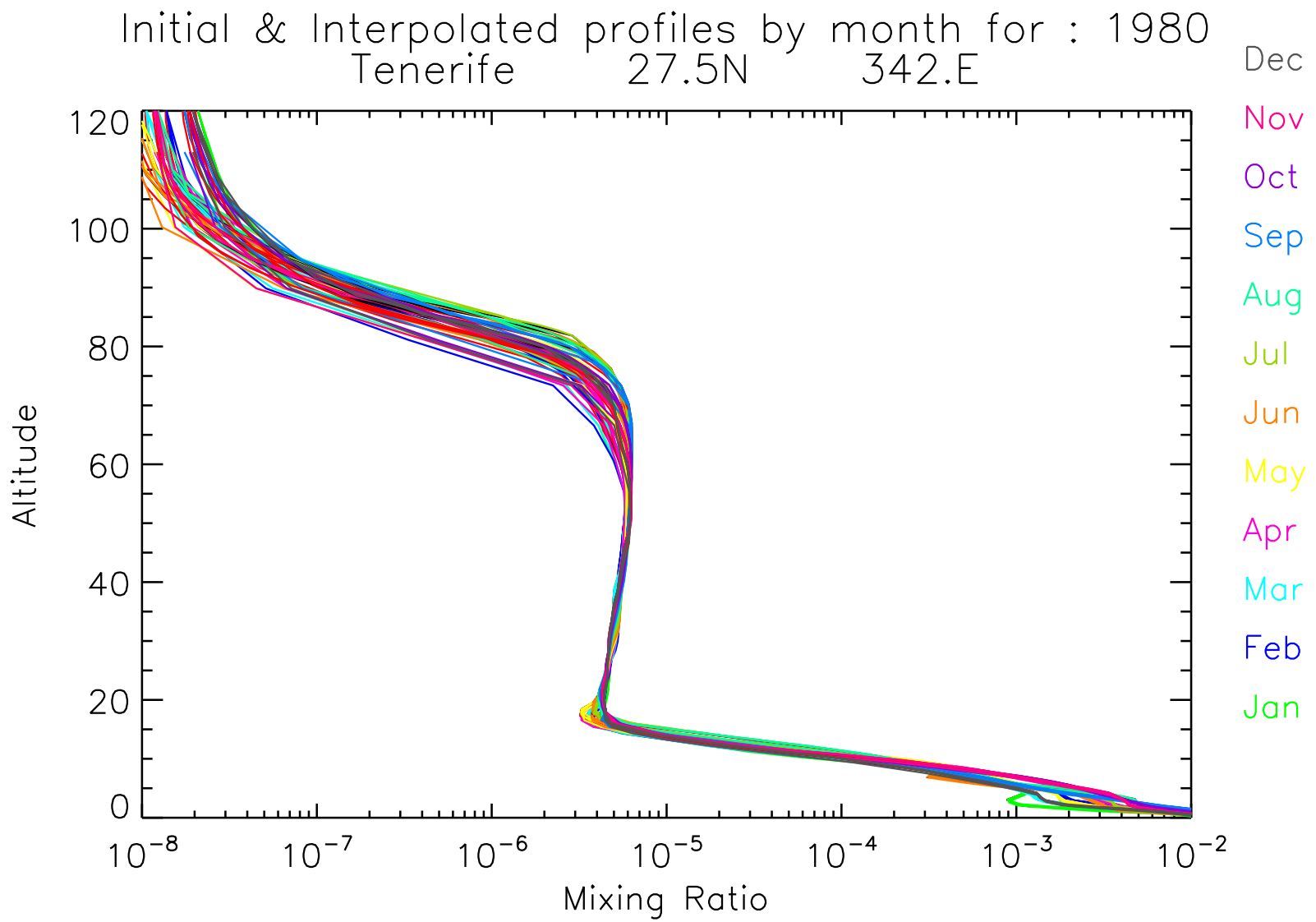
Initial & Interpolated profiles by month for : 1980
Tenerife 27.5N 342.E
Altitude
120
100
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10^{-8}
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Mixing Ratio
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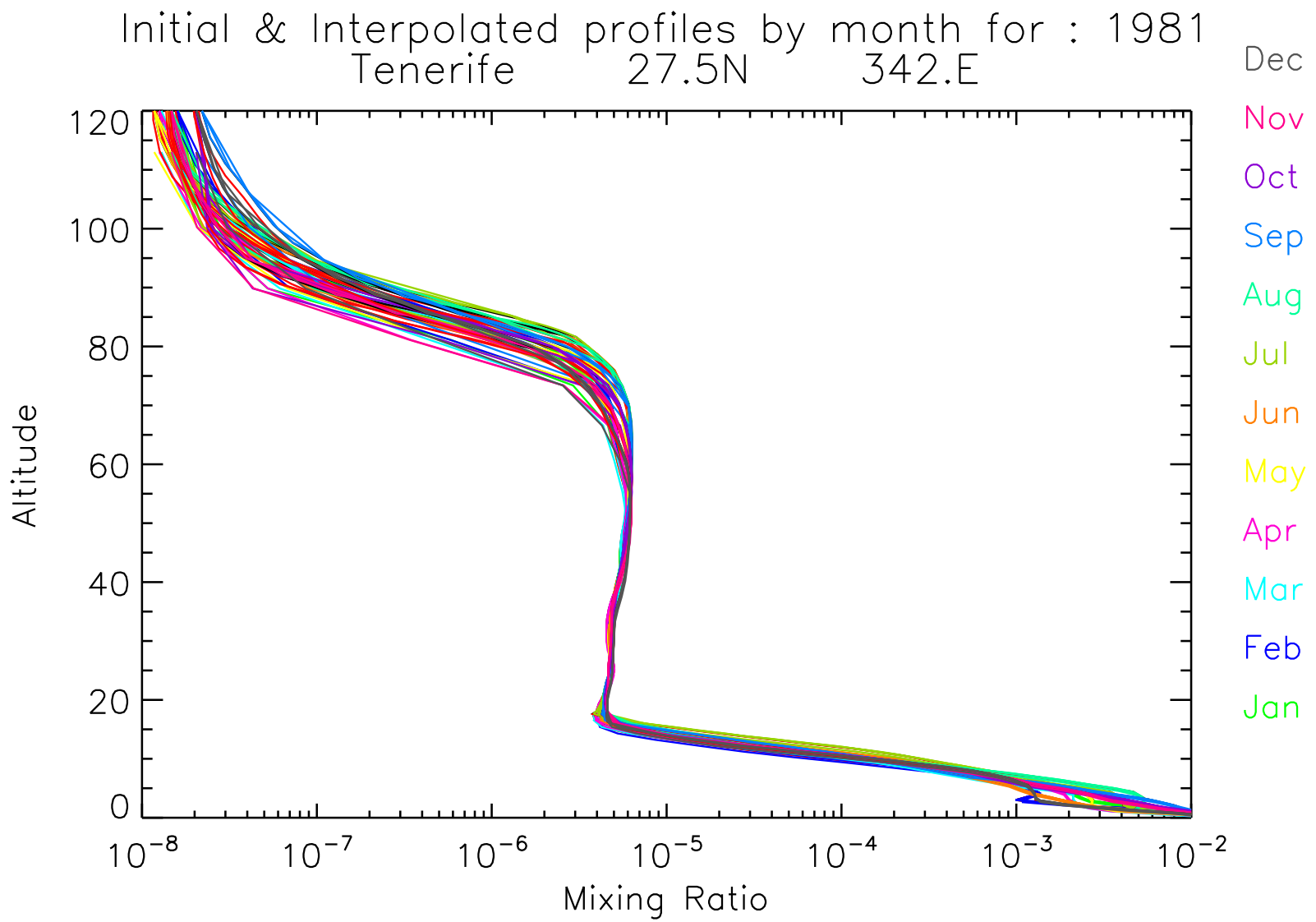
Initial & Interpolated profiles by month for : 1981
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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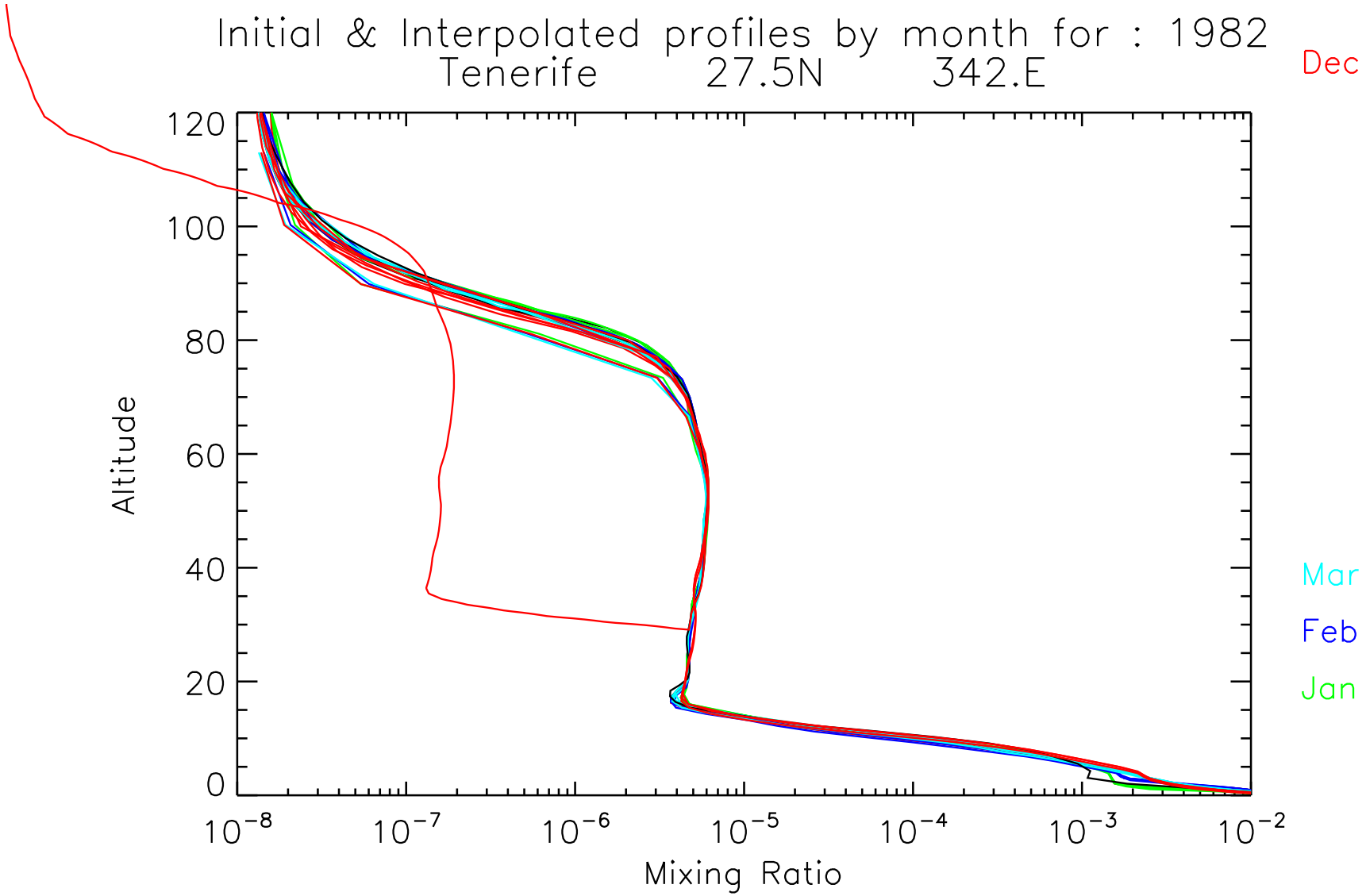
Initial & Interpolated profiles by month for : 1982
Tenerife 27.5N 342.E
Dec
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Altitude
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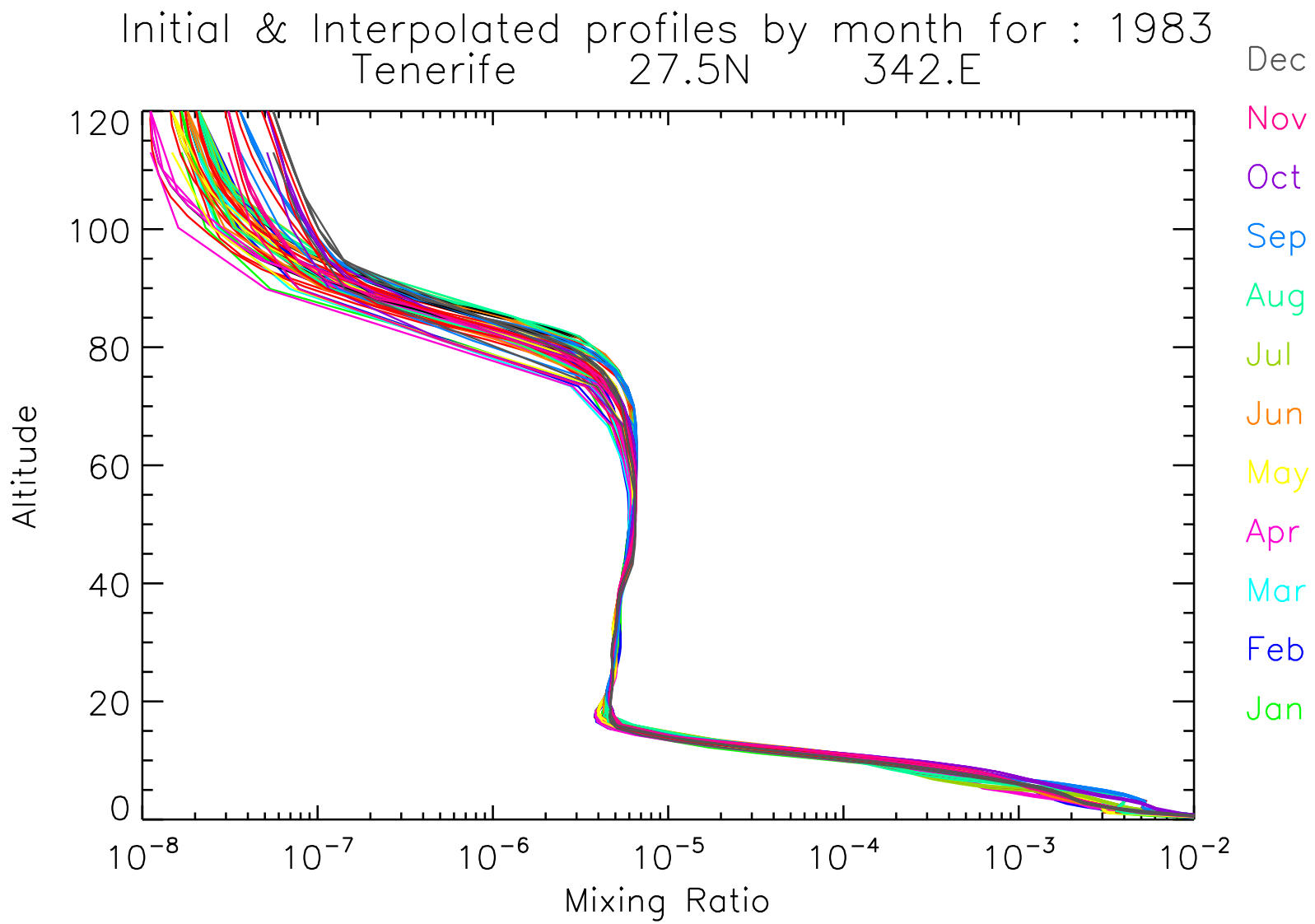
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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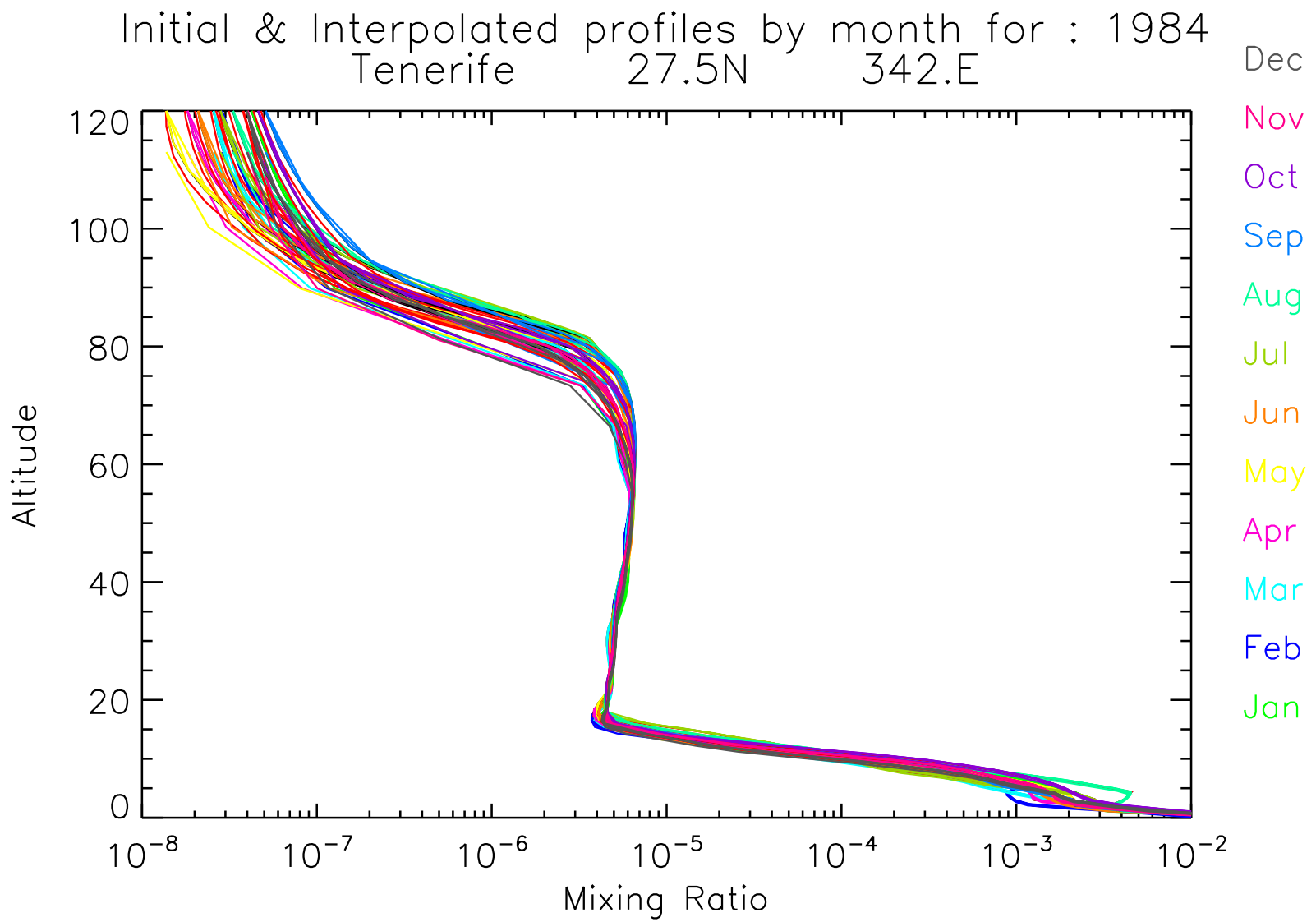
Initial & Interpolated profiles by month for : 1984
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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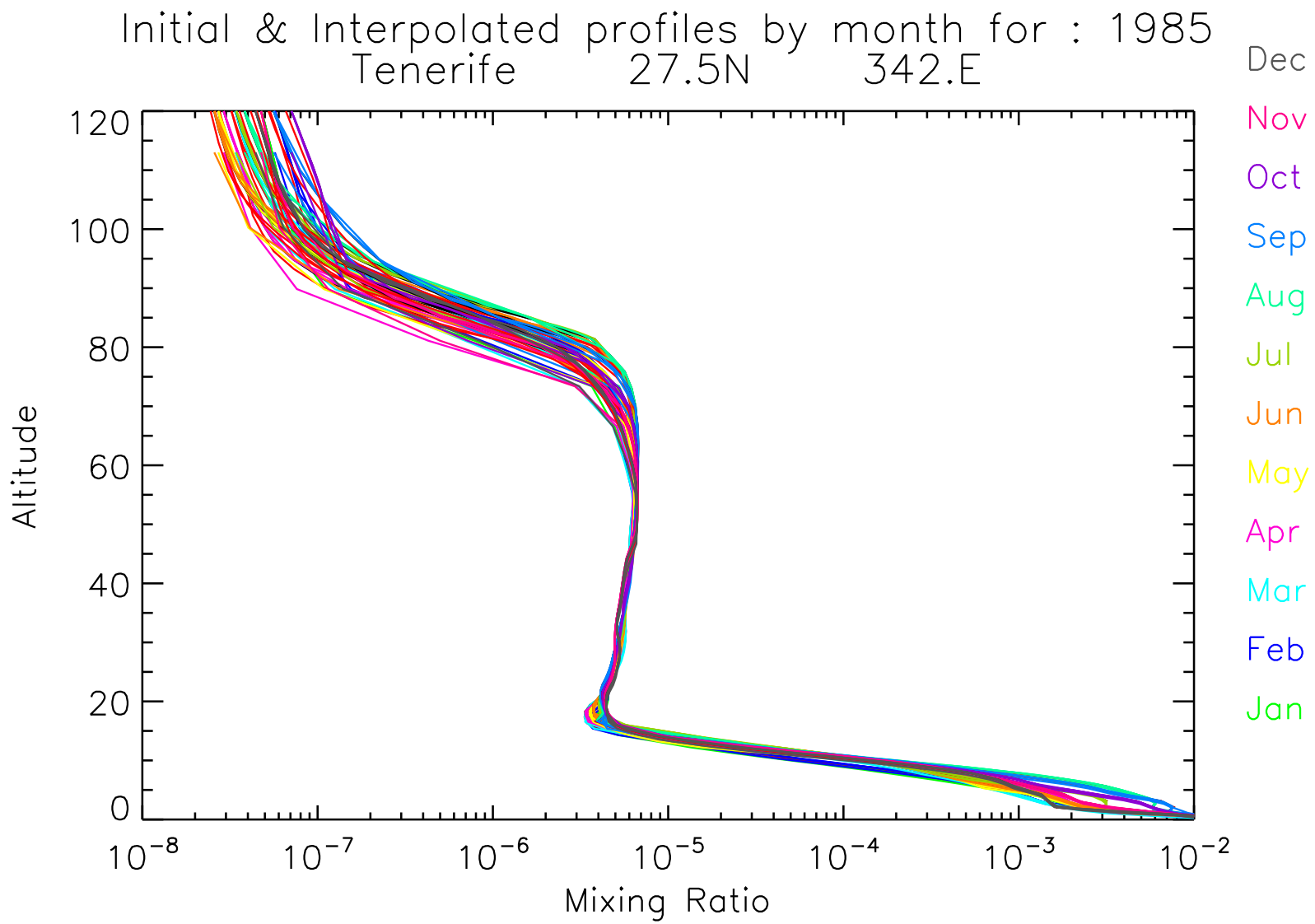
