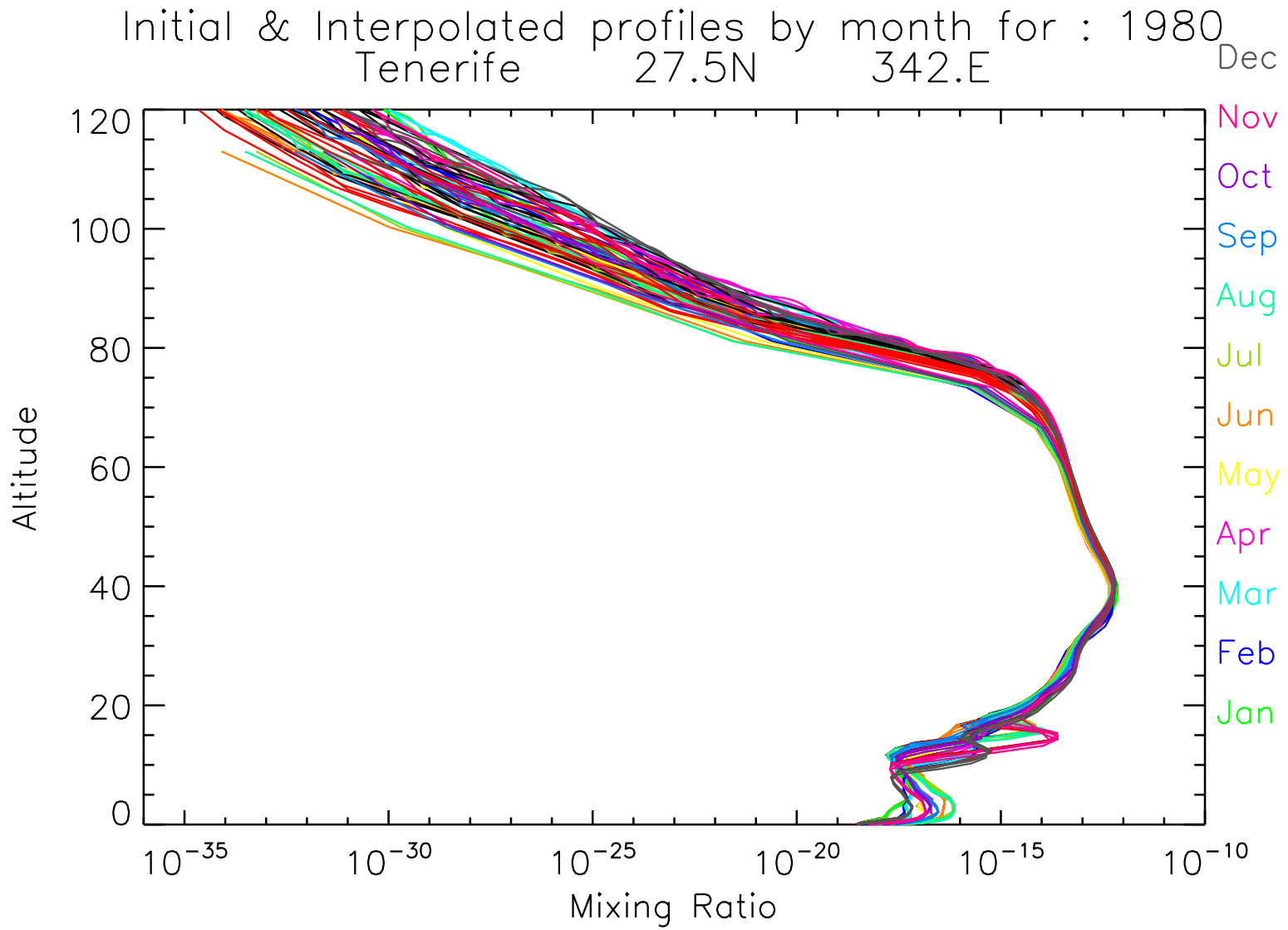
Initial & Interpolated profiles by month for : 1980
Tenerife 27.5N 342.E
Dec
Nov
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Altitude
120
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10^{-15}
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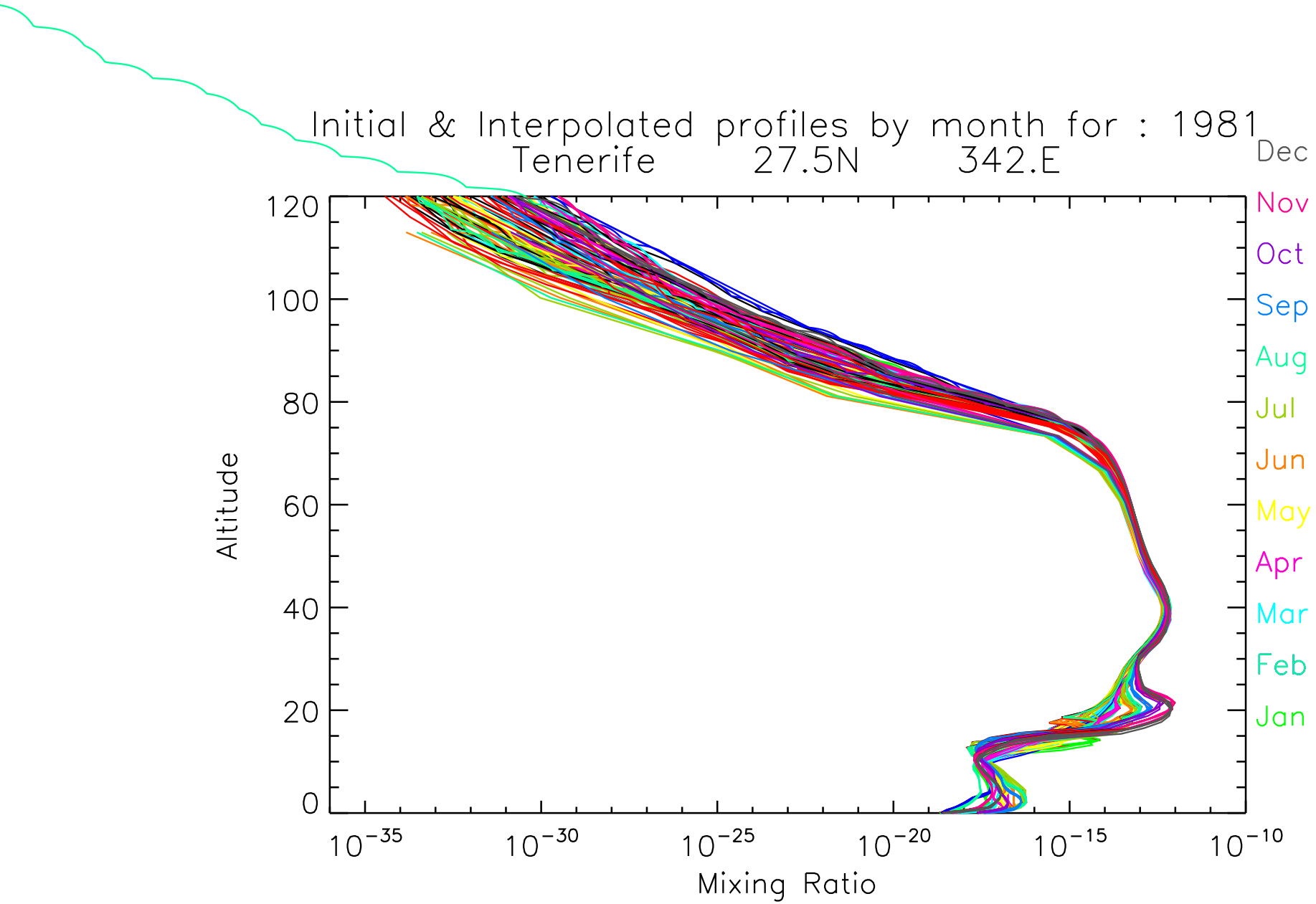
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Tenerife 27.5N 342.E
Dec
Nov
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Apr
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Feb
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120
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Altitude
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10^{-15}
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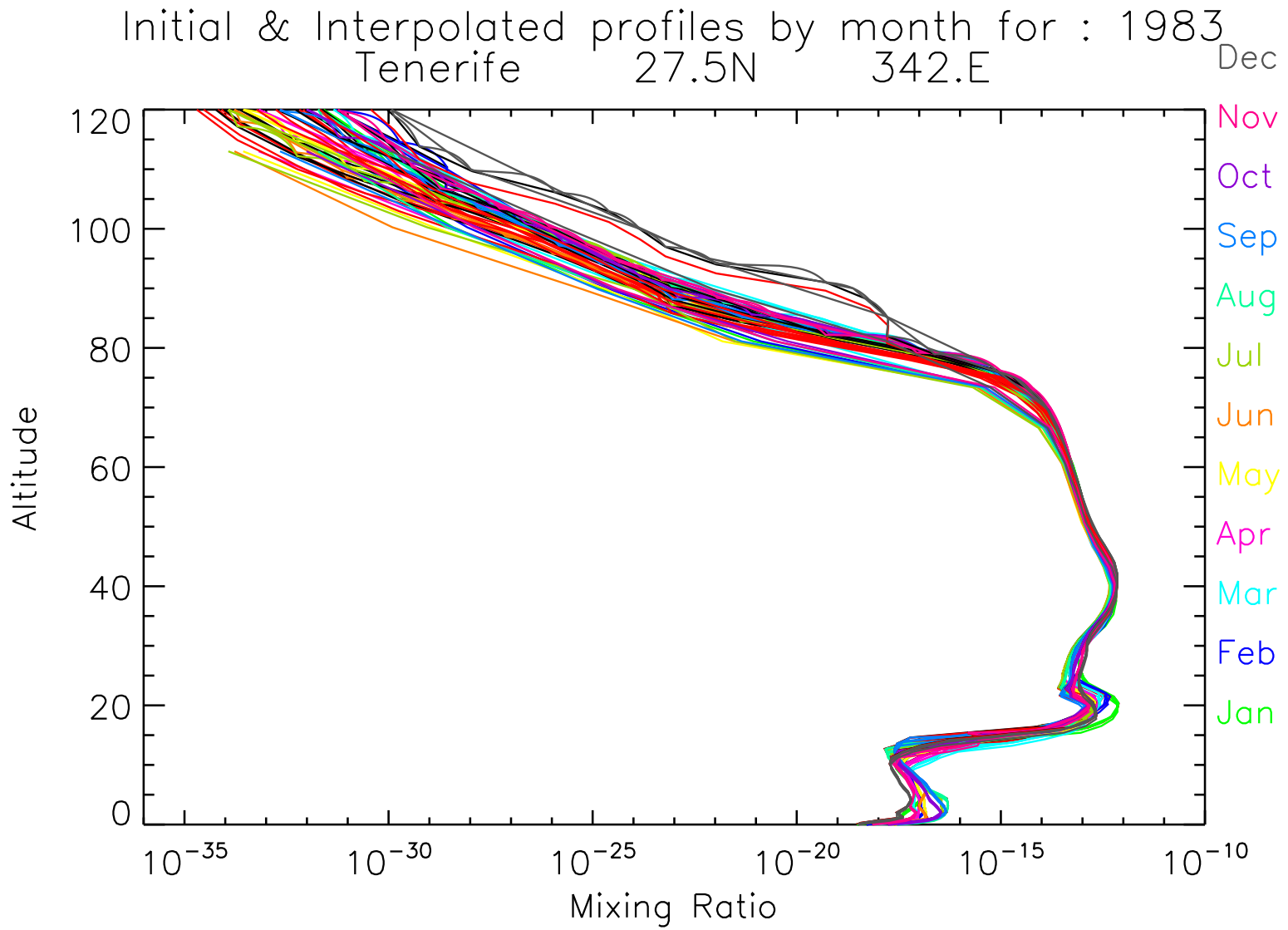
