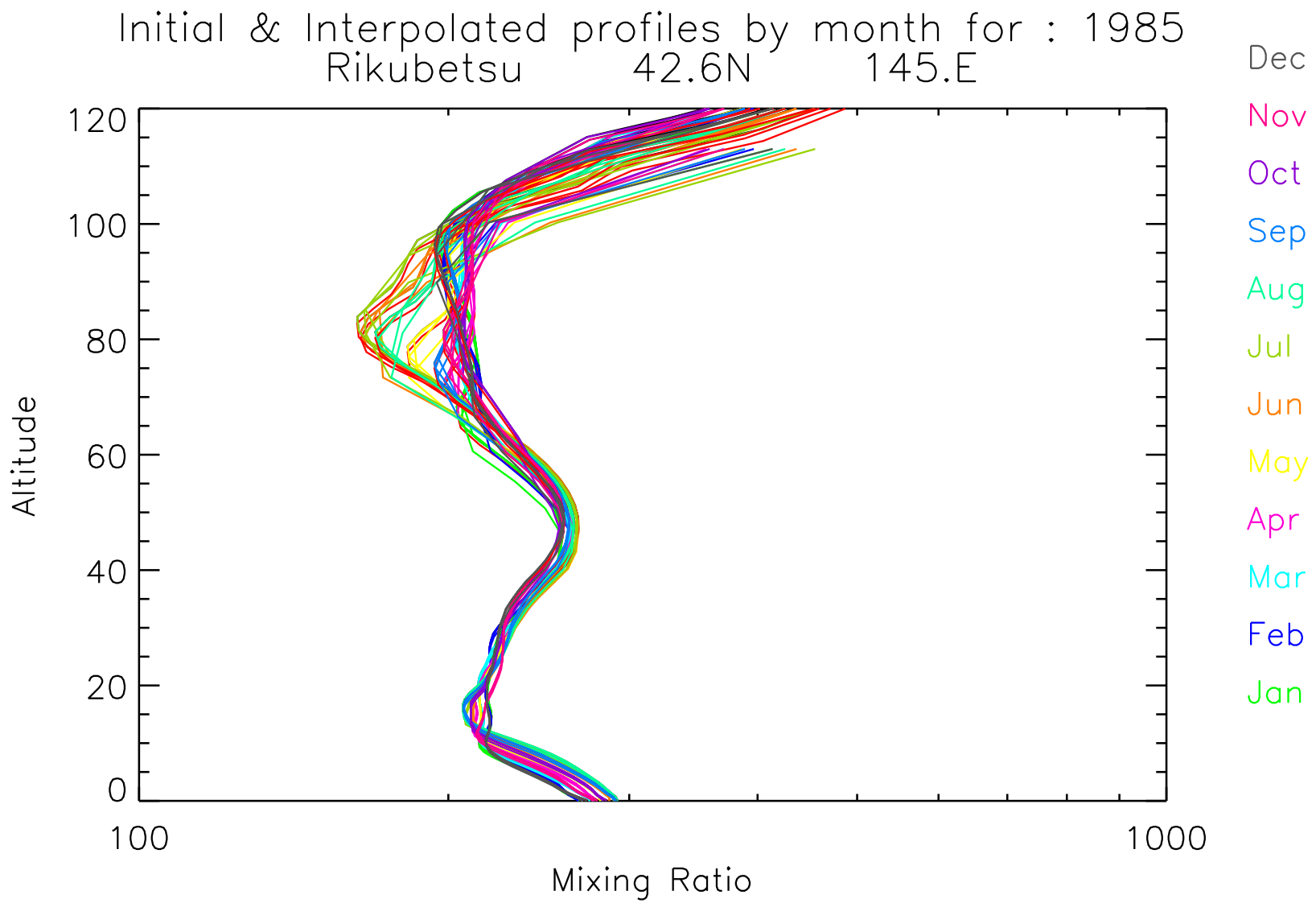
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Altitude
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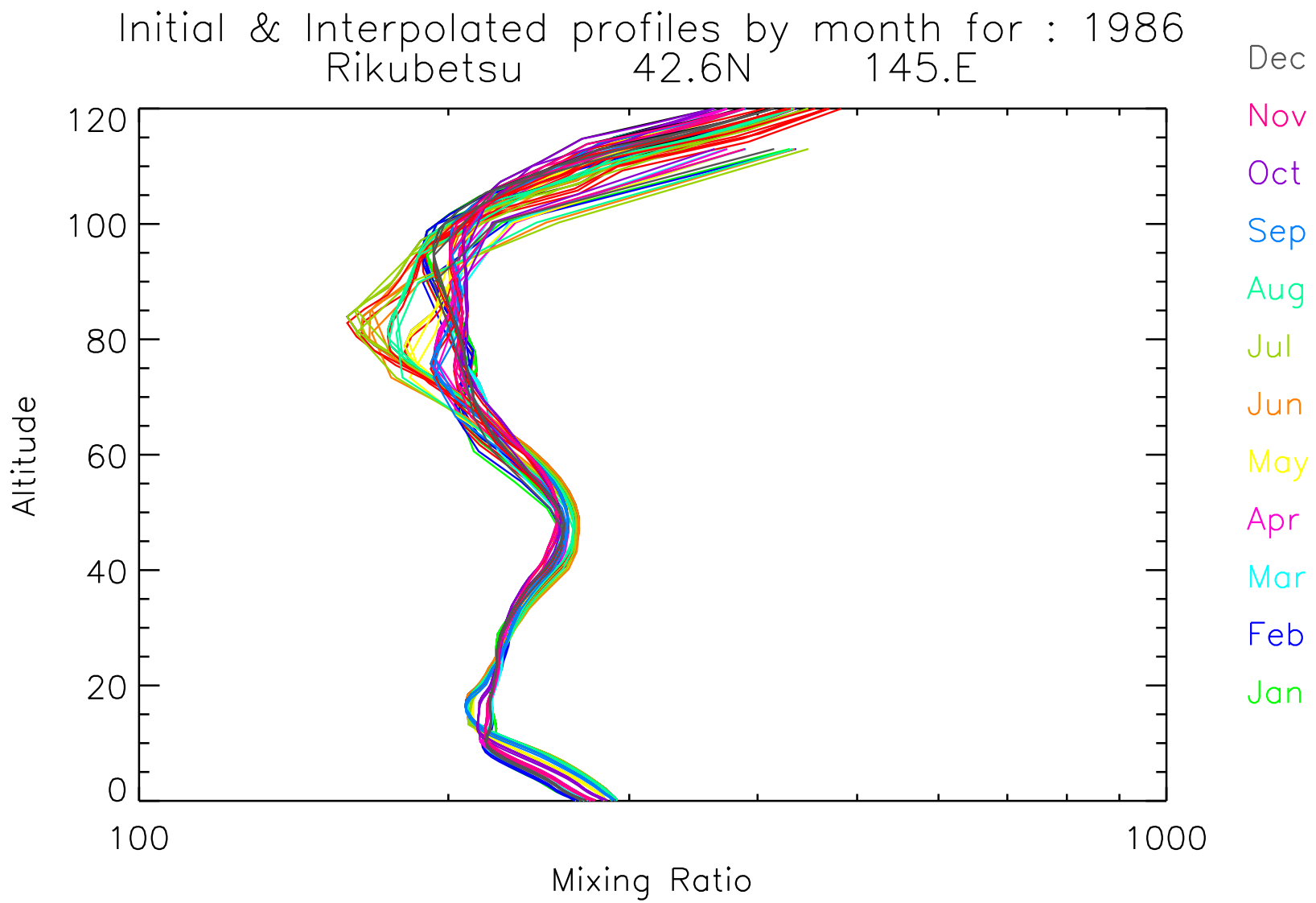
Initial & Interpolated profiles by month for : 1986
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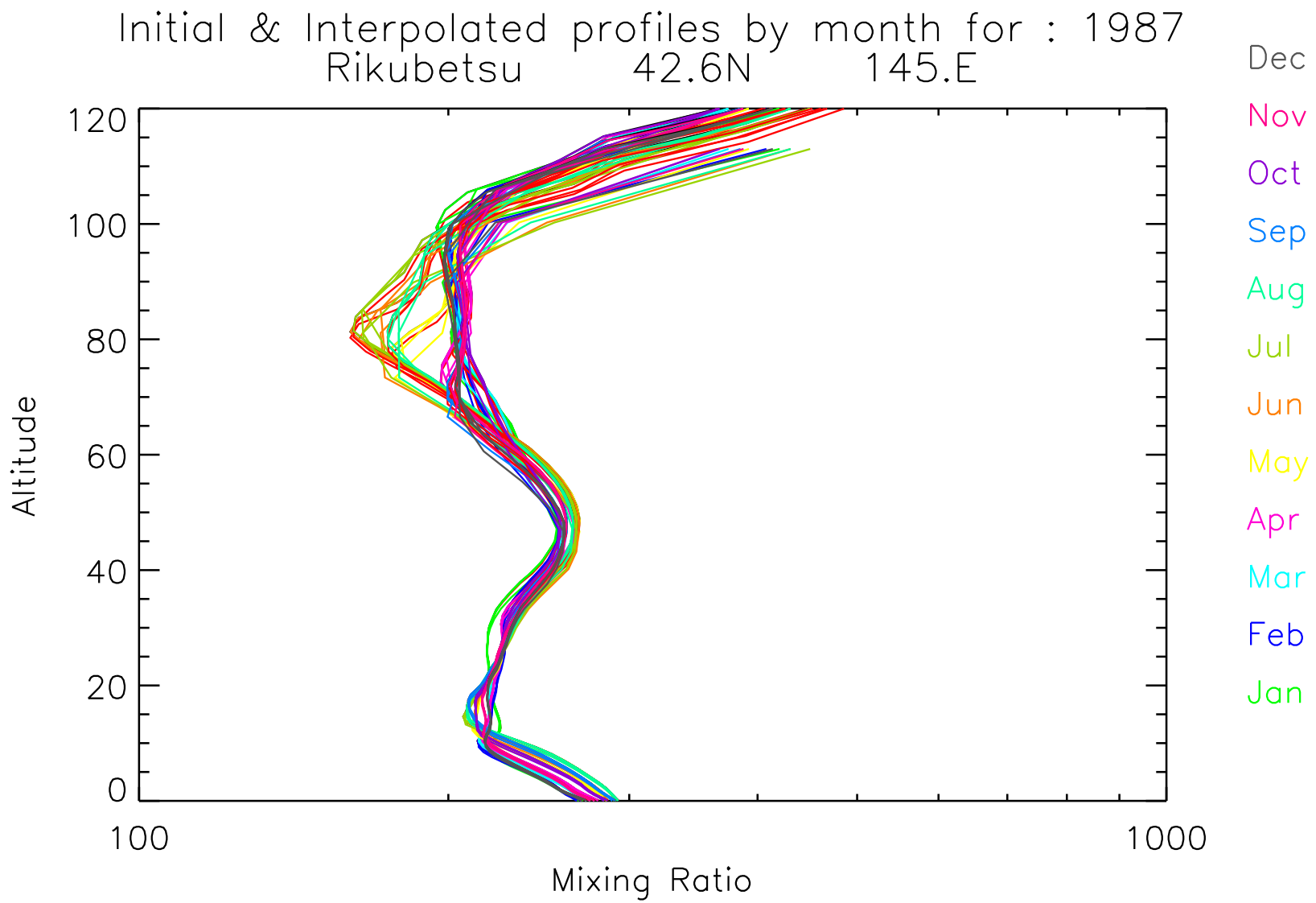
Initial & Interpolated profiles by month for : 1987
Rikubetsu 42.6N 145.E
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Mixing Ratio
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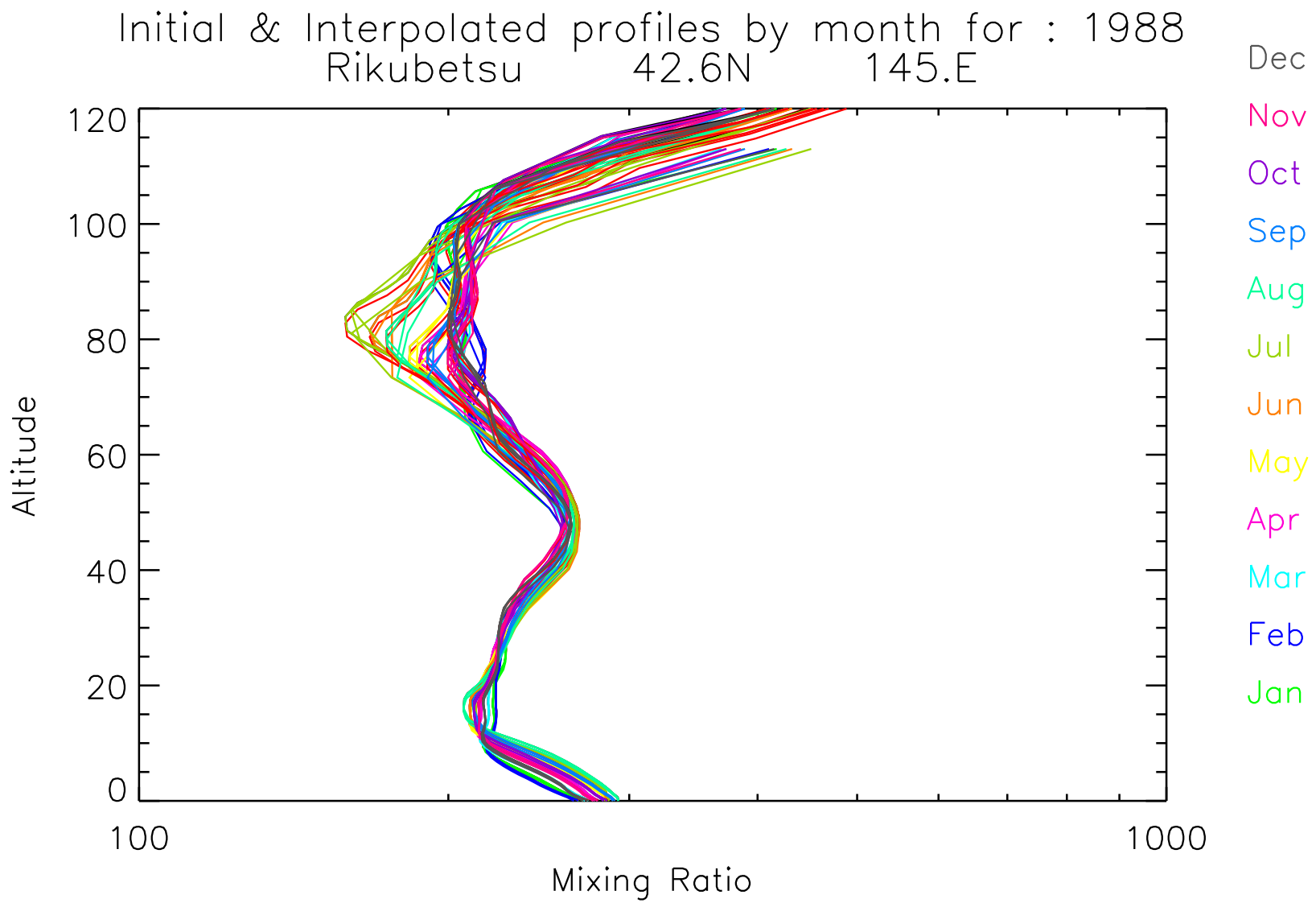
Initial & Interpolated profiles by month for : 1988
Rikubetsu 42.6N 145.E
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Mixing Ratio
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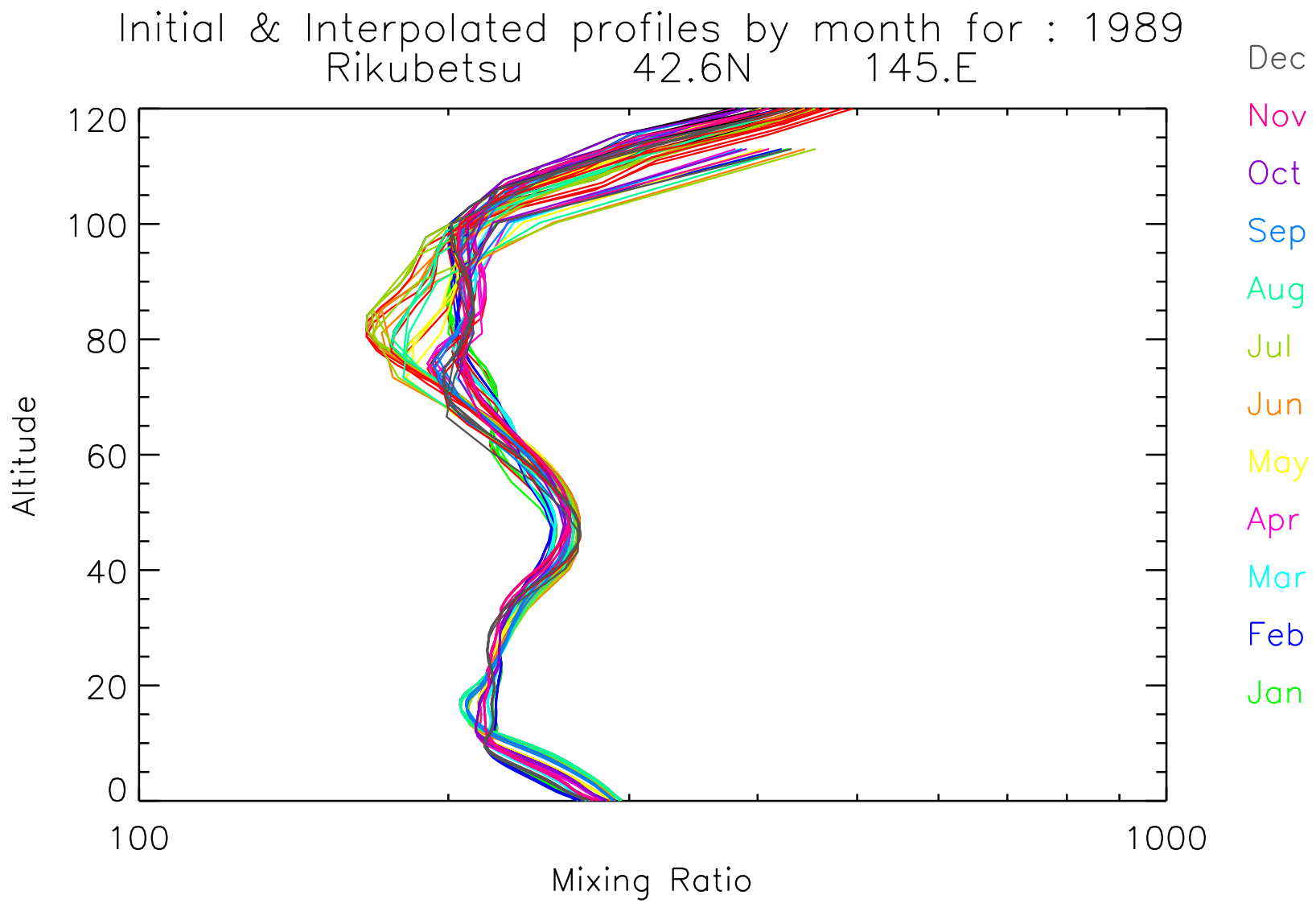
Initial & Interpolated profiles by month for : 1989
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Mixing Ratio
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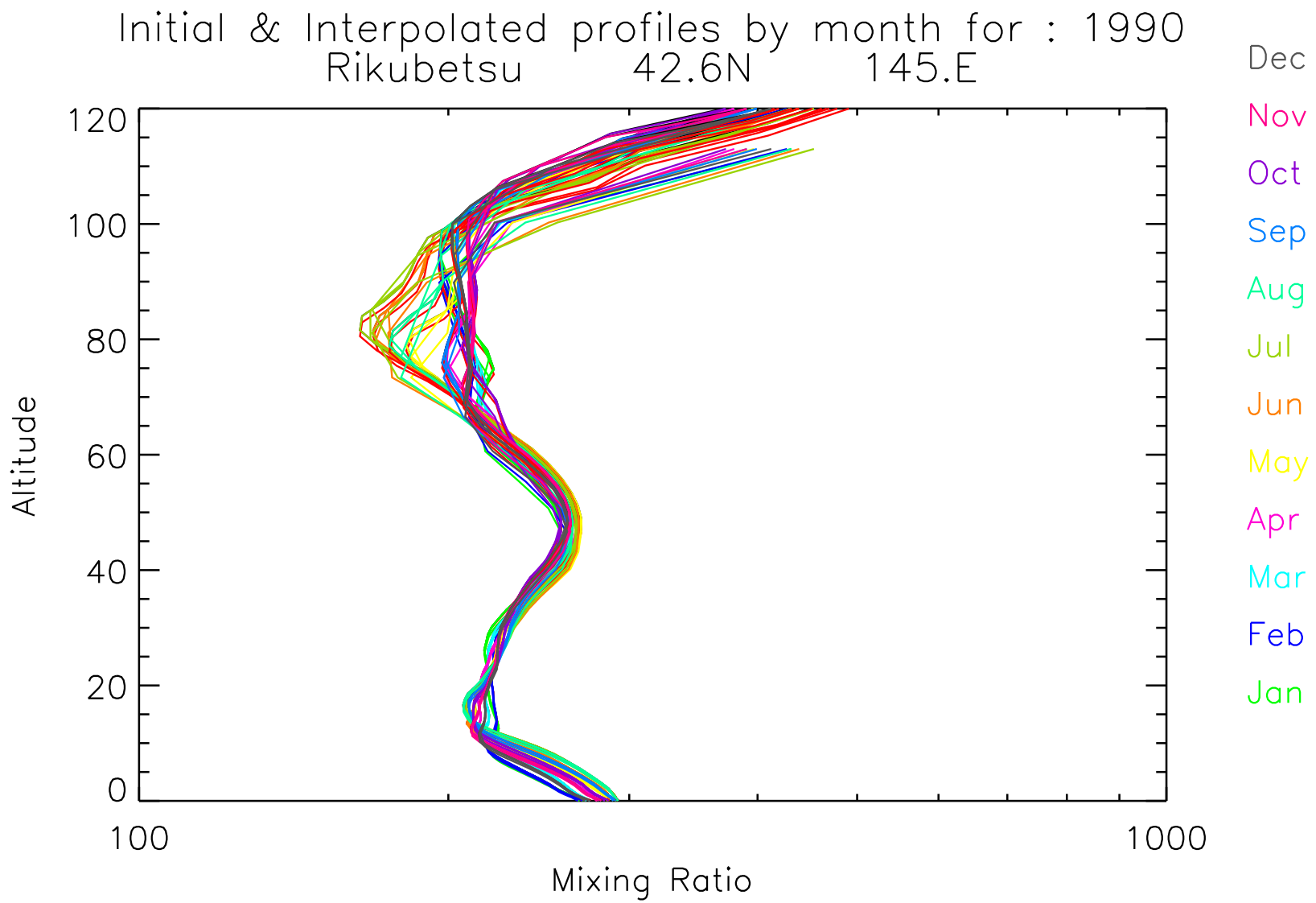
Initial & Interpolated profiles by month for : 1990
Rikubetsu 42.6N 145.E