Initial & Interpolated profiles by month for : 1985
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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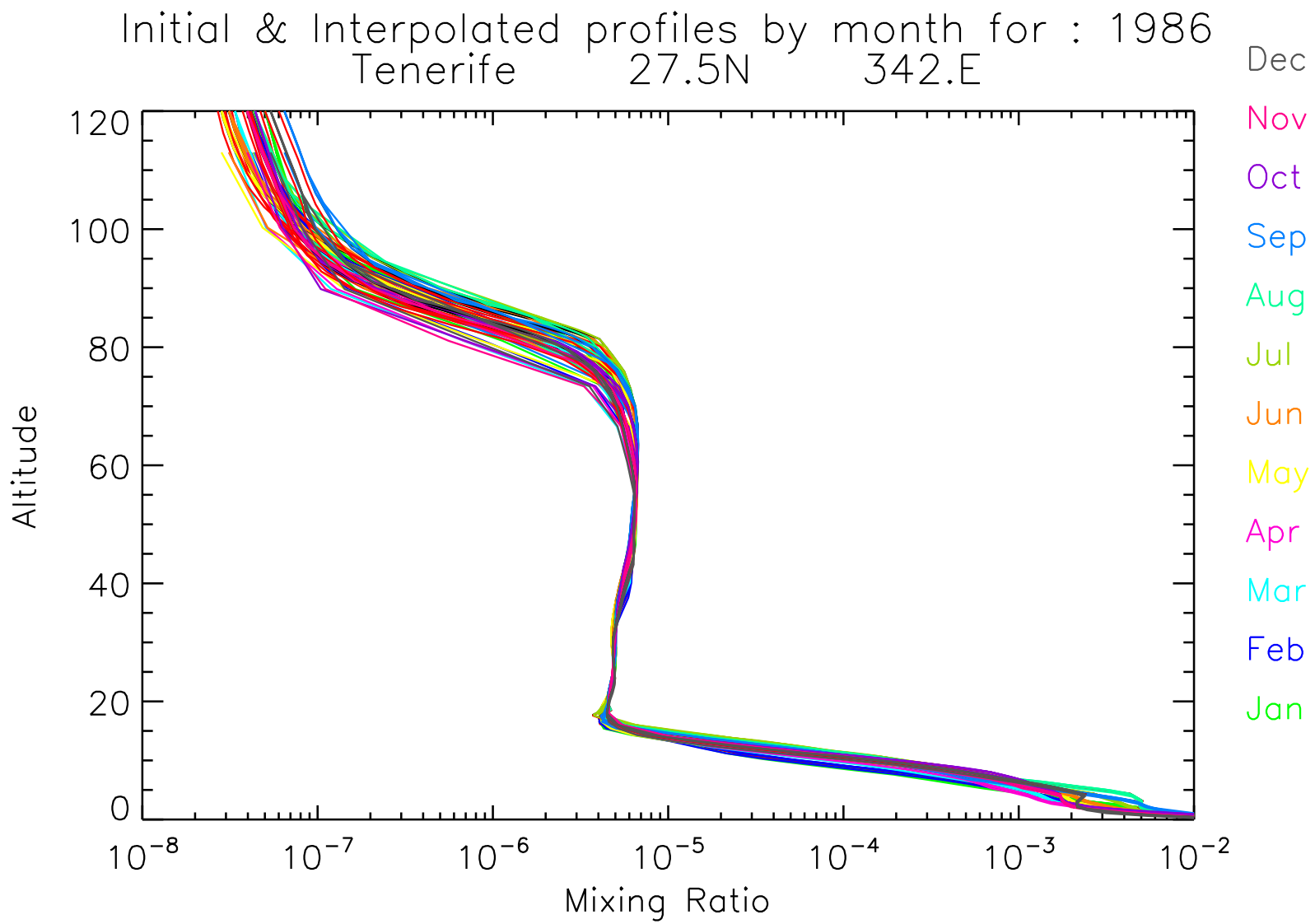
Initial & Interpolated profiles by month for : 1986
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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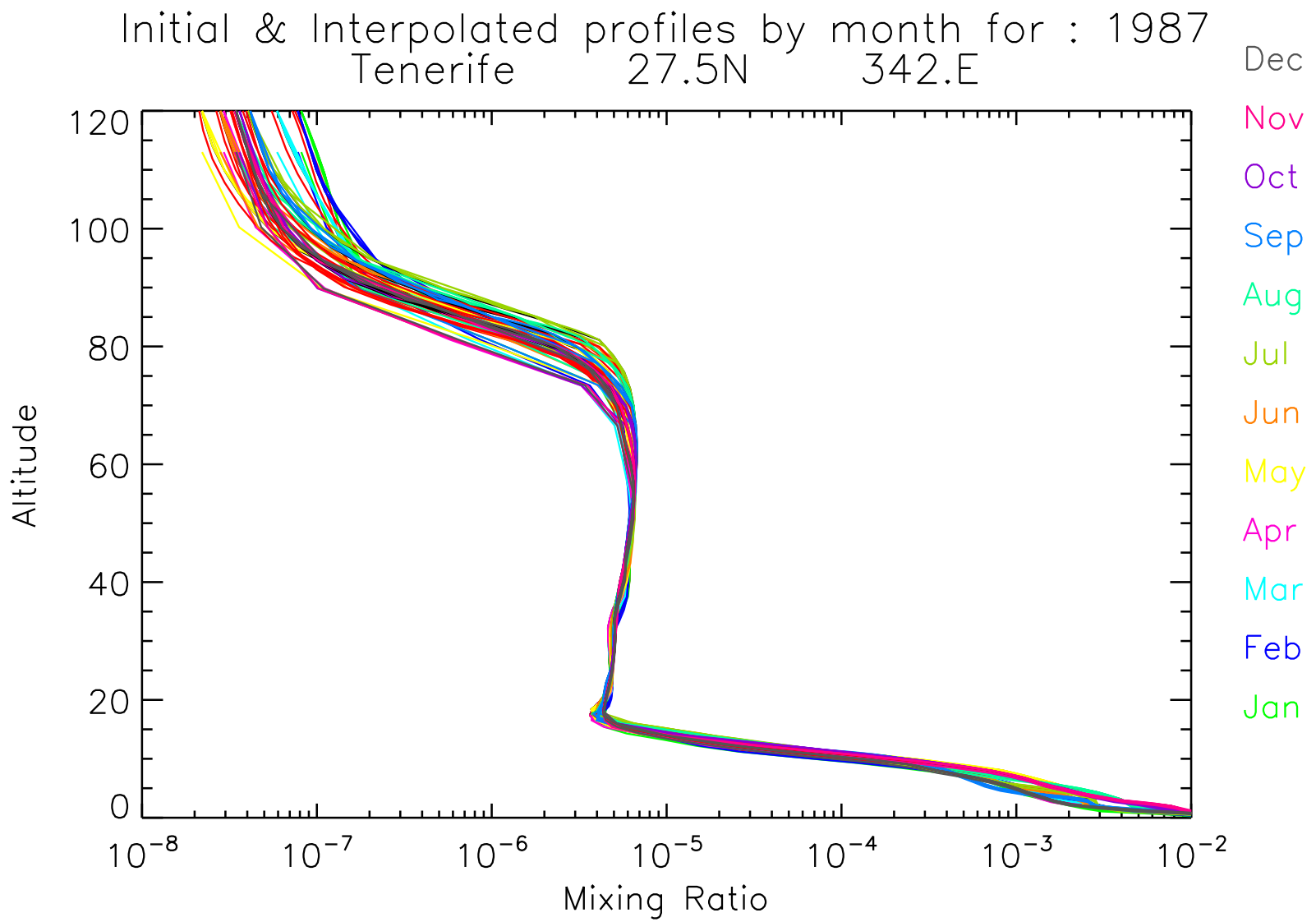
Initial & Interpolated profiles by month for : 1987
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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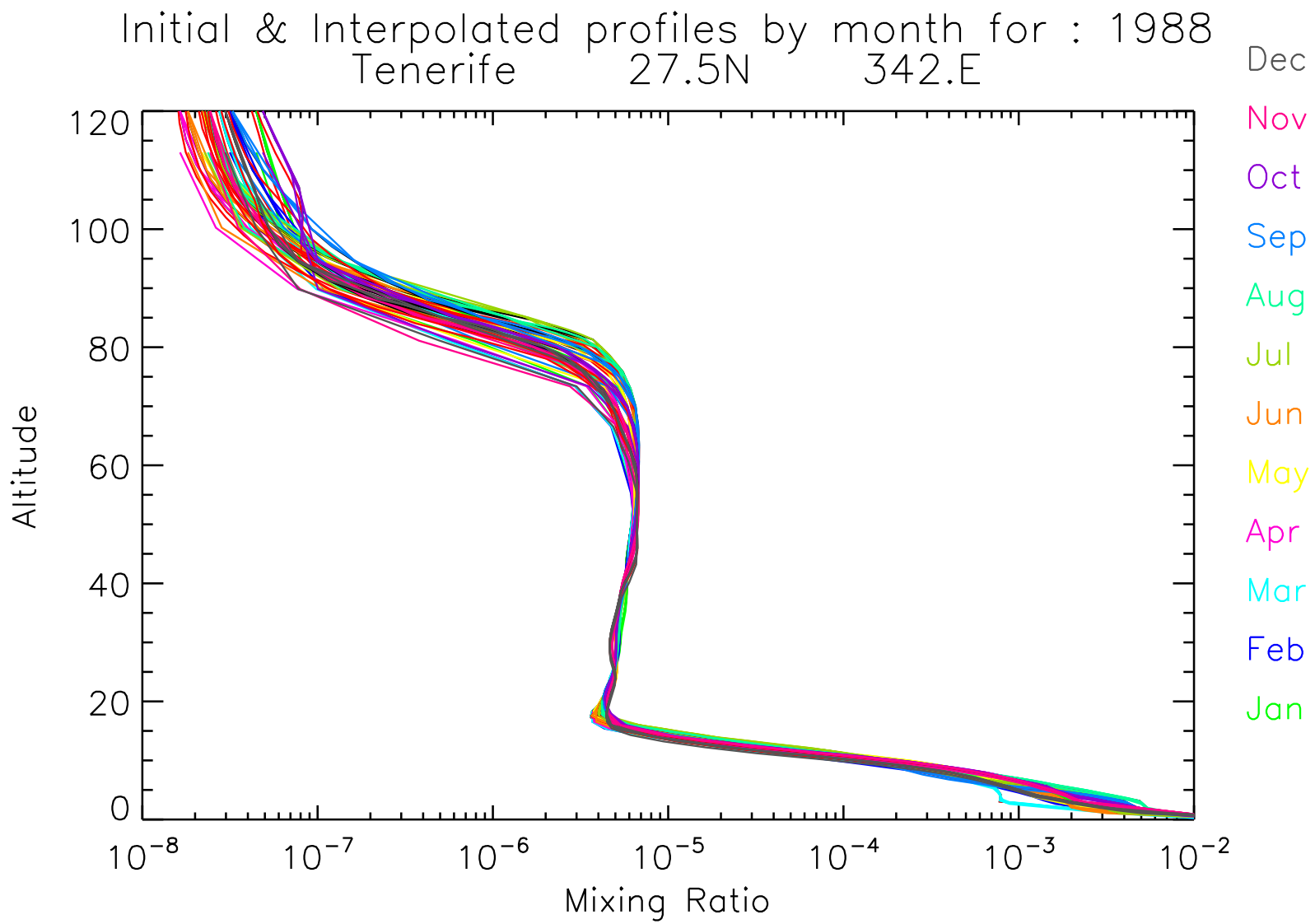
Initial & Interpolated profiles by month for : 1988
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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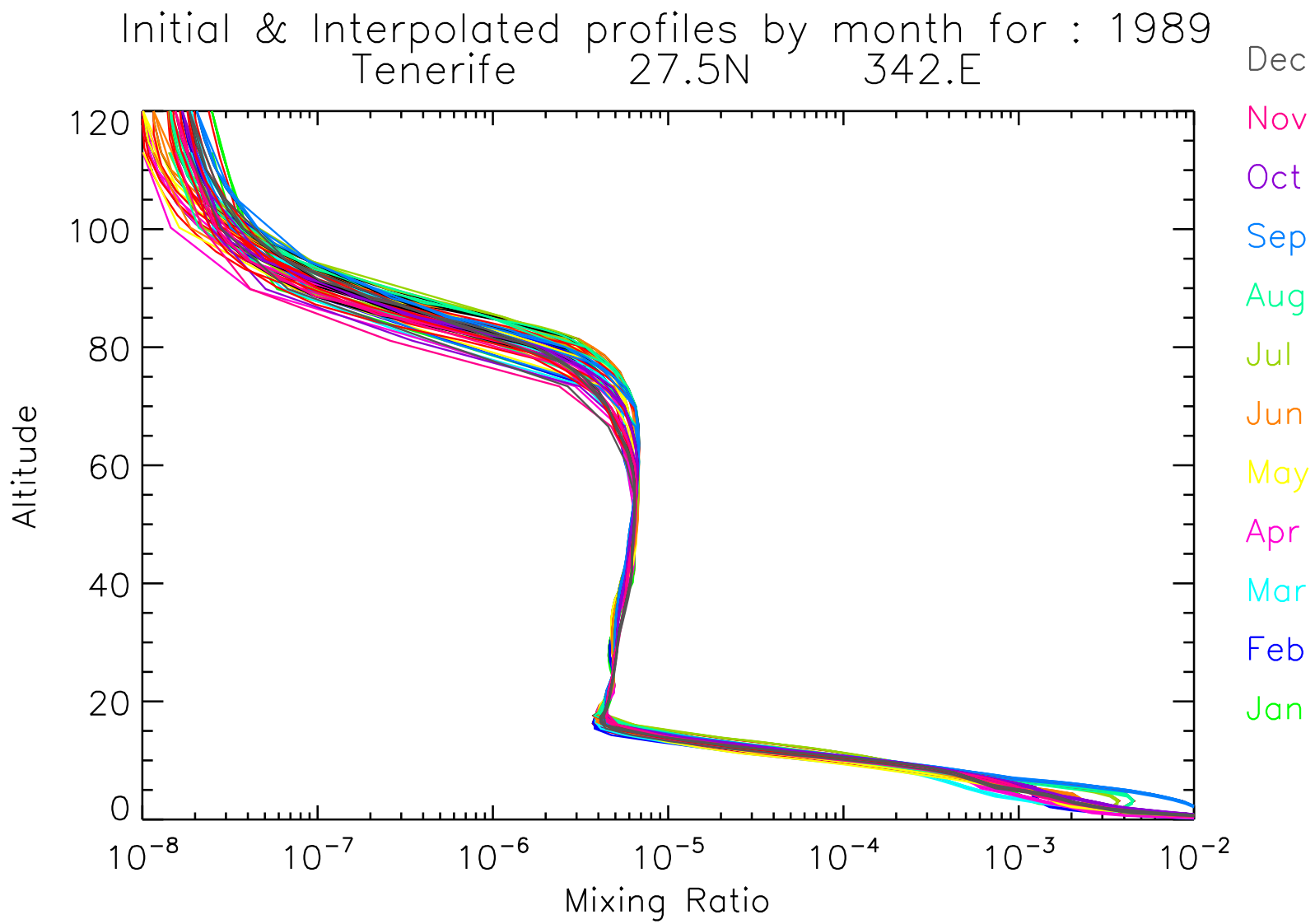
Initial & Interpolated profiles by month for : 1989
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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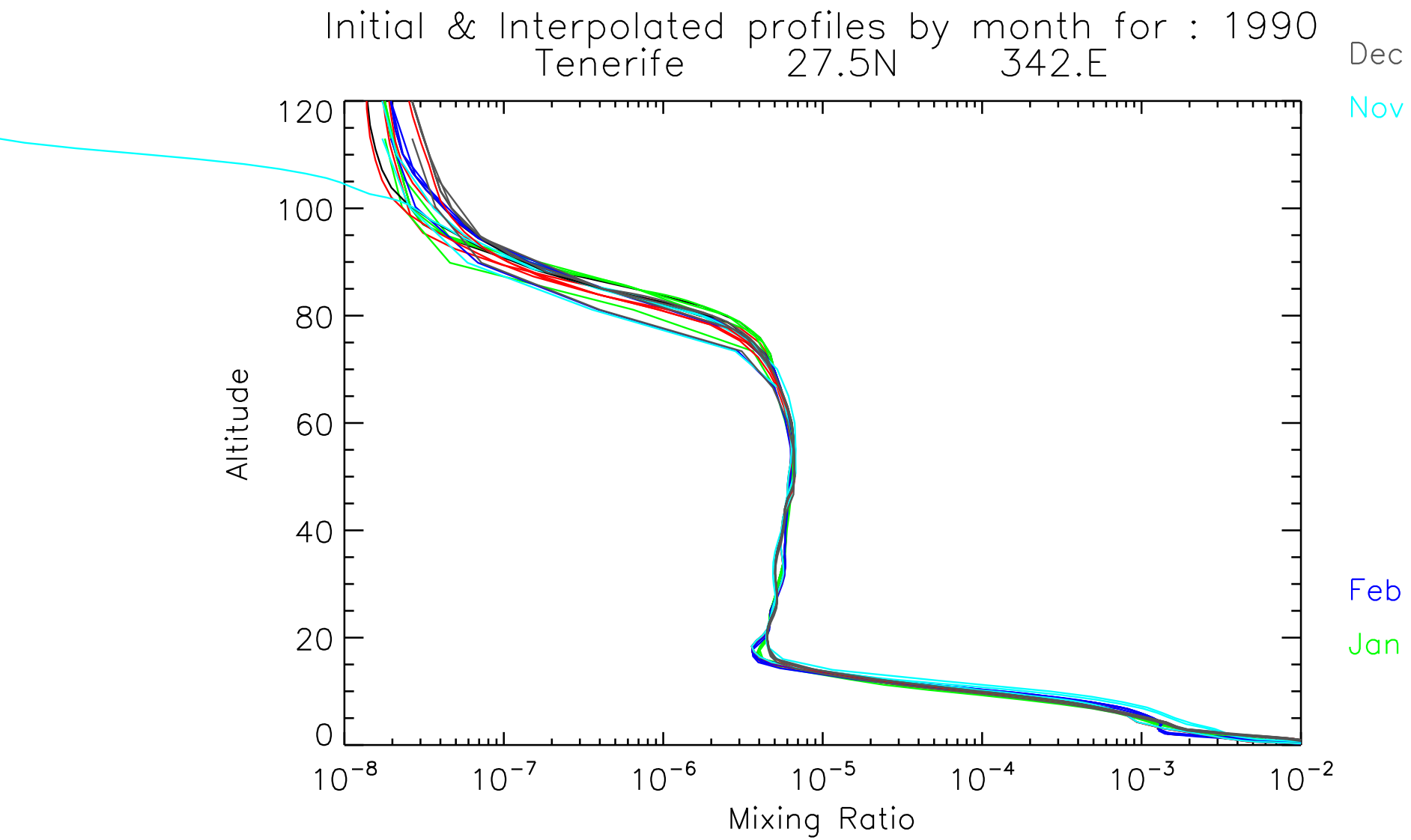
Initial & Interpolated profiles by month for : 1990
Tenerife 27.5N 342.E
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Altitude