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Tenerife 27.5N 342.E
Dec
Nov
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May
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120
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Altitude
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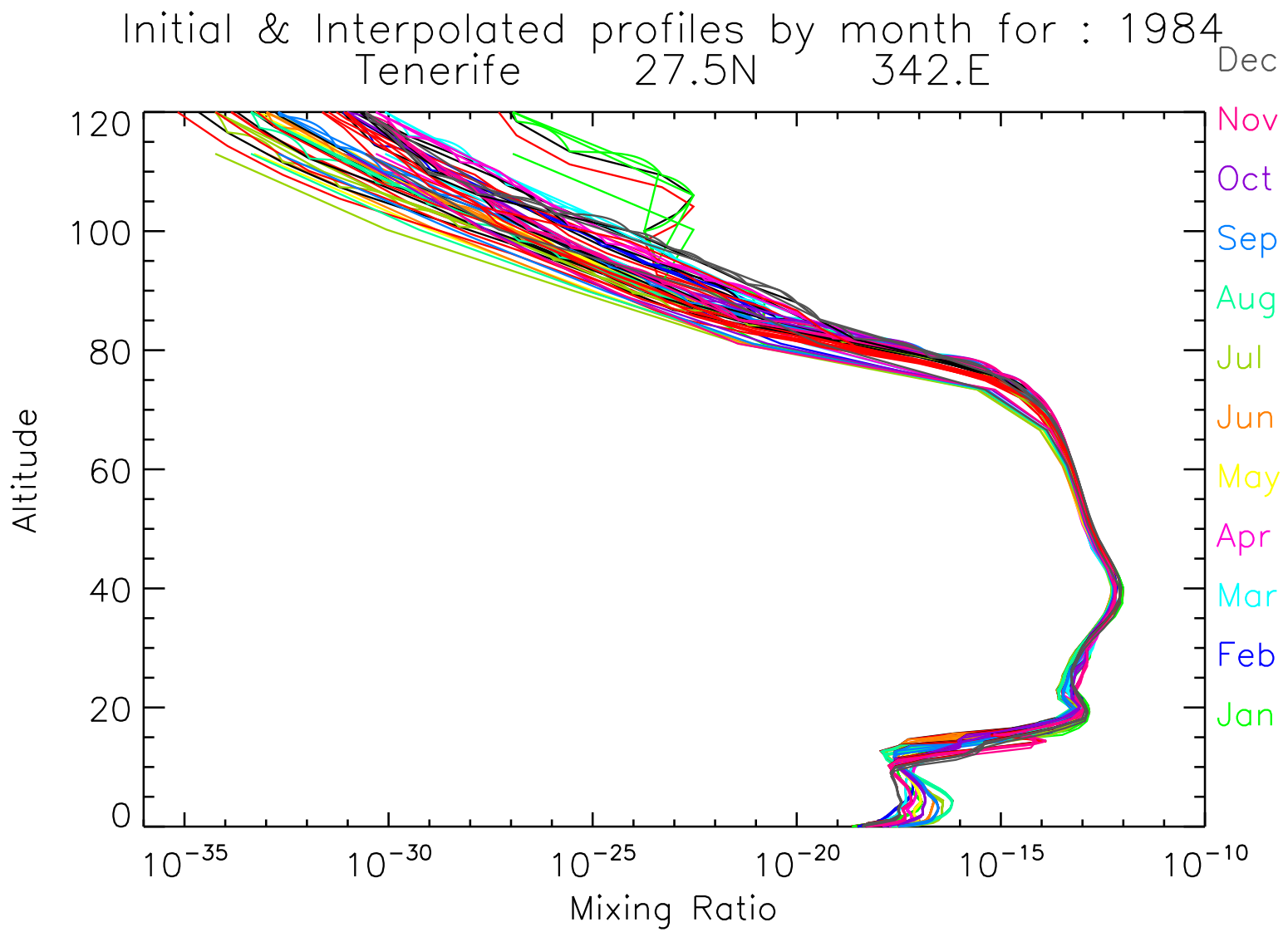
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Tenerife 27.5N 342.E
Dec
Nov
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120
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Altitude
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10^{-20}
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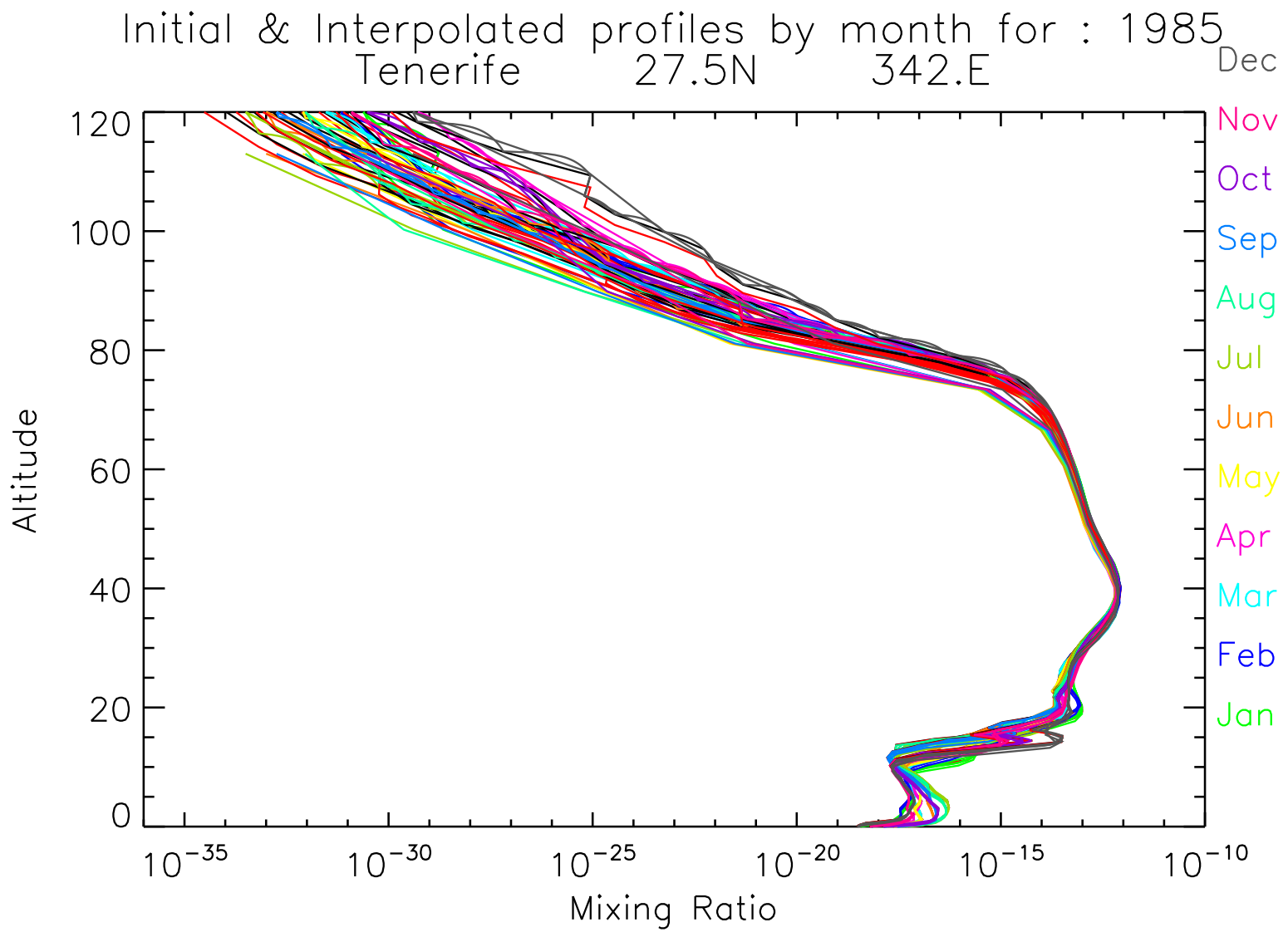
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Tenerife 27.5N 342.E