Altitude
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Mixing Ratio
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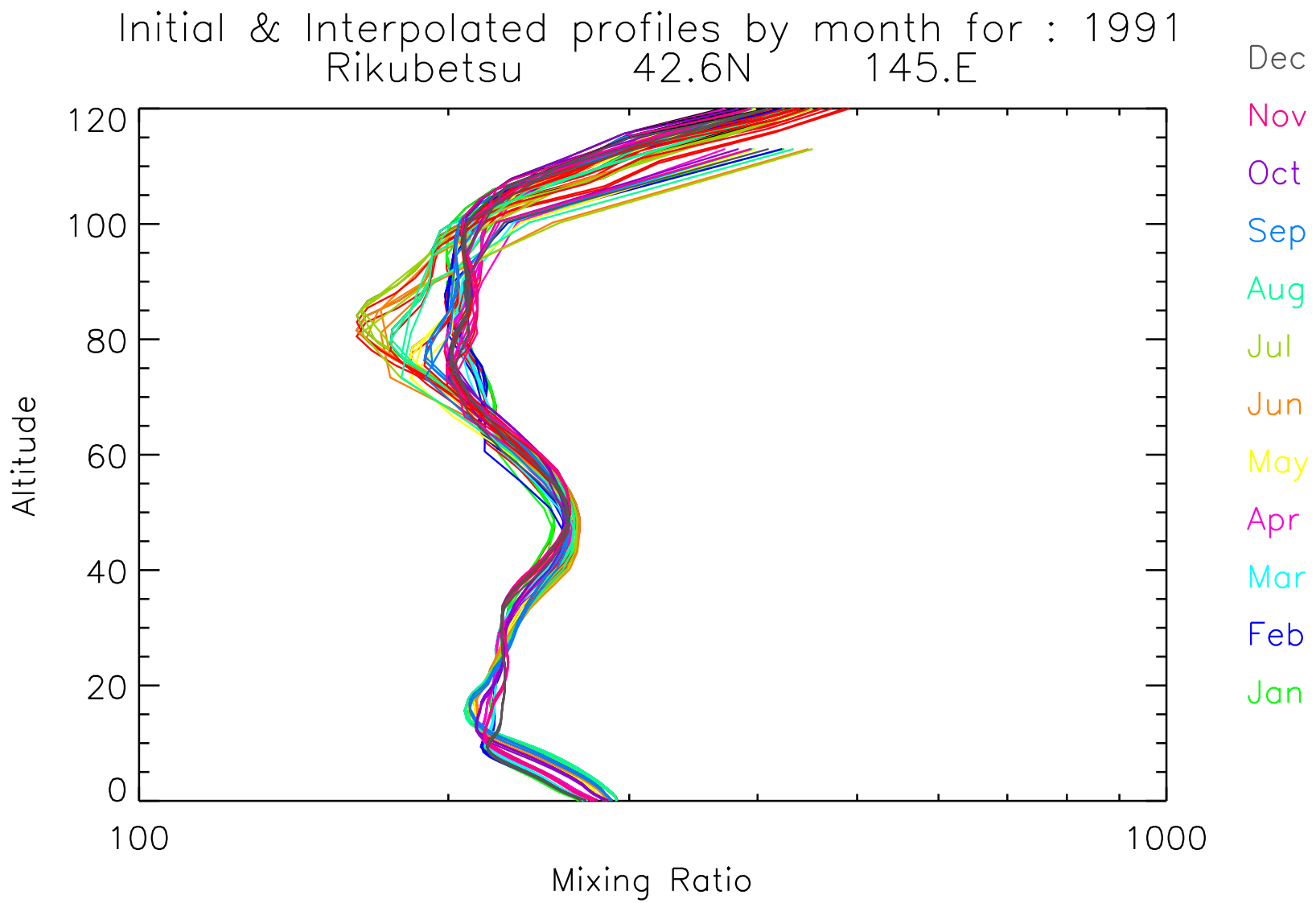
Initial & Interpolated profiles by month for : 1991
Rikubetsu 42.6N 145.E
Altitude
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Mixing Ratio
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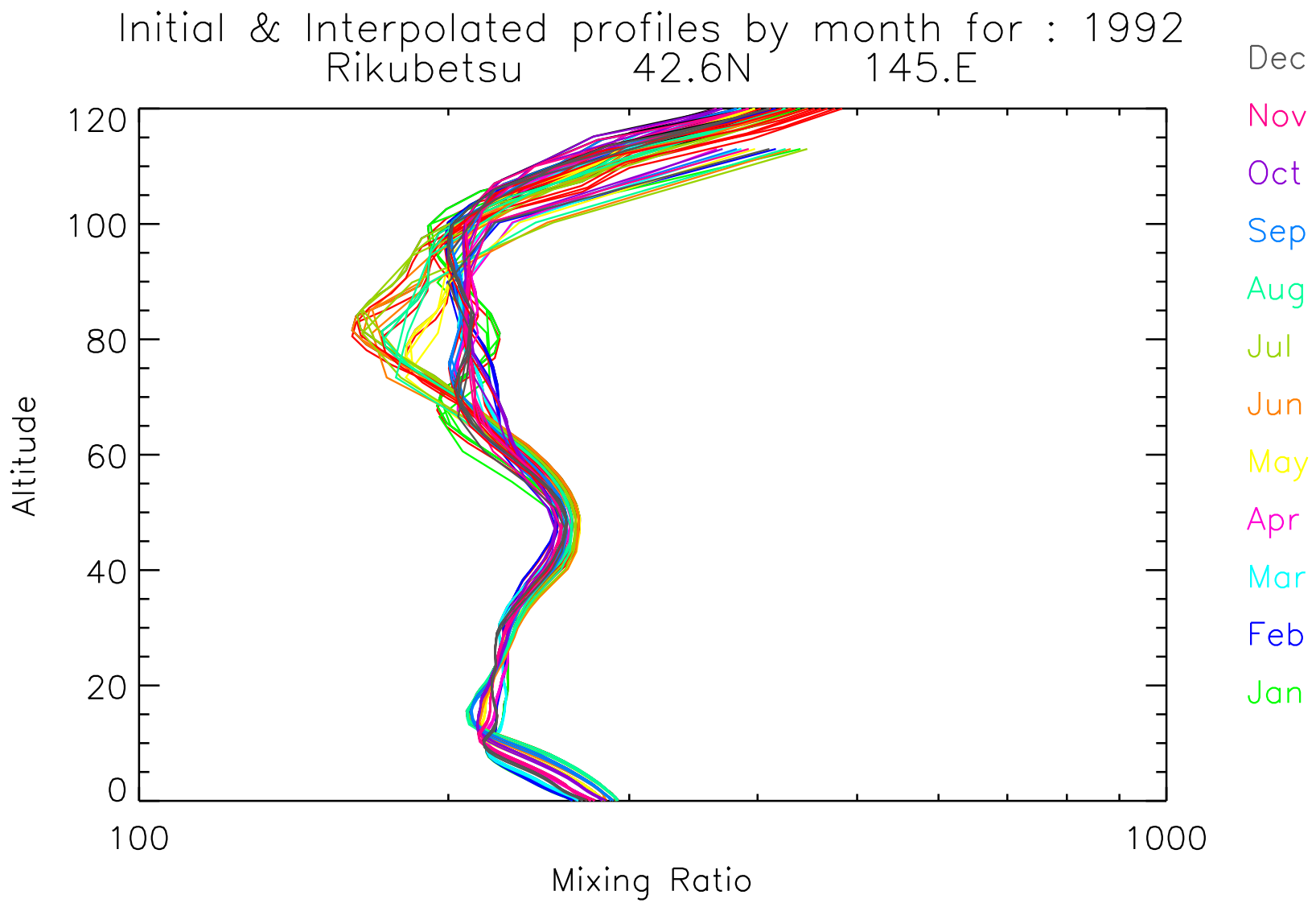
Initial & Interpolated profiles by month for : 1992
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Mixing Ratio
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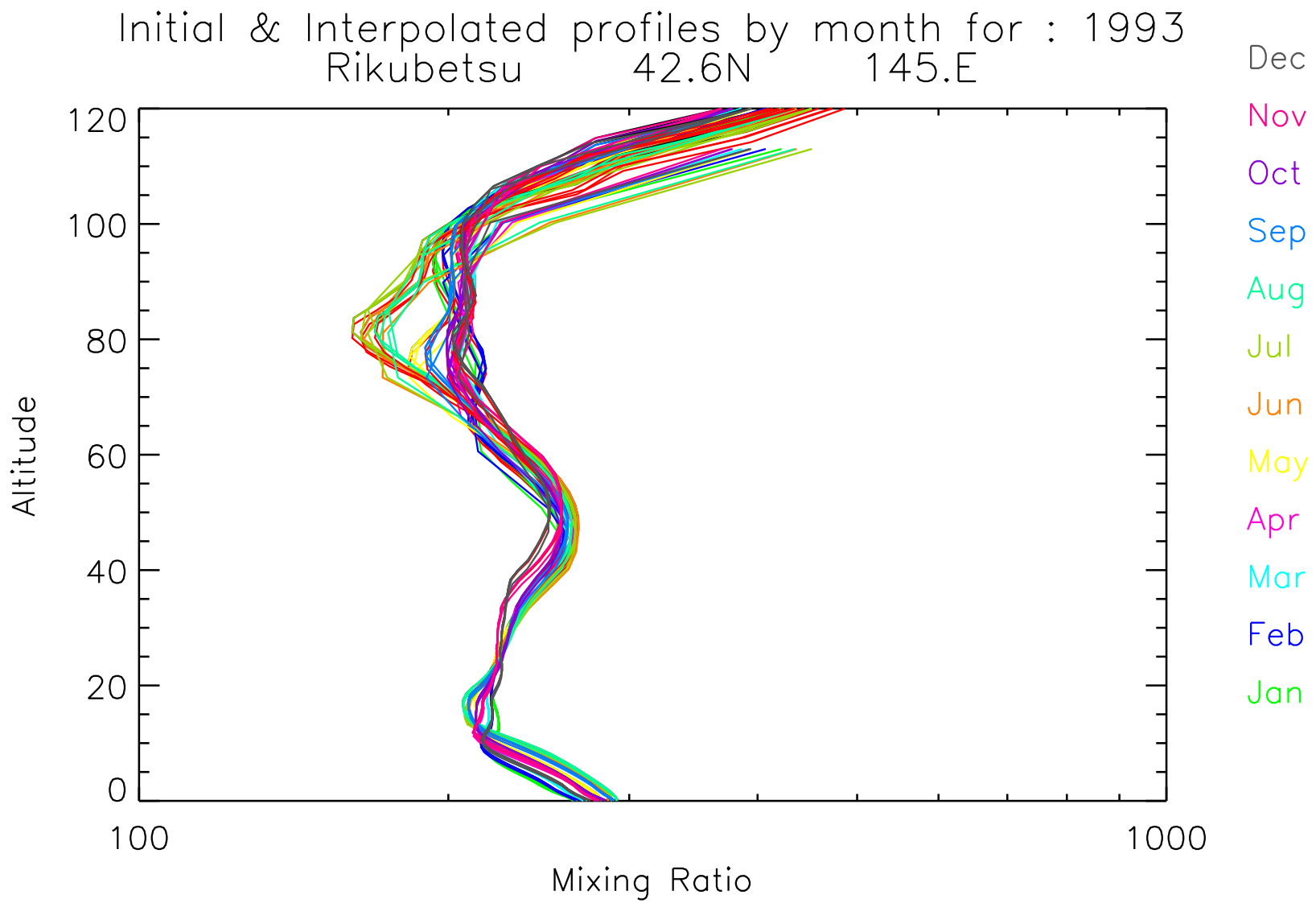
Initial & Interpolated profiles by month for : 1993
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Mixing Ratio
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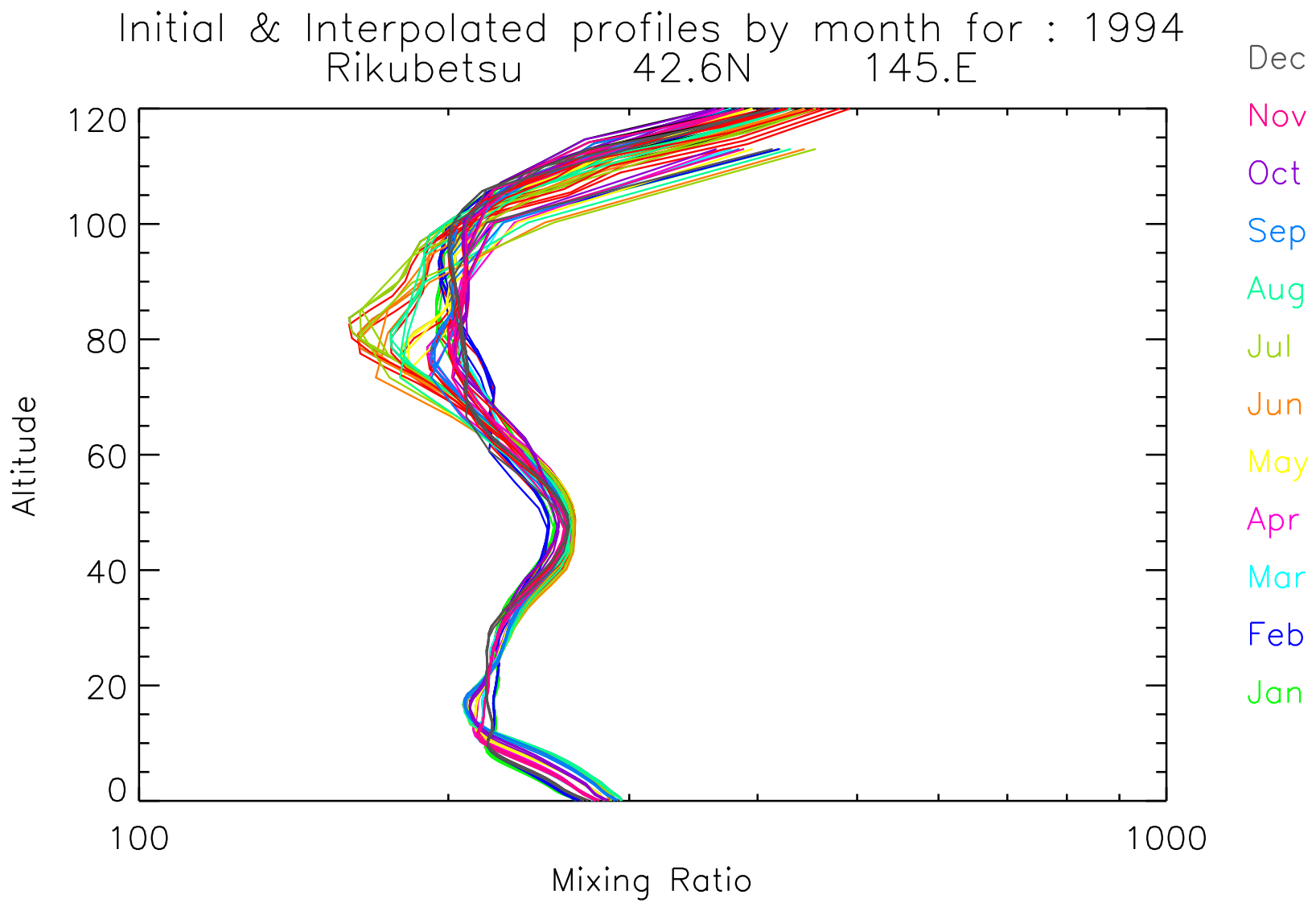
Initial & Interpolated profiles by month for : 1994
Rikubetsu 42.6N 145.E
Altitude
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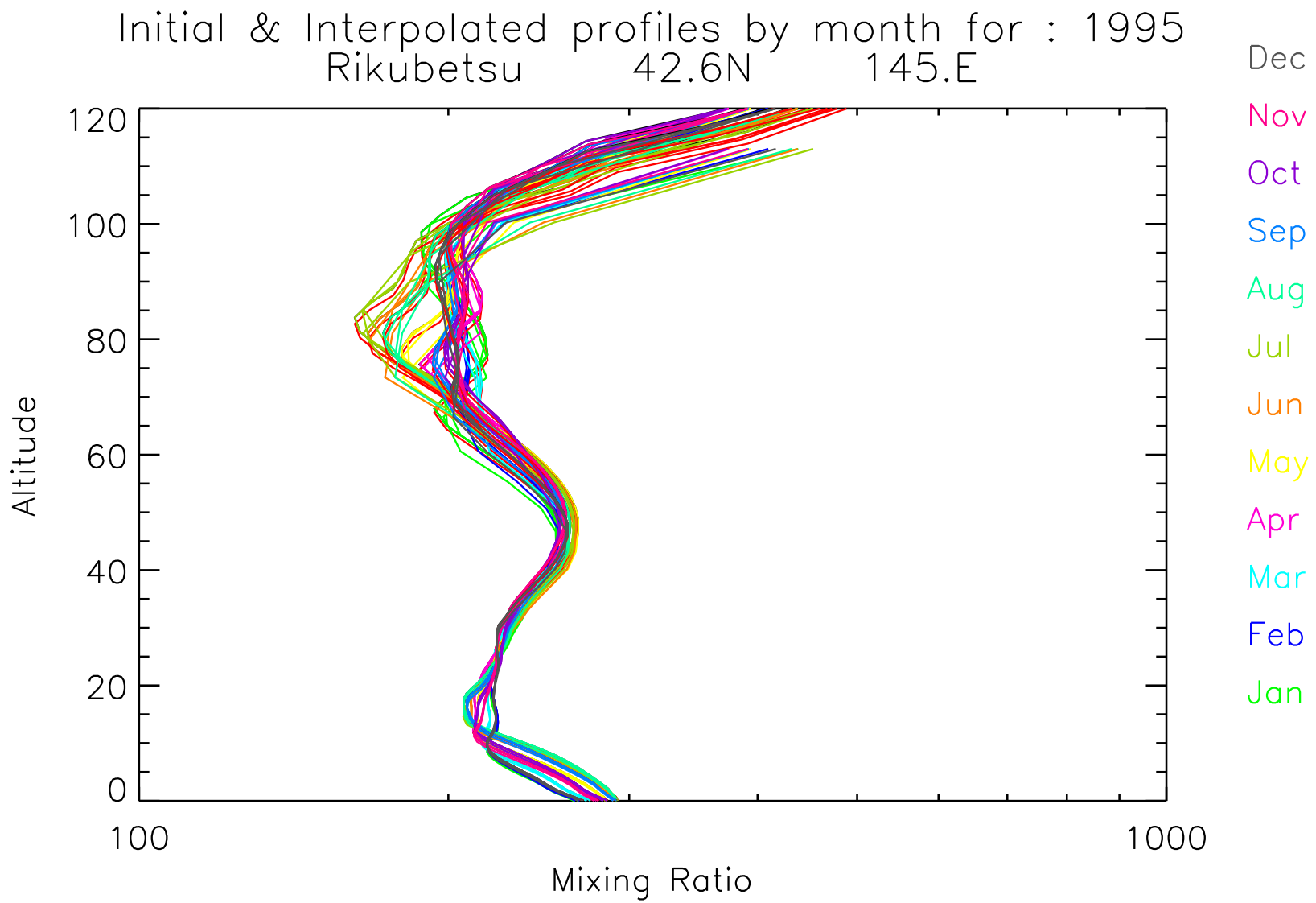
Initial & Interpolated profiles by month for : 1995