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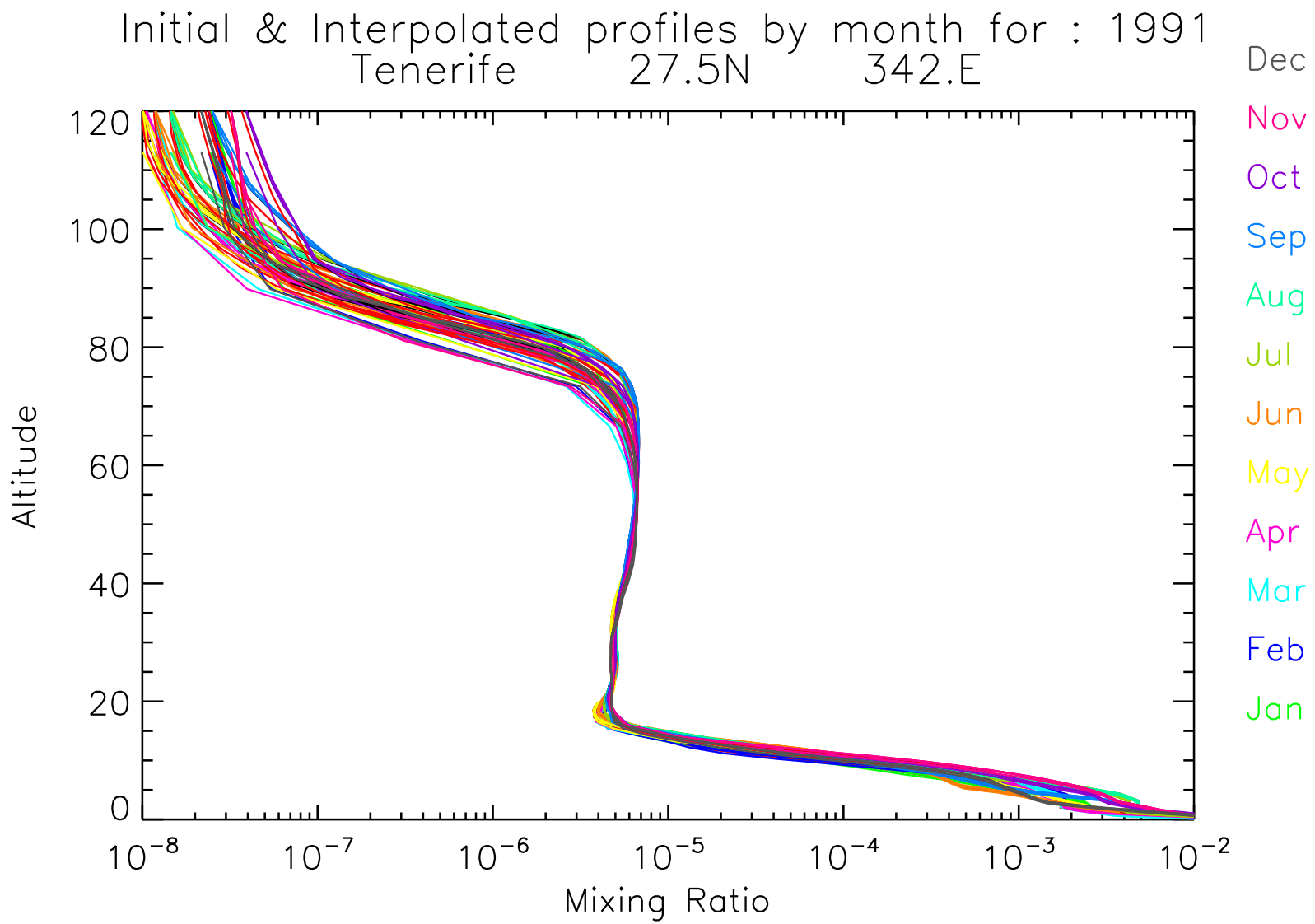
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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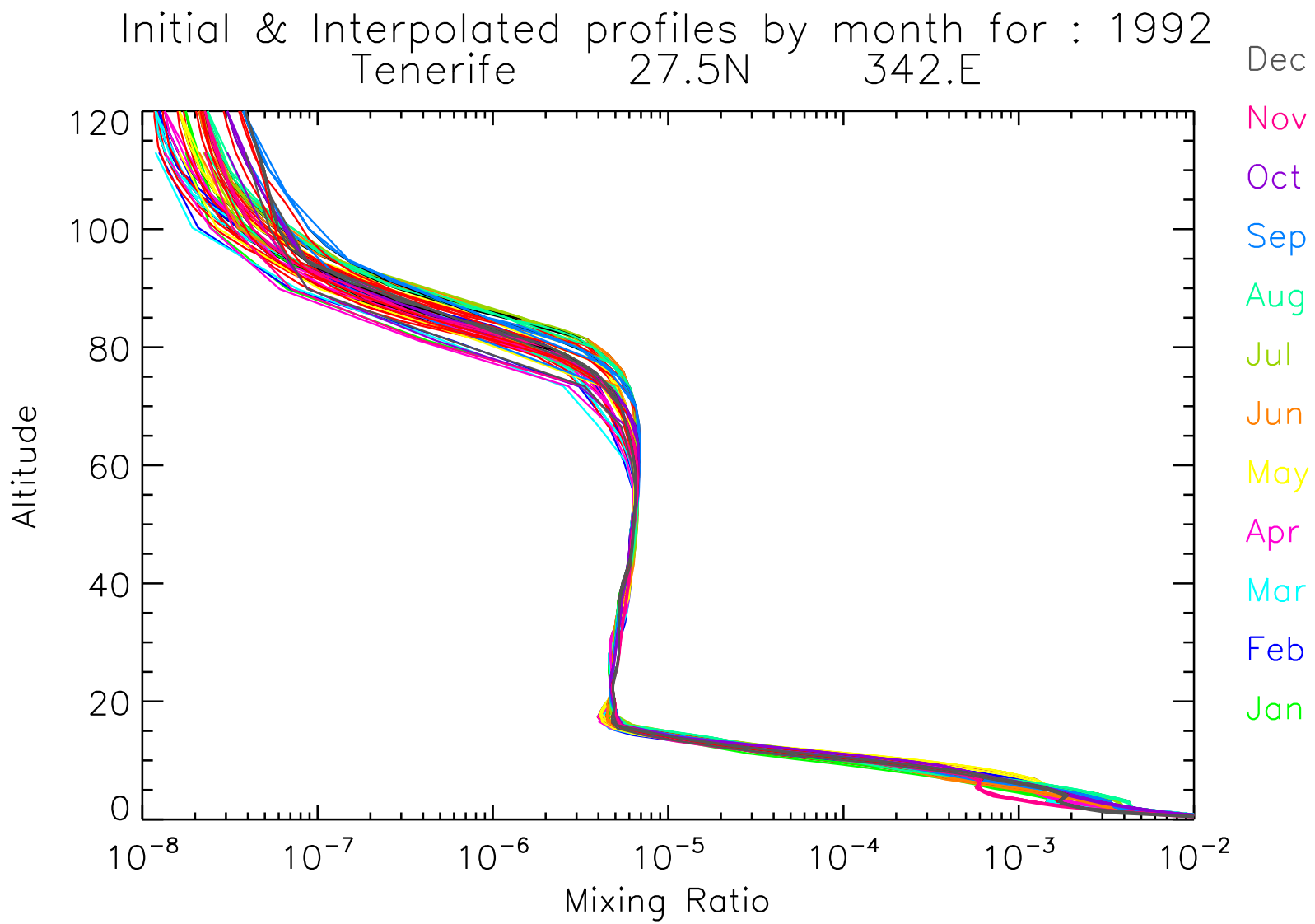
Initial & Interpolated profiles by month for : 1992
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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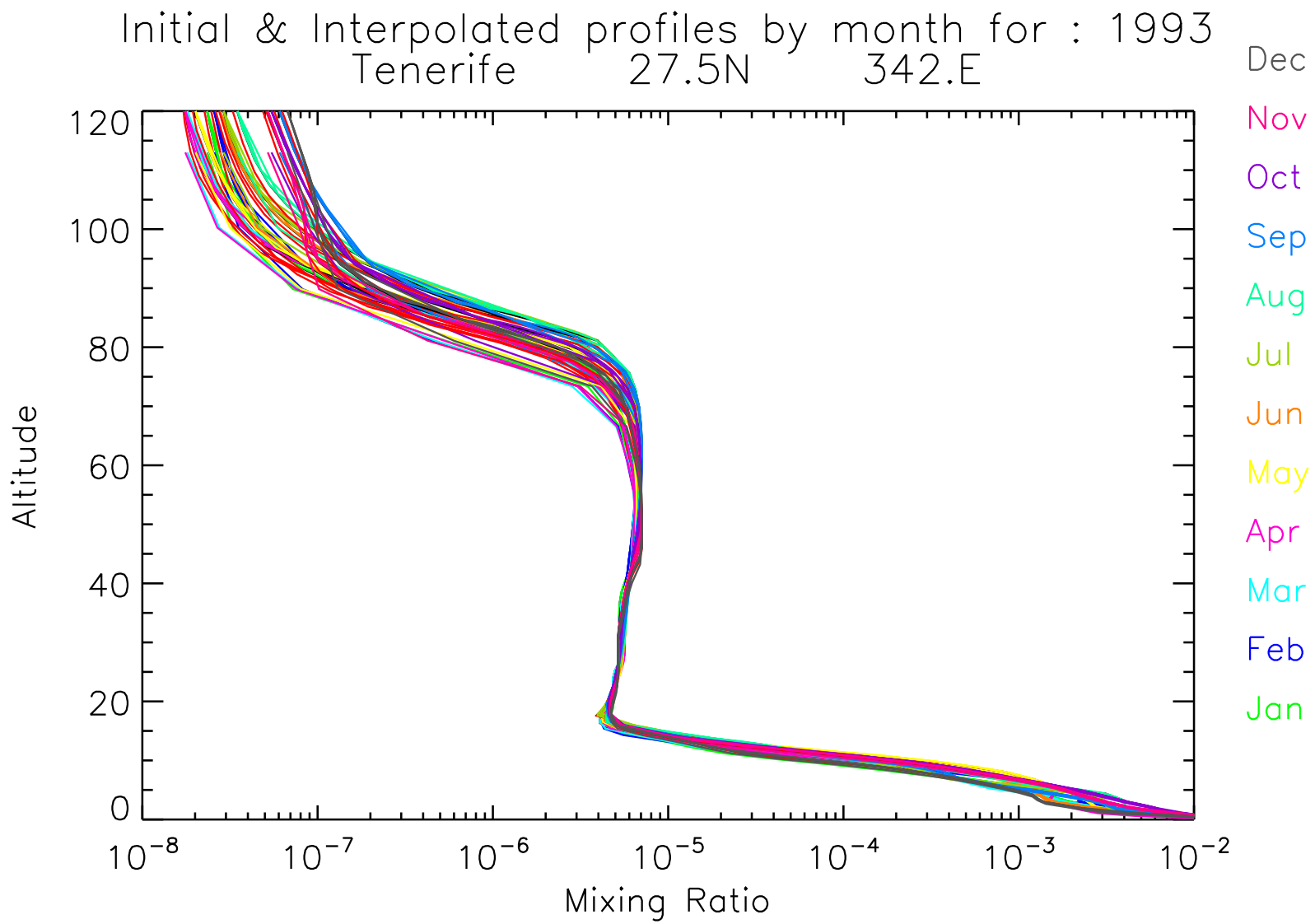
Initial & Interpolated profiles by month for : 1993
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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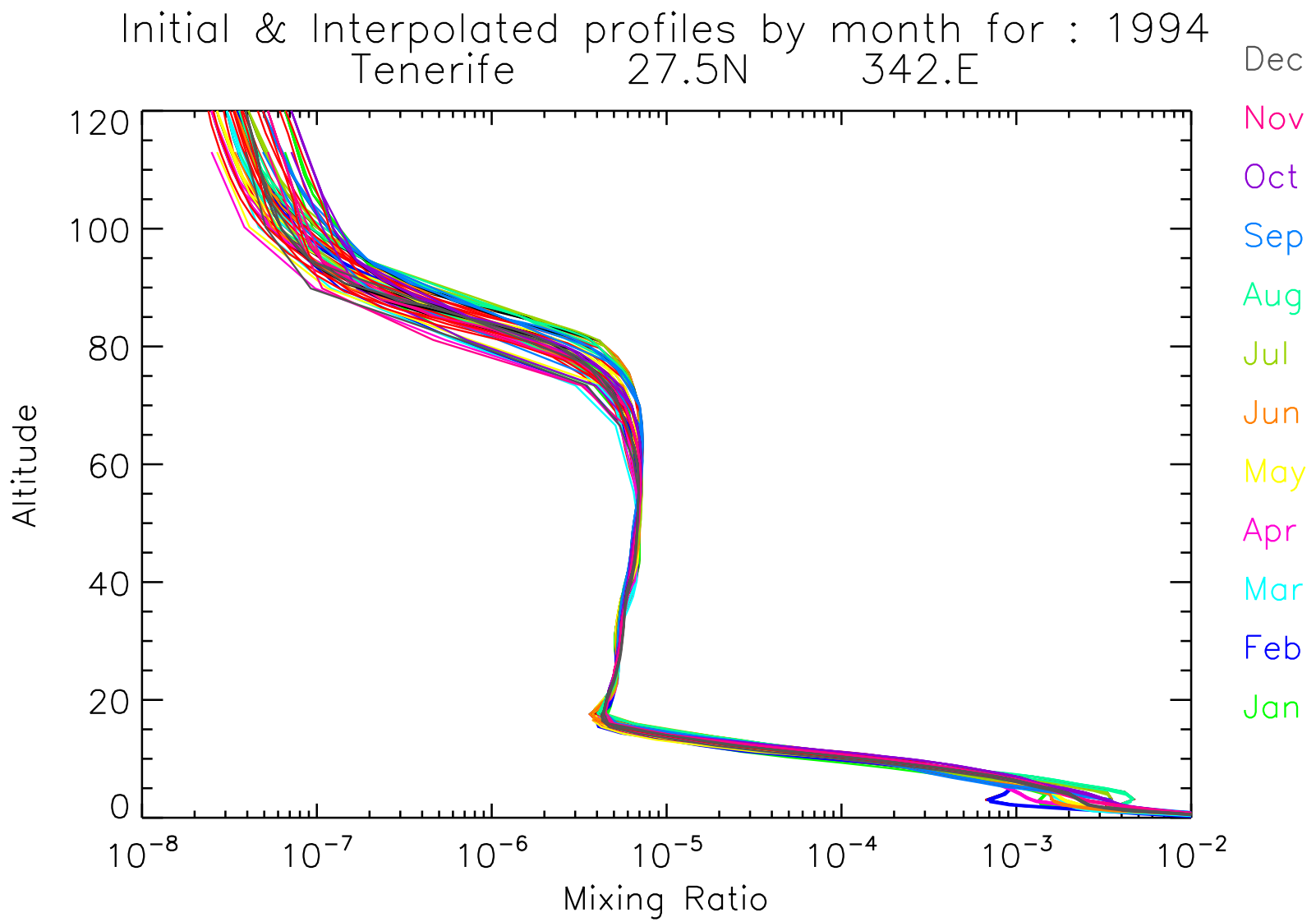
Initial & Interpolated profiles by month for : 1994
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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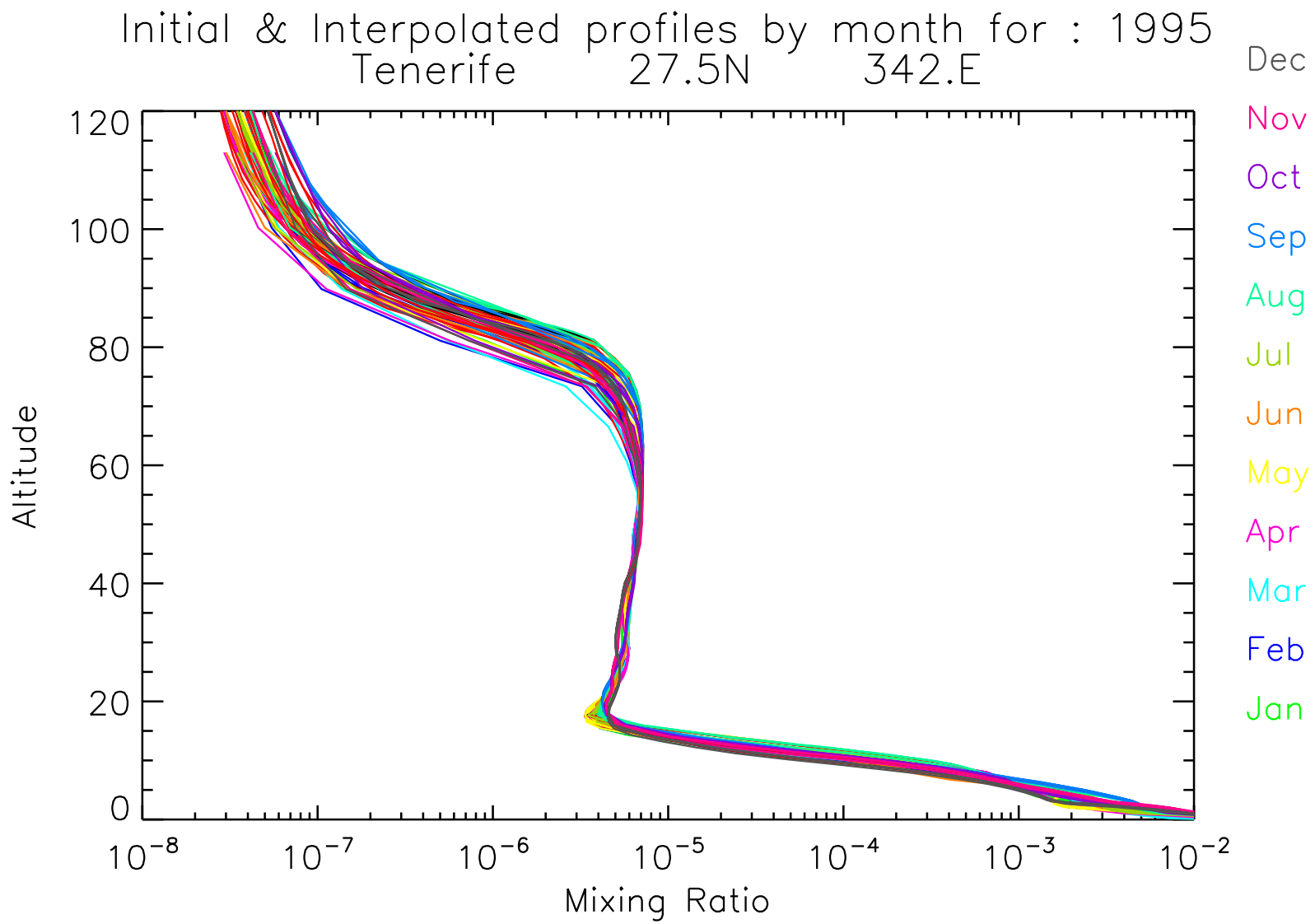
Initial & Interpolated profiles by month for : 1995
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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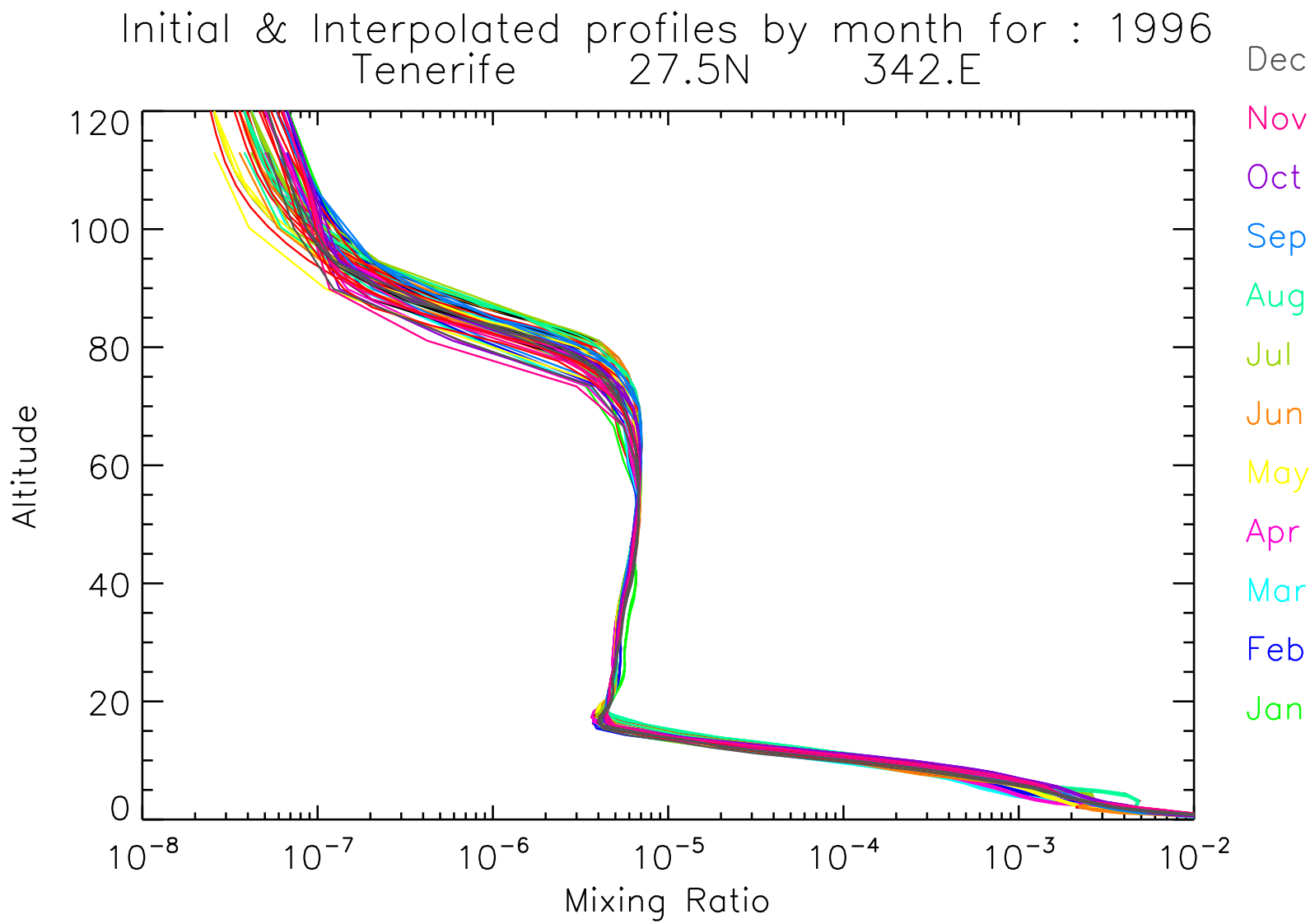
Initial & Interpolated profiles by month for : 1996