Dec
Nov
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Altitude
120
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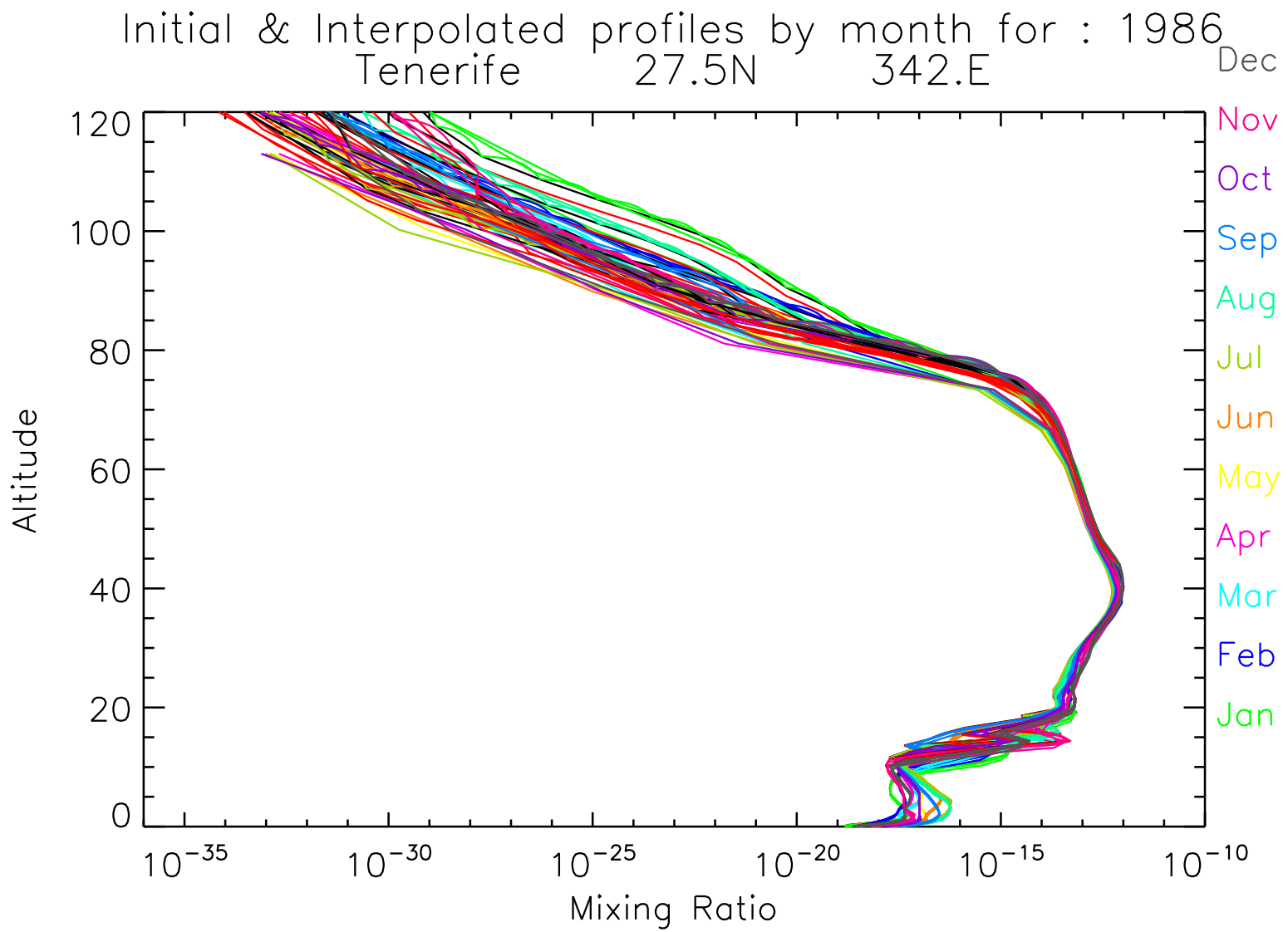
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Tenerife 27.5N 342.E
Dec
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Altitude
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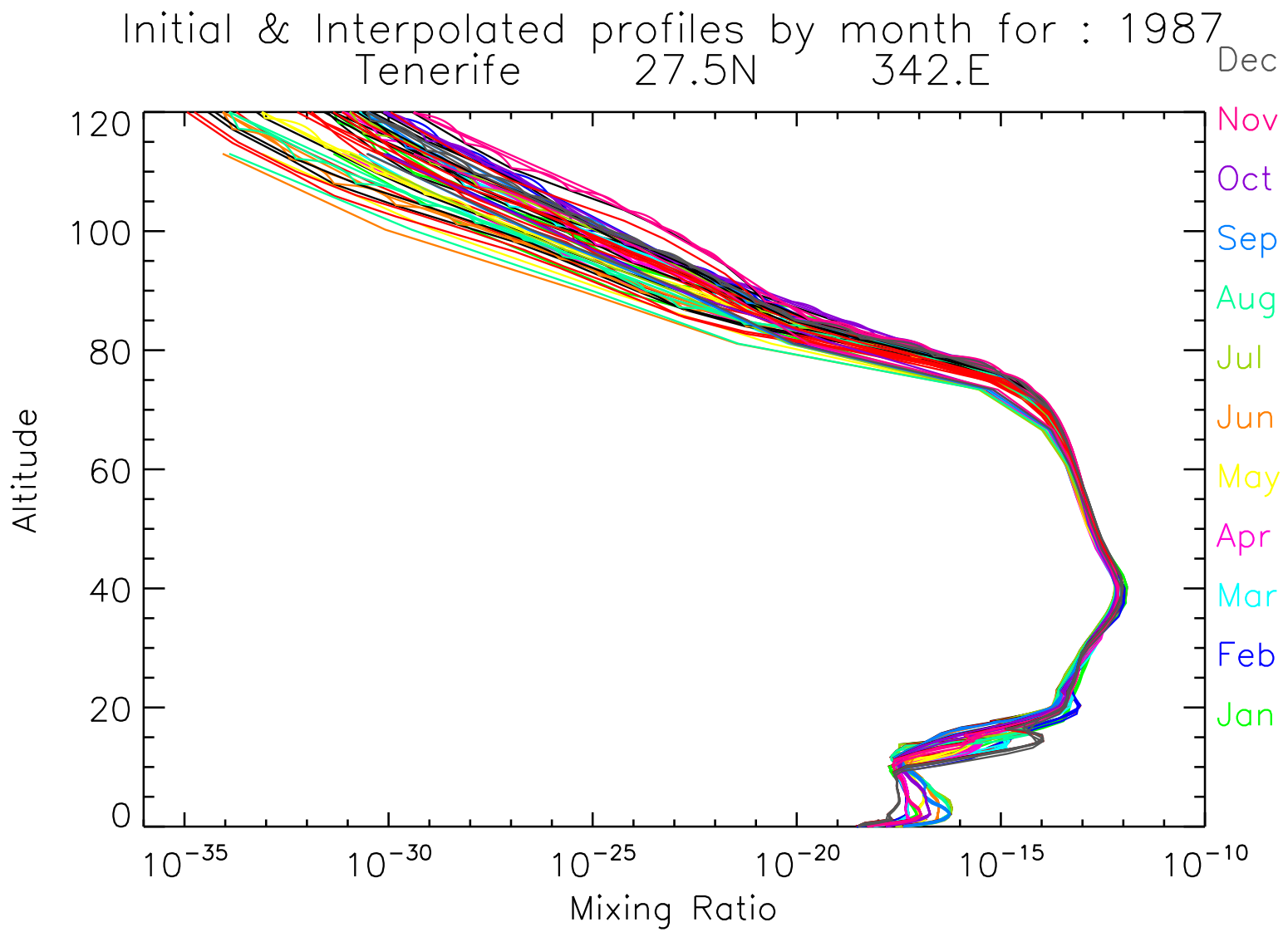
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Tenerife 27.5N 342.E
Dec
Nov
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Altitude
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10^{-20}
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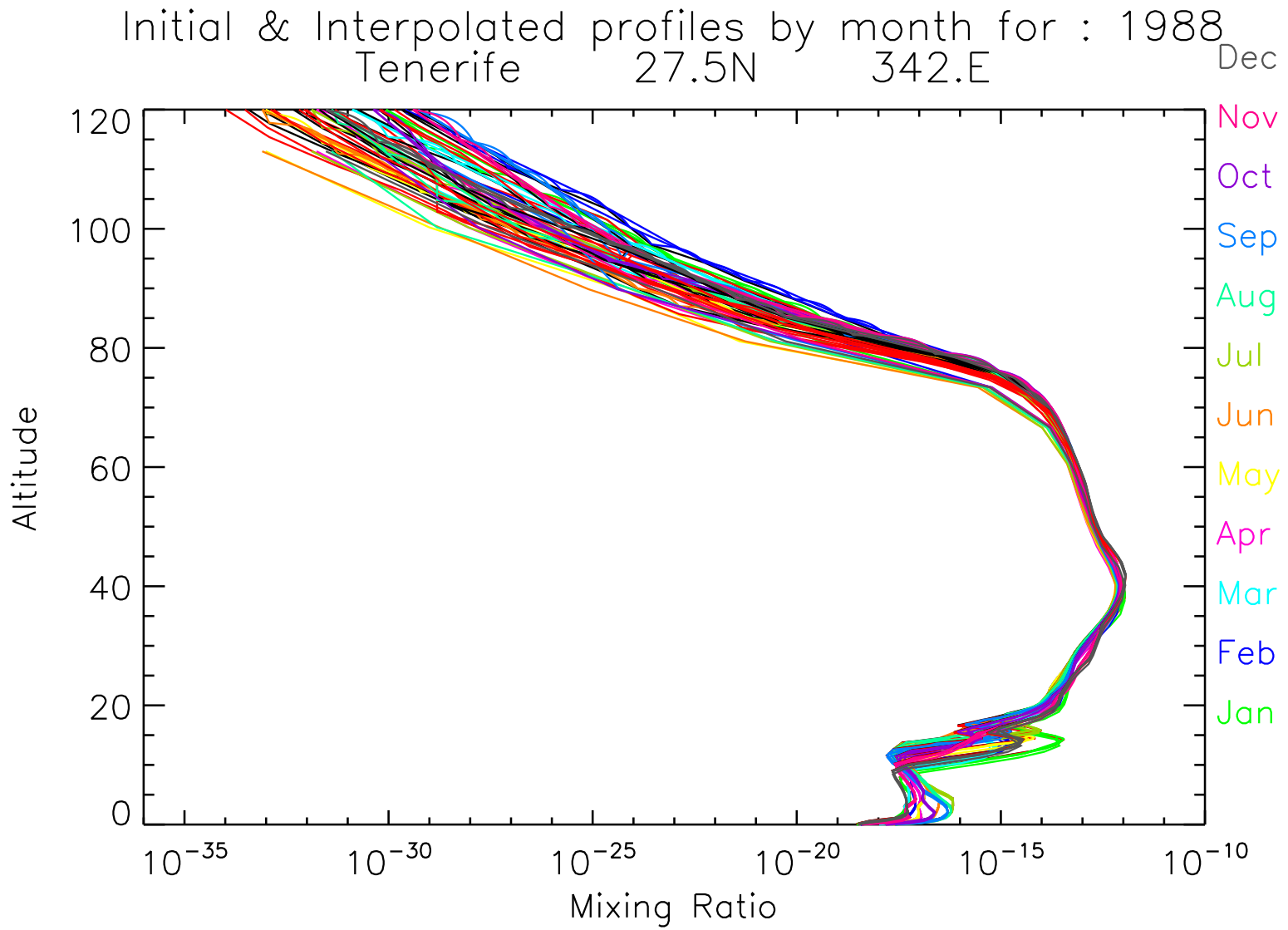
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Tenerife 27.5N 342.E