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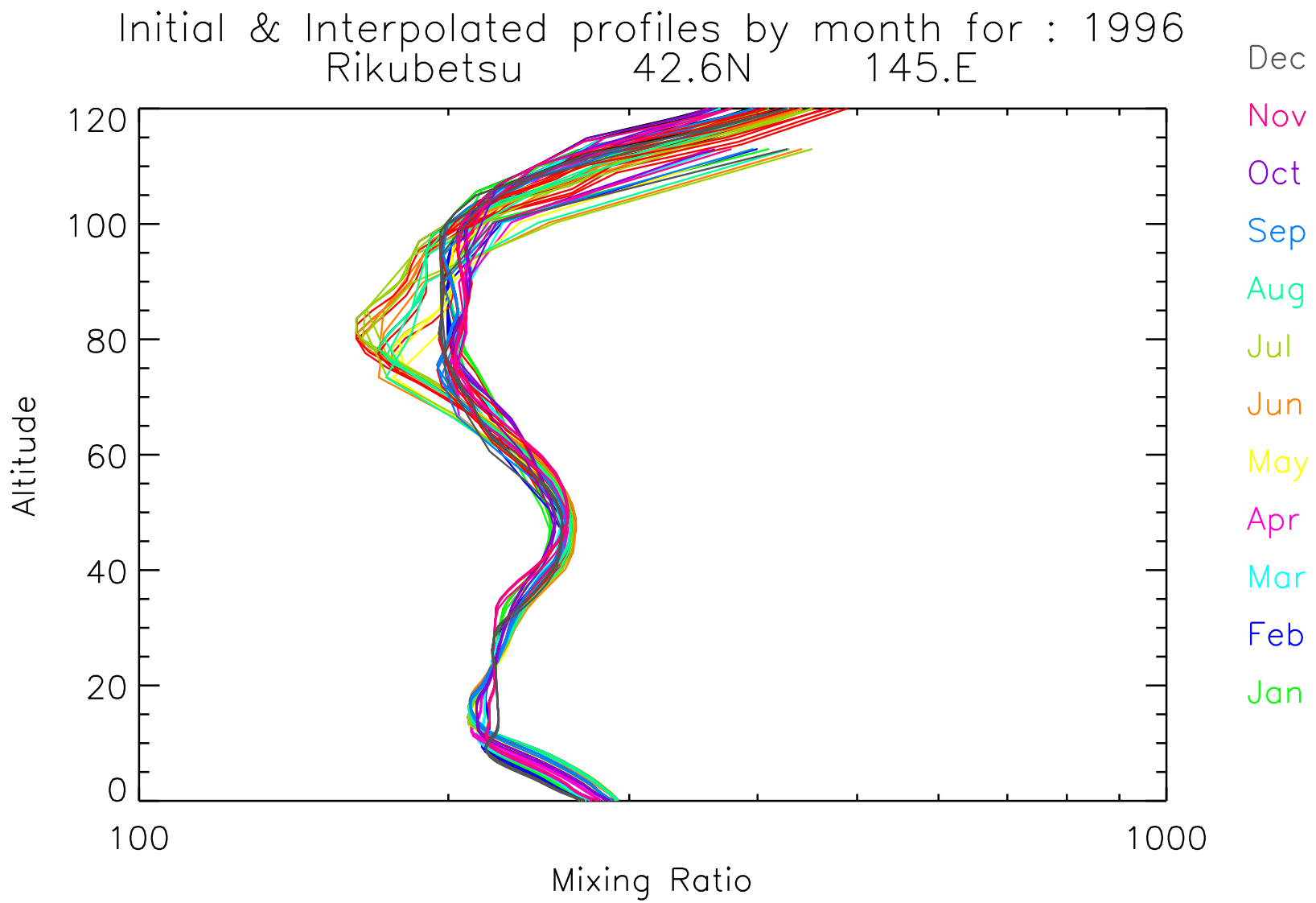
Initial & Interpolated profiles by month for : 1996
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Altitude
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Mixing Ratio
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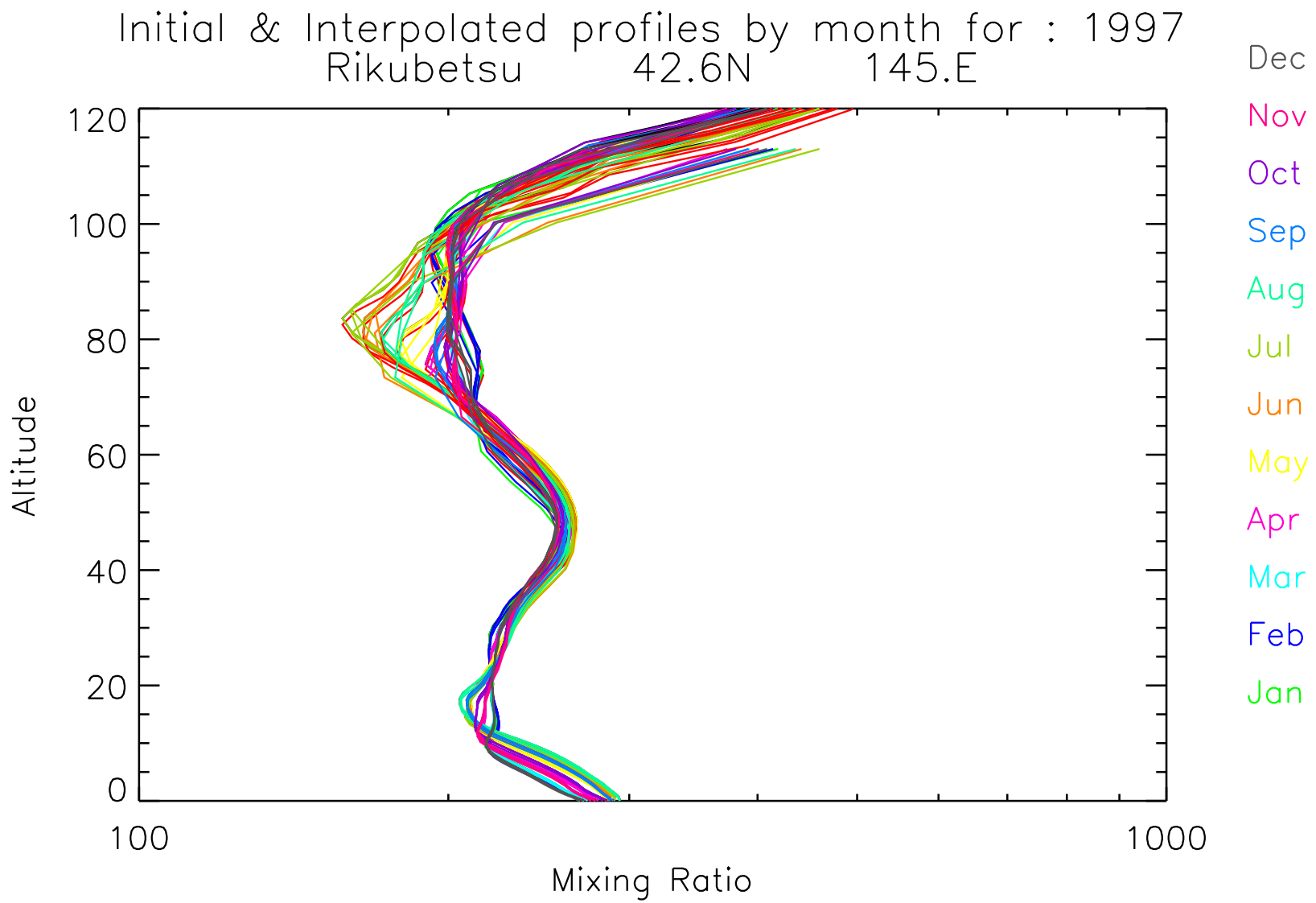
Initial & Interpolated profiles by month for : 1997
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Altitude
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Mixing Ratio
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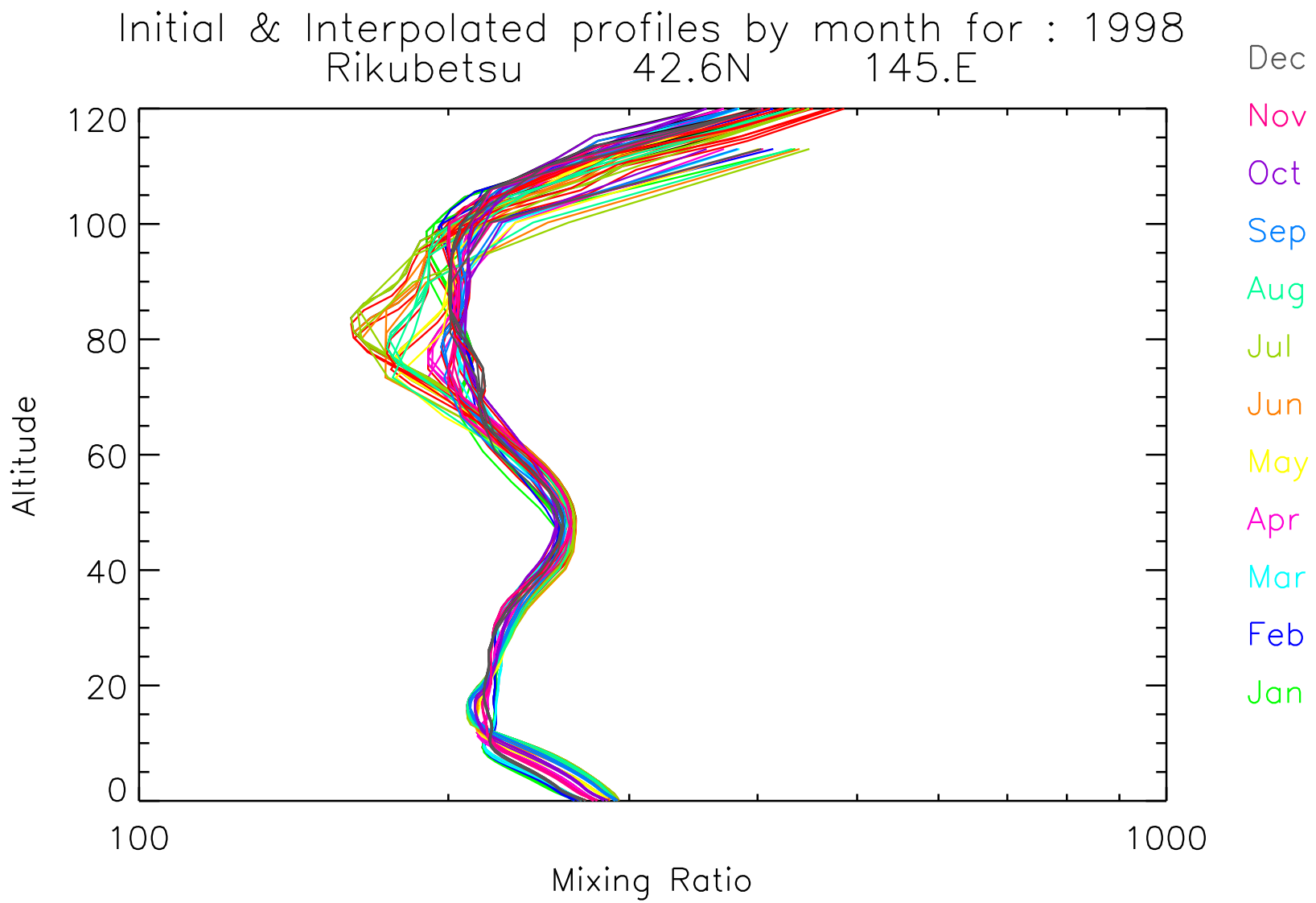
Initial & Interpolated profiles by month for : 1998
Rikubetsu 42.6N 145.E
Altitude
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Mixing Ratio
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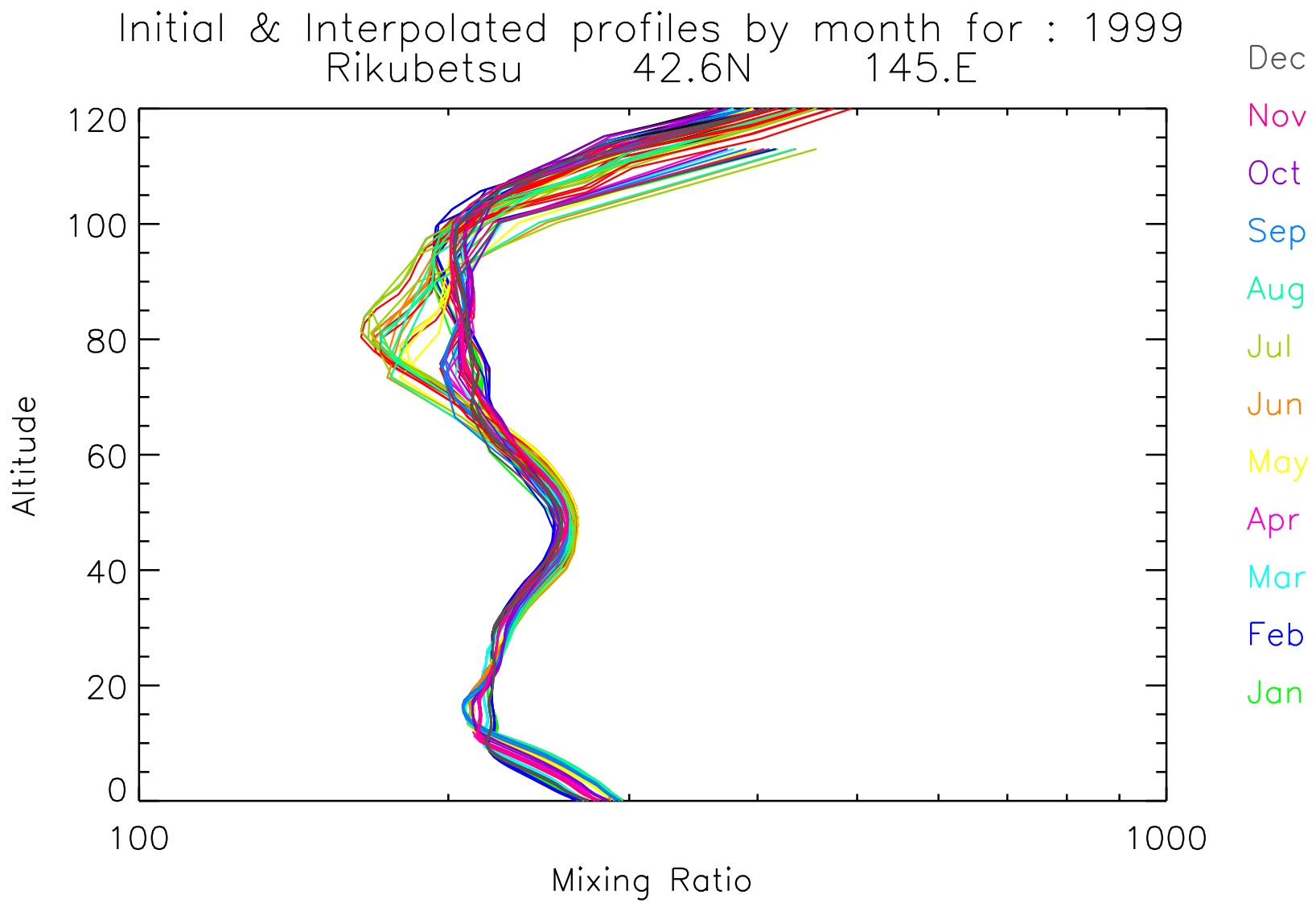
Initial & Interpolated profiles by month for : 1999
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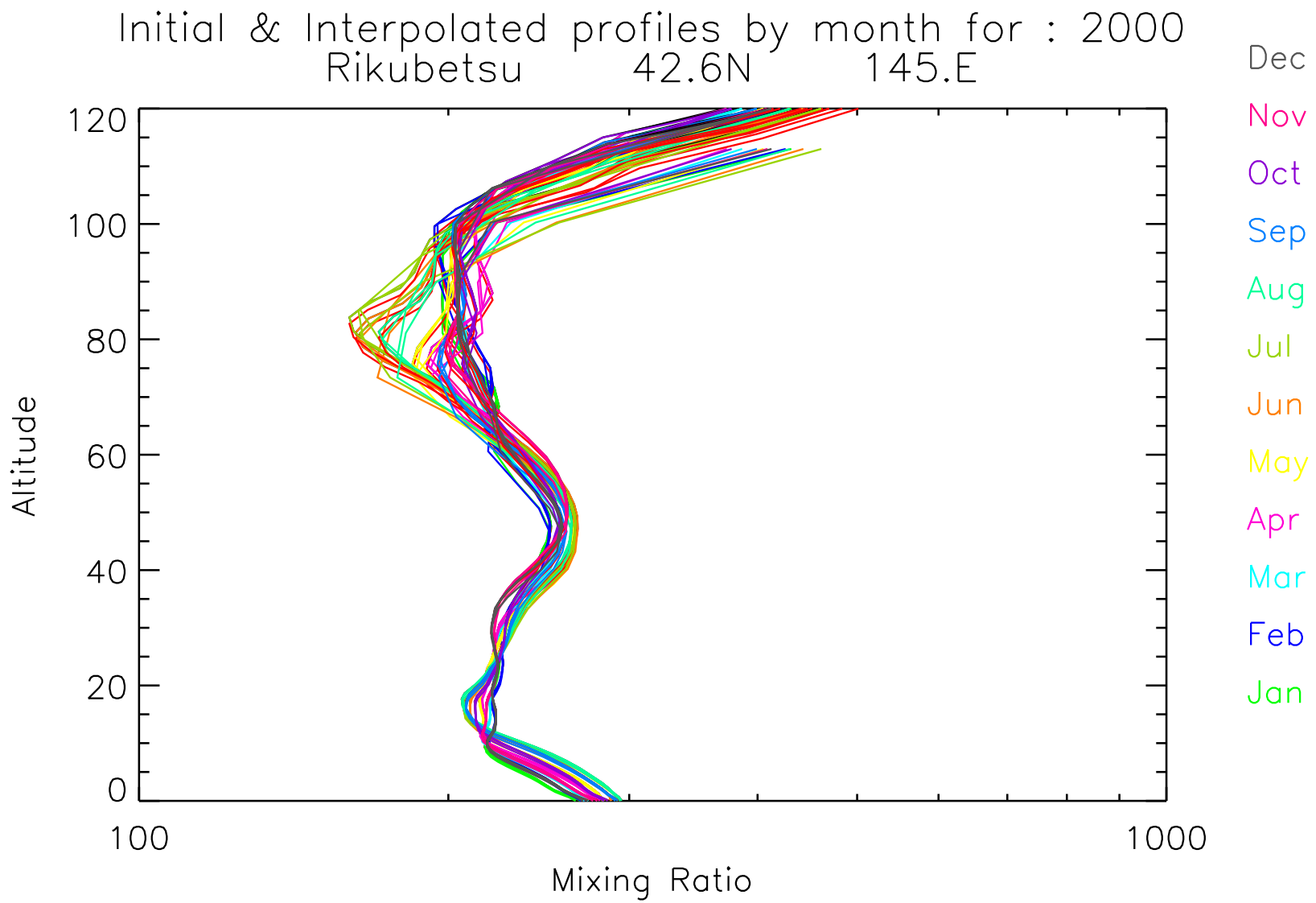
Initial & Interpolated profiles by month for : 2000