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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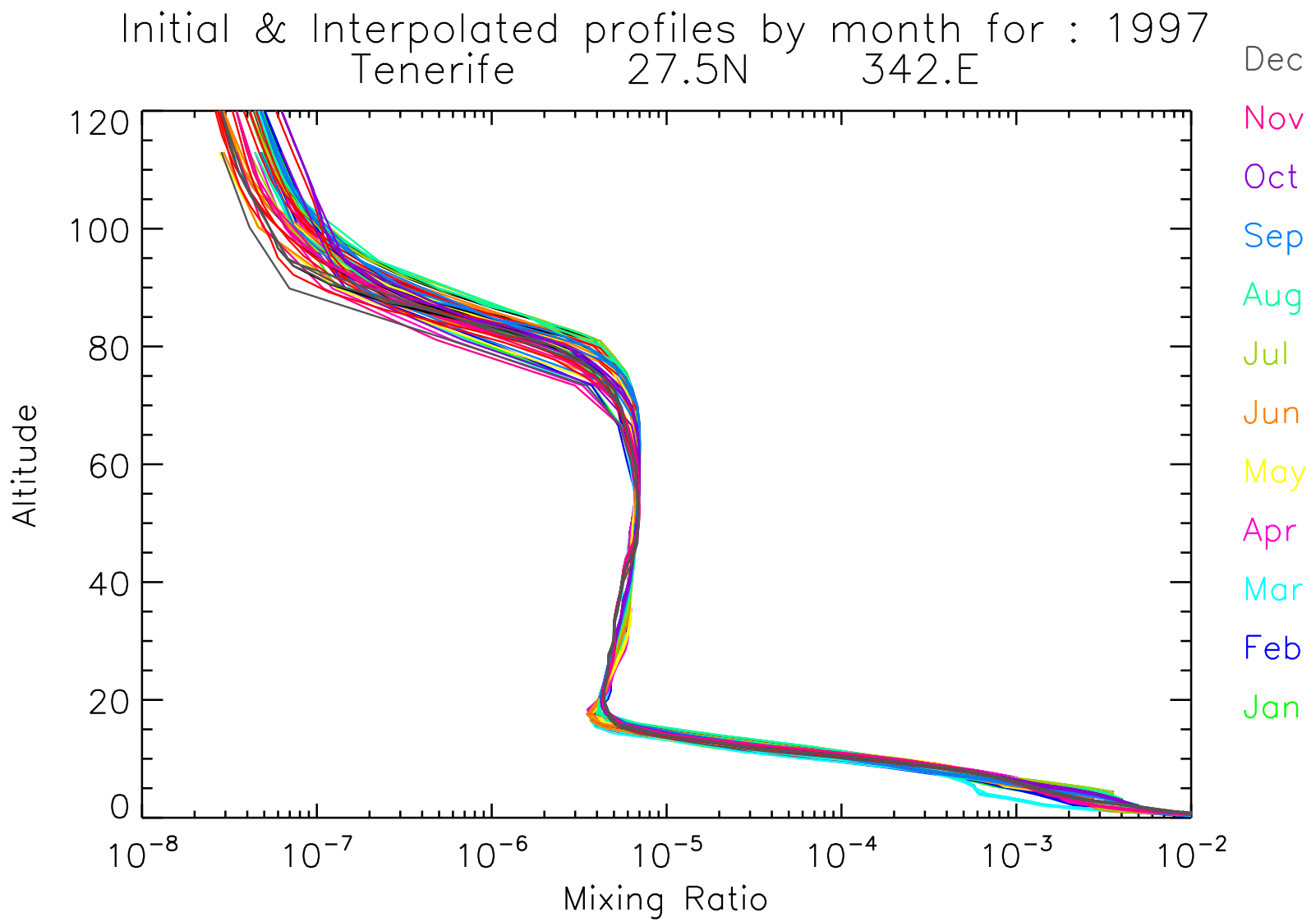
Initial & Interpolated profiles by month for : 1997
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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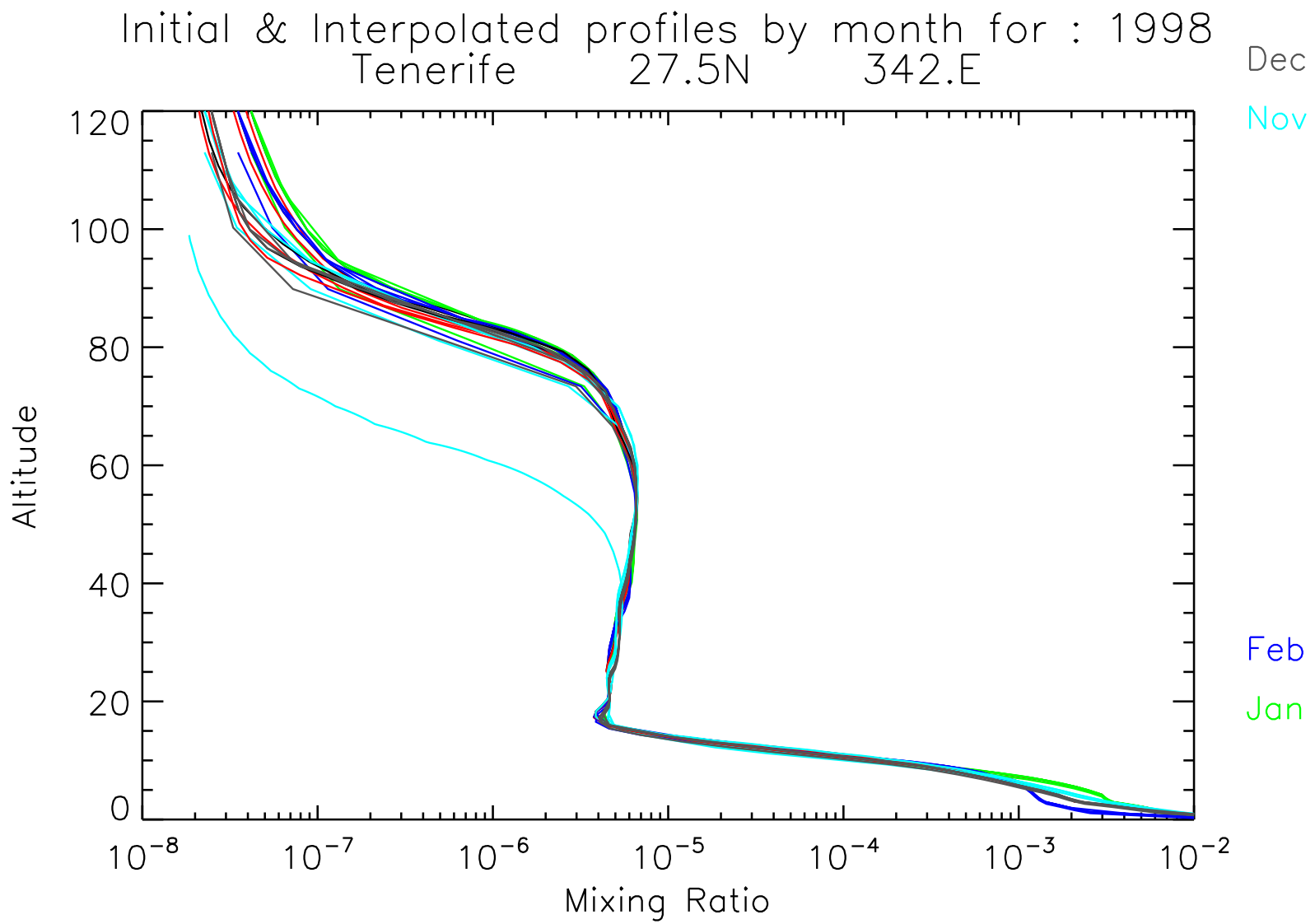
Initial & Interpolated profiles by month for : 1998
Tenerife 27.5N 342.E
Dec
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Altitude
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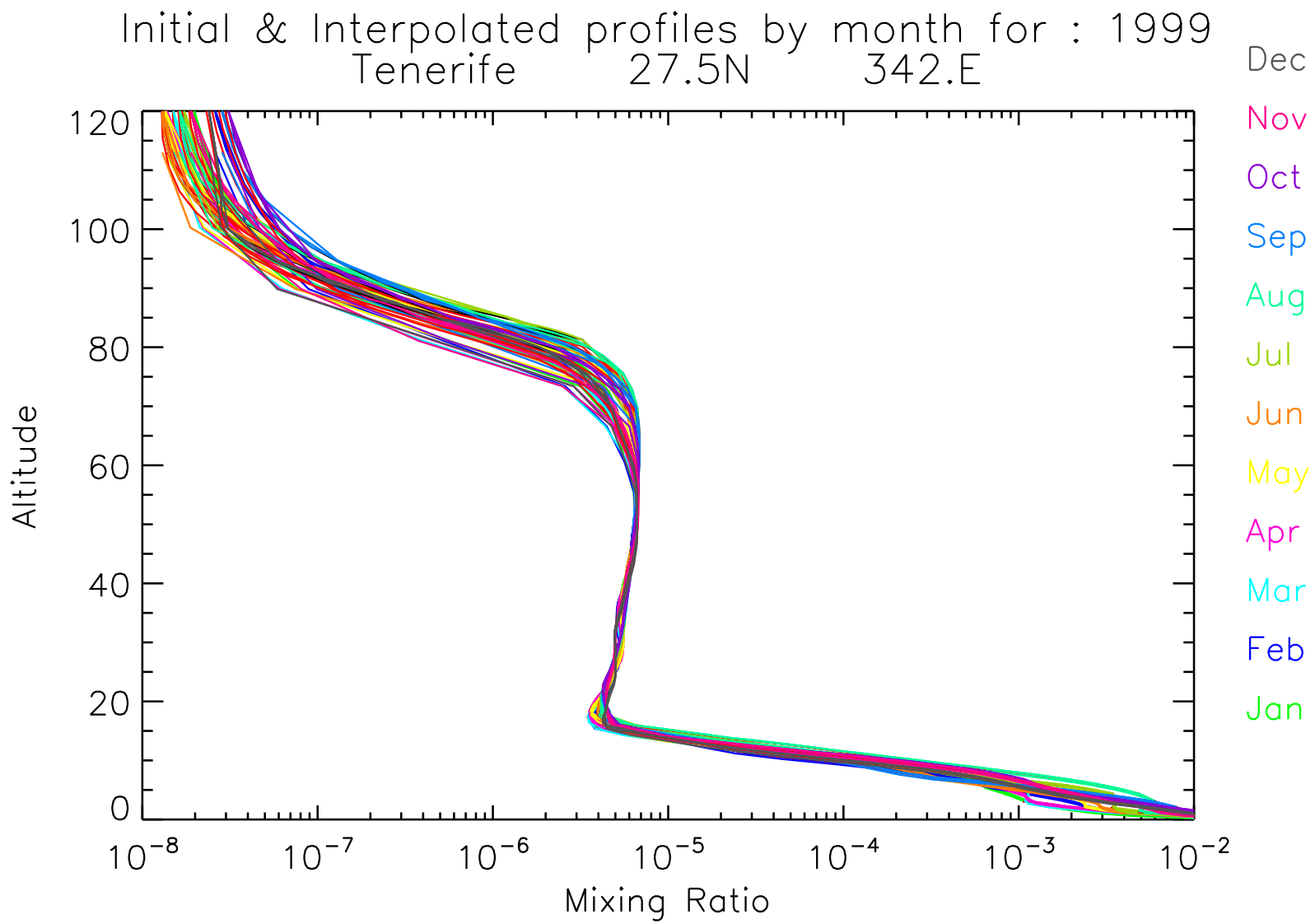
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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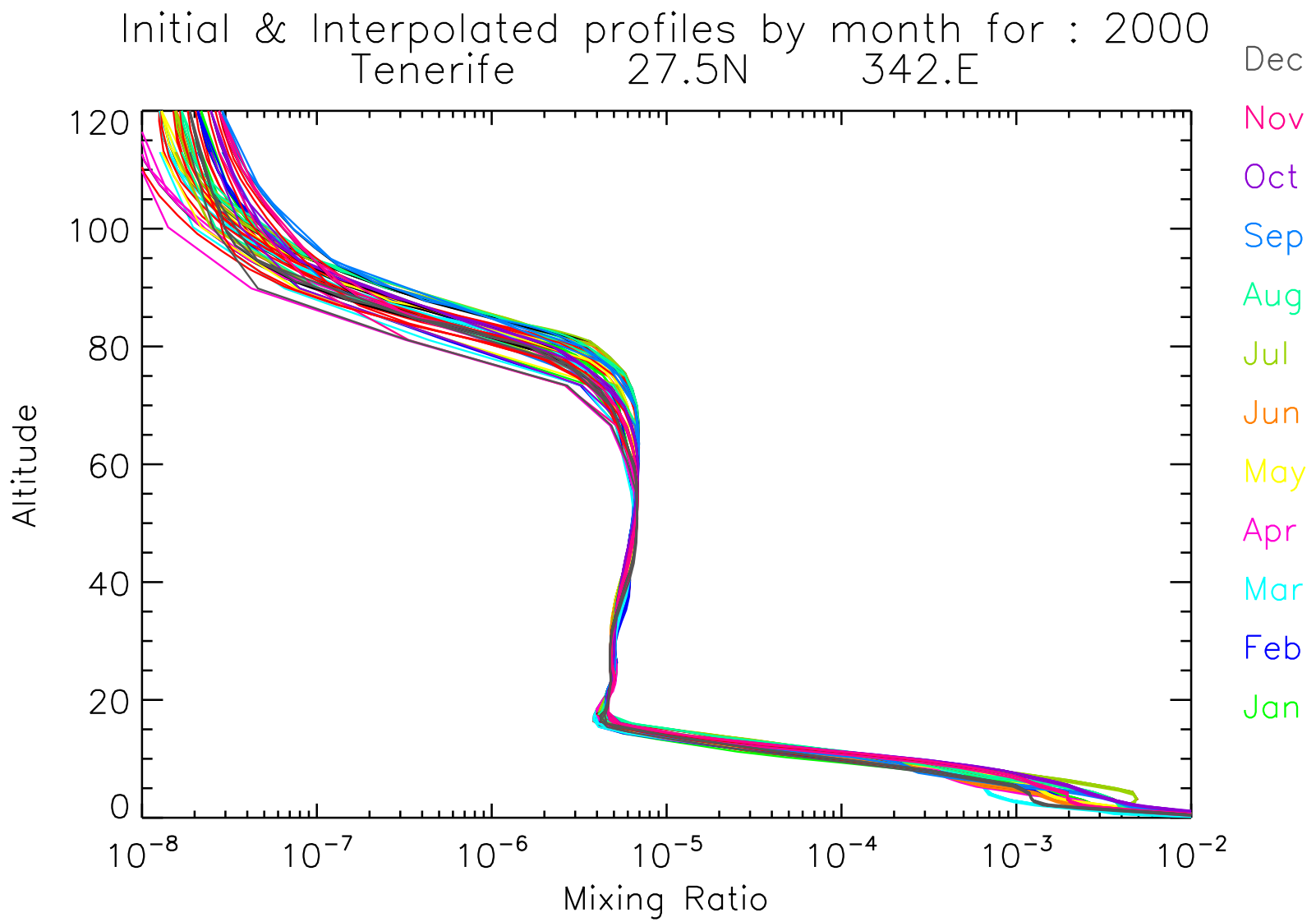
Initial & Interpolated profiles by month for : 2000
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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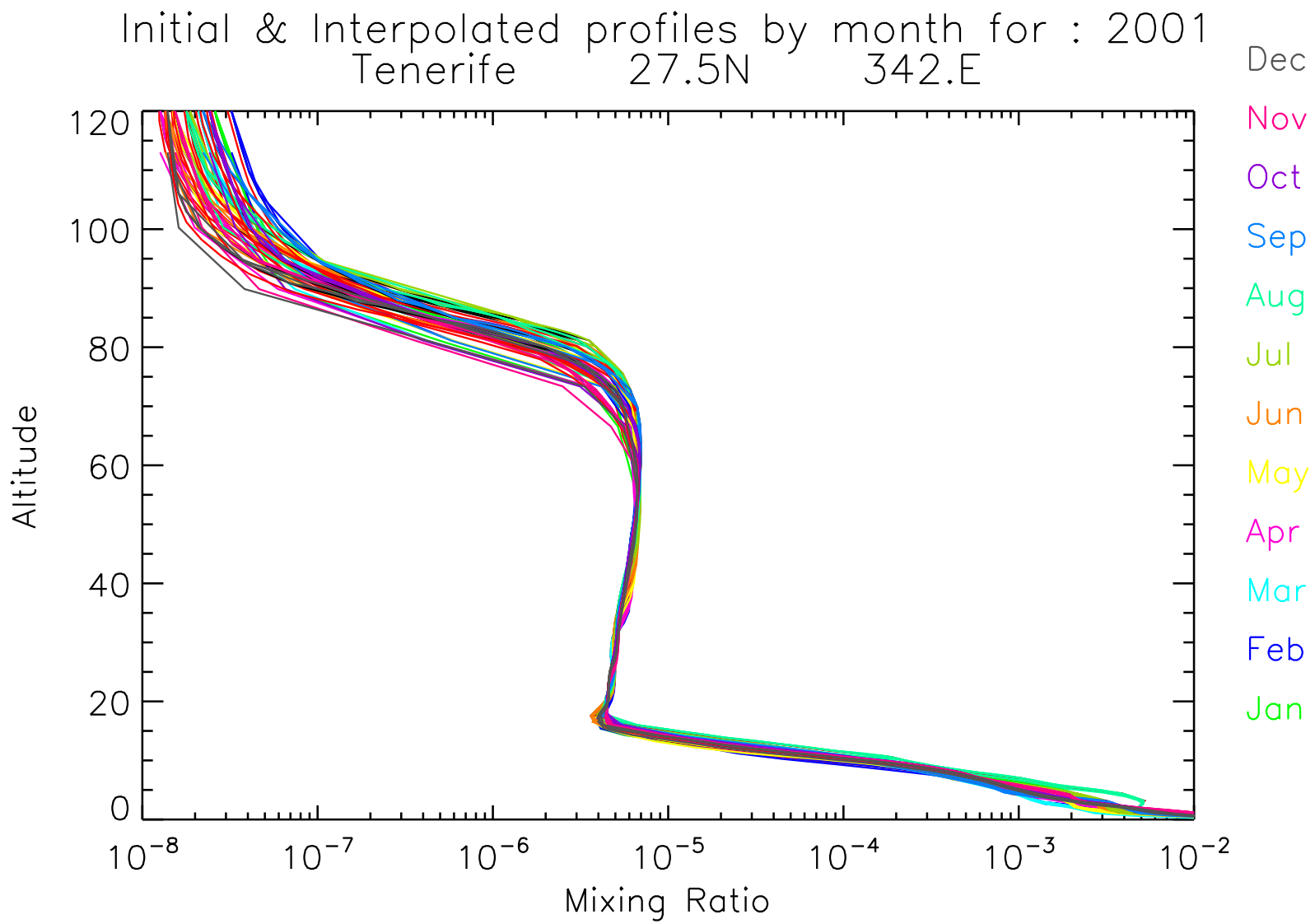
Initial & Interpolated profiles by month for : 2001
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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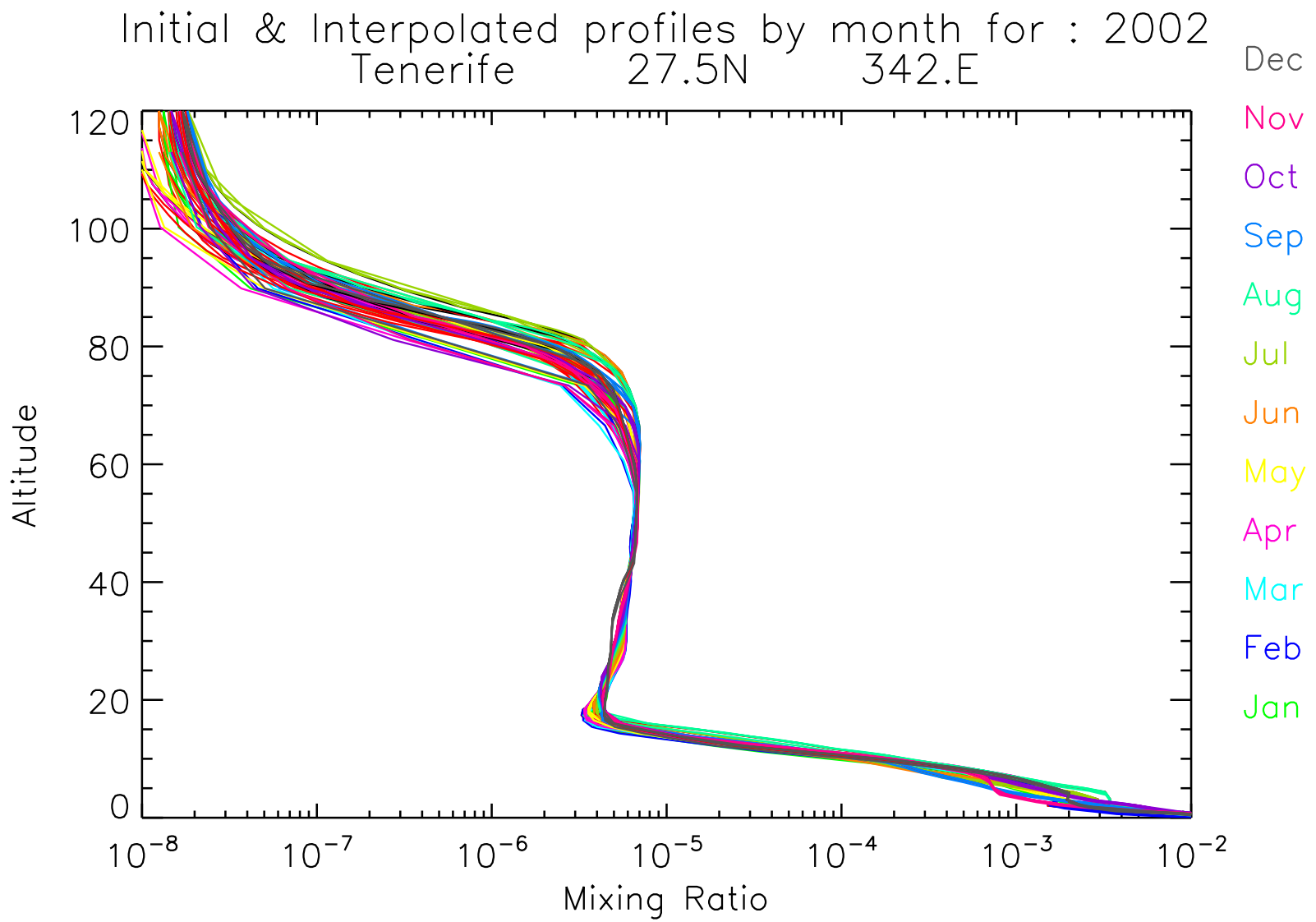