Dec
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Altitude
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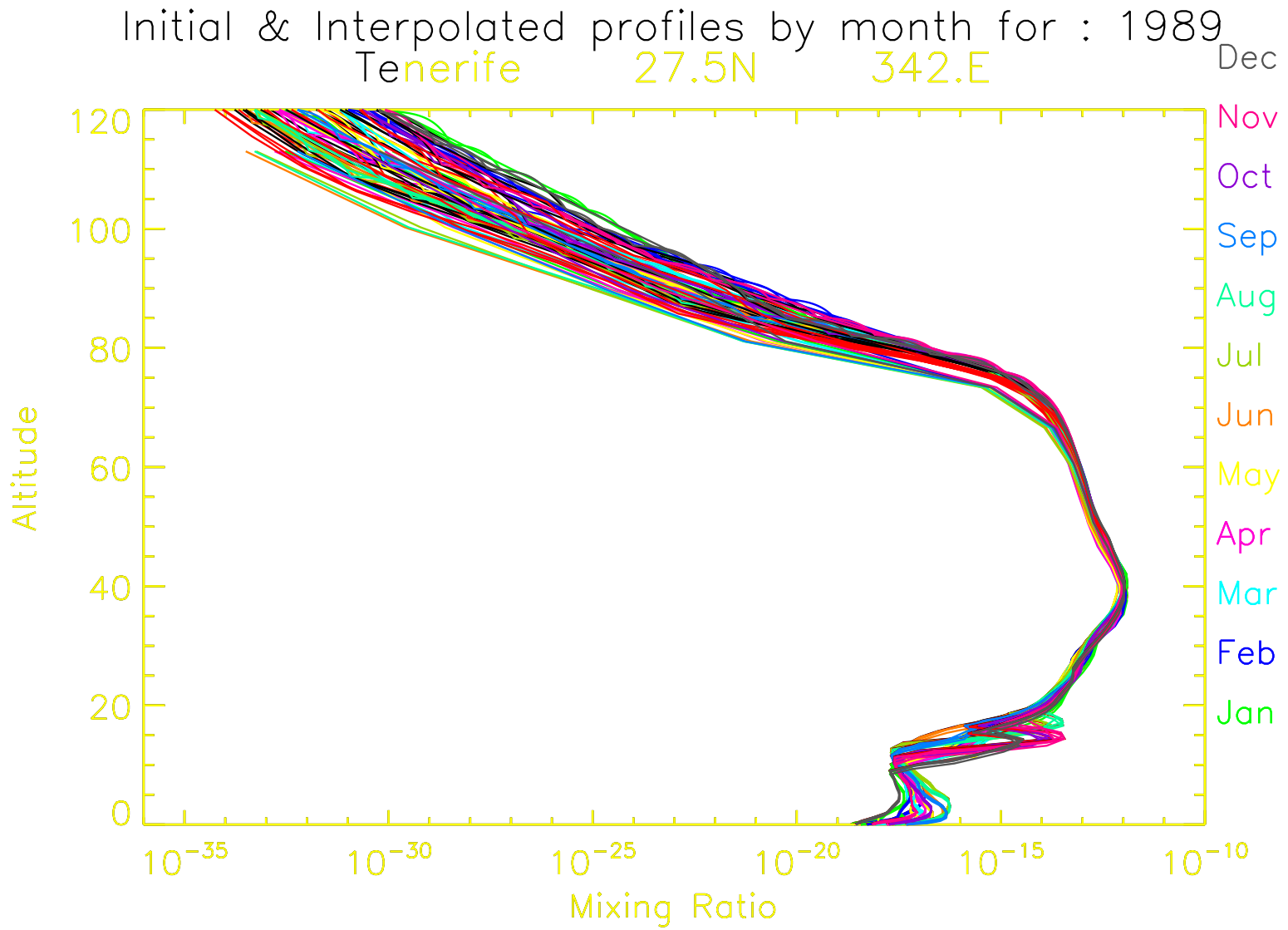
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Tenerife 27.5N 342.E
Dec
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Altitude
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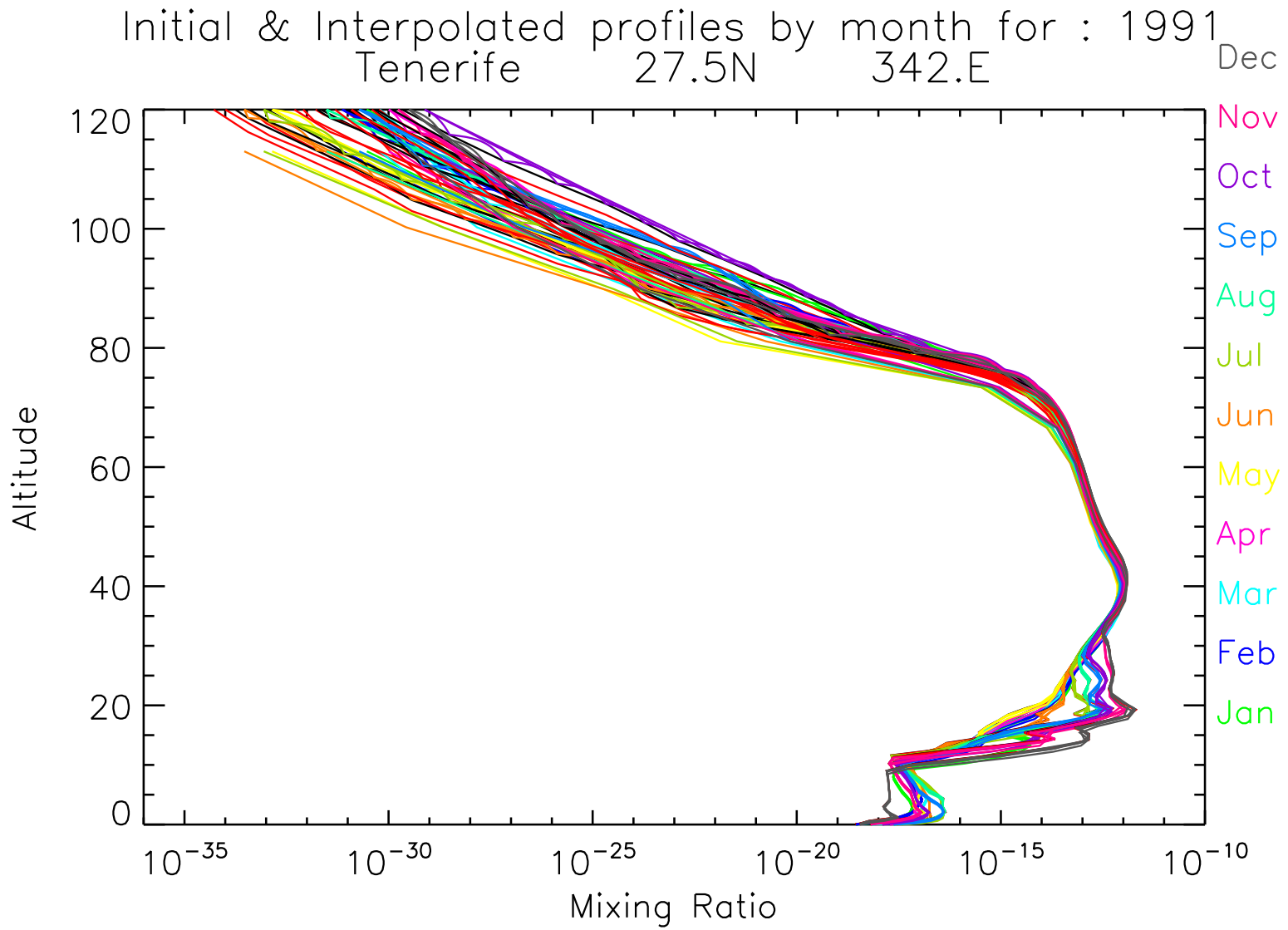
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Tenerife 27.5N 342.E
Dec
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Altitude
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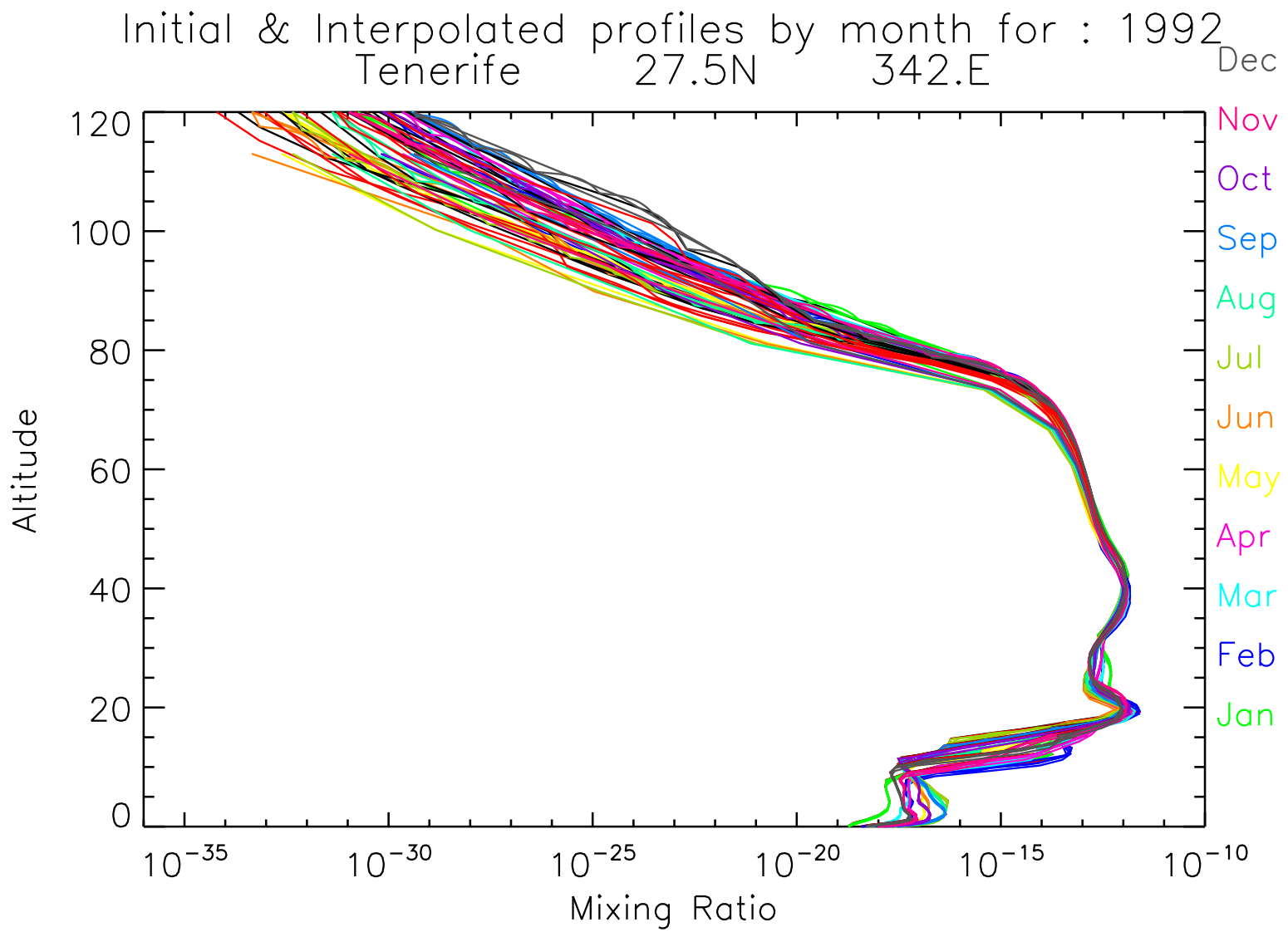
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Tenerife 27.5N 342.E
Dec
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Altitude