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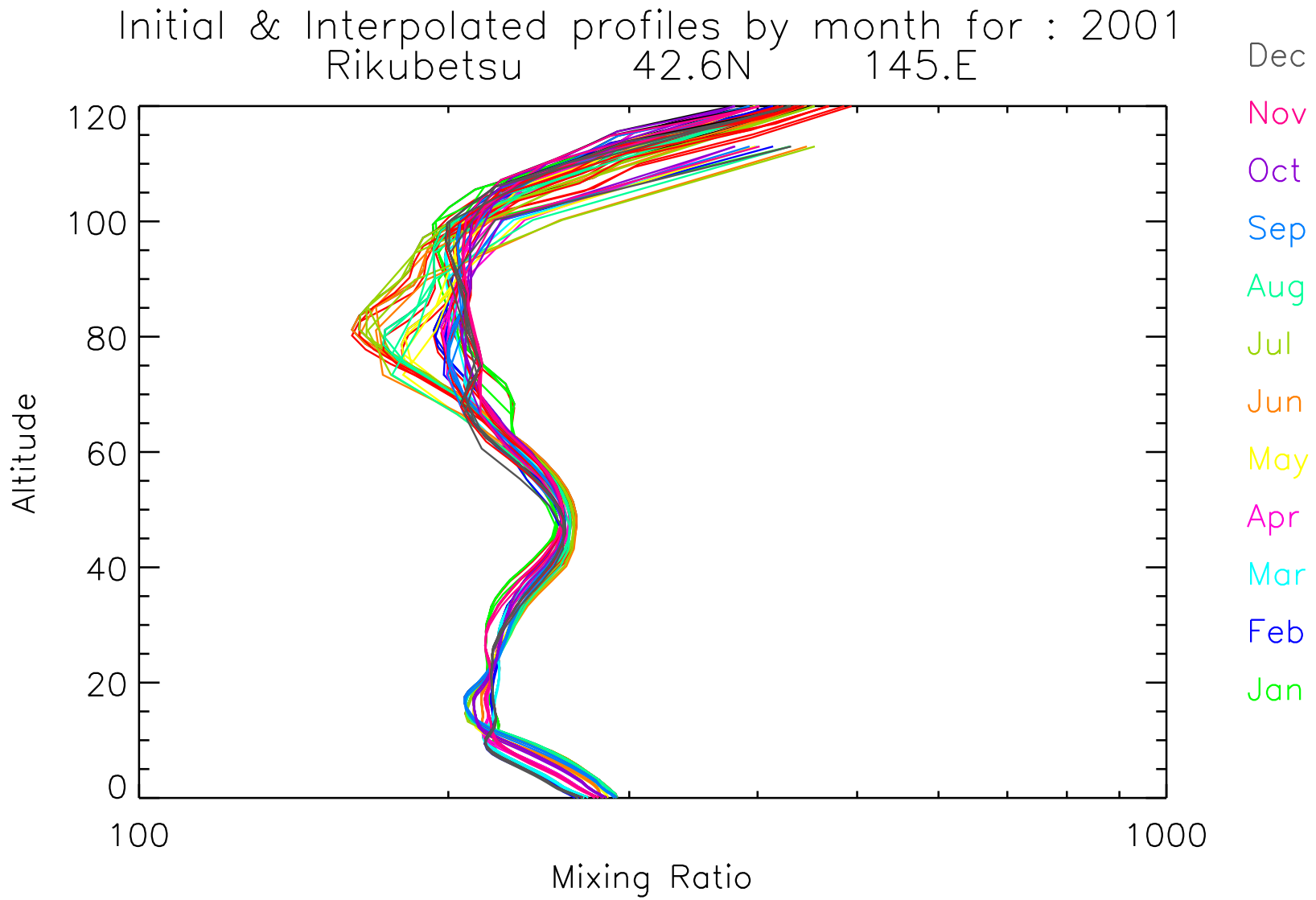
Initial & Interpolated profiles by month for : 2001
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Mixing Ratio
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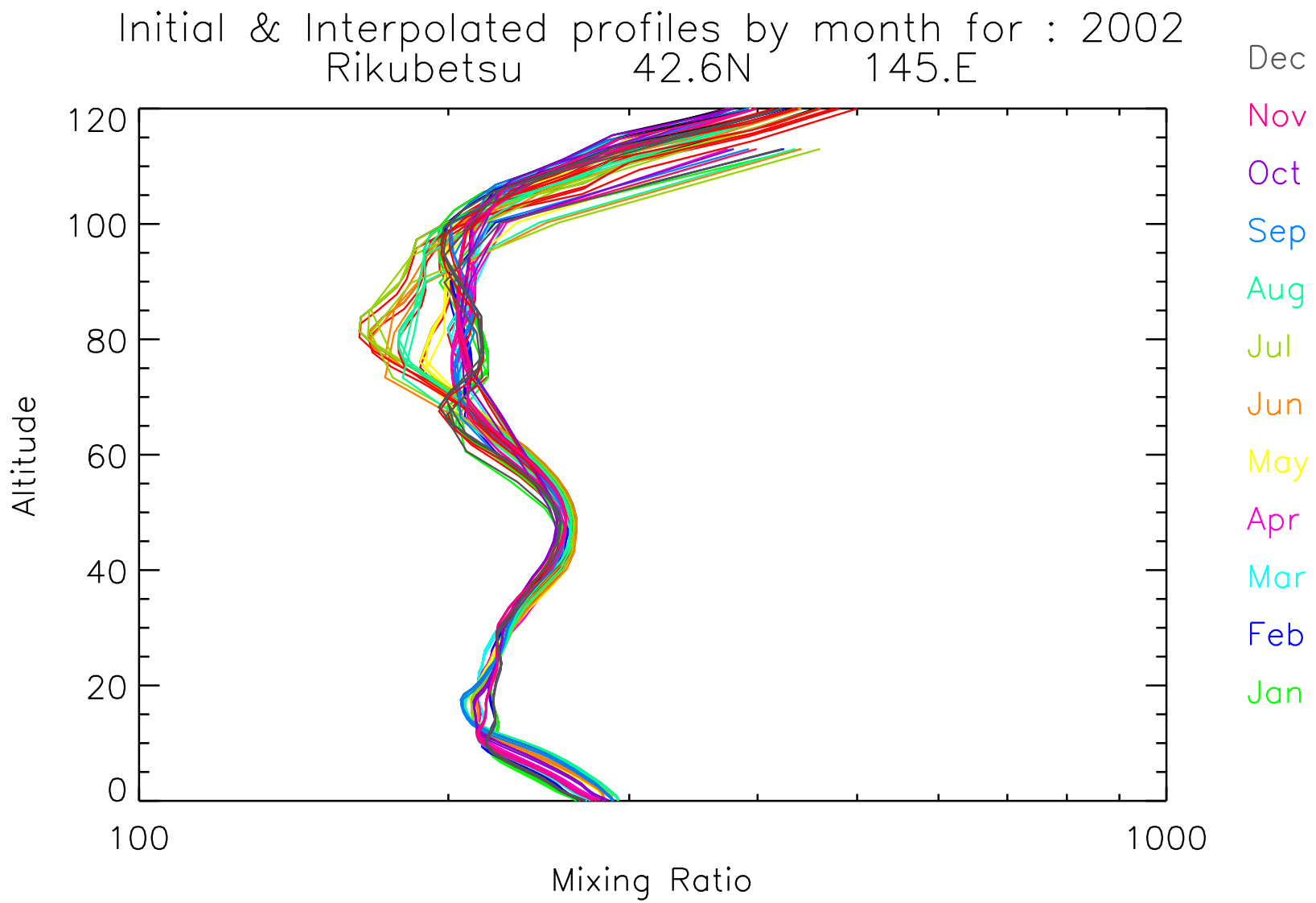
Initial & Interpolated profiles by month for : 2002
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Mixing Ratio
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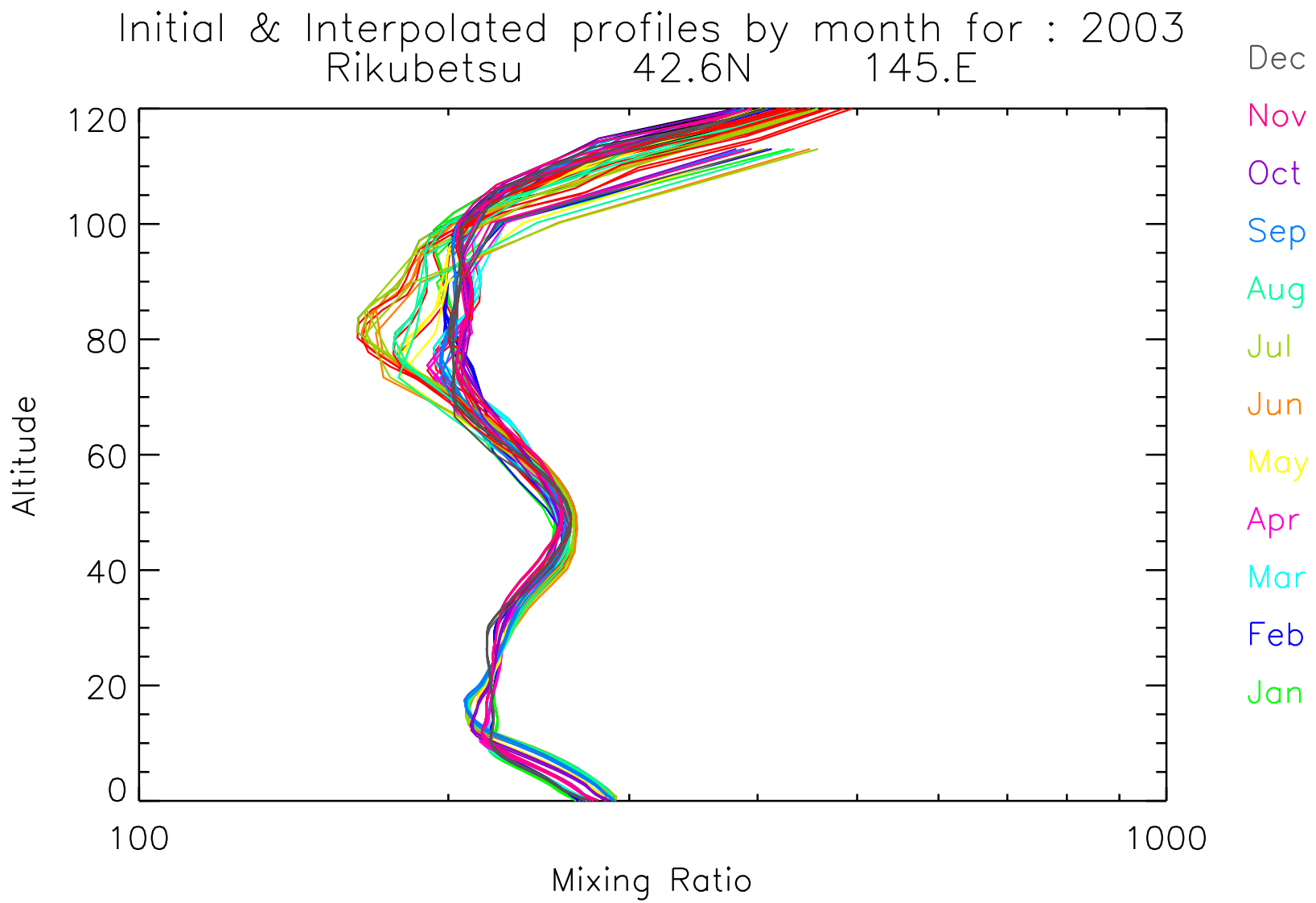
Initial & Interpolated profiles by month for : 2003
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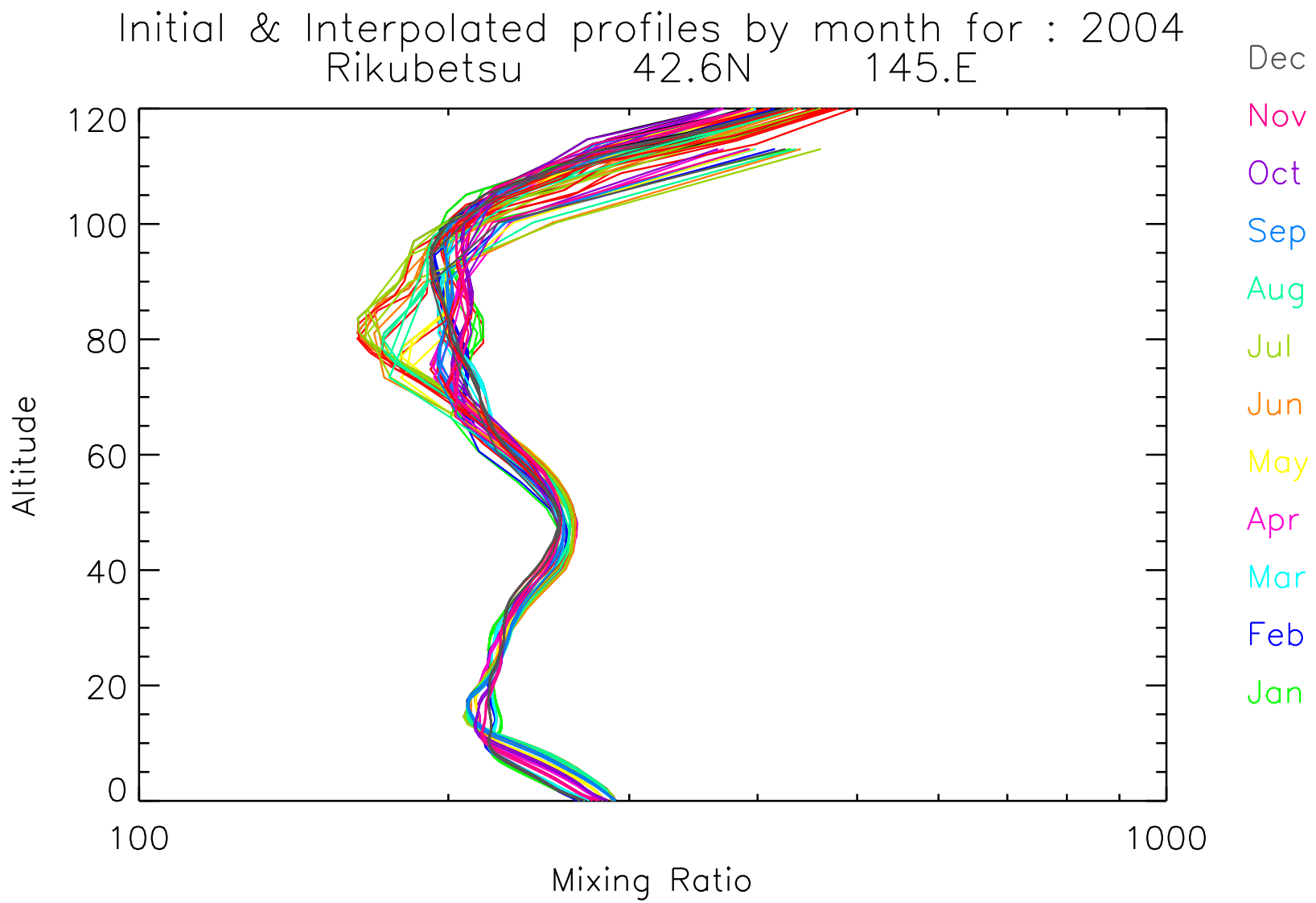
Initial & Interpolated profiles by month for : 2004
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Mixing Ratio
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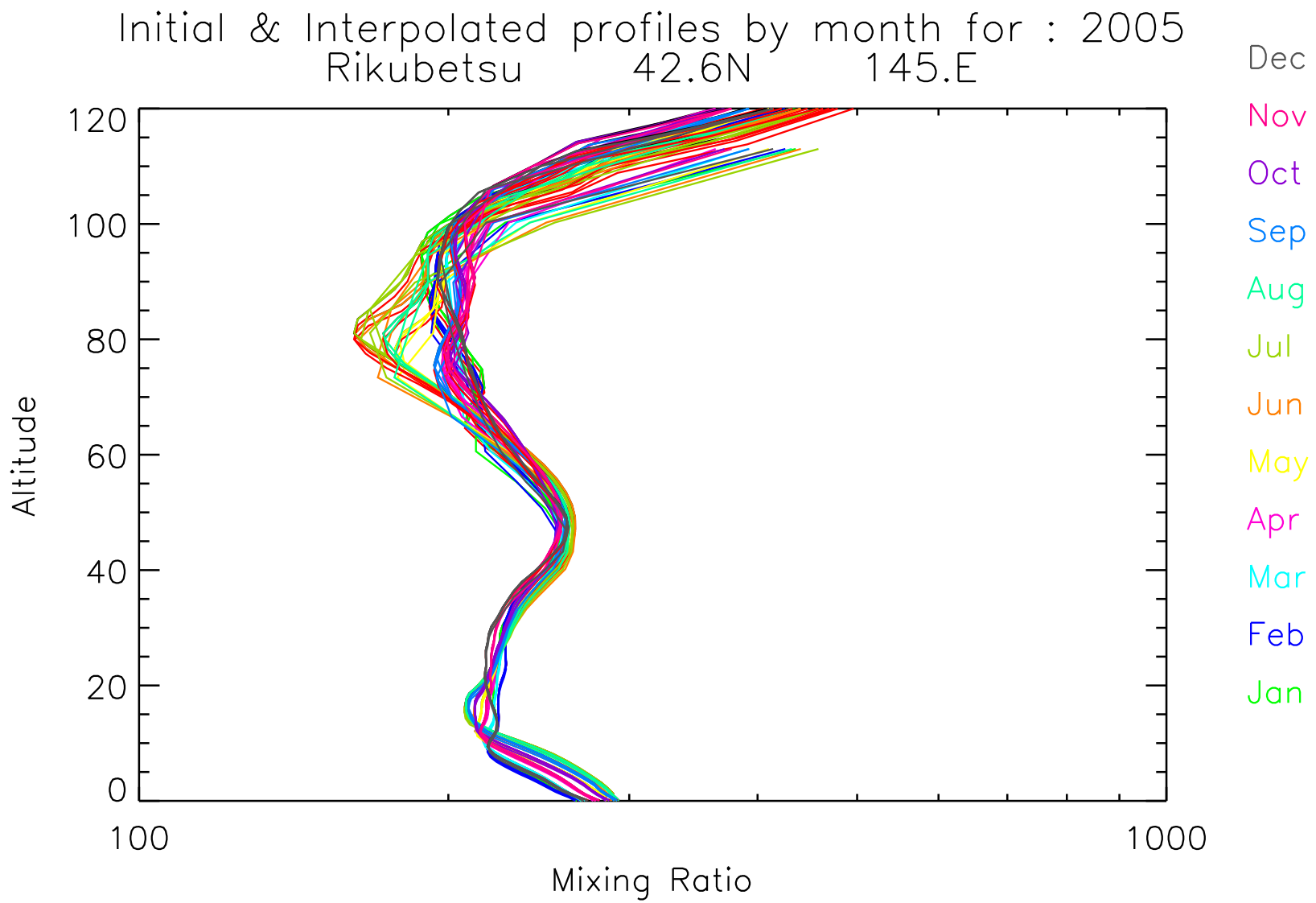
Initial & Interpolated profiles by month for : 2005
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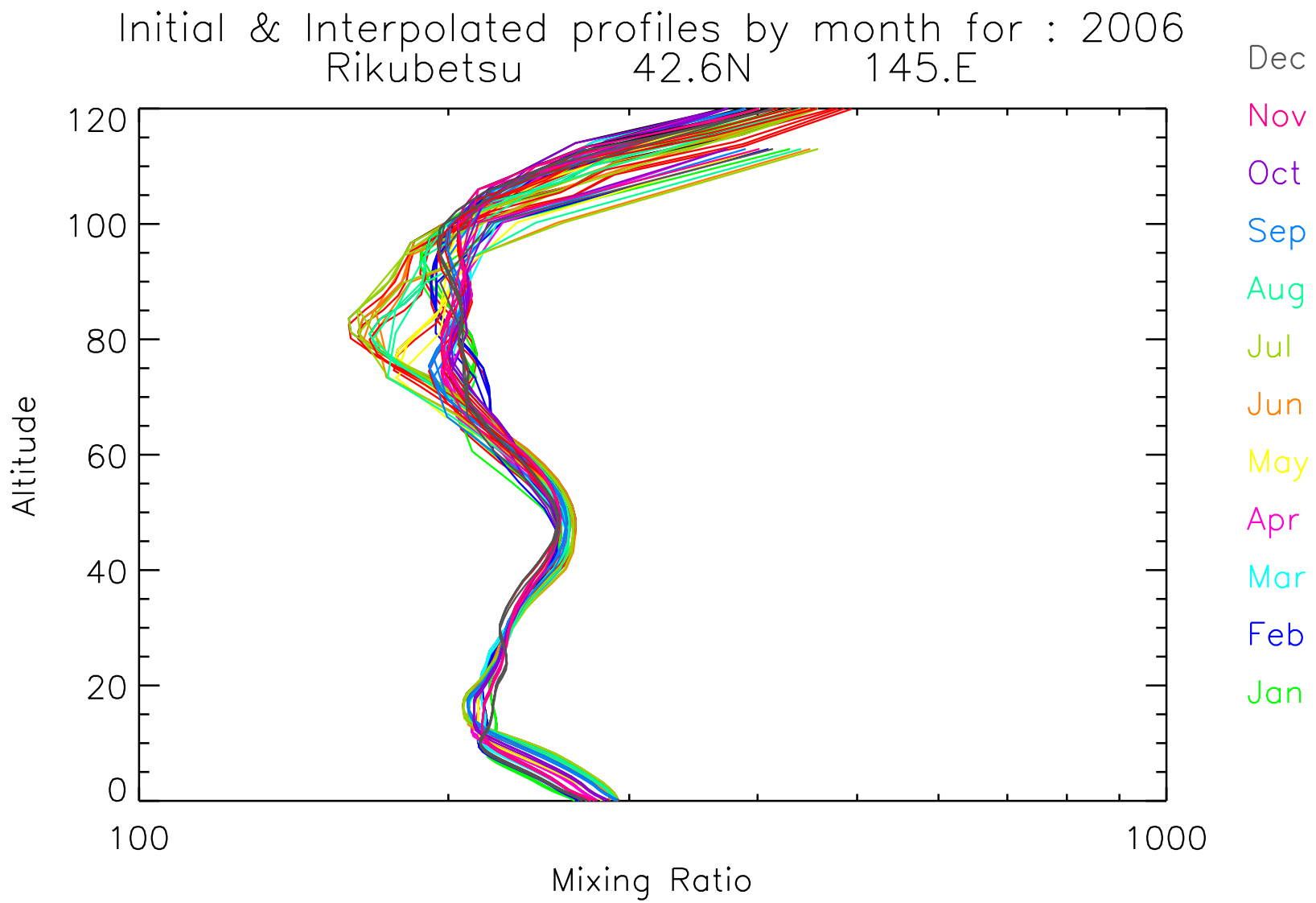
Initial & Interpolated profiles by month for : 2006
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Mixing Ratio