Initial & Interpolated profiles by month for : 2002
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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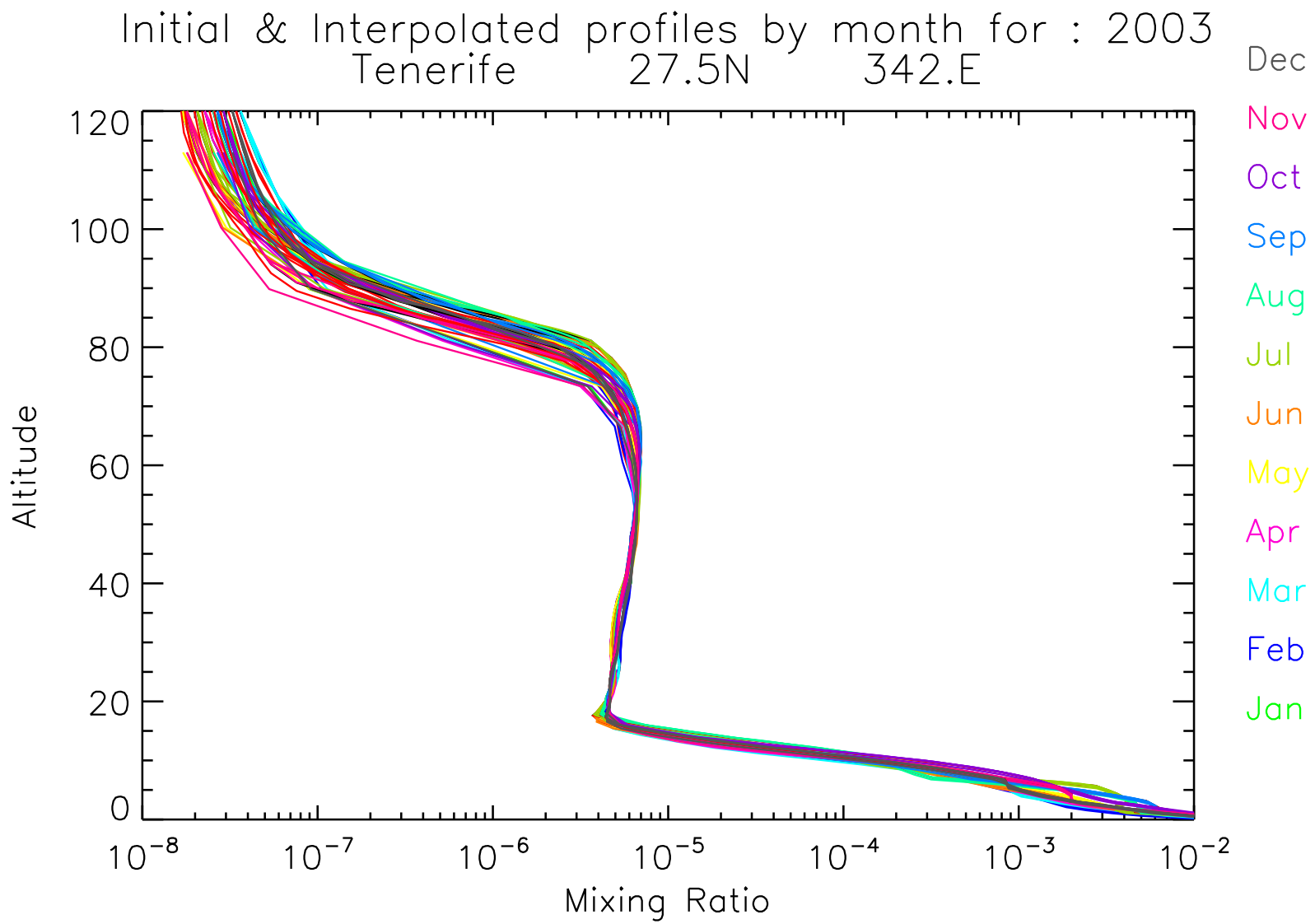
Initial & Interpolated profiles by month for : 2003
Tenerife 27.5N 342.E
Altitude
120
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10^{-8}
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Mixing Ratio
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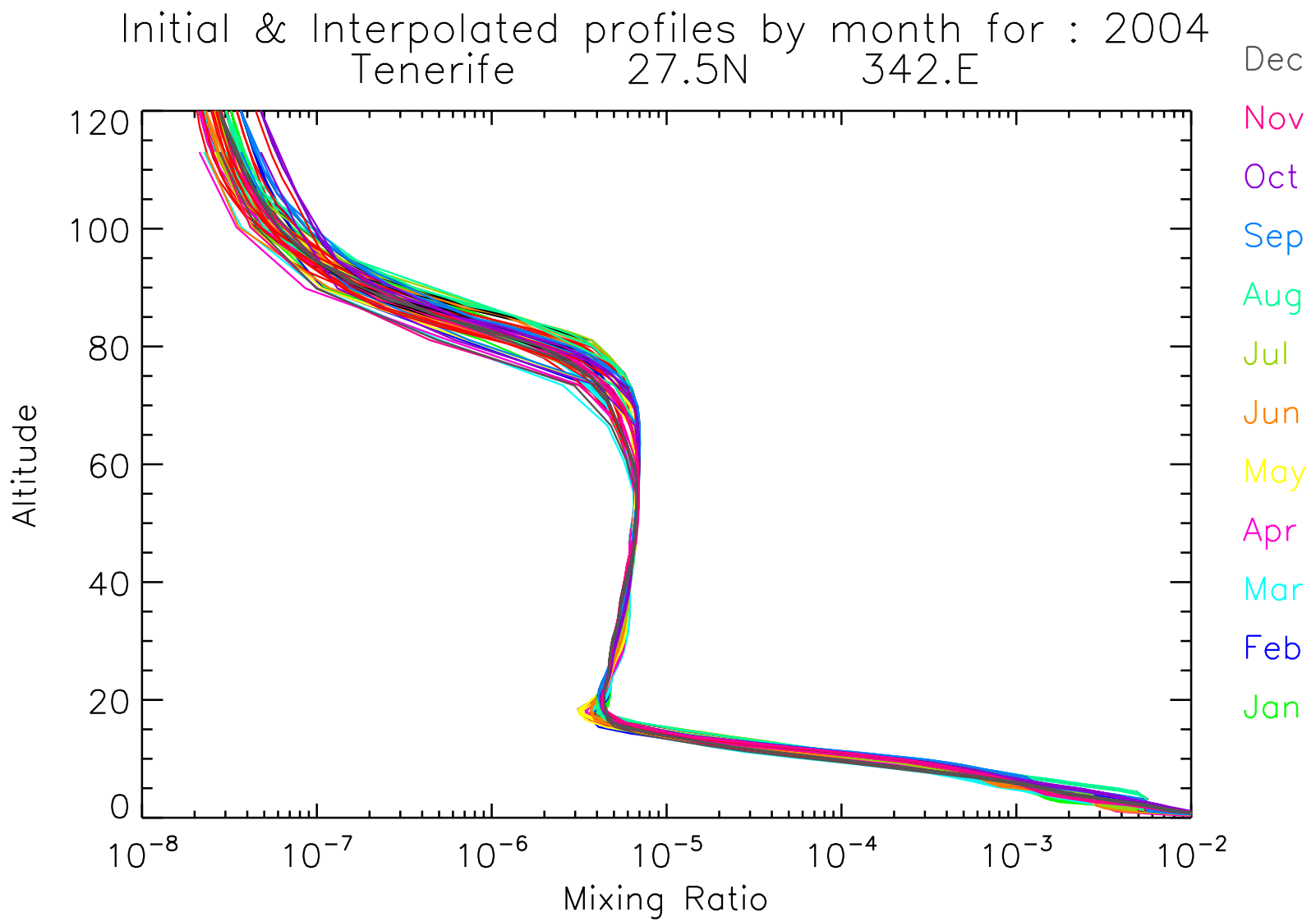
Initial & Interpolated profiles by month for : 2004
Tenerife 27.5N 342.E
Altitude
120
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10^{-8}
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Mixing Ratio
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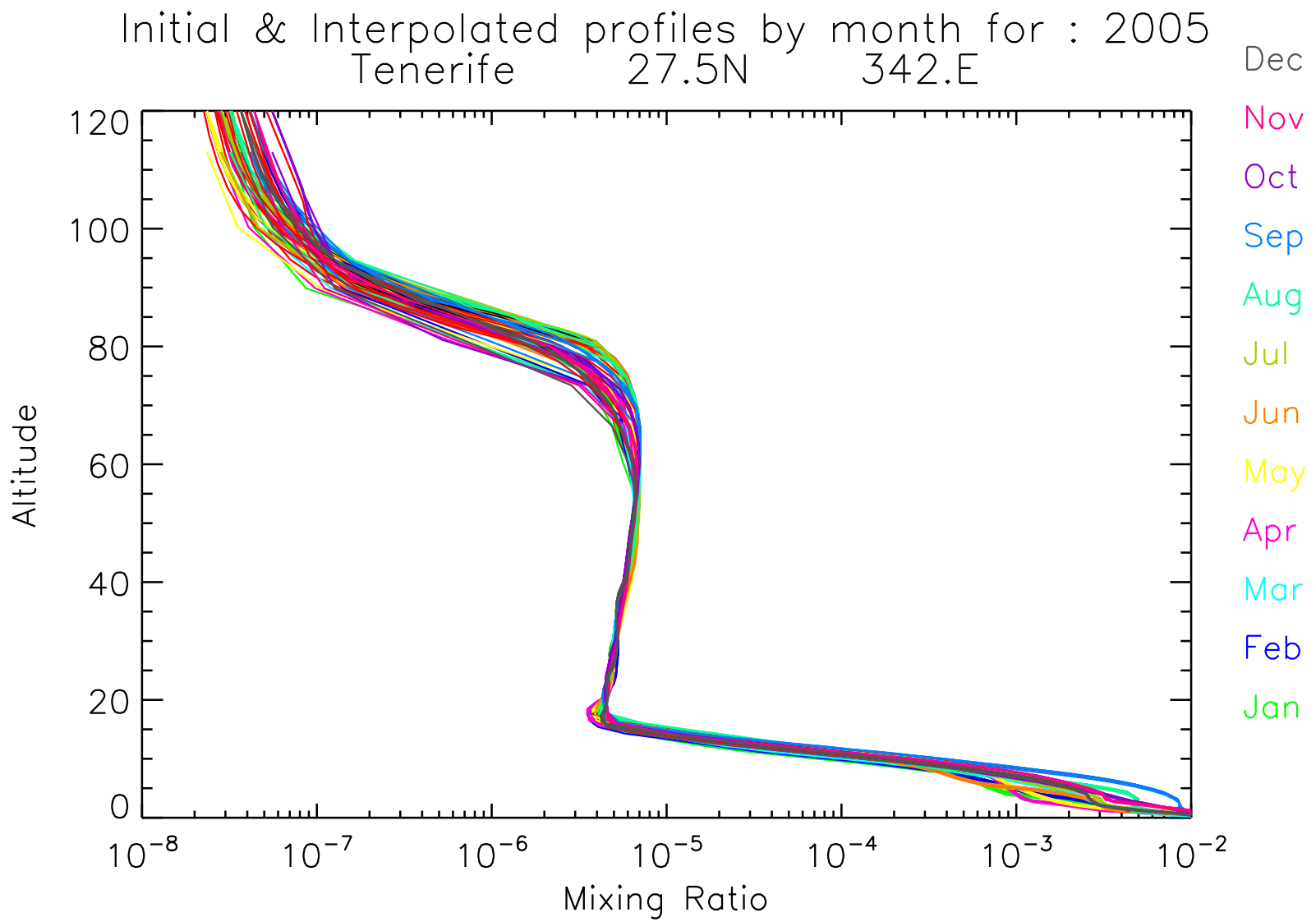
Initial & Interpolated profiles by month for : 2005
Tenerife 27.5N 342.E
Altitude
120
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Mixing Ratio
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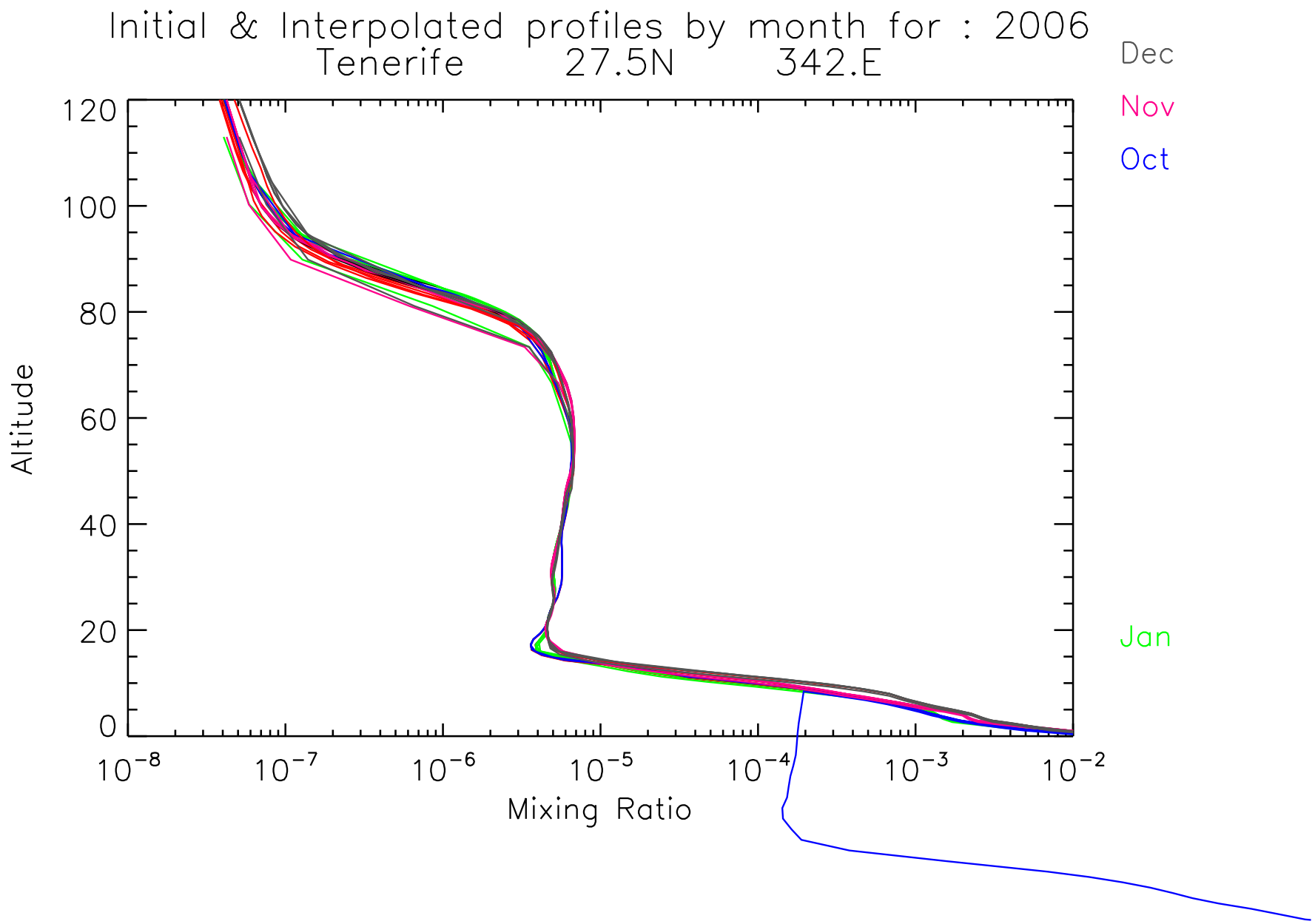
Initial & Interpolated profiles by month for : 2006
Tenerife 27.5N 342.E
Dec