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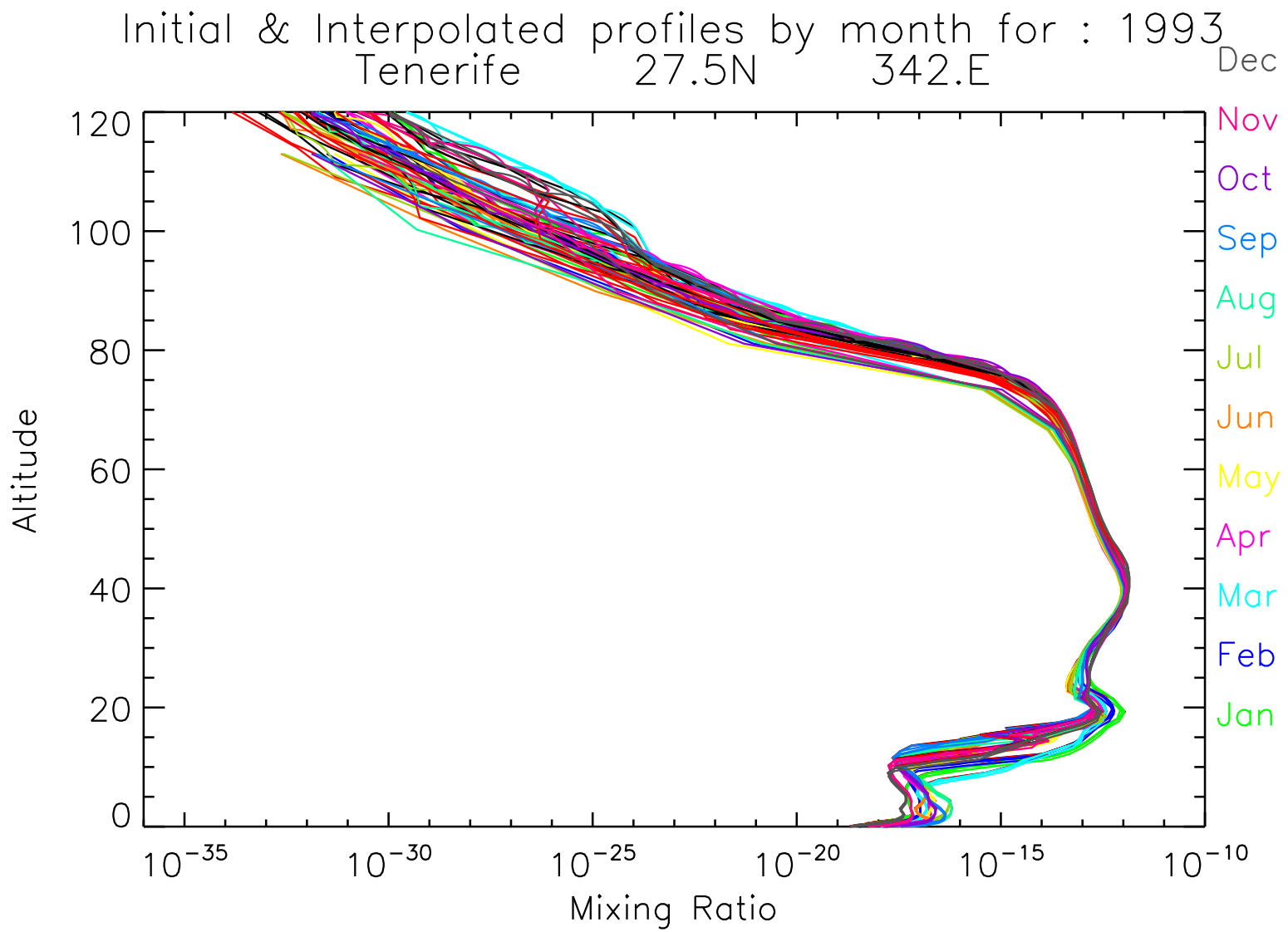
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Tenerife 27.5N 342.E
Dec
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Altitude
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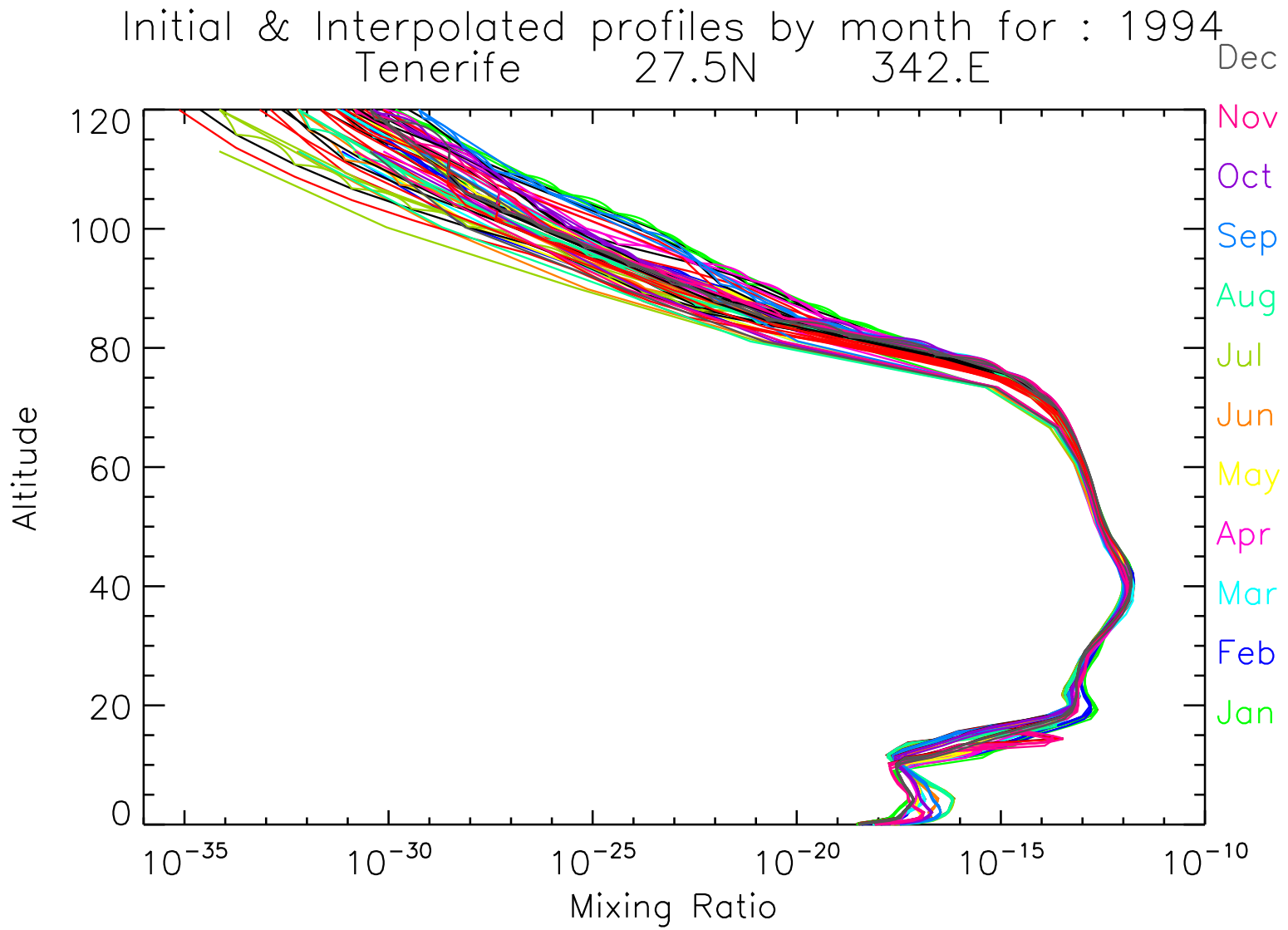
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Tenerife 27.5N 342.E
Dec
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Altitude
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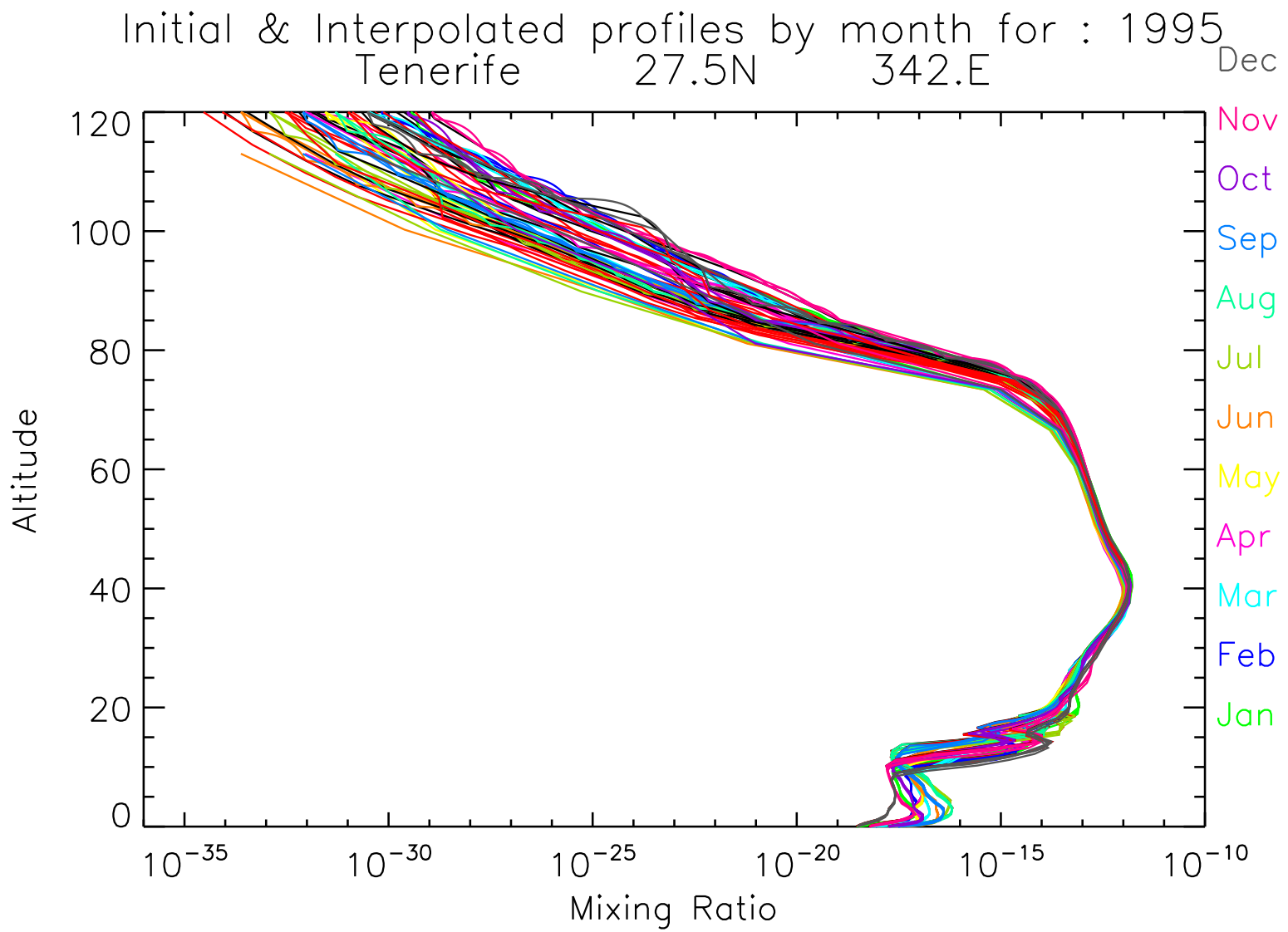
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Tenerife 27.5N 342.E
Dec
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Altitude
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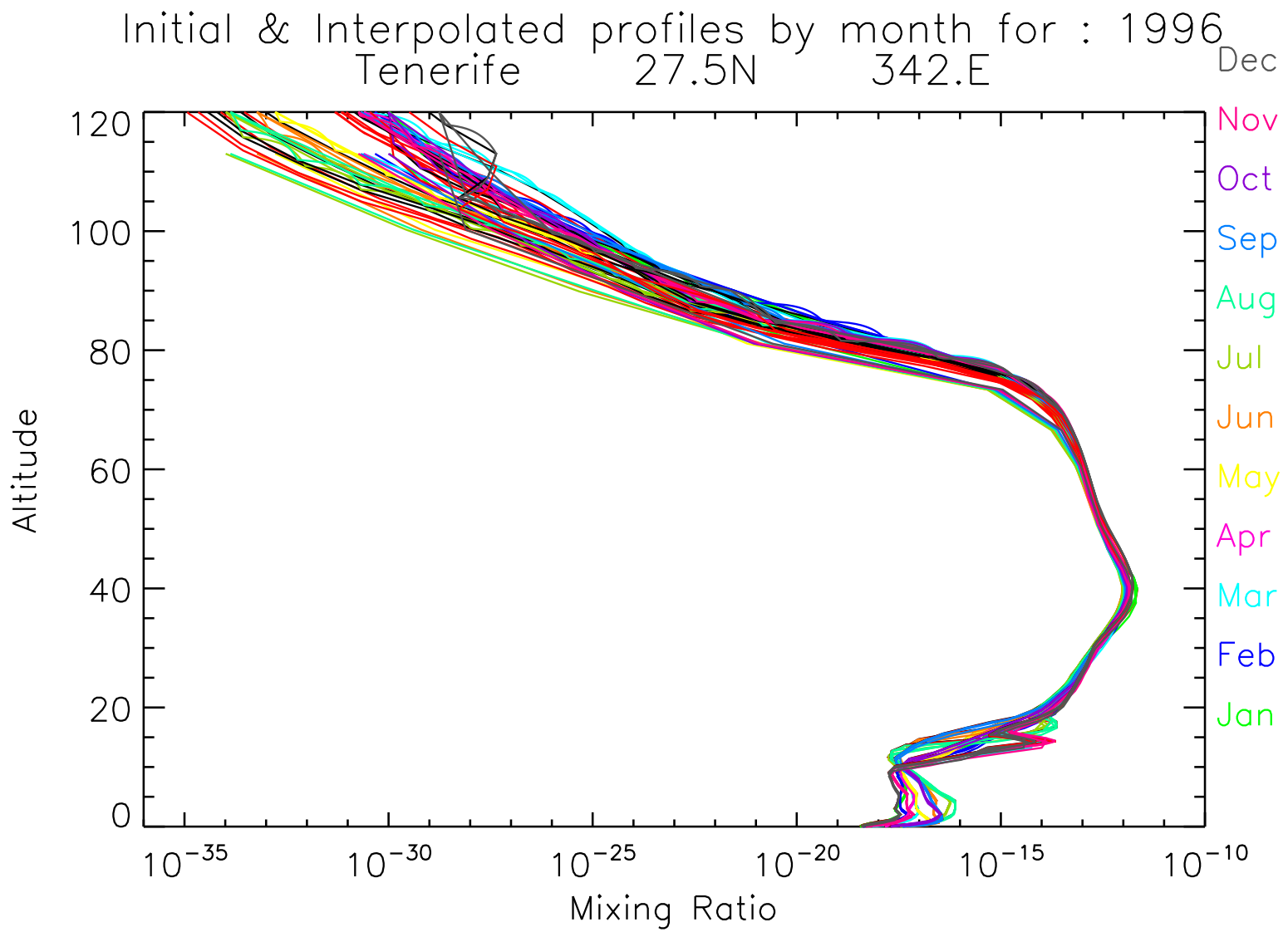