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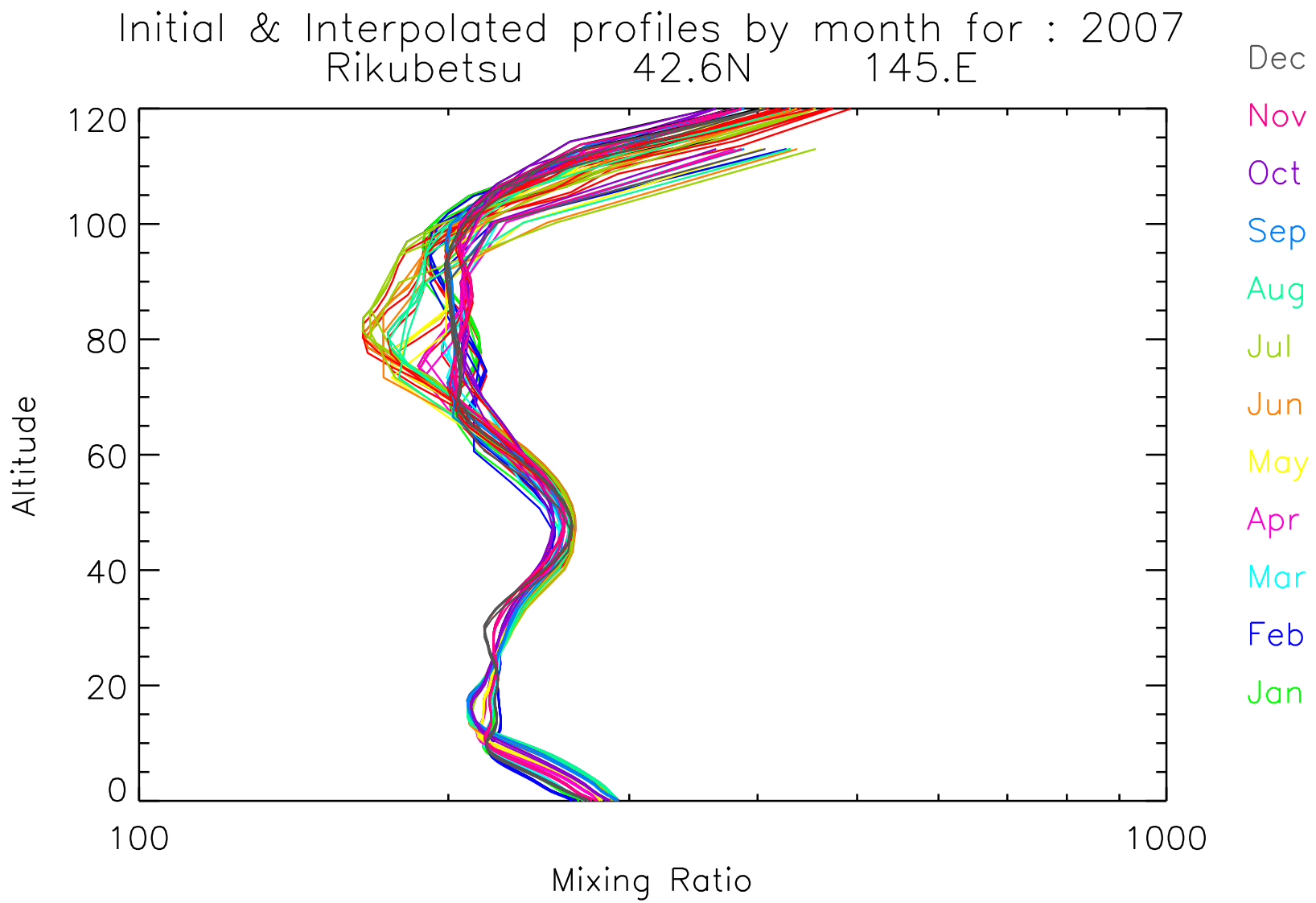
Initial & Interpolated profiles by month for : 2007
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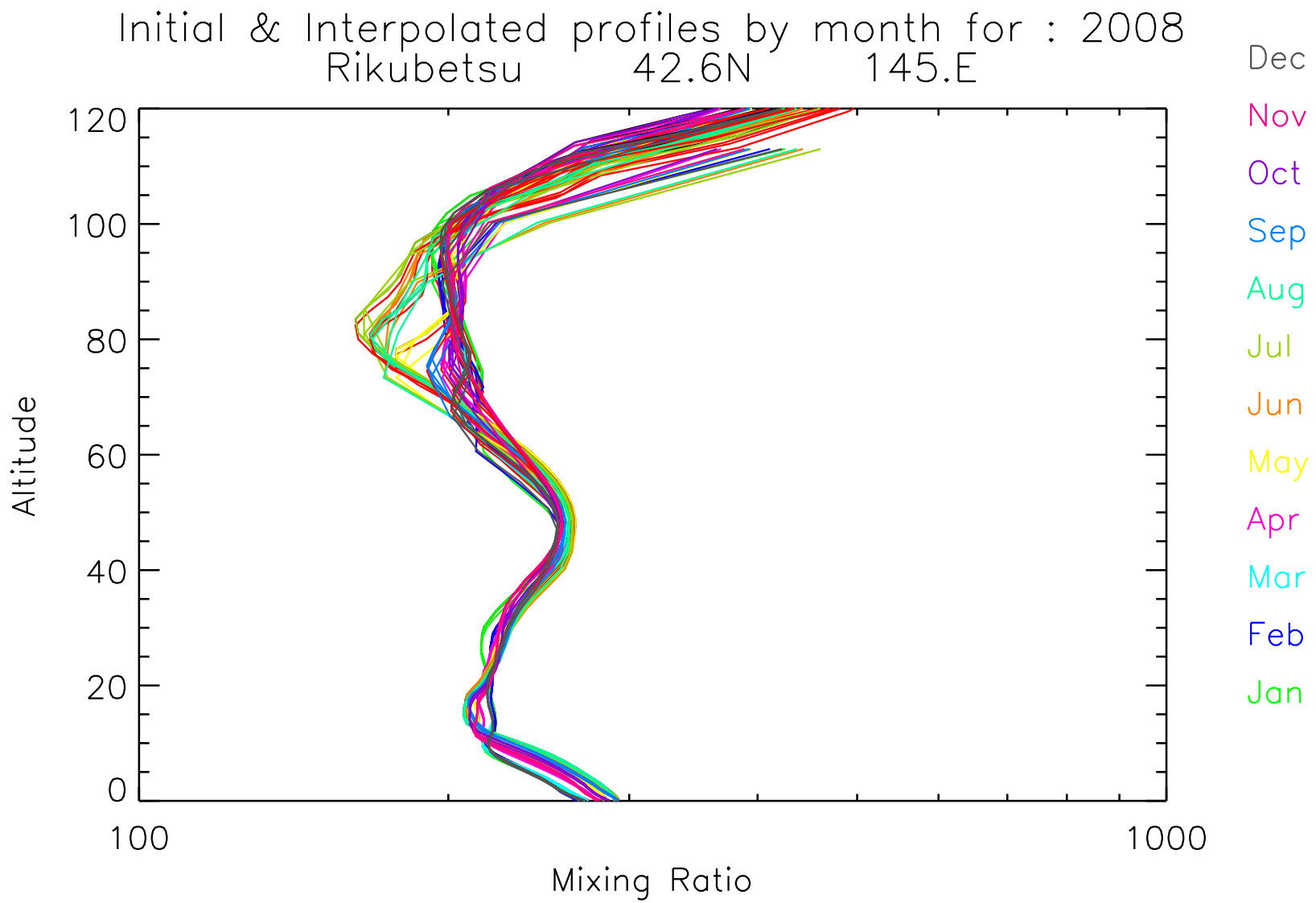
Initial & Interpolated profiles by month for : 2008
Rikubetsu 42.6N 145.E
Altitude
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Mixing Ratio
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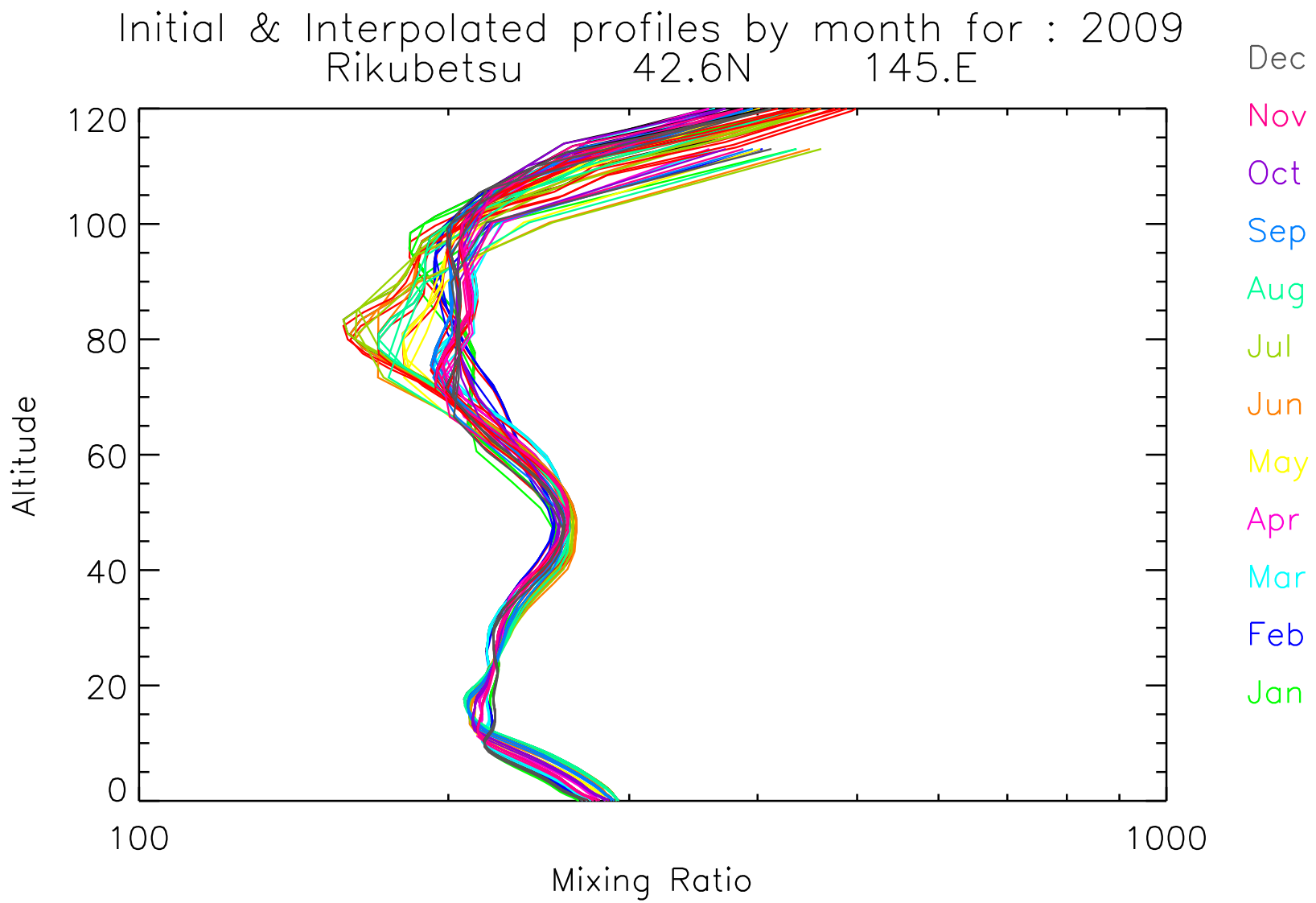
Initial & Interpolated profiles by month for : 2009
Rikubetsu 42.6N 145.E
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Mixing Ratio
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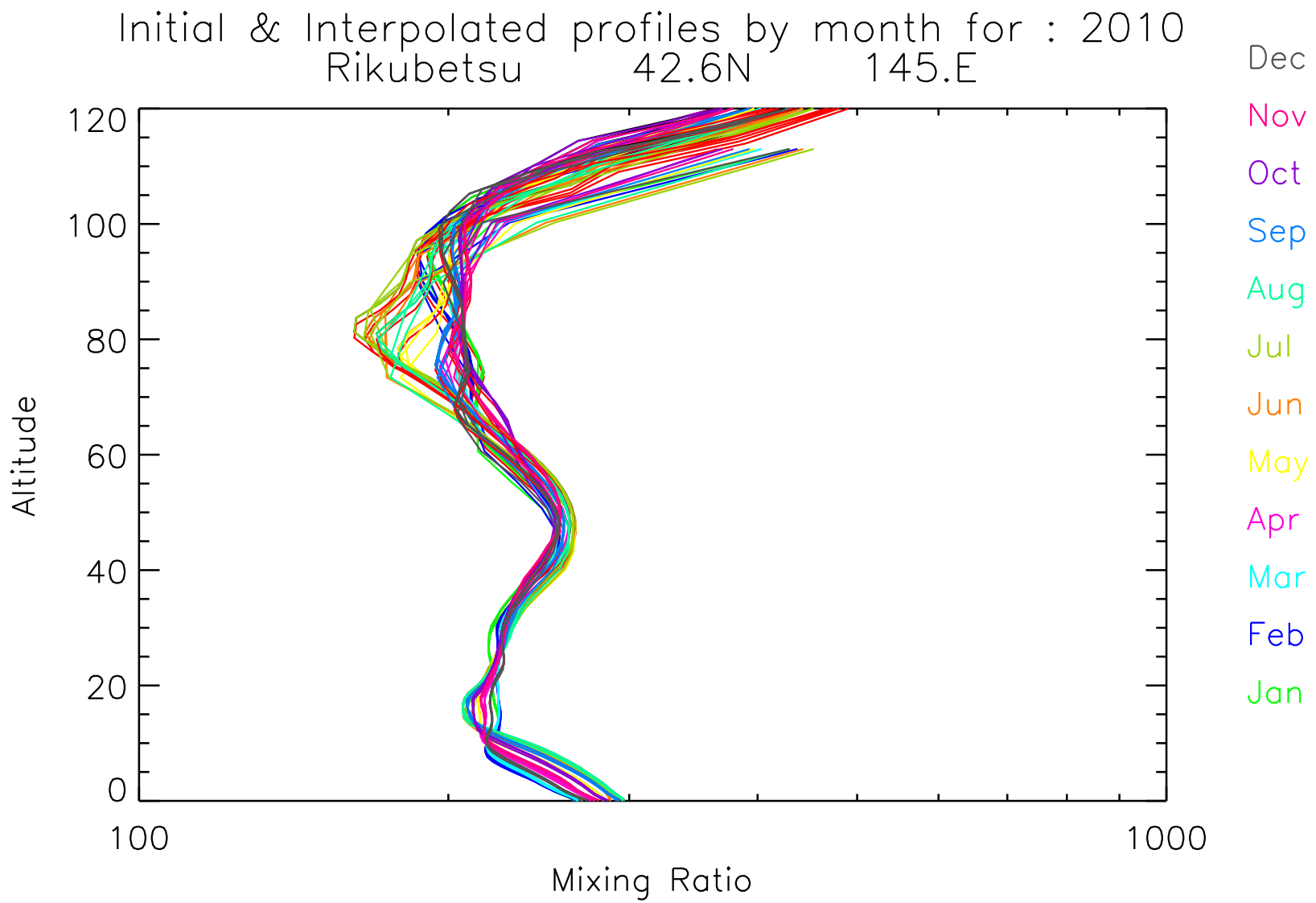
Initial & Interpolated profiles by month for : 2010
Rikubetsu 42.6N 145.E
Altitude
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Mixing Ratio
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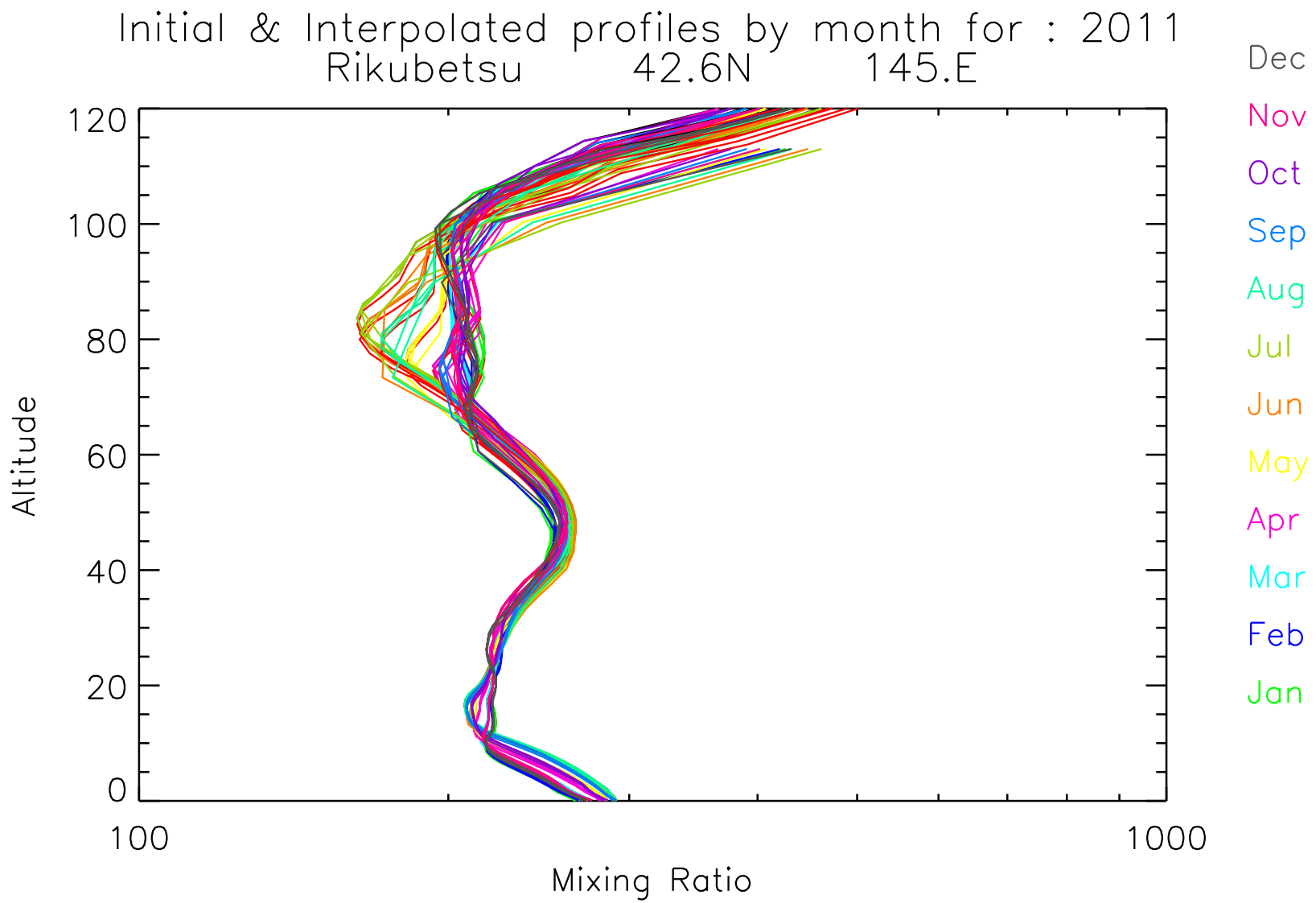
Initial & Interpolated profiles by month for : 2011
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Altitude