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Altitude
120
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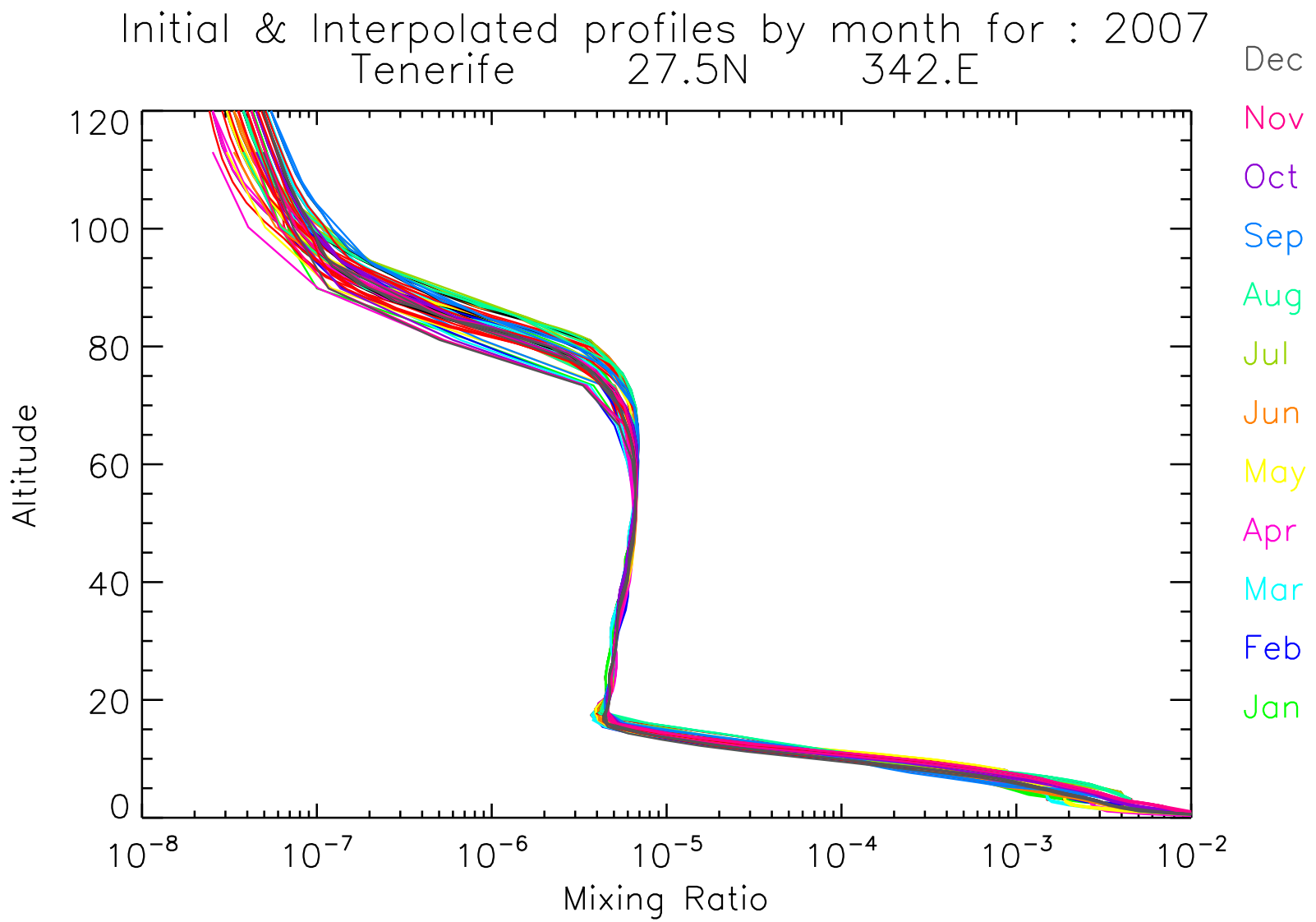
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Tenerife 27.5N 342.E
Altitude
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10^{-8}
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Mixing Ratio
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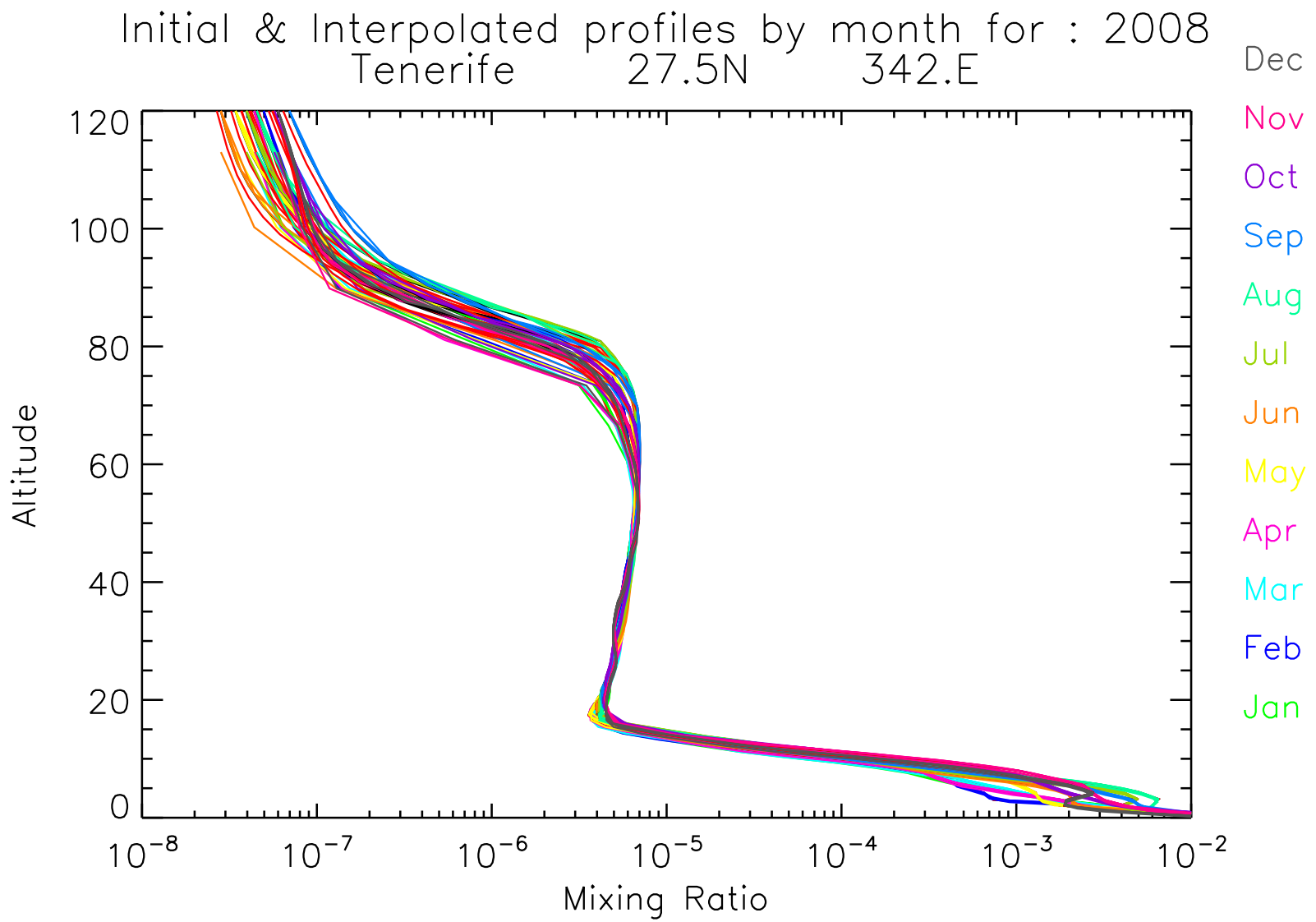
Initial & Interpolated profiles by month for : 2008
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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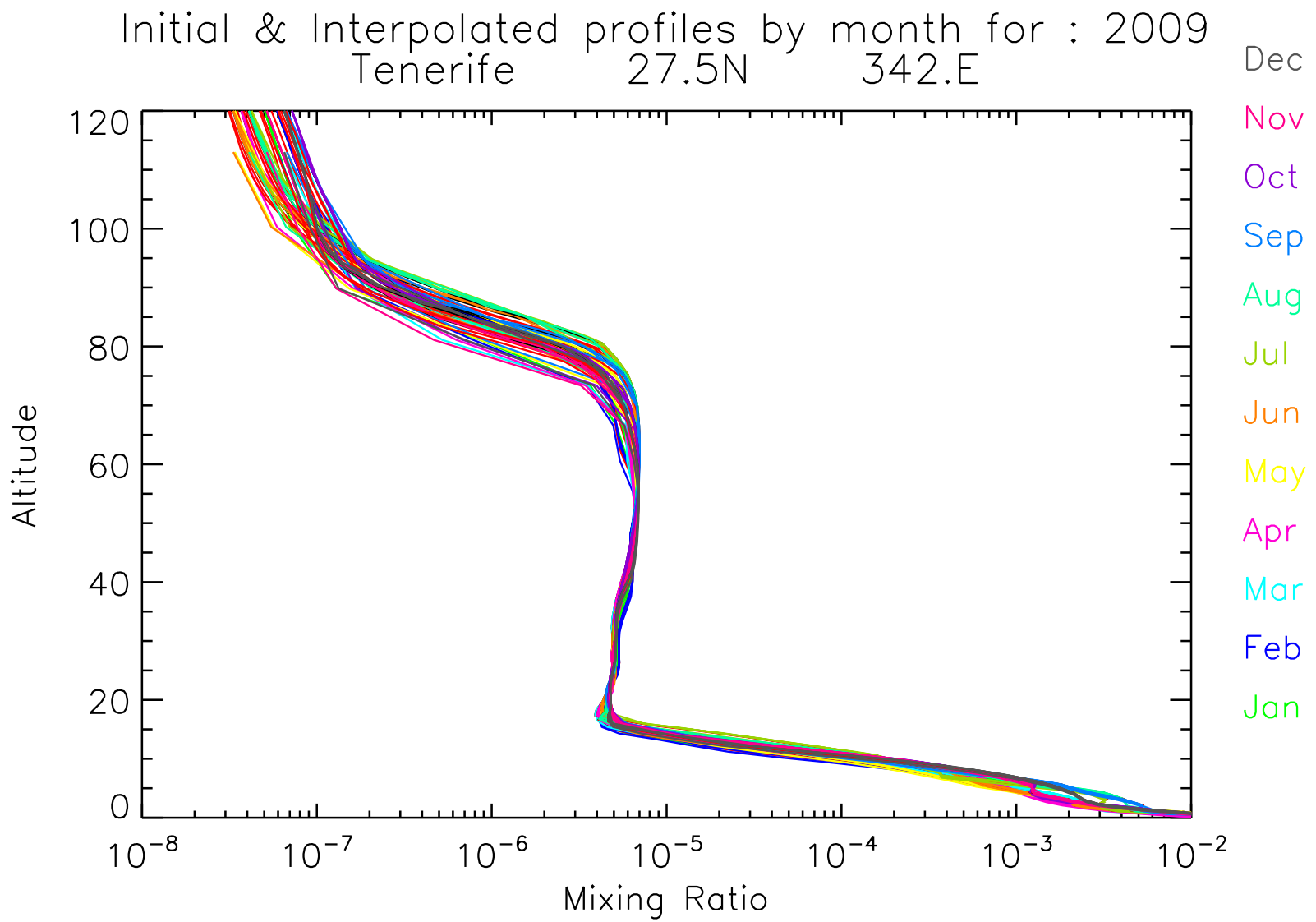
Initial & Interpolated profiles by month for : 2009
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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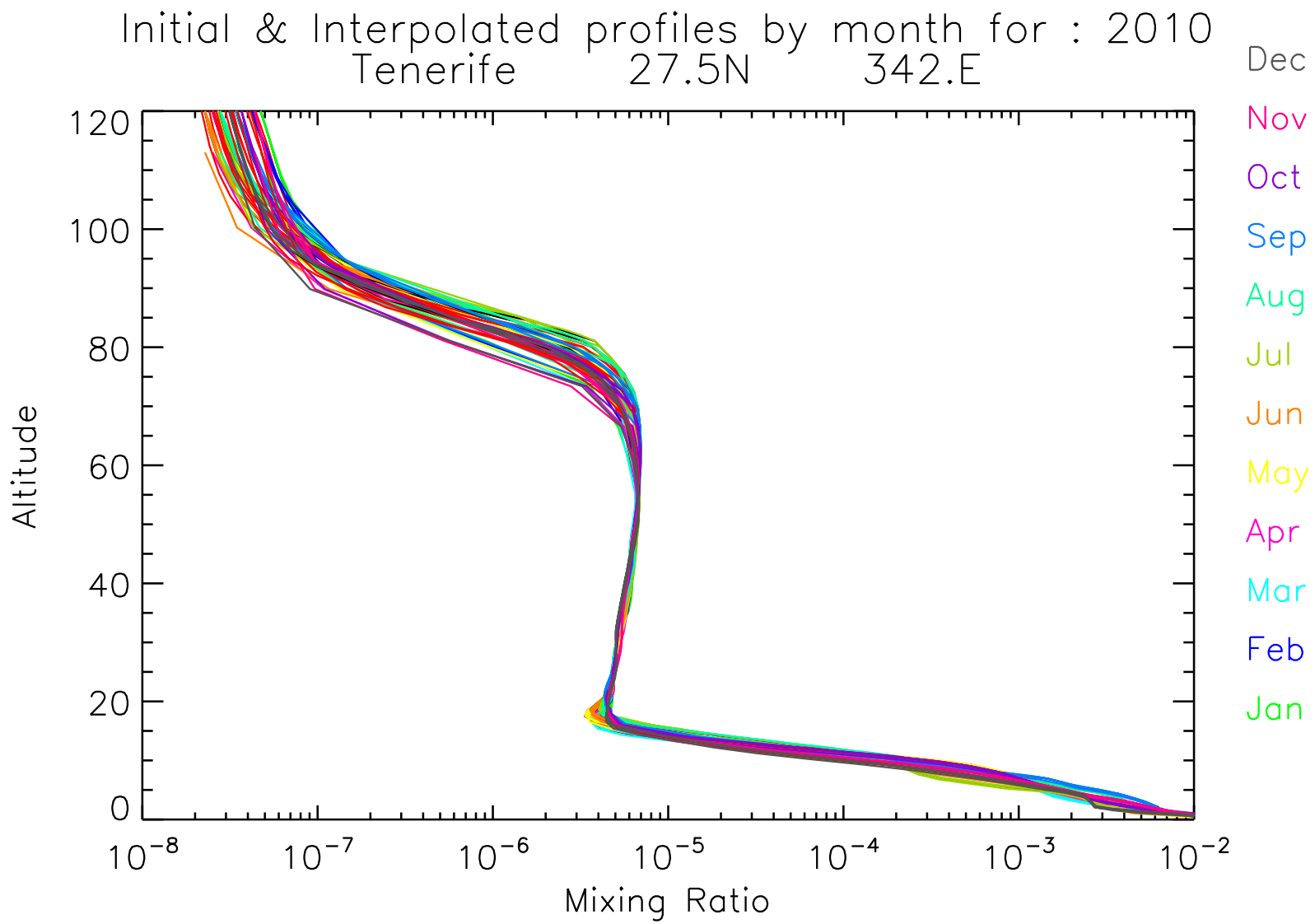
Initial & Interpolated profiles by month for : 2010
Tenerife 27.5N 342.E
Altitude
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Mixing Ratio
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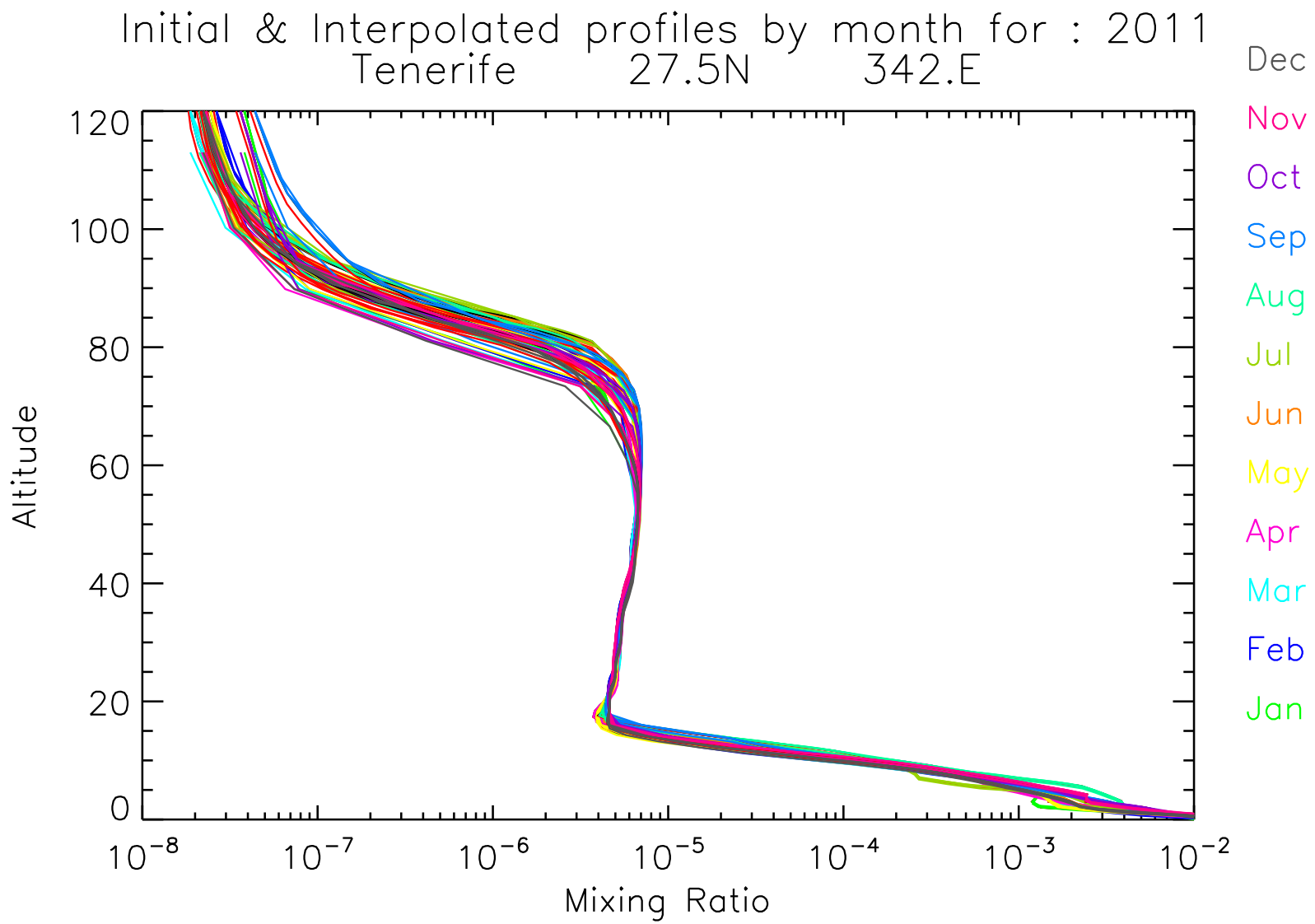