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Tenerife 27.5N 342.E
Dec
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Altitude
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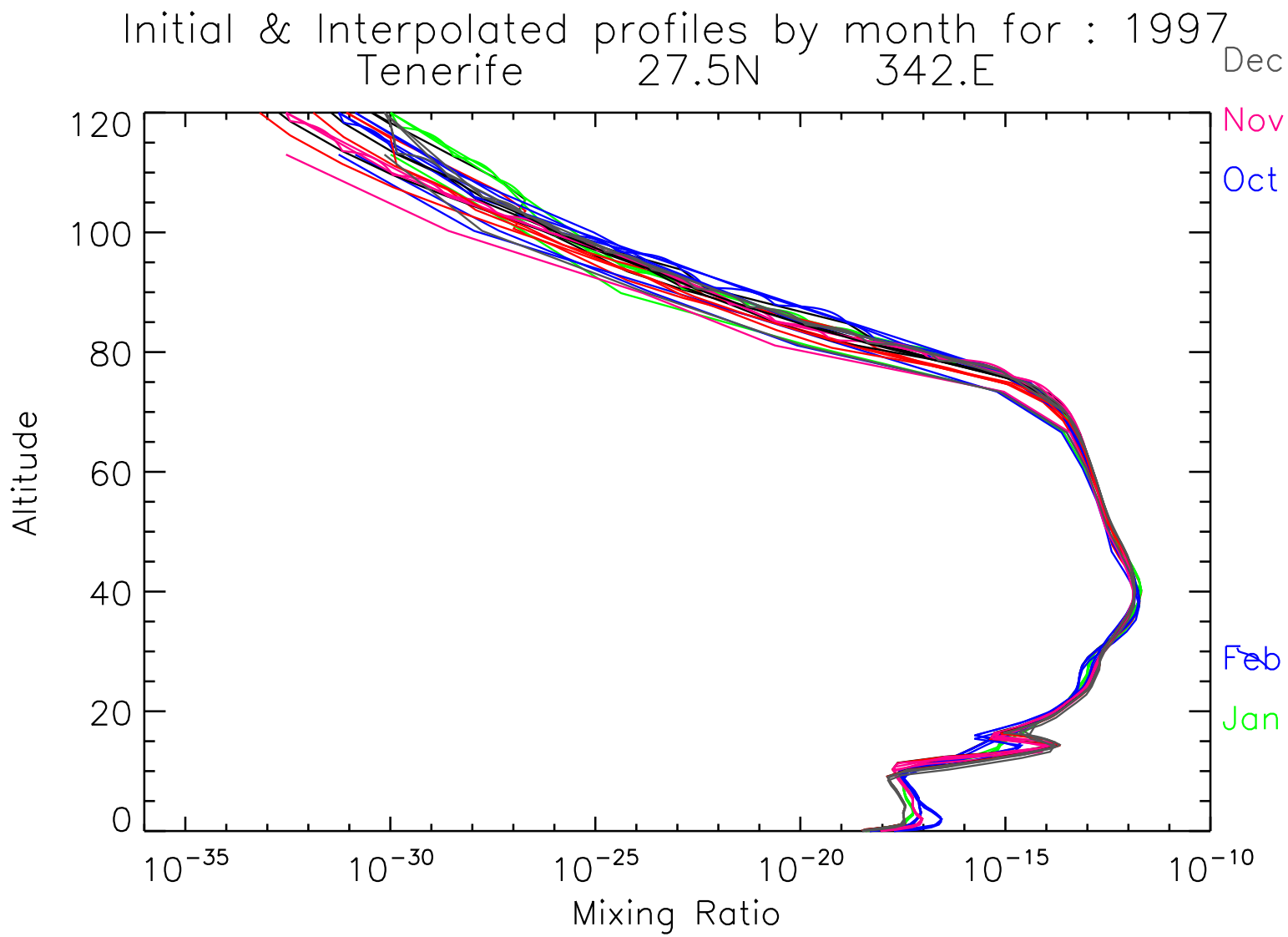
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Tenerife 27.5N 342.E
Dec
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Altitude
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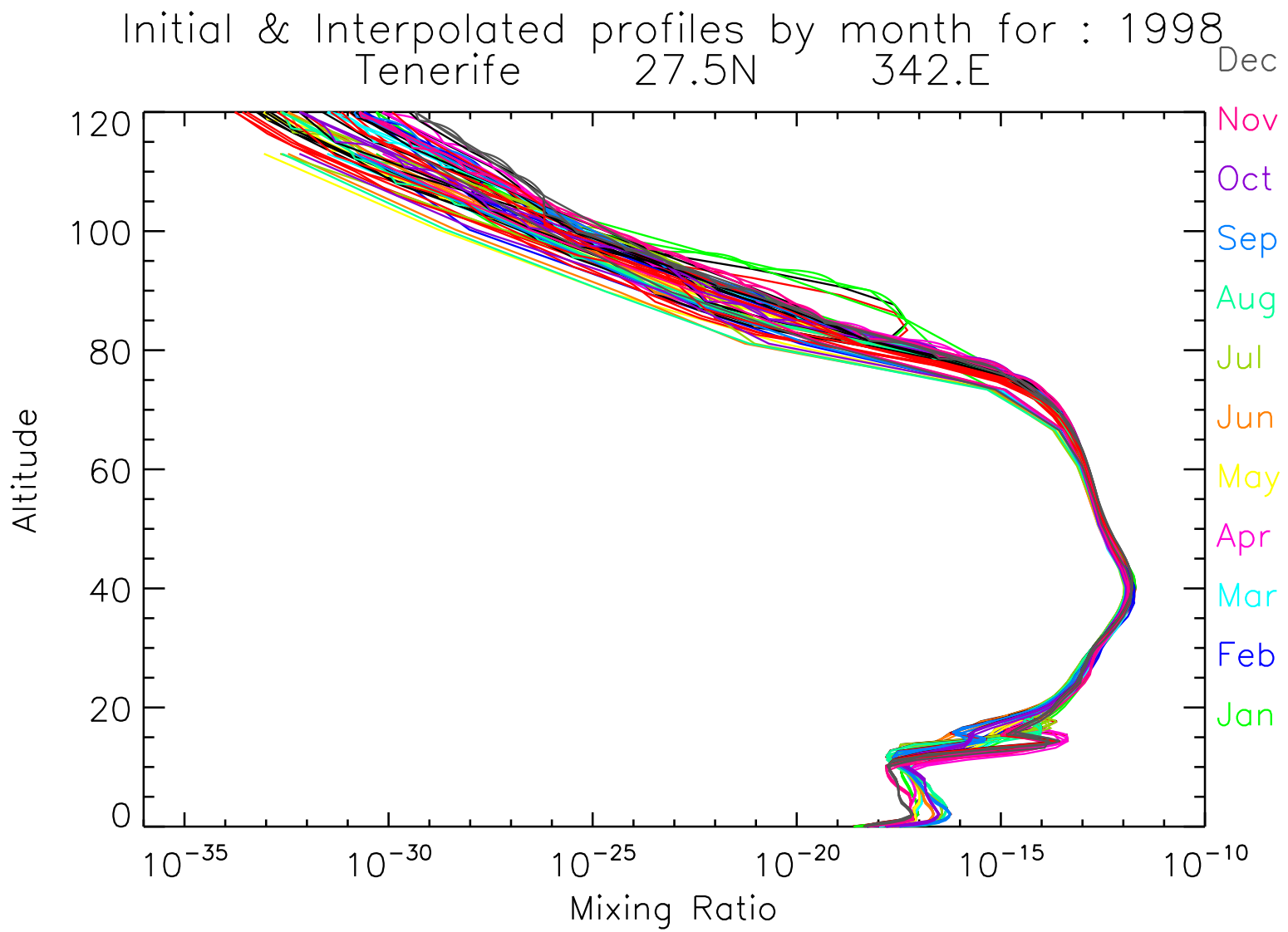
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Tenerife 27.5N 342.E
Dec
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Altitude
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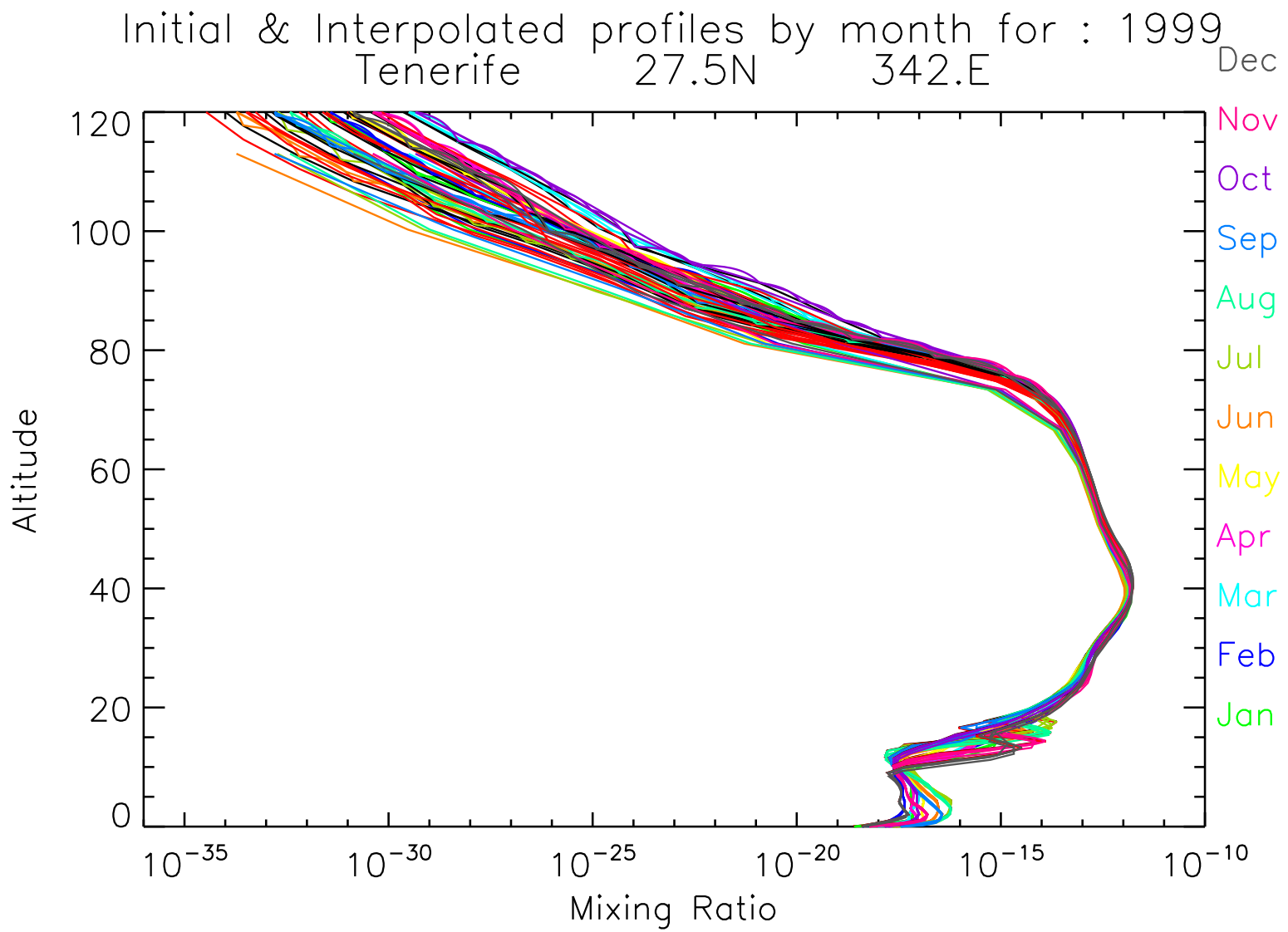
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Tenerife 27.5N 342.E
Dec