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Mixing Ratio
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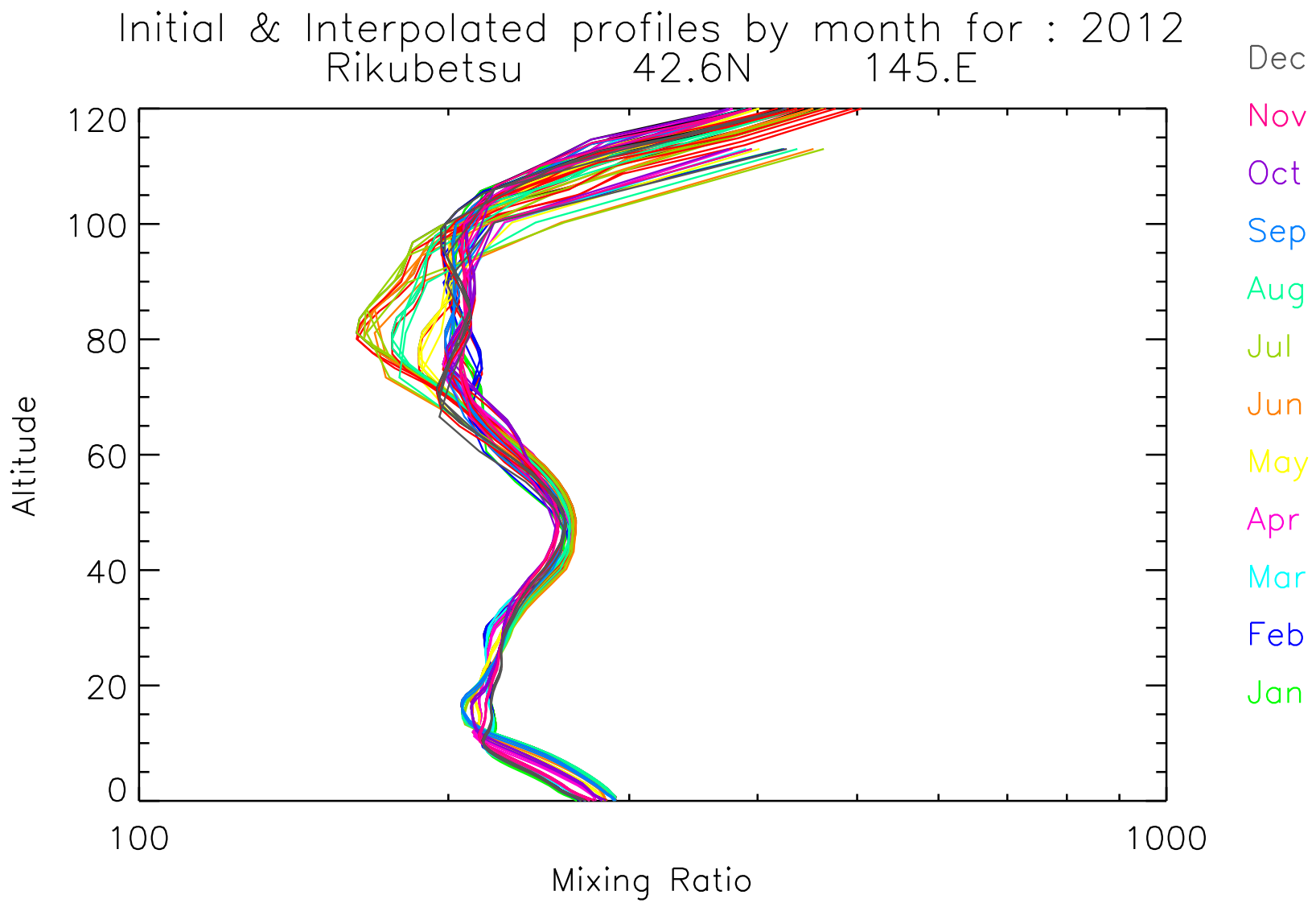
Initial & Interpolated profiles by month for : 2012
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Altitude
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Mixing Ratio
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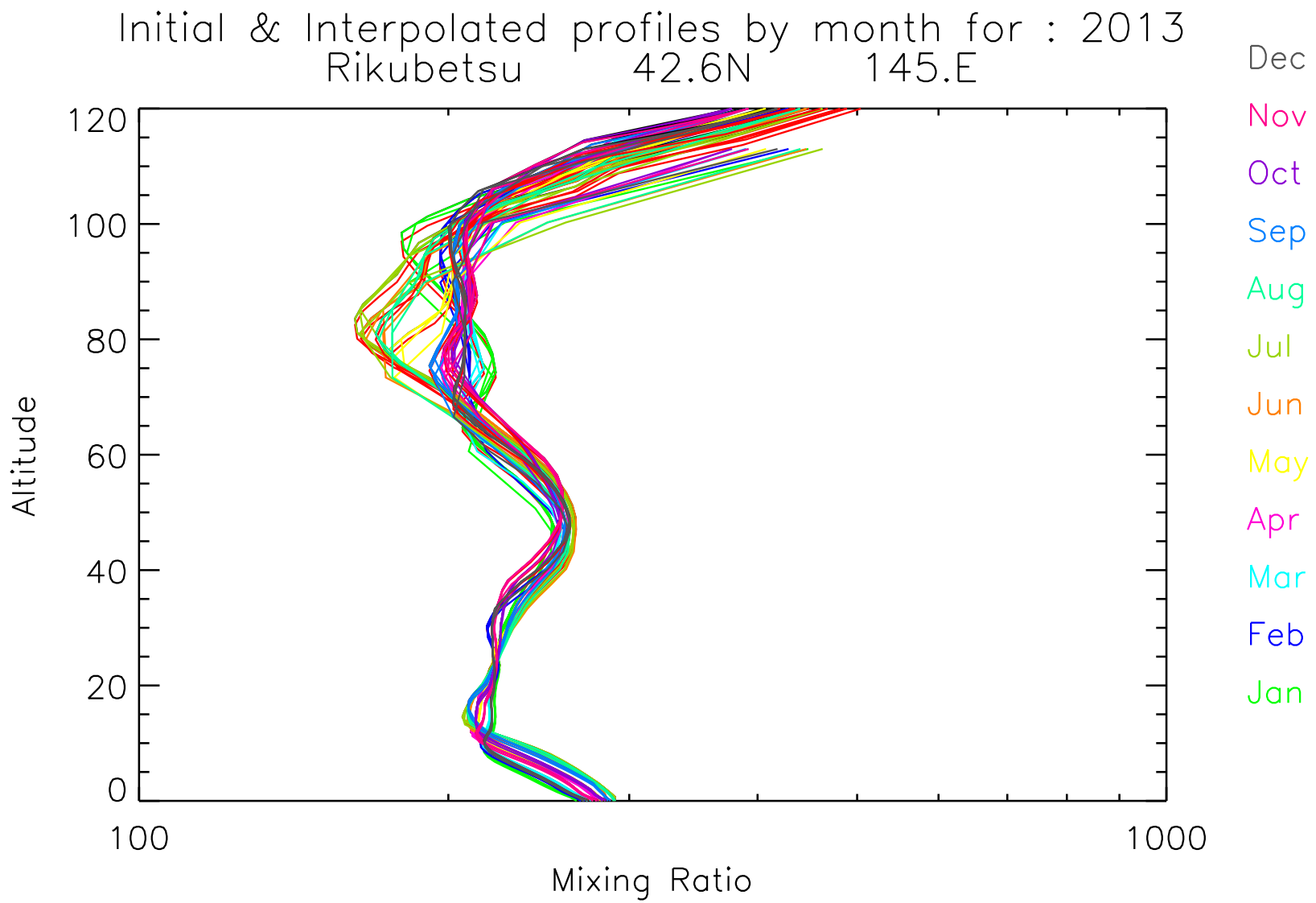
Initial & Interpolated profiles by month for : 2013
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Altitude
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Mixing Ratio
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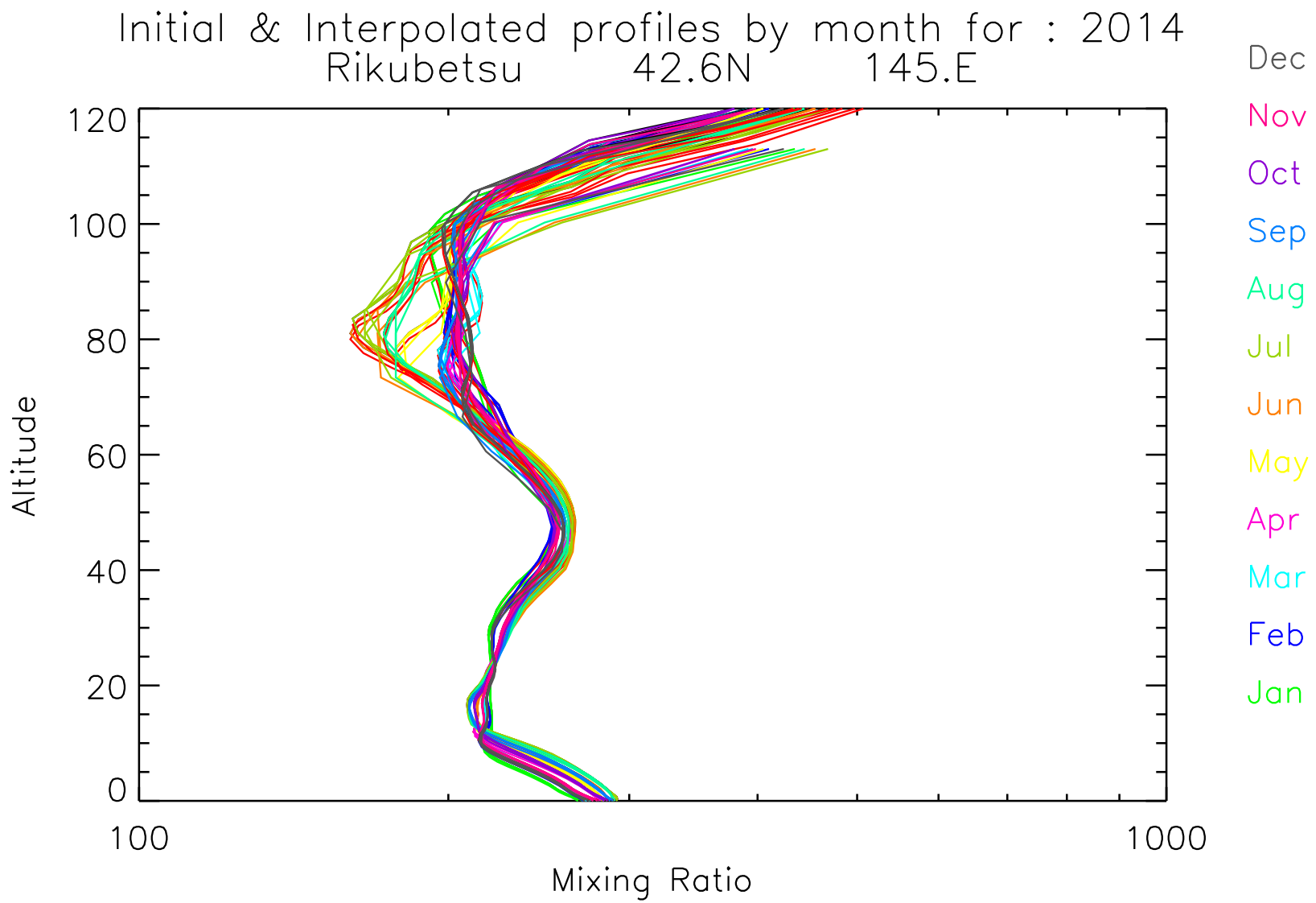
Initial & Interpolated profiles by month for : 2014
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Mixing Ratio
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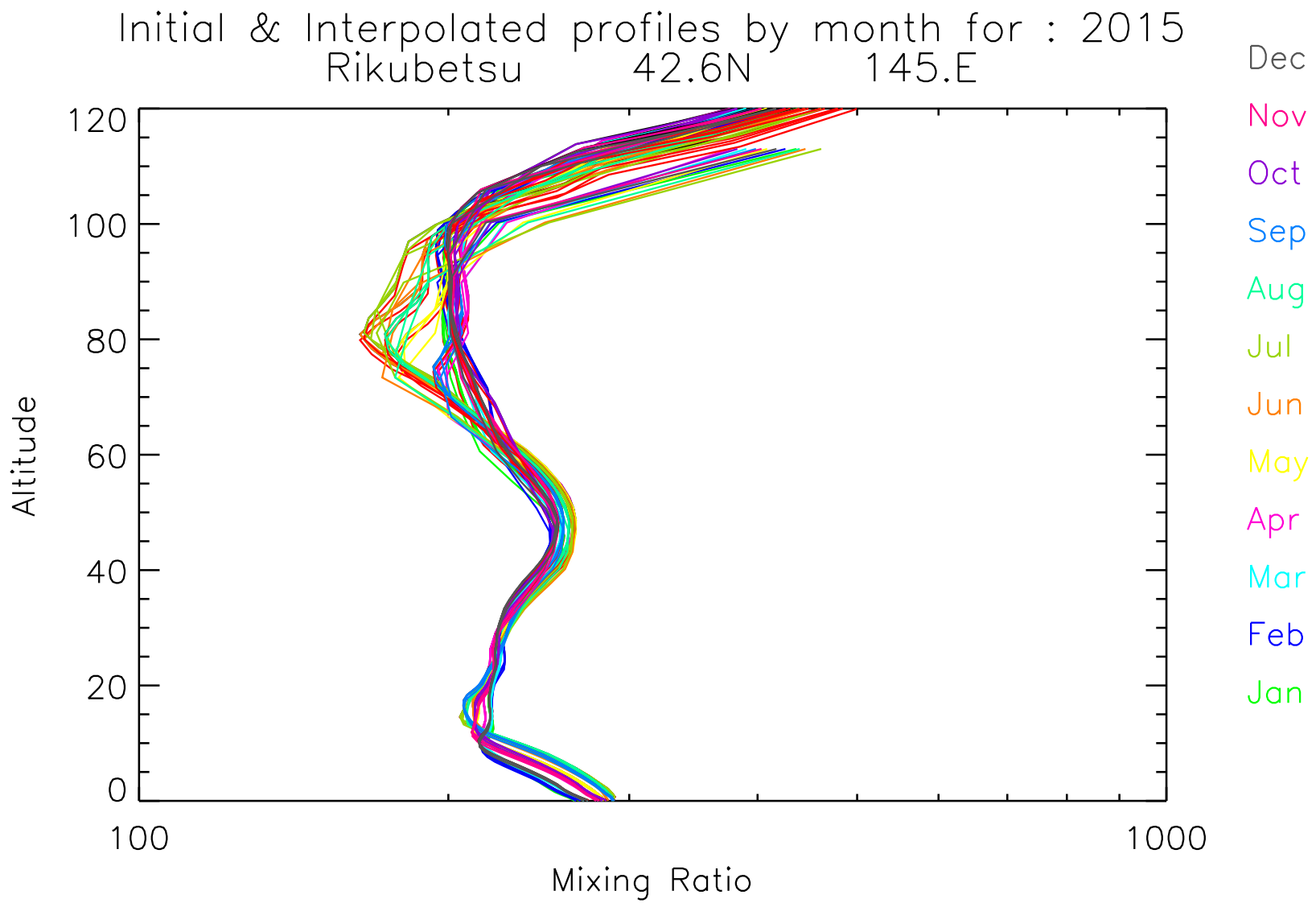
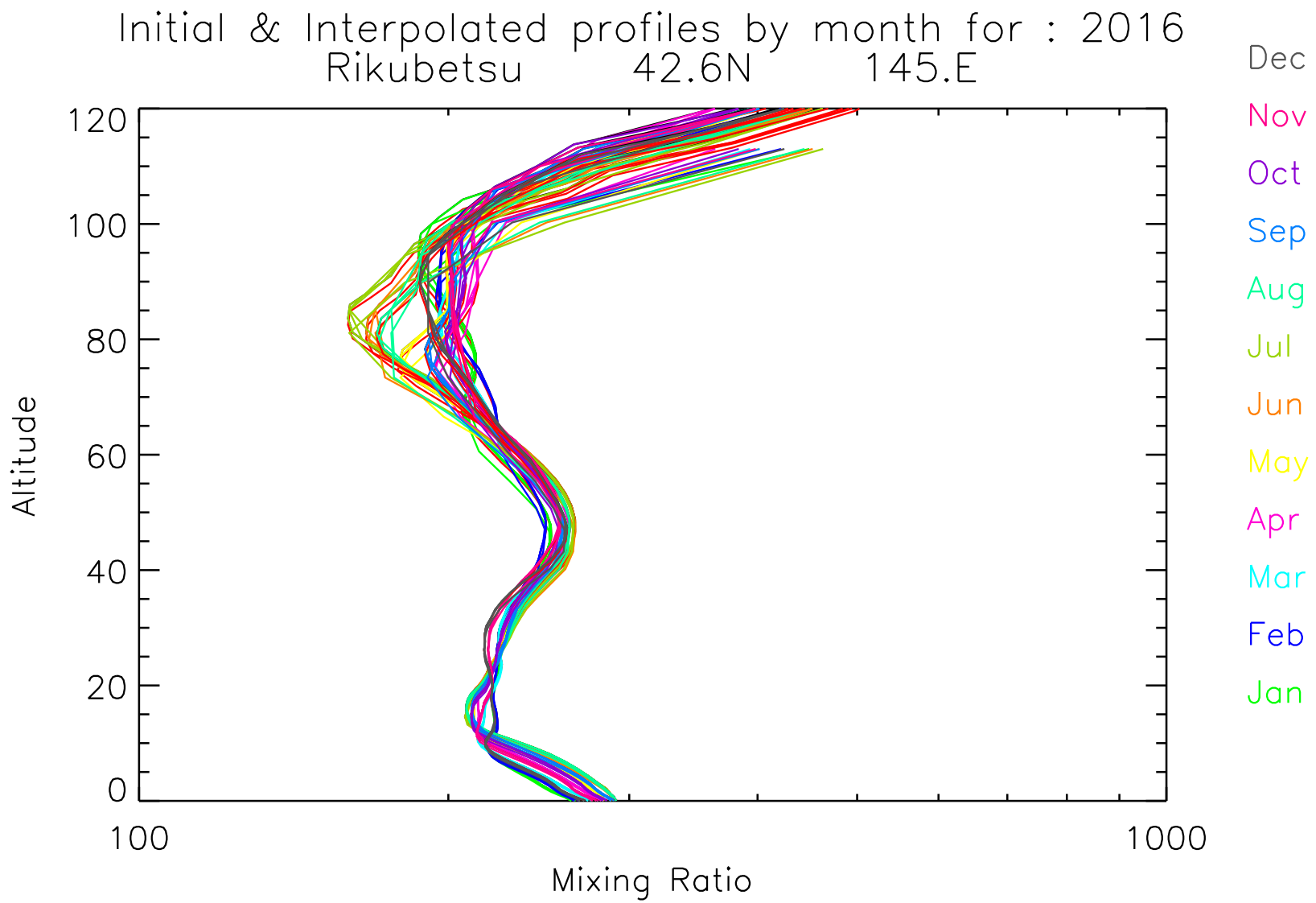
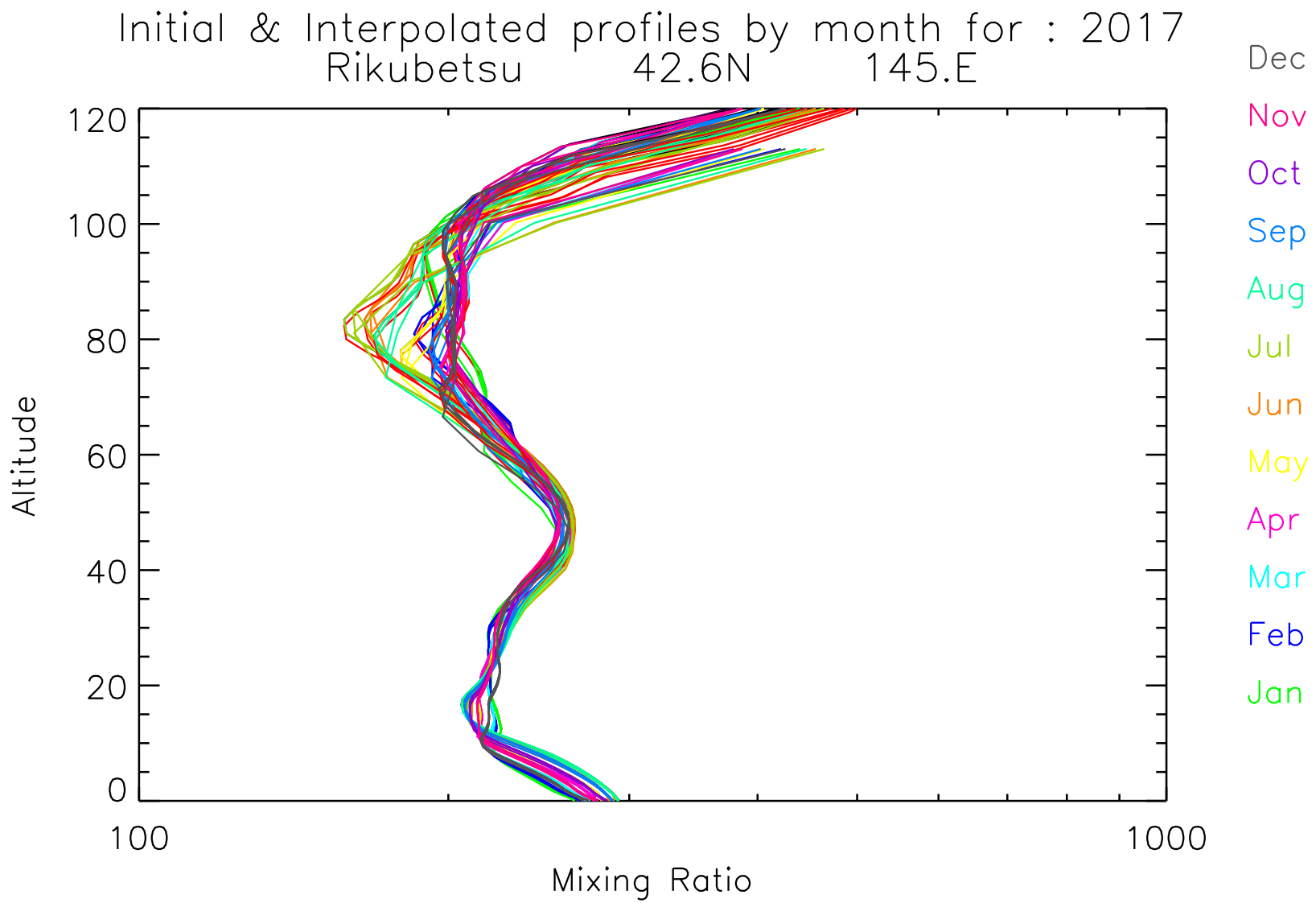
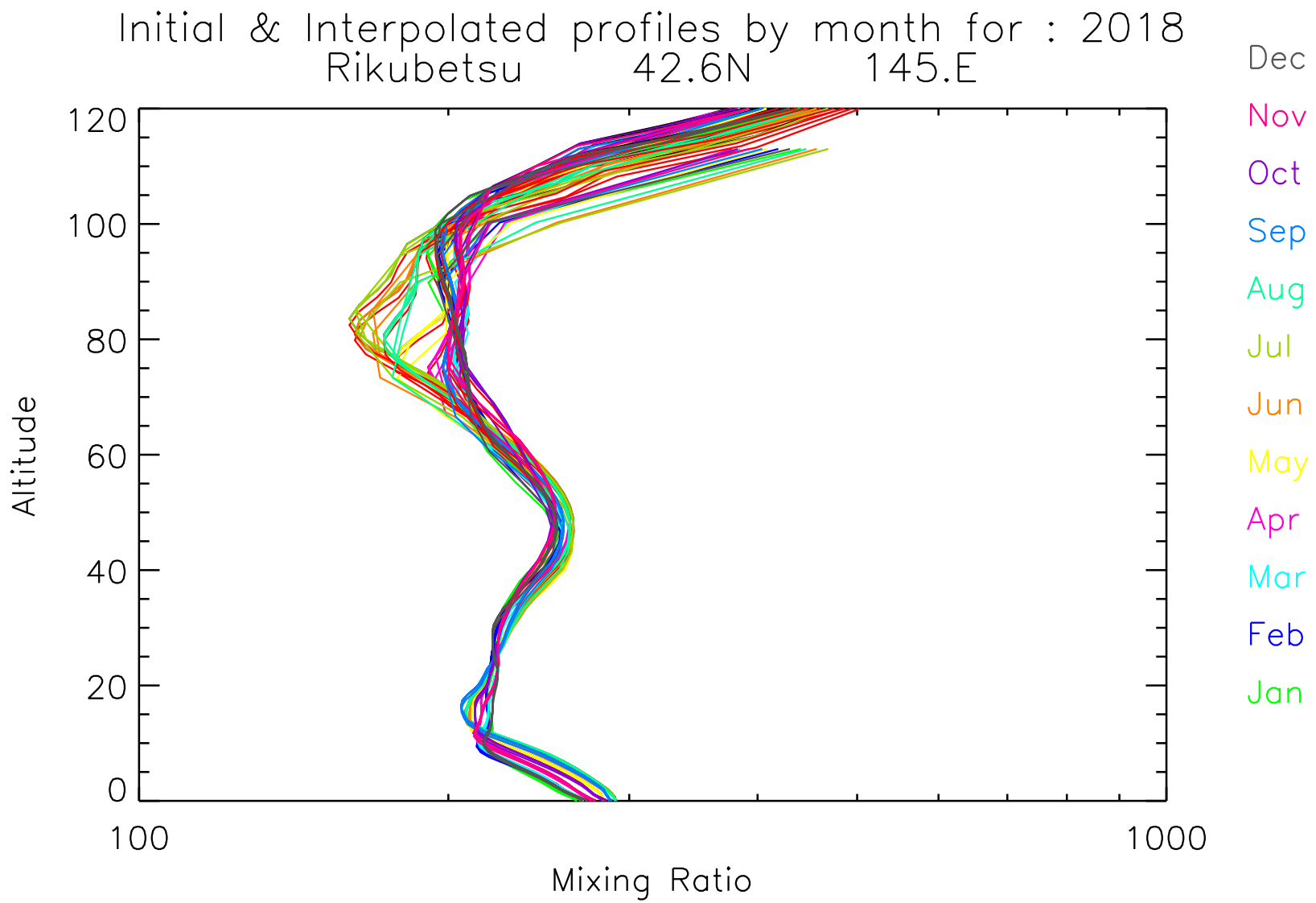
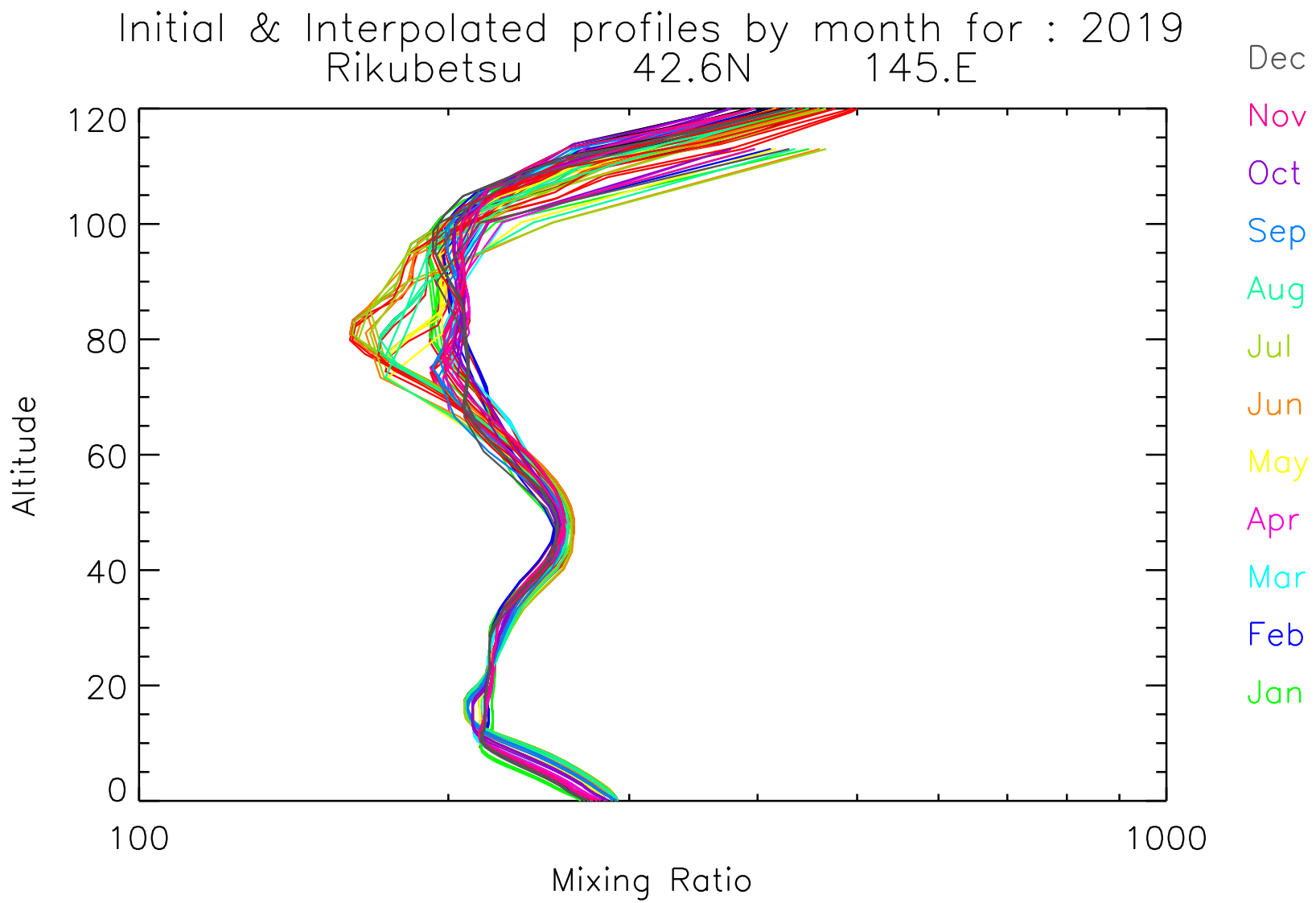
Feb
Jan