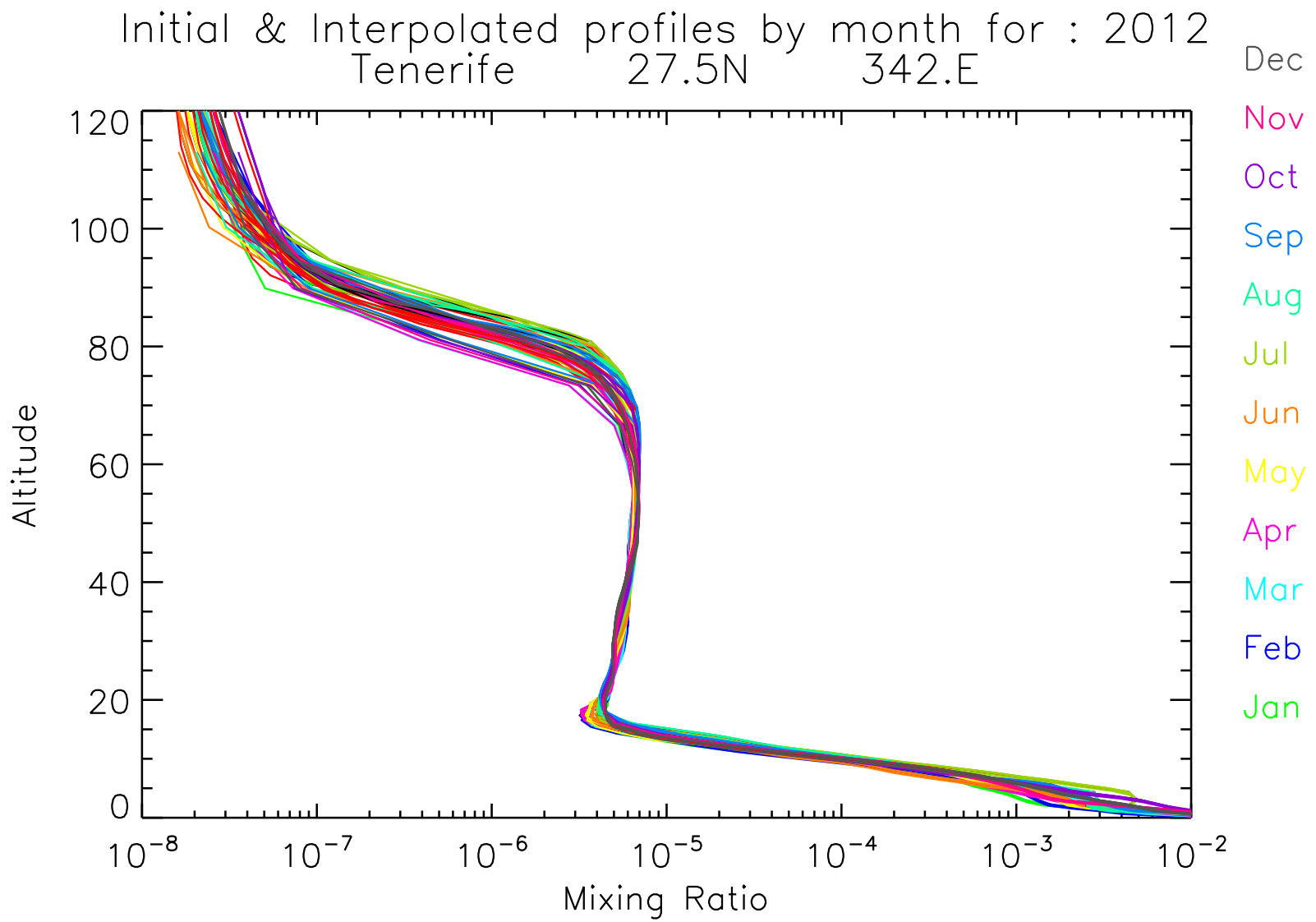
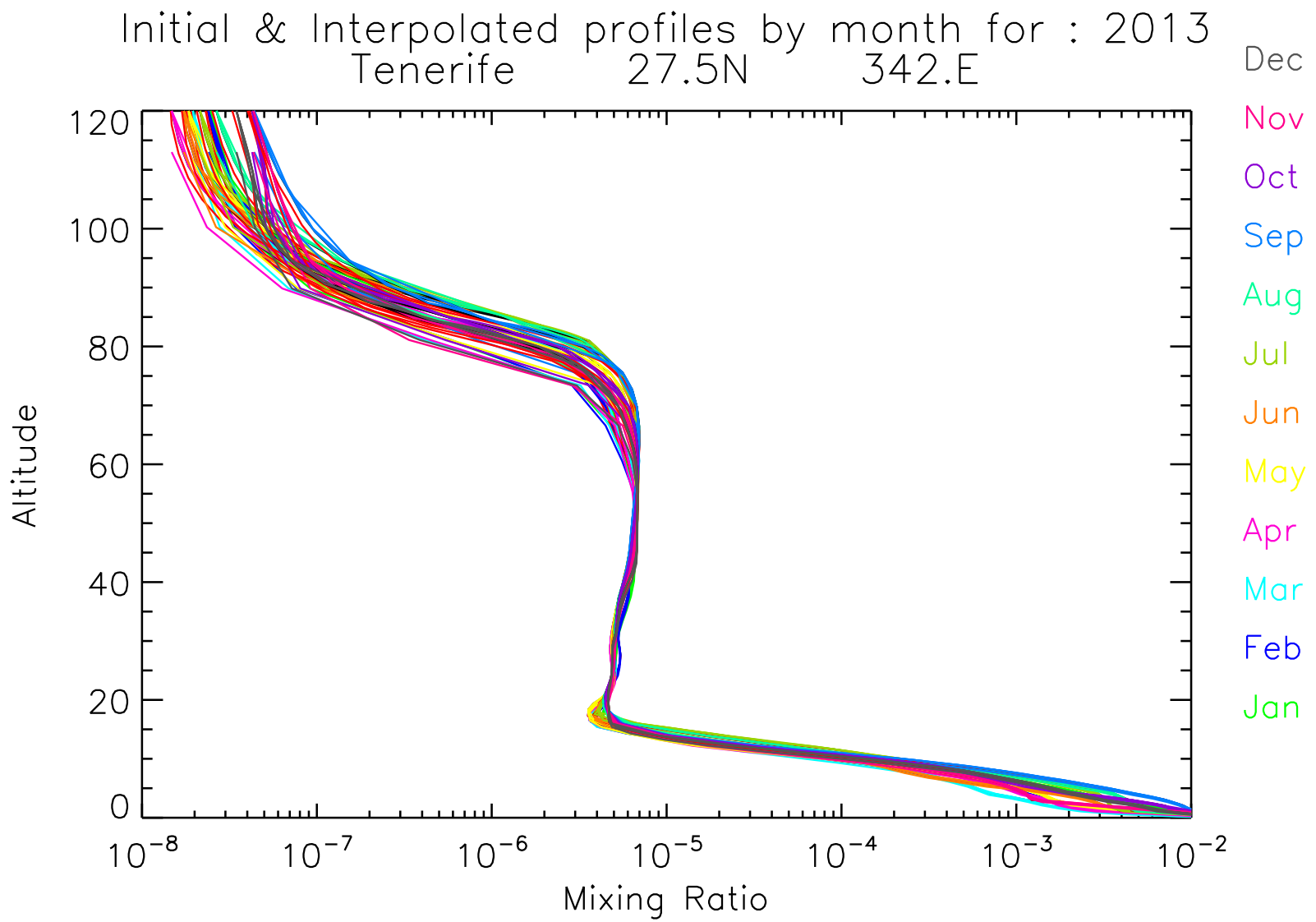
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2011
Tenerife 27.5N 342.E
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
Tenerife 27.5N 342.E
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
Tenerife 27.5N 342.E
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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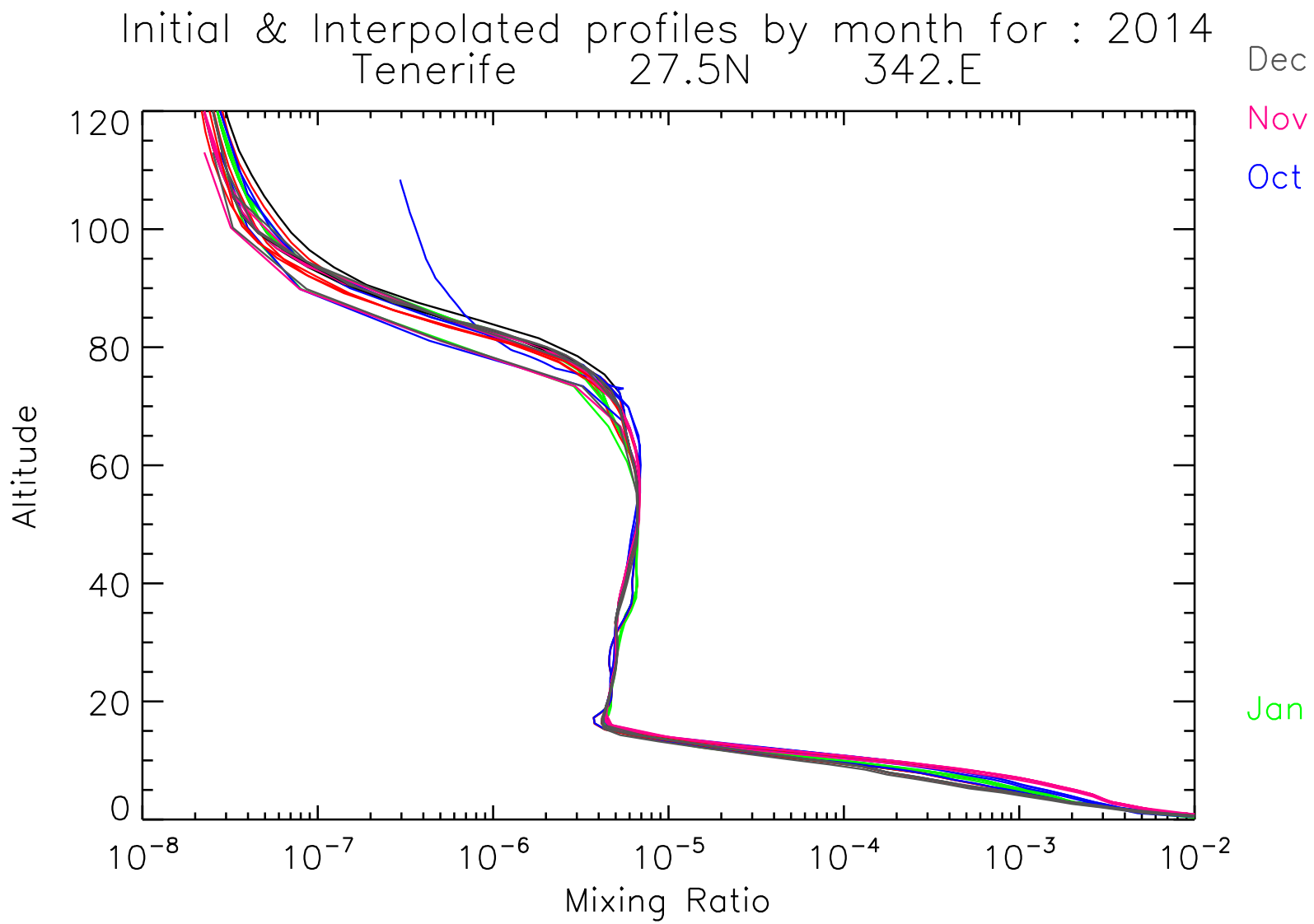
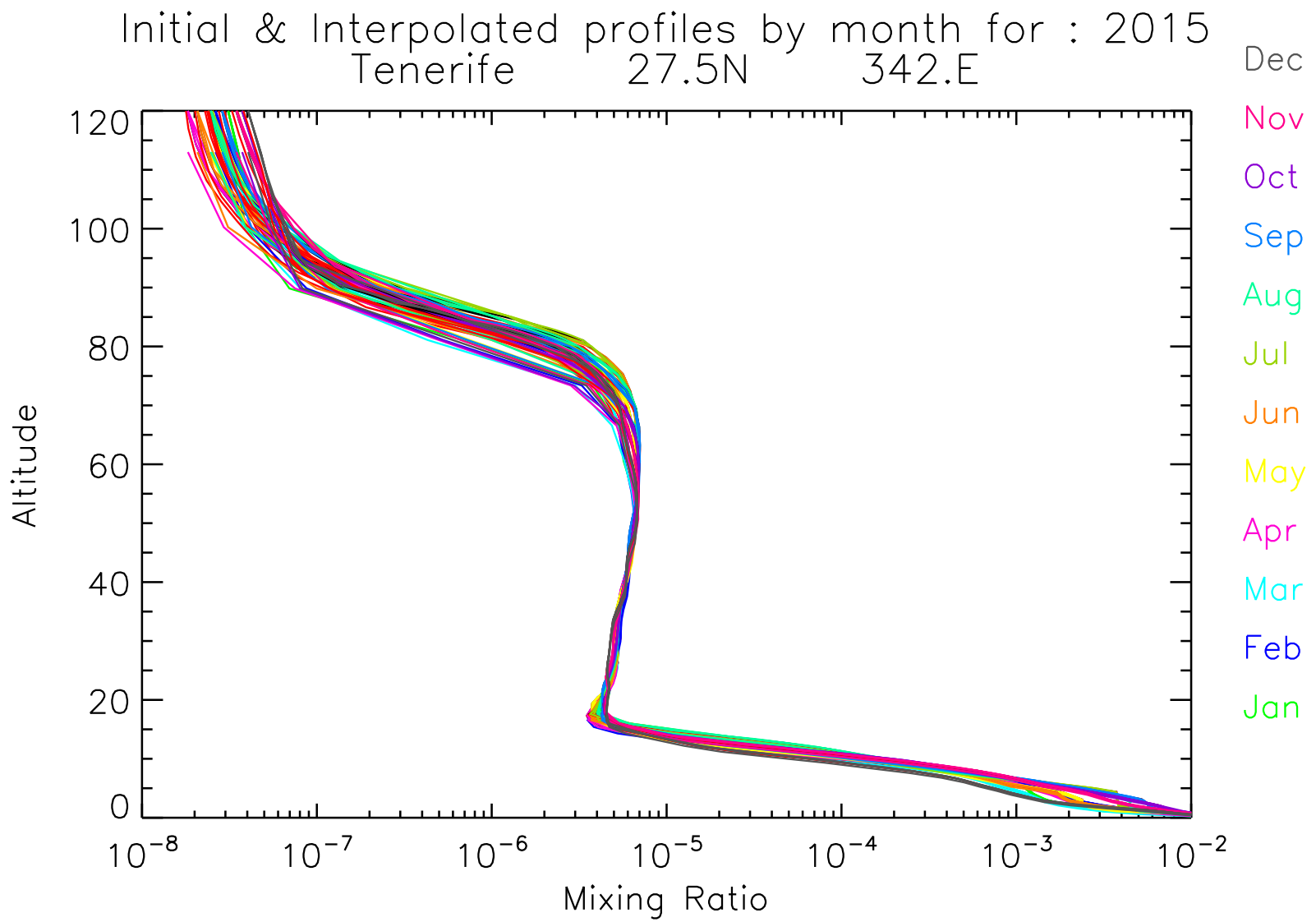
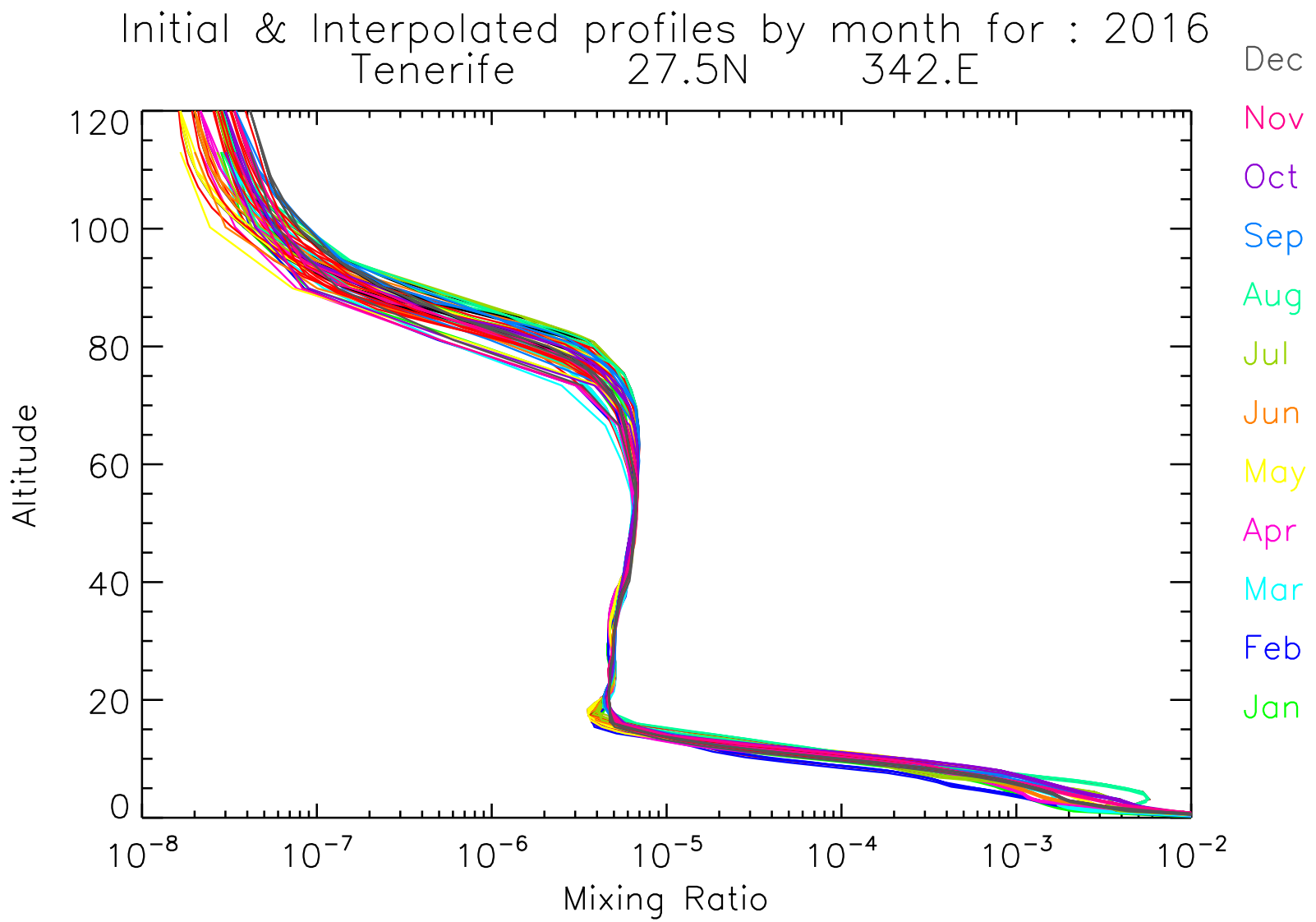
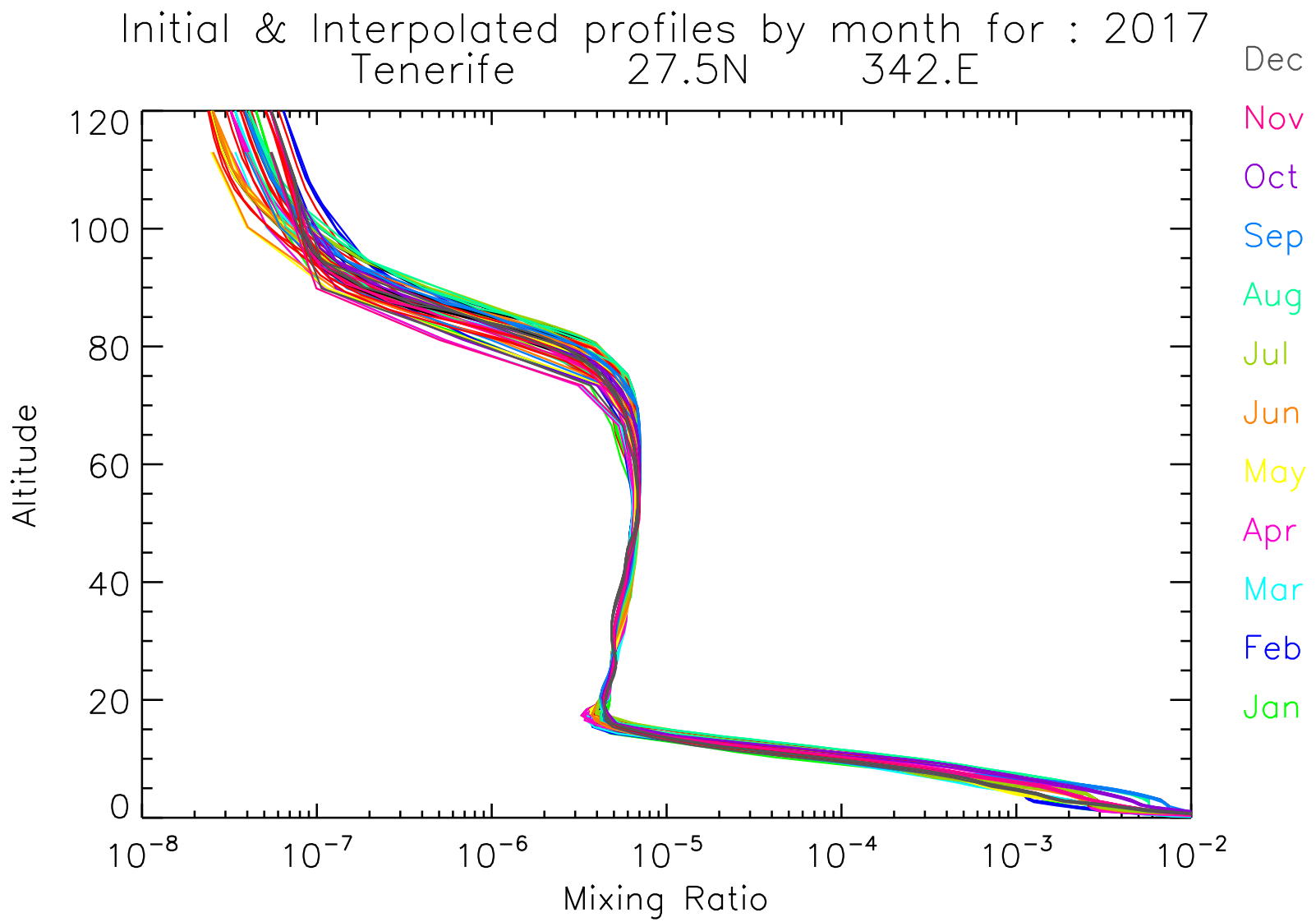
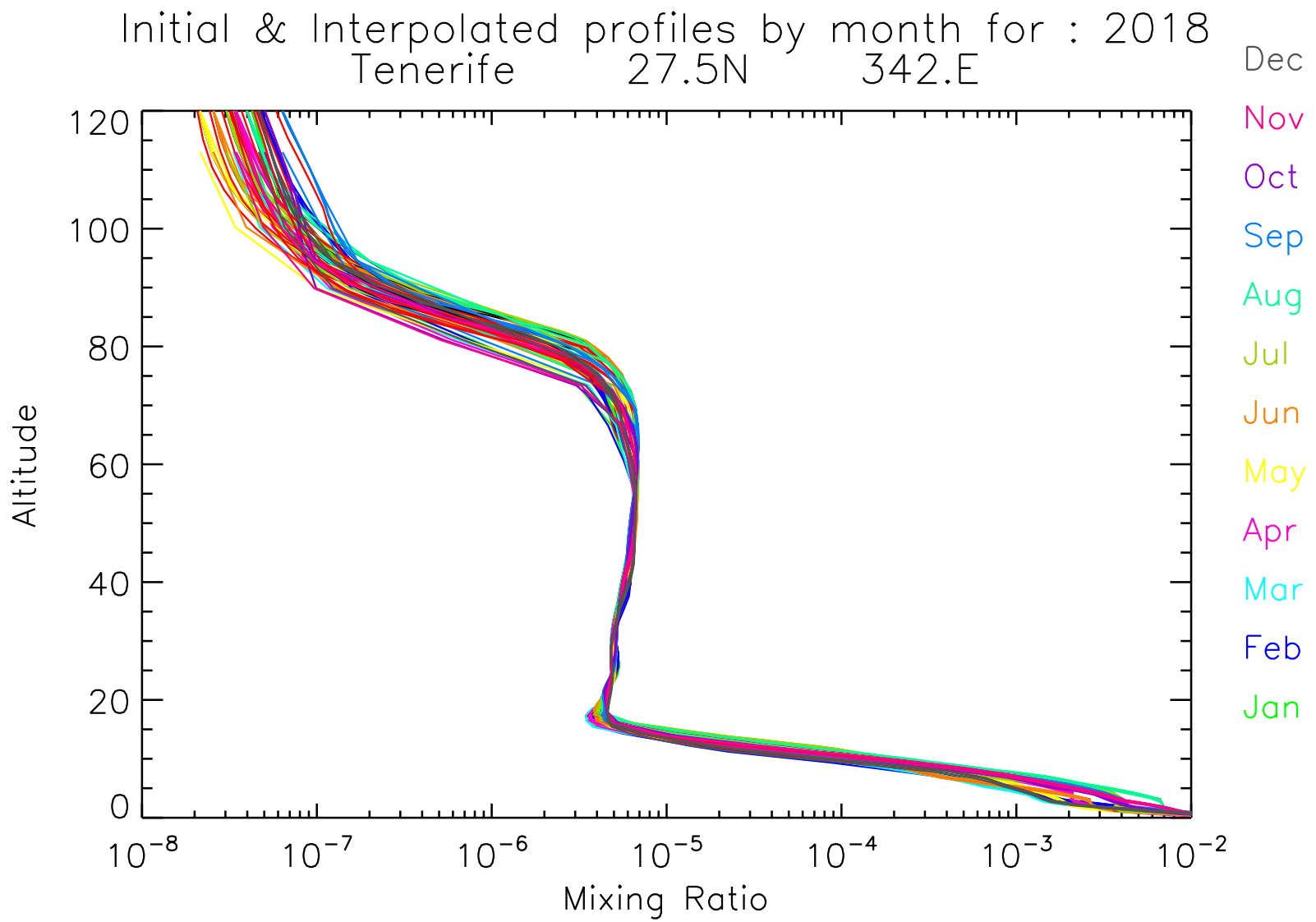
May
Apr
Mar
Feb
Jan

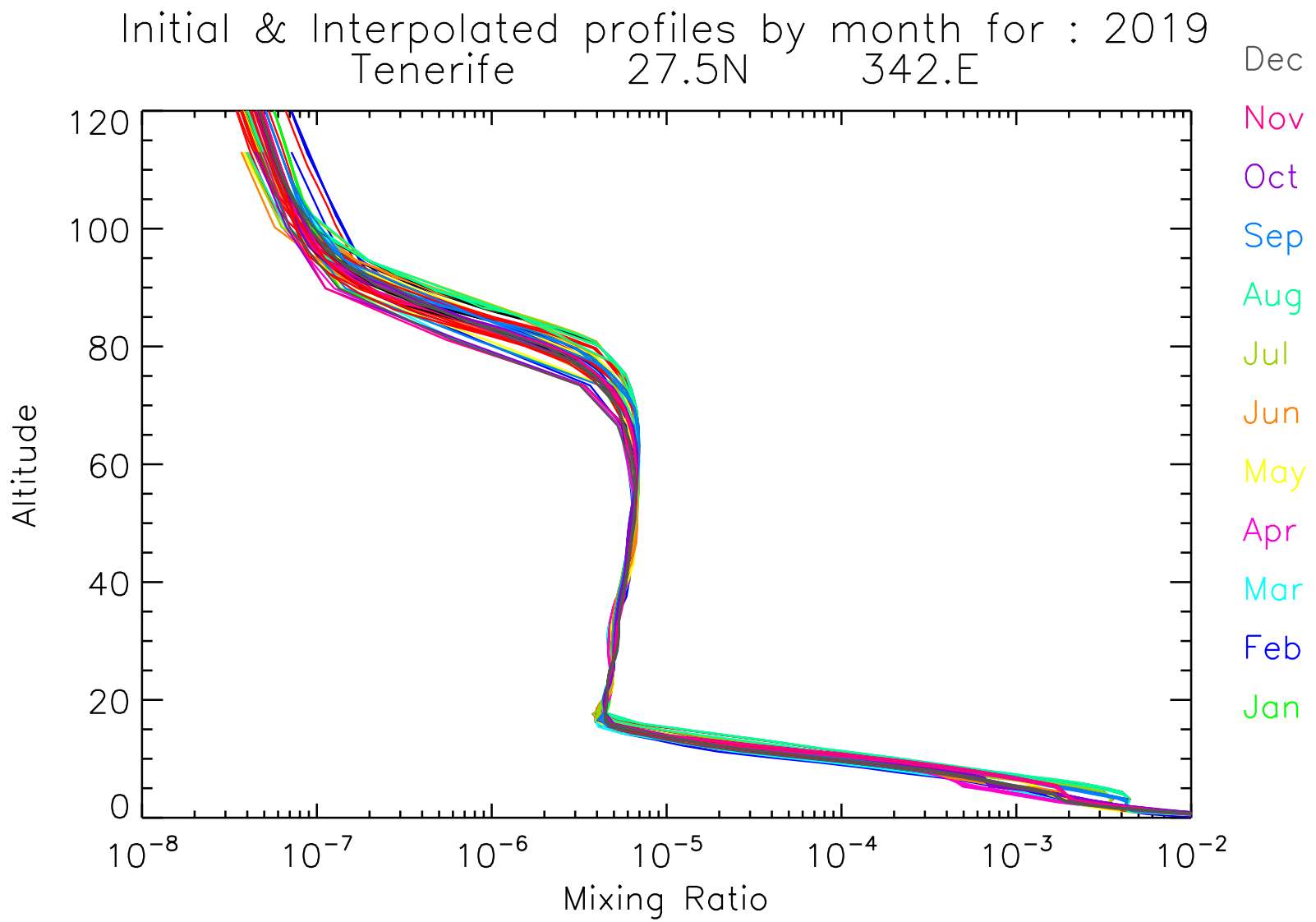

Initial & Interpolated profiles by month for : 2014
Tenerife 27.5N 342.E
Dec
Nov
Oct
Jan
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio

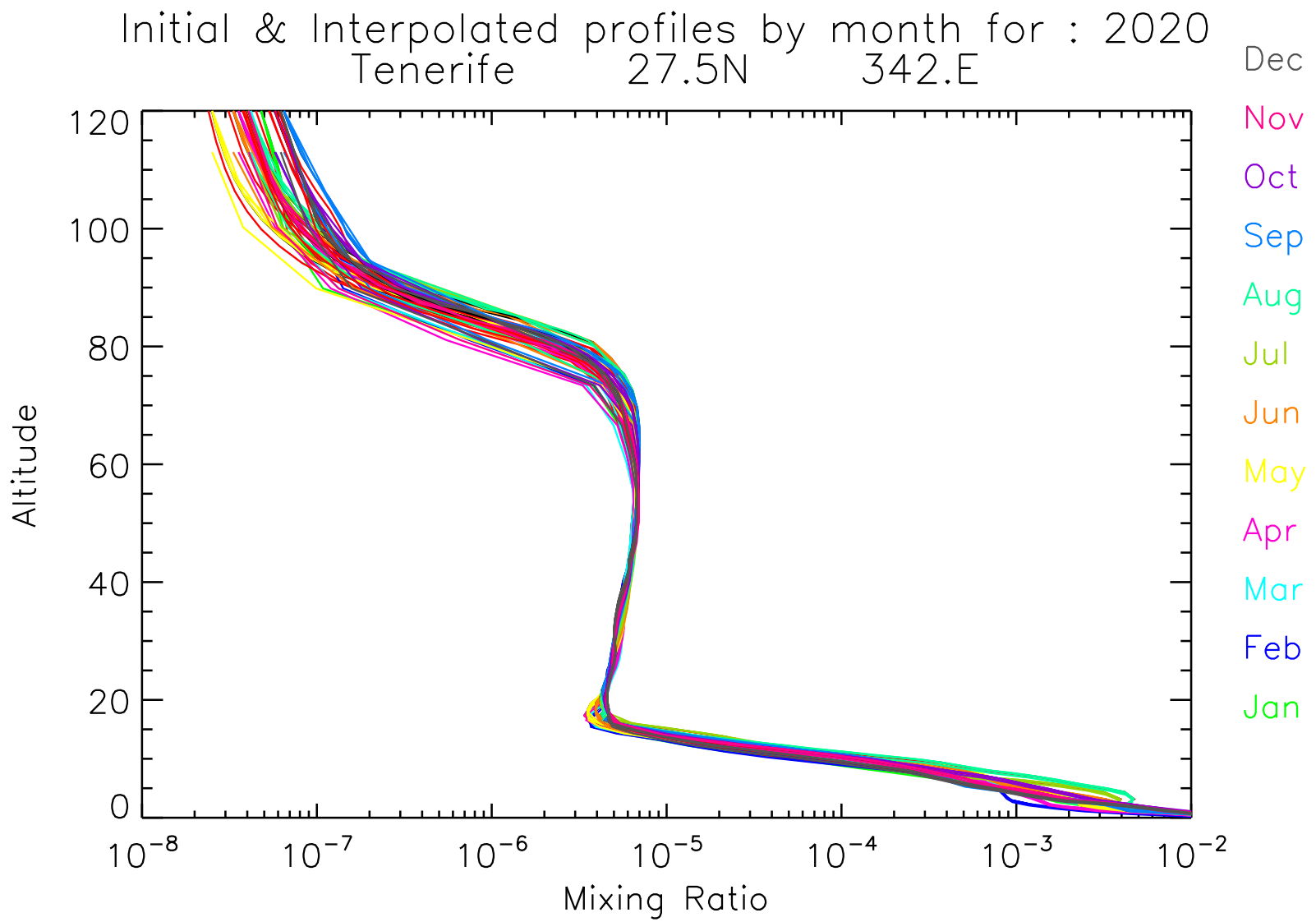

Initial & Interpolated profiles by month for : 2015
Tenerife 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2016
Tenerife 27.5N 342.E
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
Tenerife 27.5N 342.E
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