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Altitude
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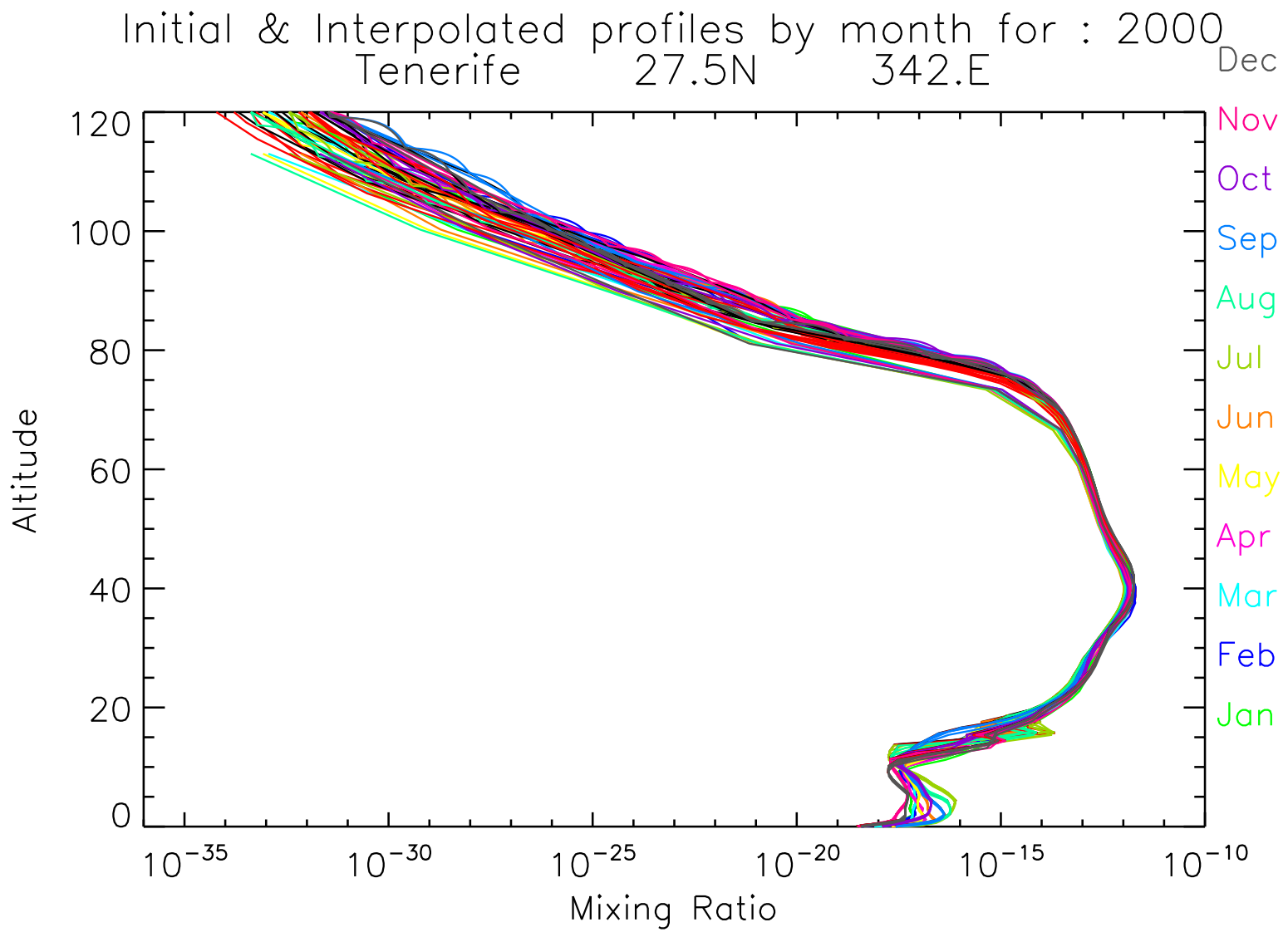
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Tenerife 27.5N 342.E
Dec
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Altitude
120
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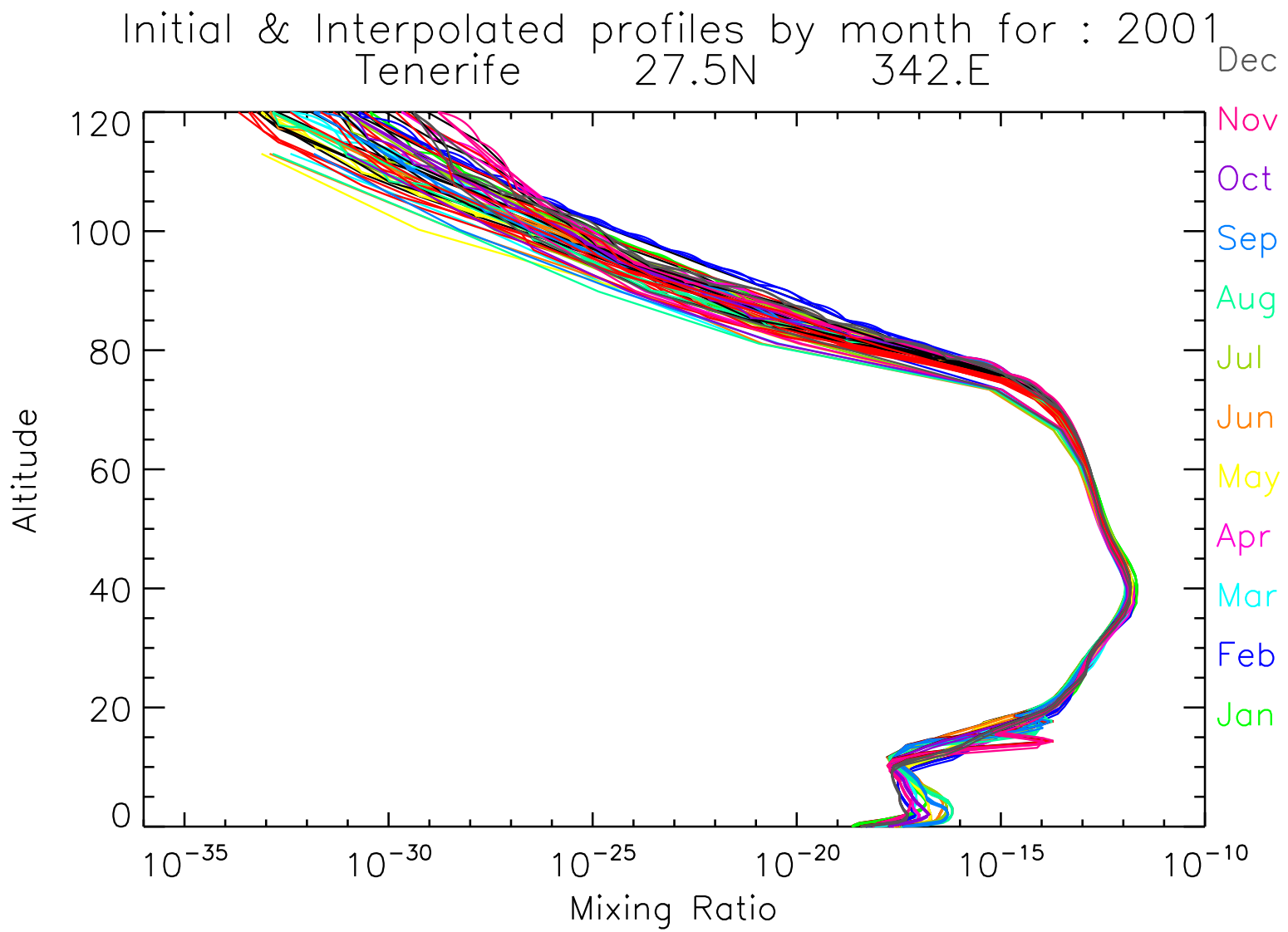
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Tenerife 27.5N 342.E
Dec
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120
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Altitude
10^{-35}
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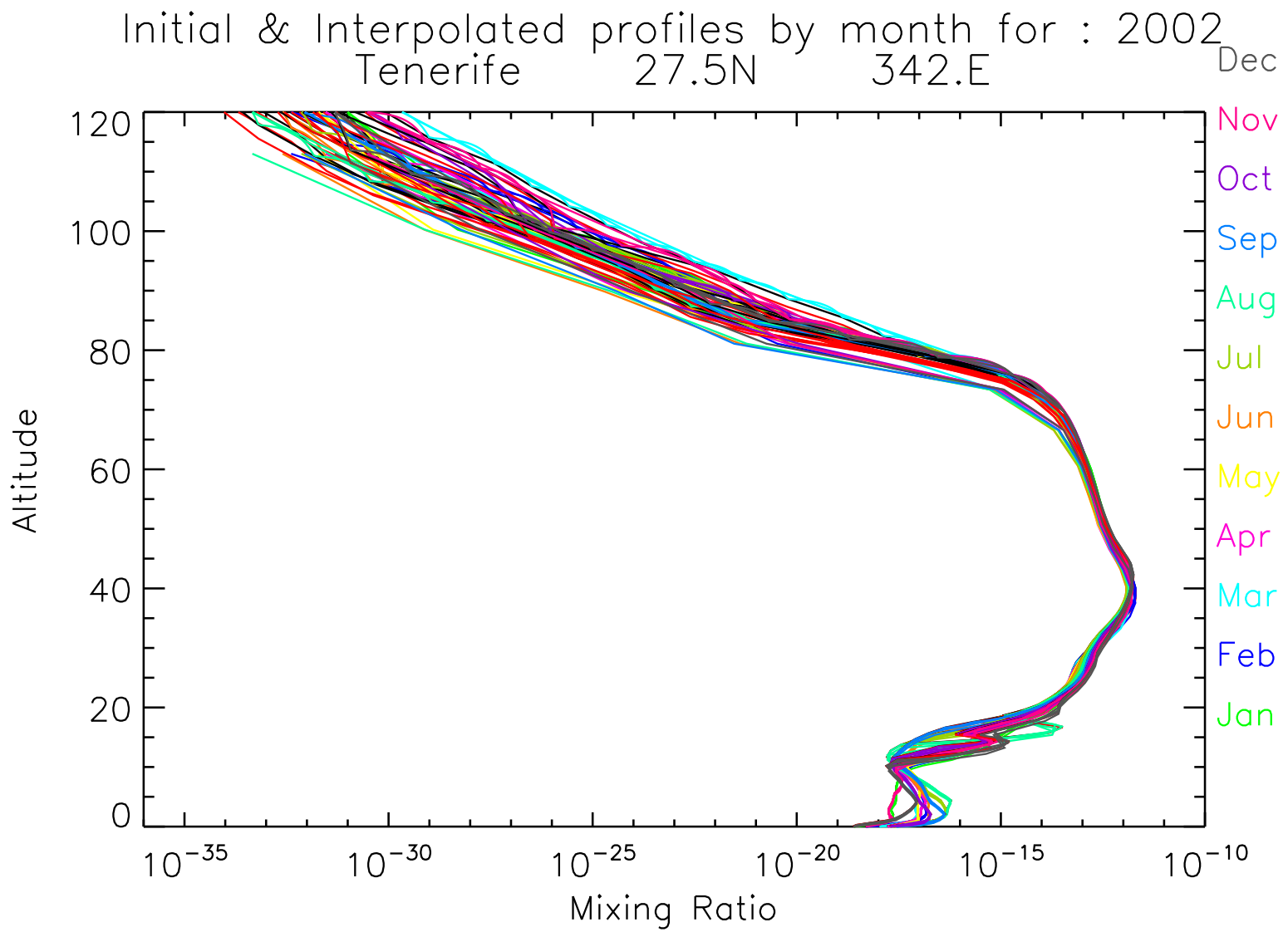
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Tenerife 27.5N 342.E
Dec
Nov
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Altitude