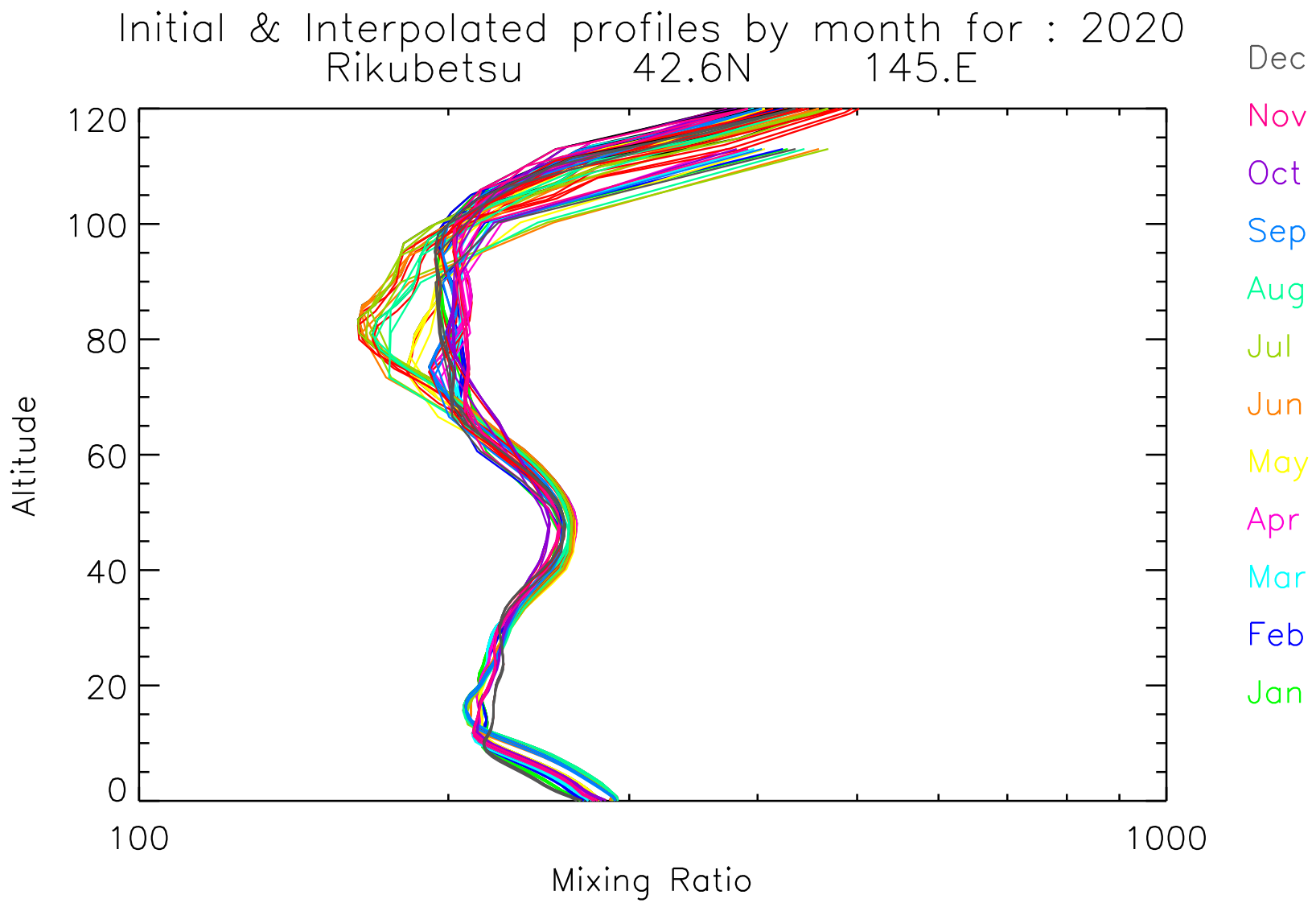

Initial & Interpolated profiles by month for : 2015
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

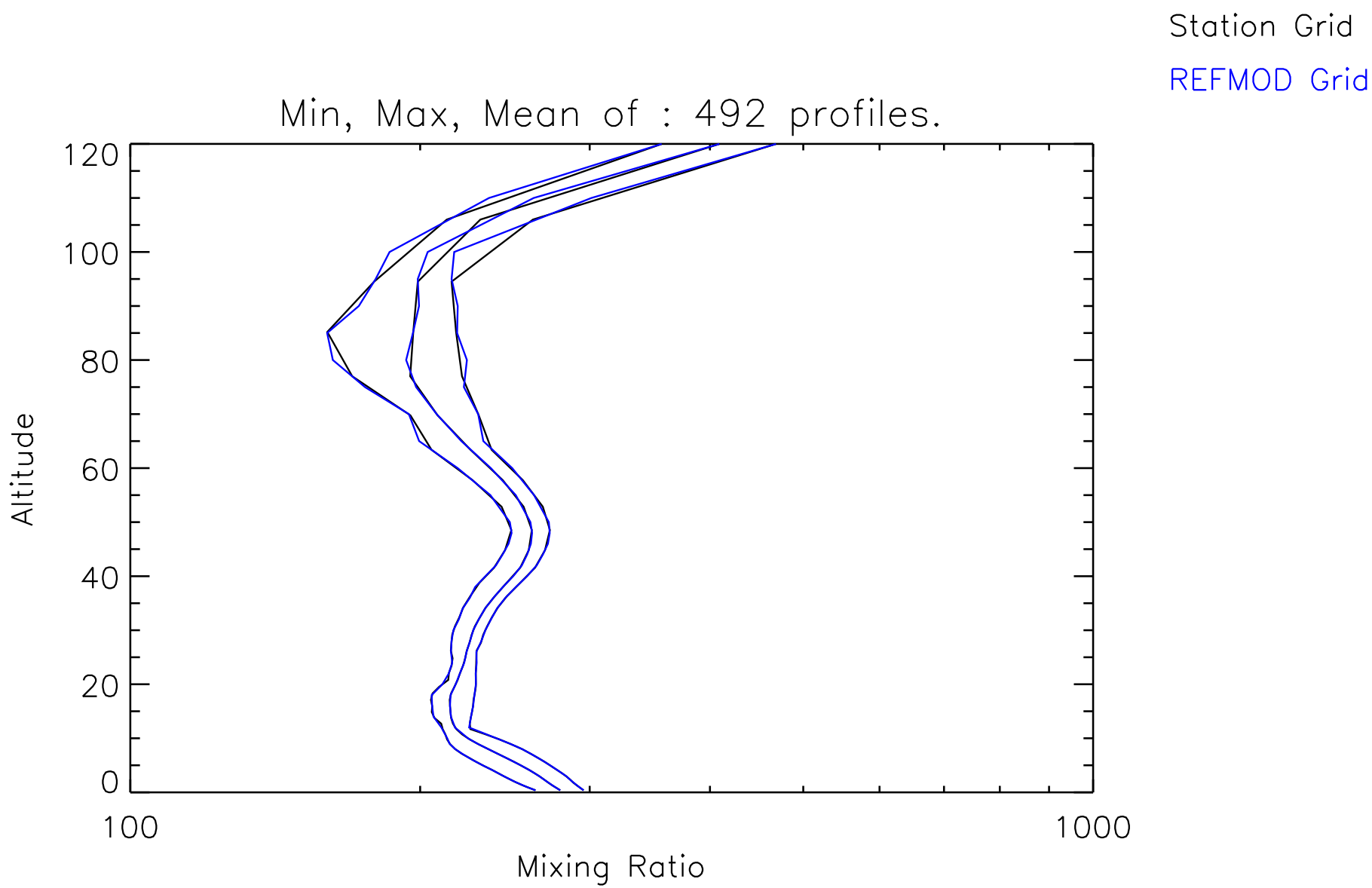

Initial & Interpolated profiles by month for : 2016
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