Tenerife 27.5N 342.E
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
Tenerife 27.5N 342.E
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 : 2020
Tenerife 27.5N 342.E
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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Apr
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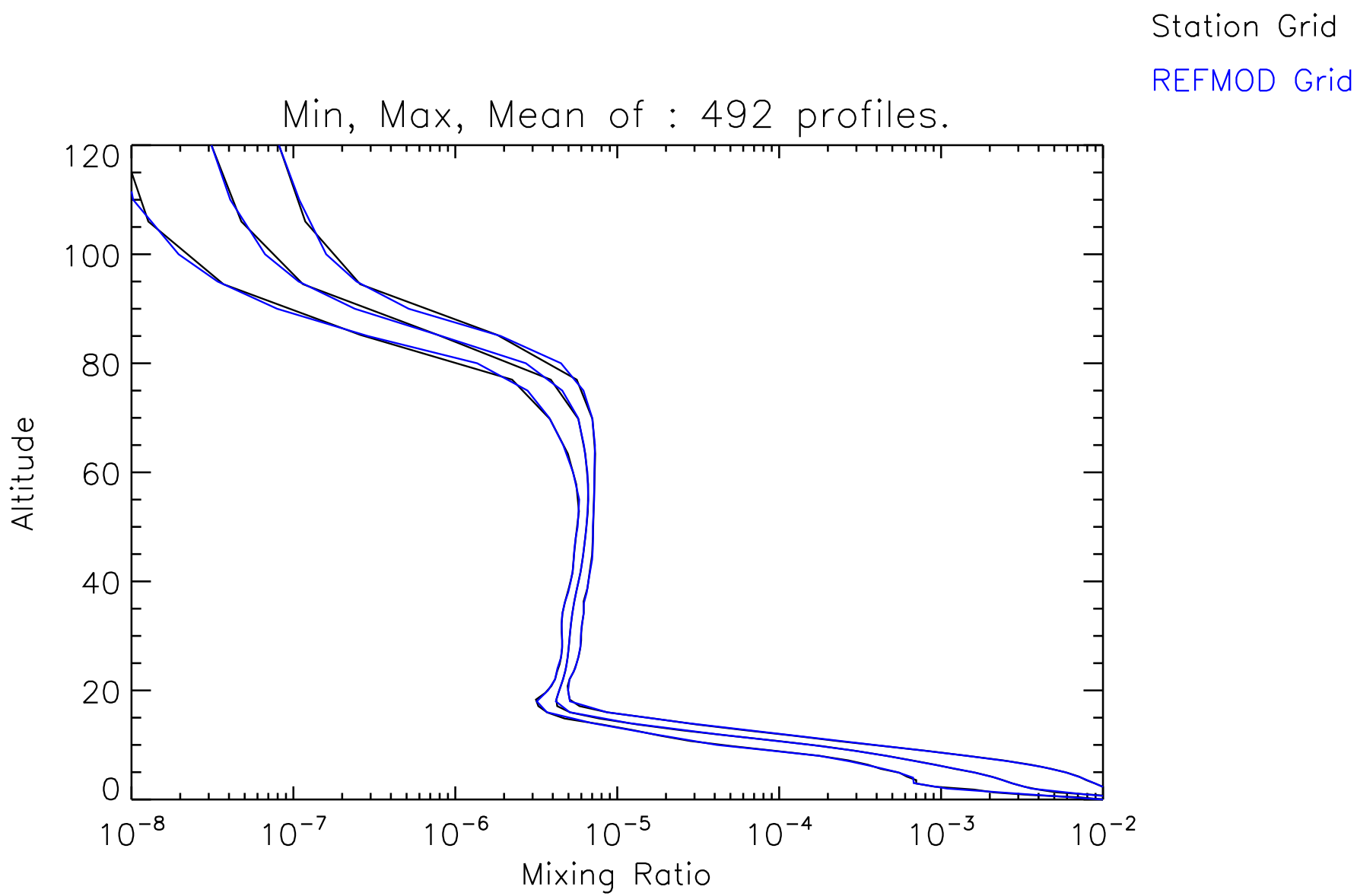
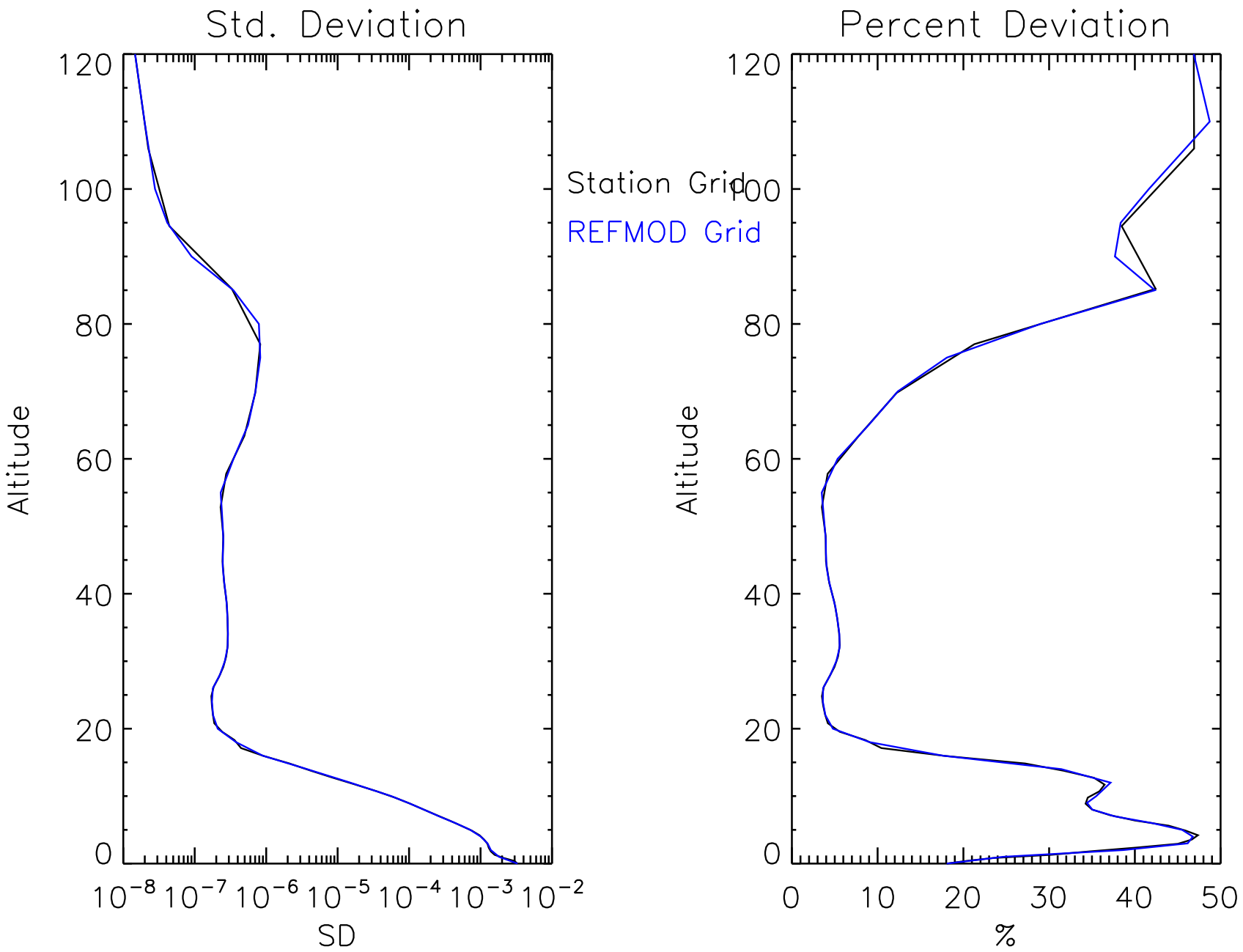
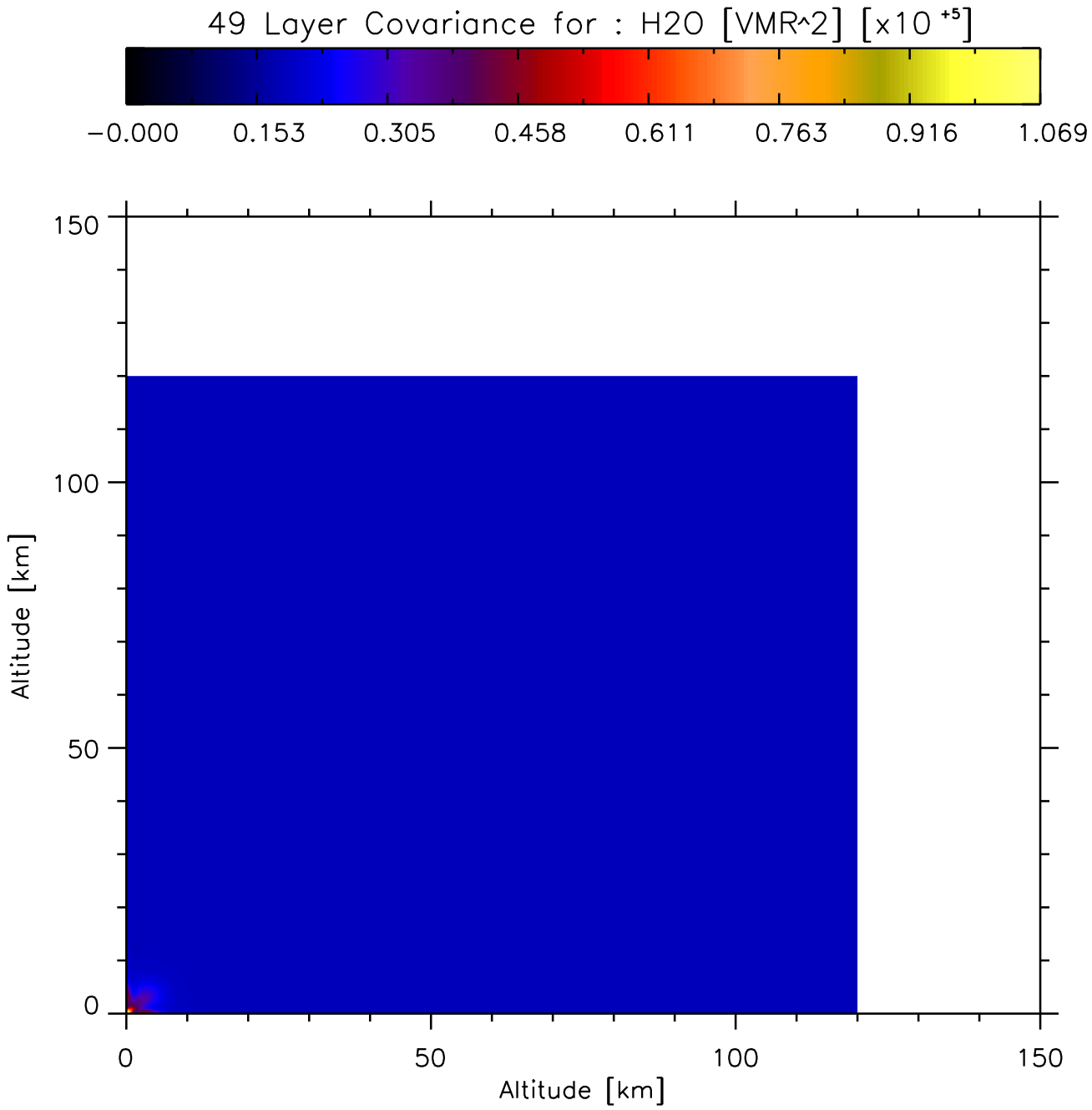
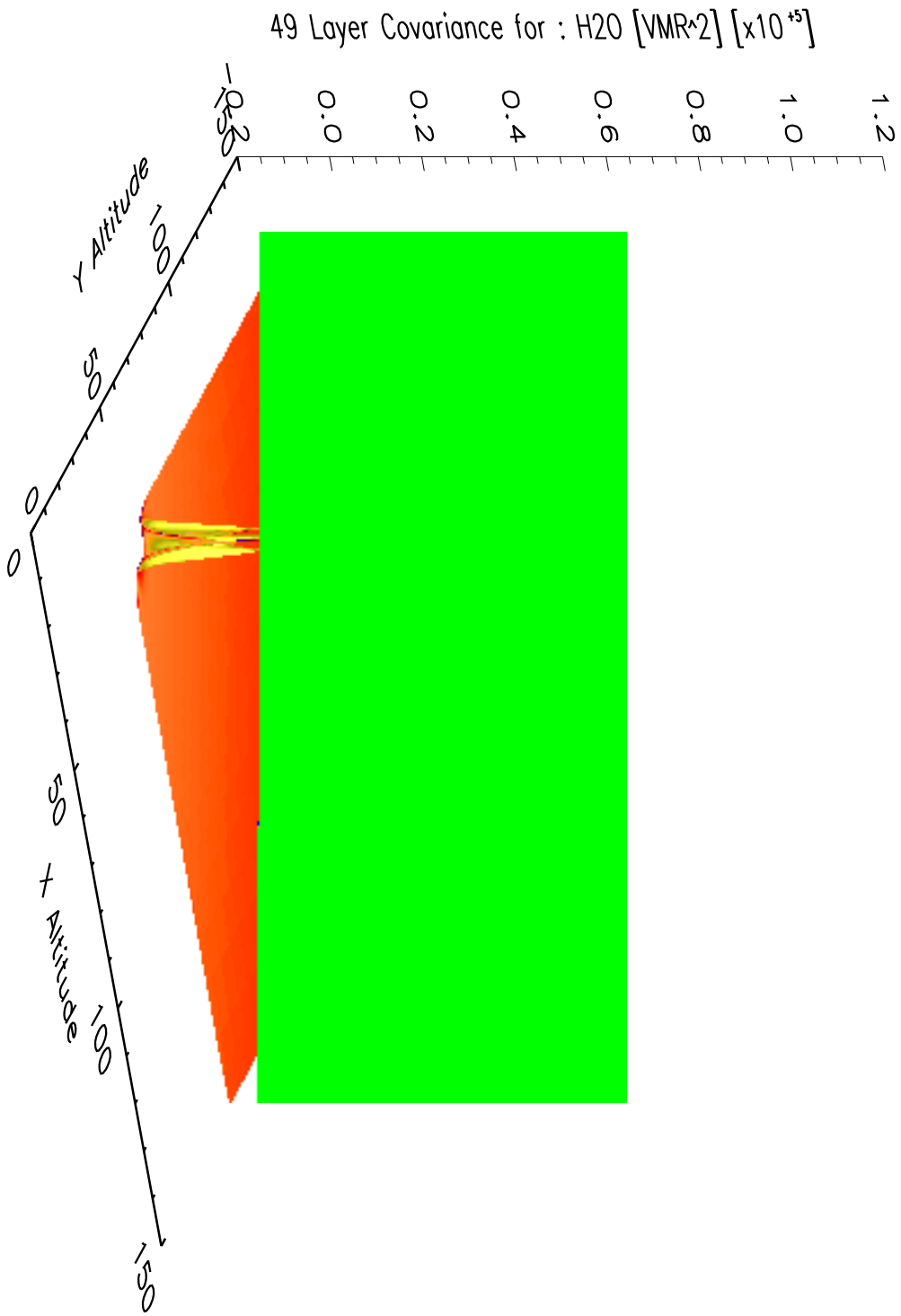
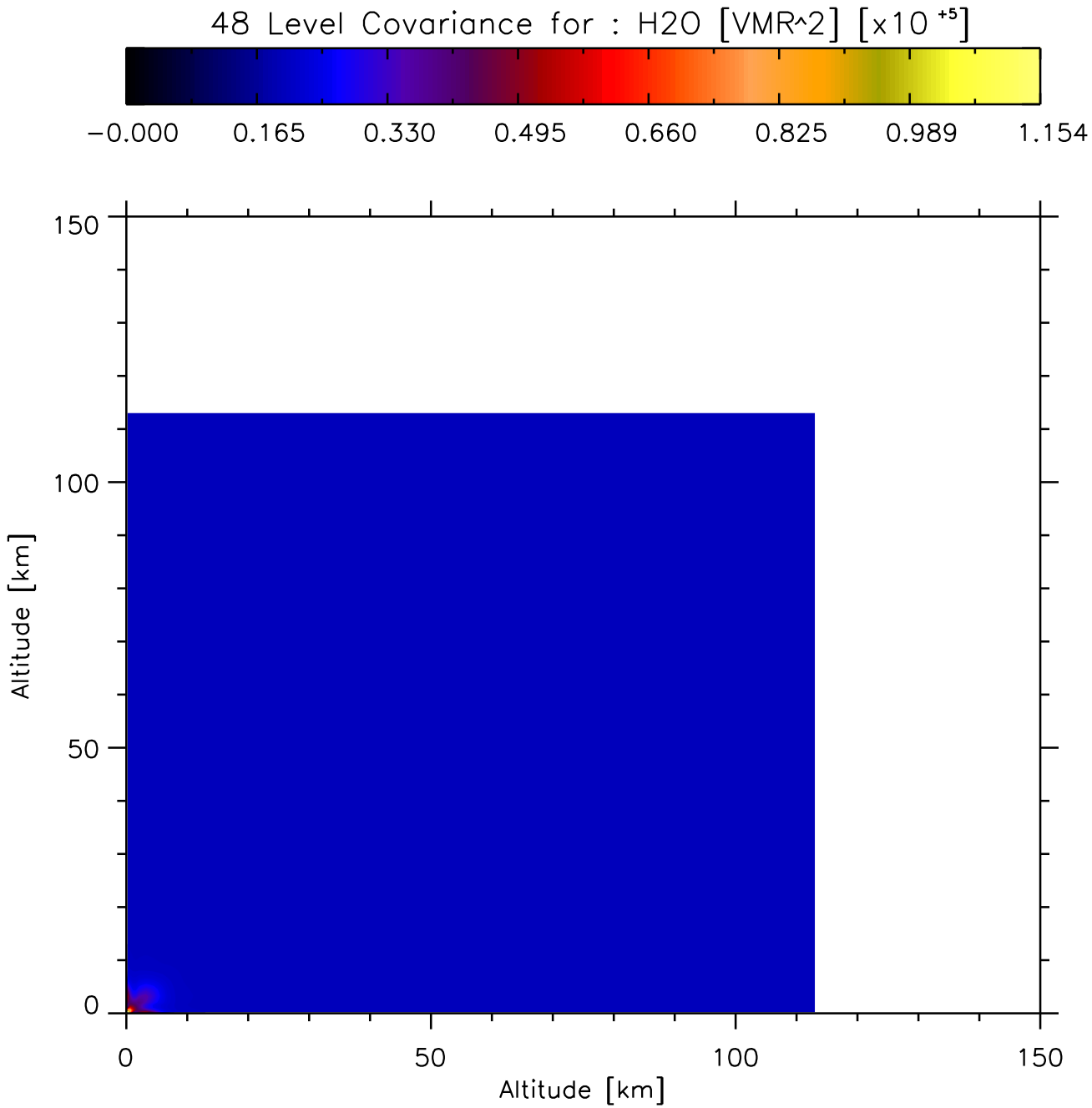
Feb
Jan


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 10 20 30 40 50
%


49 Layer Covariance for : H2O [VMR^2] [x10 +5]
−0.000
0.153
0.305
0.458
0.611
0.763
0.916
1.069
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : H20 [VMR^2] [x10^-5]
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
0
50
X Altitude
100


48 Level Covariance for : H2O [VMR^2] [x10 +5]
−0.000
0.165
0.330
0.495
0.660
0.825
0.989
1.154
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : H2O [VMR^2] [x10^+5]
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
0
50
100
X Altitude