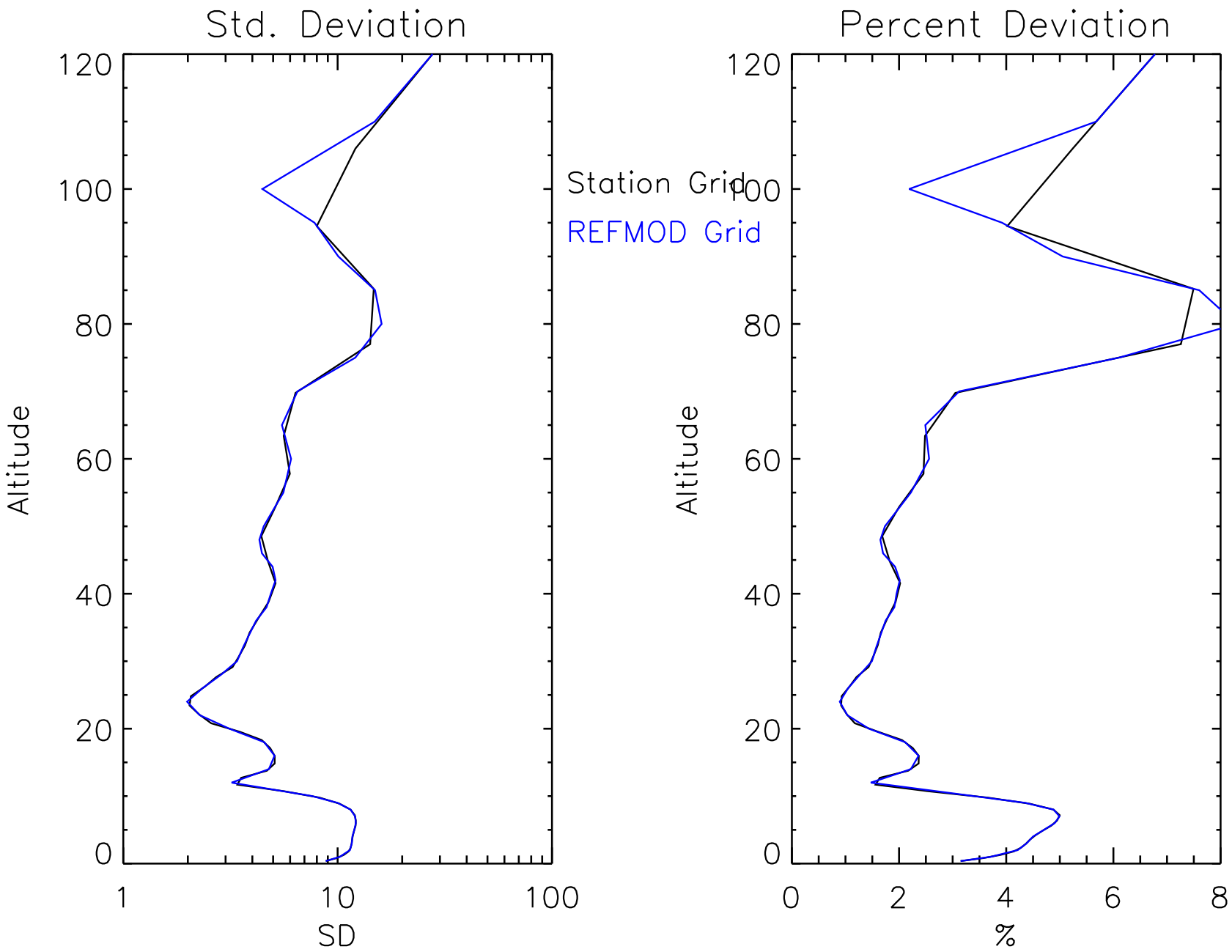

Initial & Interpolated profiles by month for : 2017
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

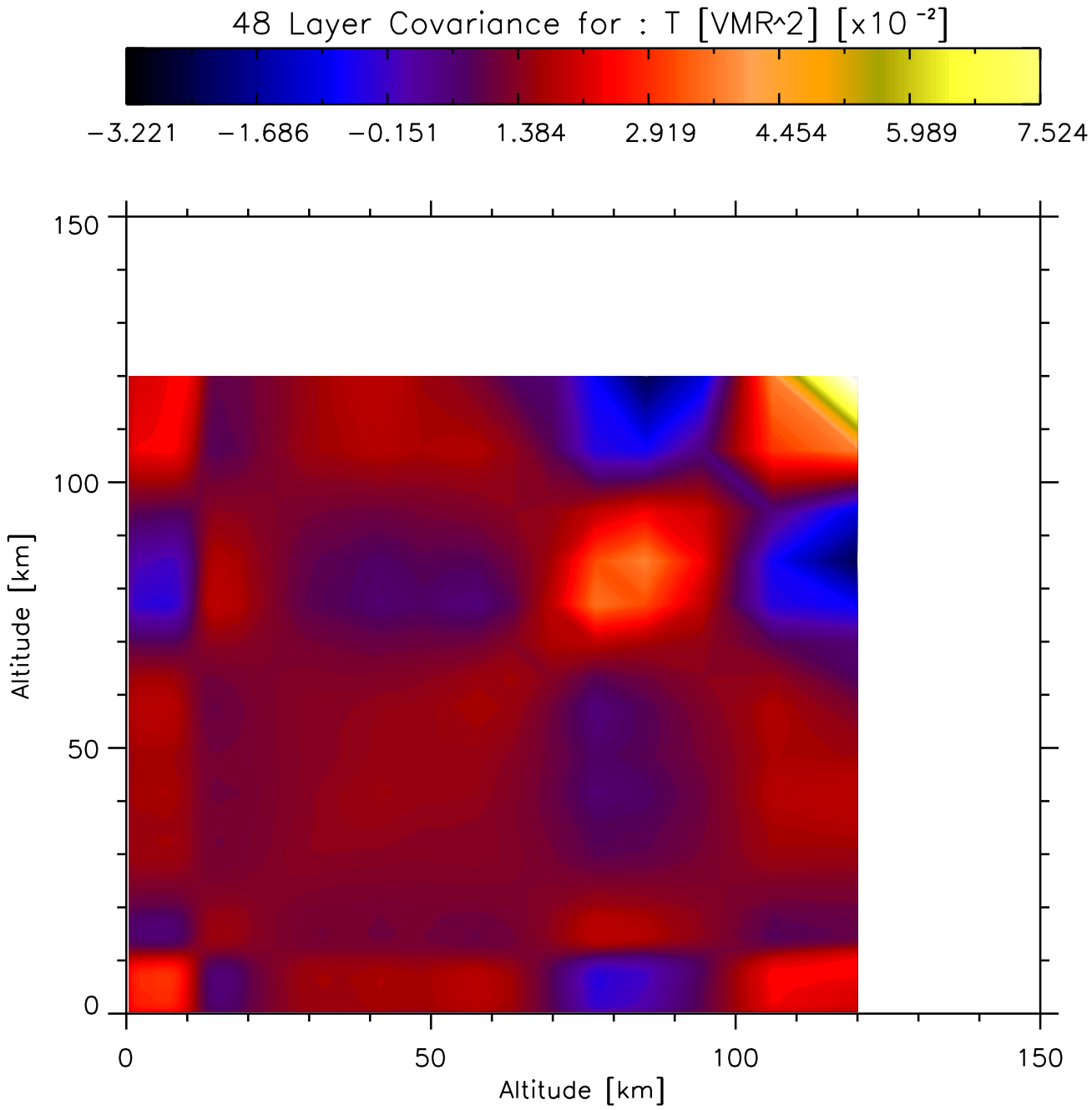

Initial & Interpolated profiles by month for : 2018
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

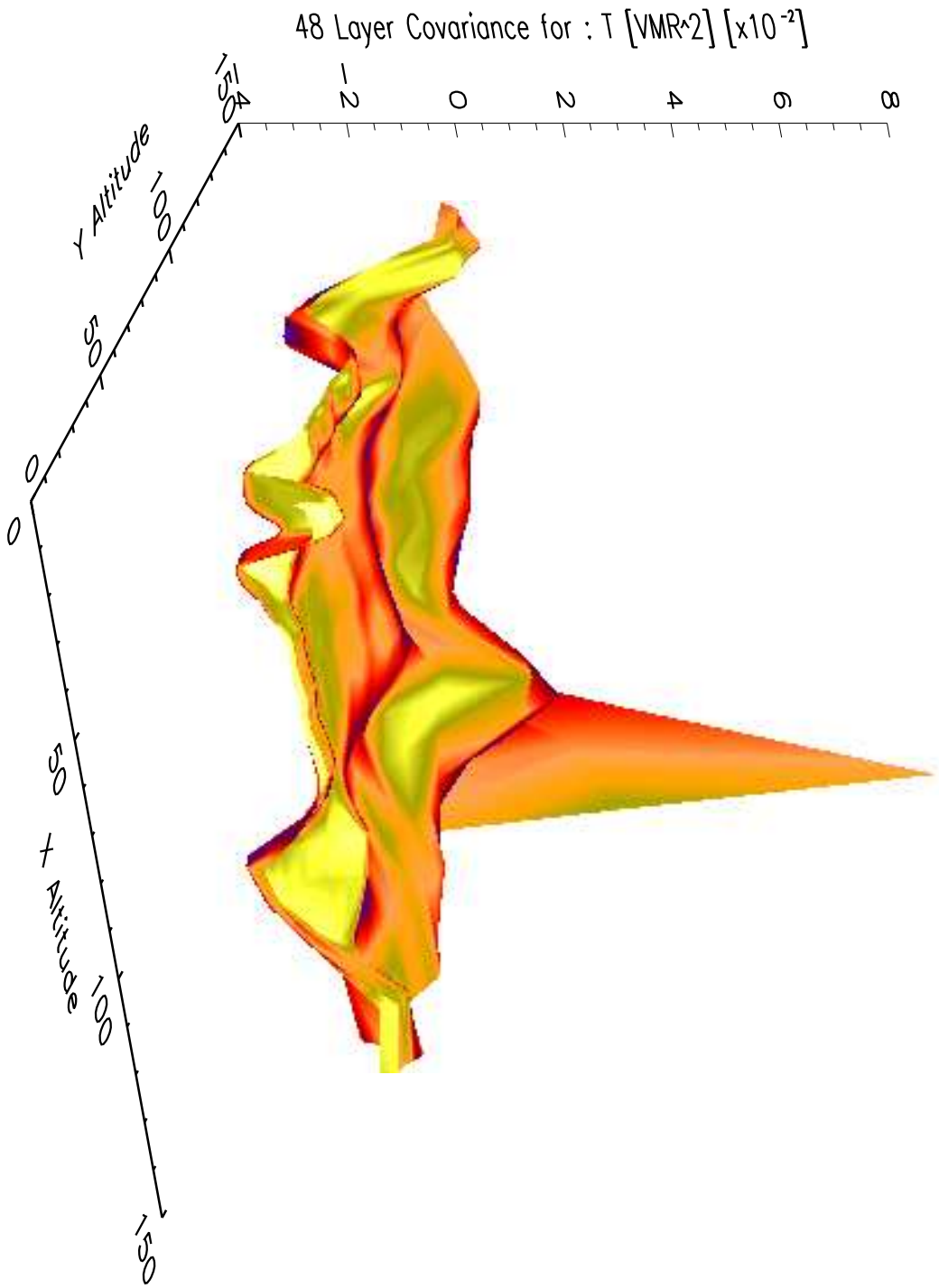

Initial & Interpolated profiles by month for : 2019
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

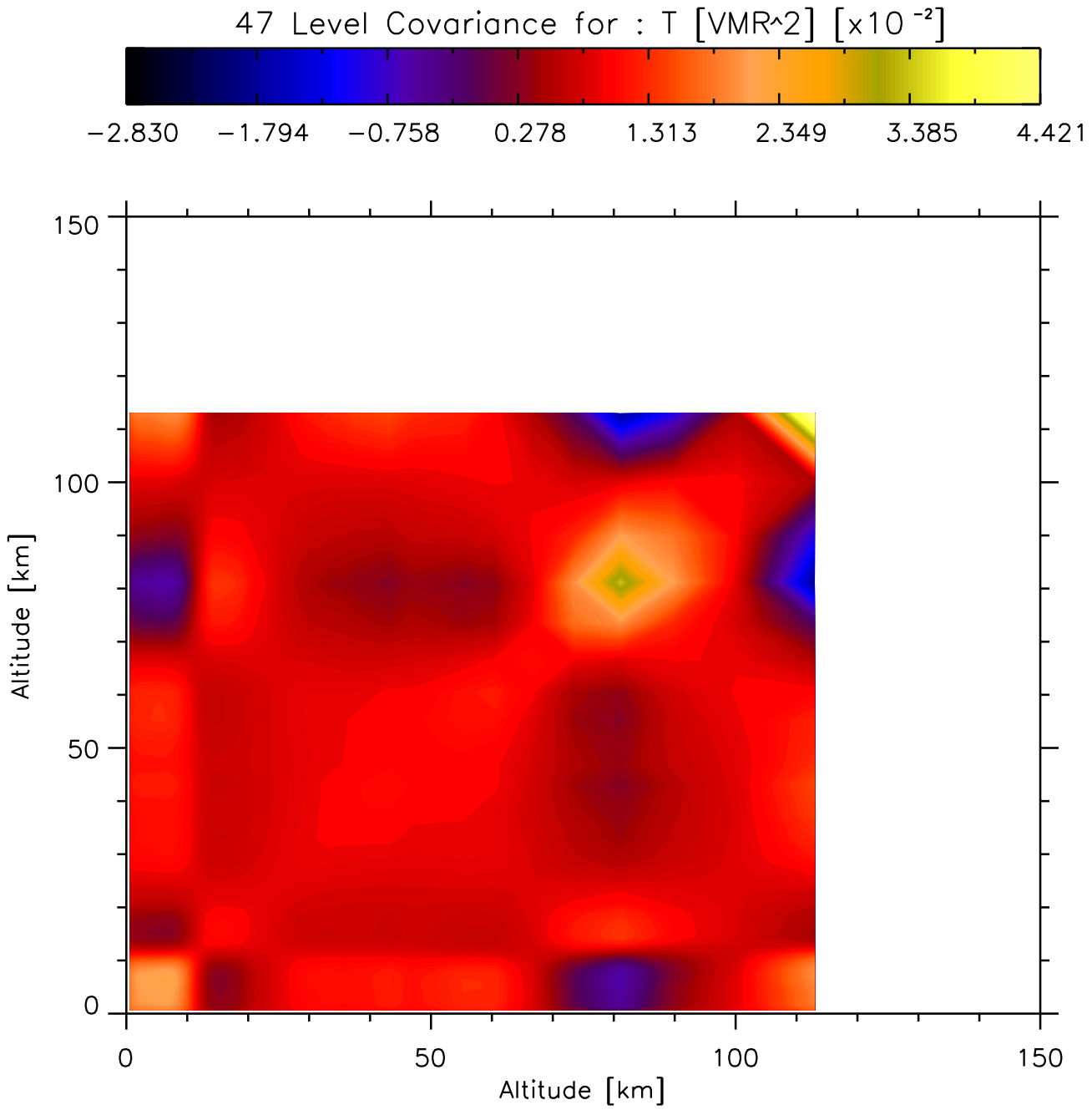

Initial & Interpolated profiles by month for : 2020
Rikubetsu 42.6N 145.E
Altitude
120
100
80
60
40
20
0
100
1000
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

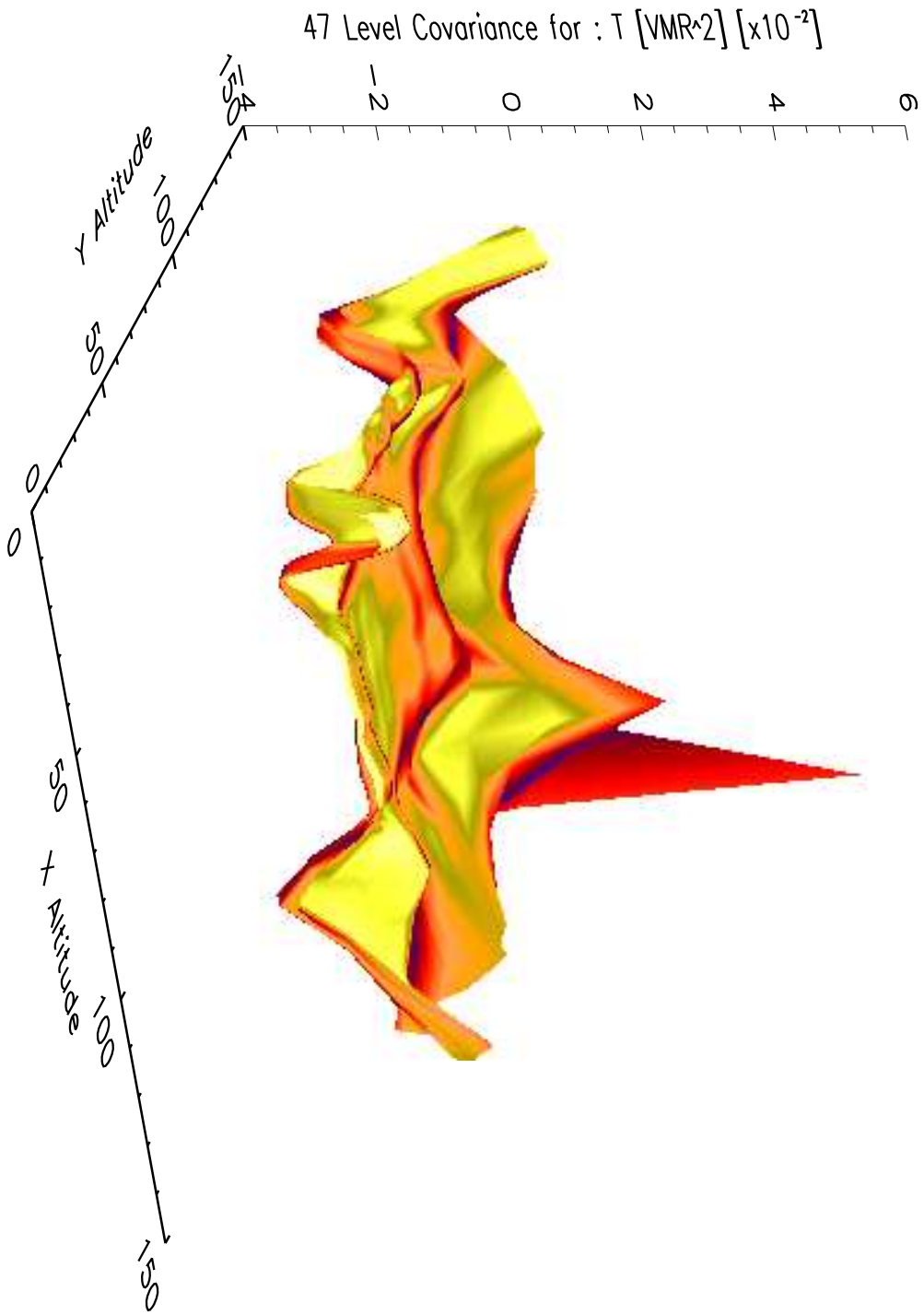

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
100
1000
Mixing Ratio


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
%


48 Layer Covariance for : T [VMR^2] [x10 -2]
-3.221
-1.686
-0.151
1.384
2.919
4.454
5.989
7.524
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


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


47 Level Covariance for : T [VMR^2] [x10 -2]
-2.830
-1.794
-0.758
0.278
1.313
2.349
3.385
4.421
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


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