120
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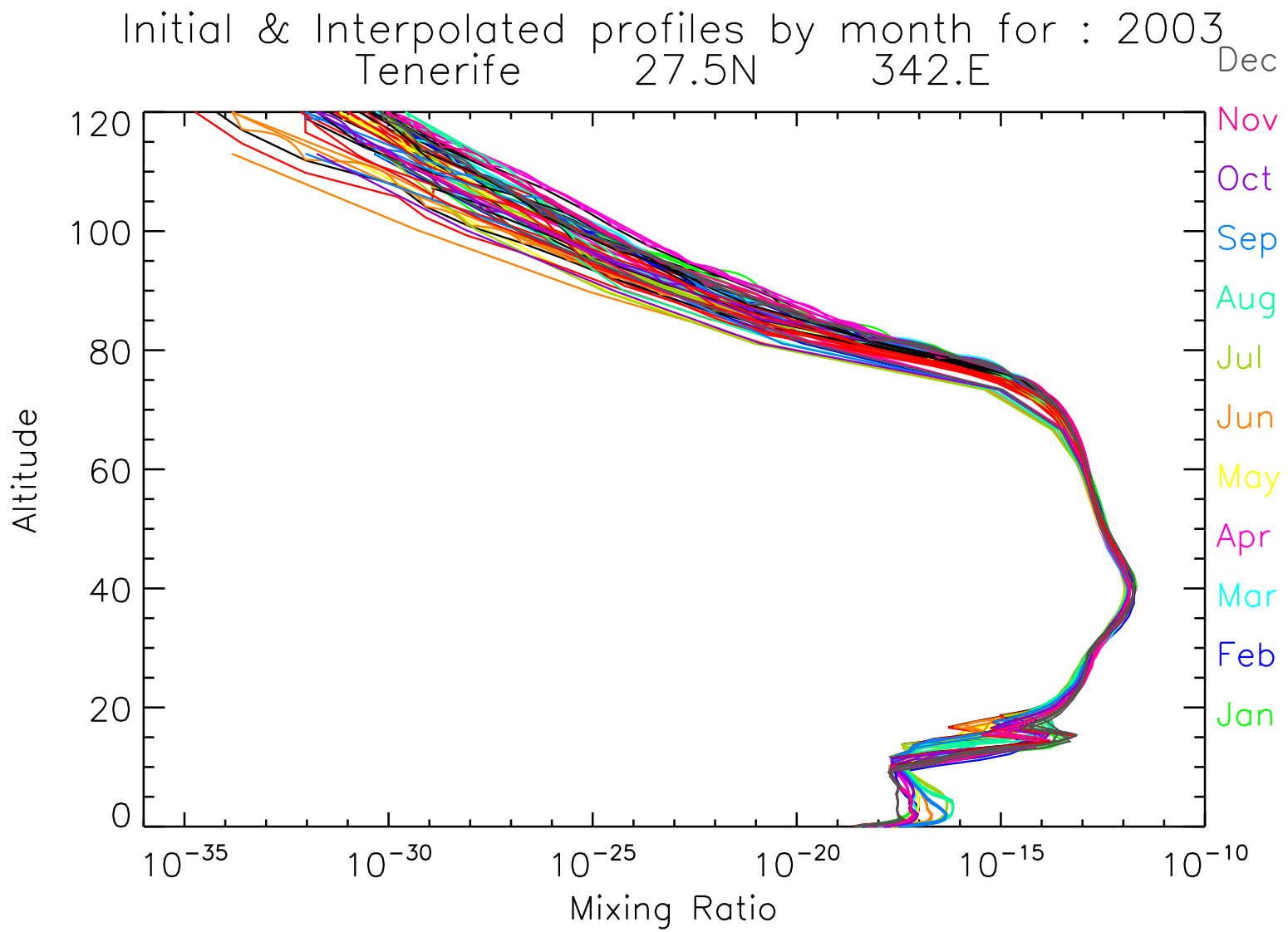
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Tenerife 27.5N 342.E
Dec
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Altitude
120
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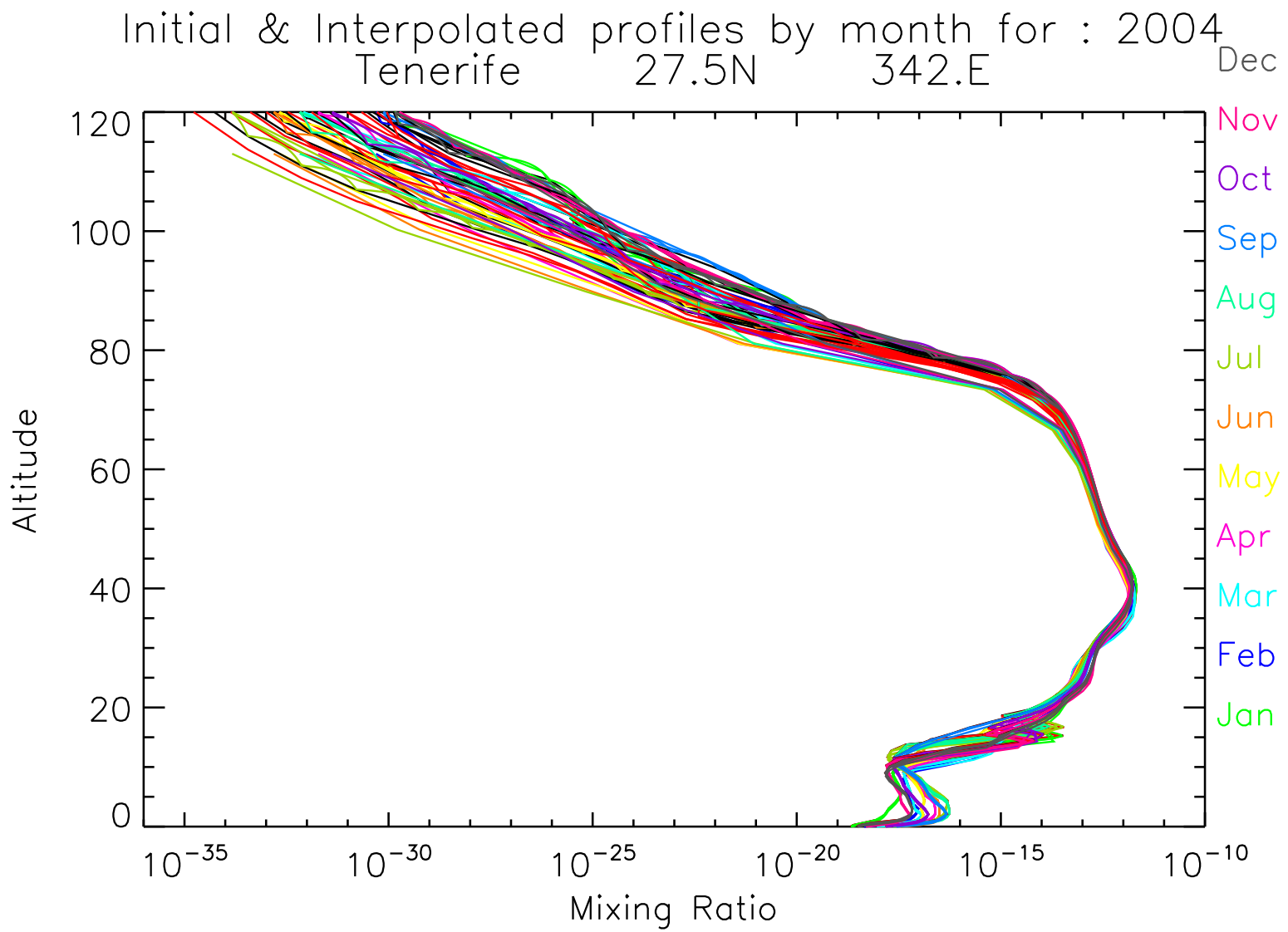
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Tenerife 27.5N 342.E
Dec
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Altitude
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10^{-30}
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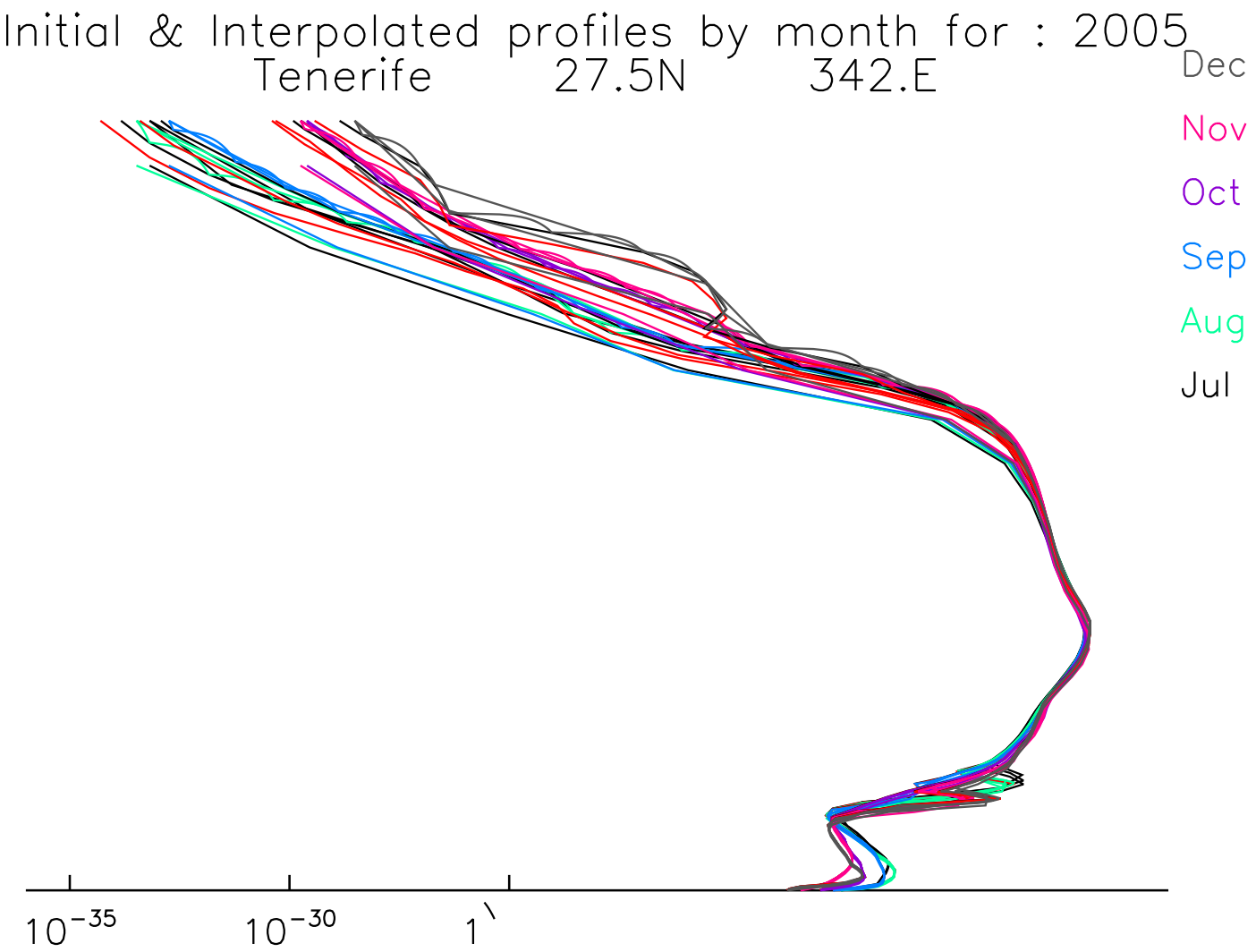
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Tenerife 27.5N 342.E
Dec
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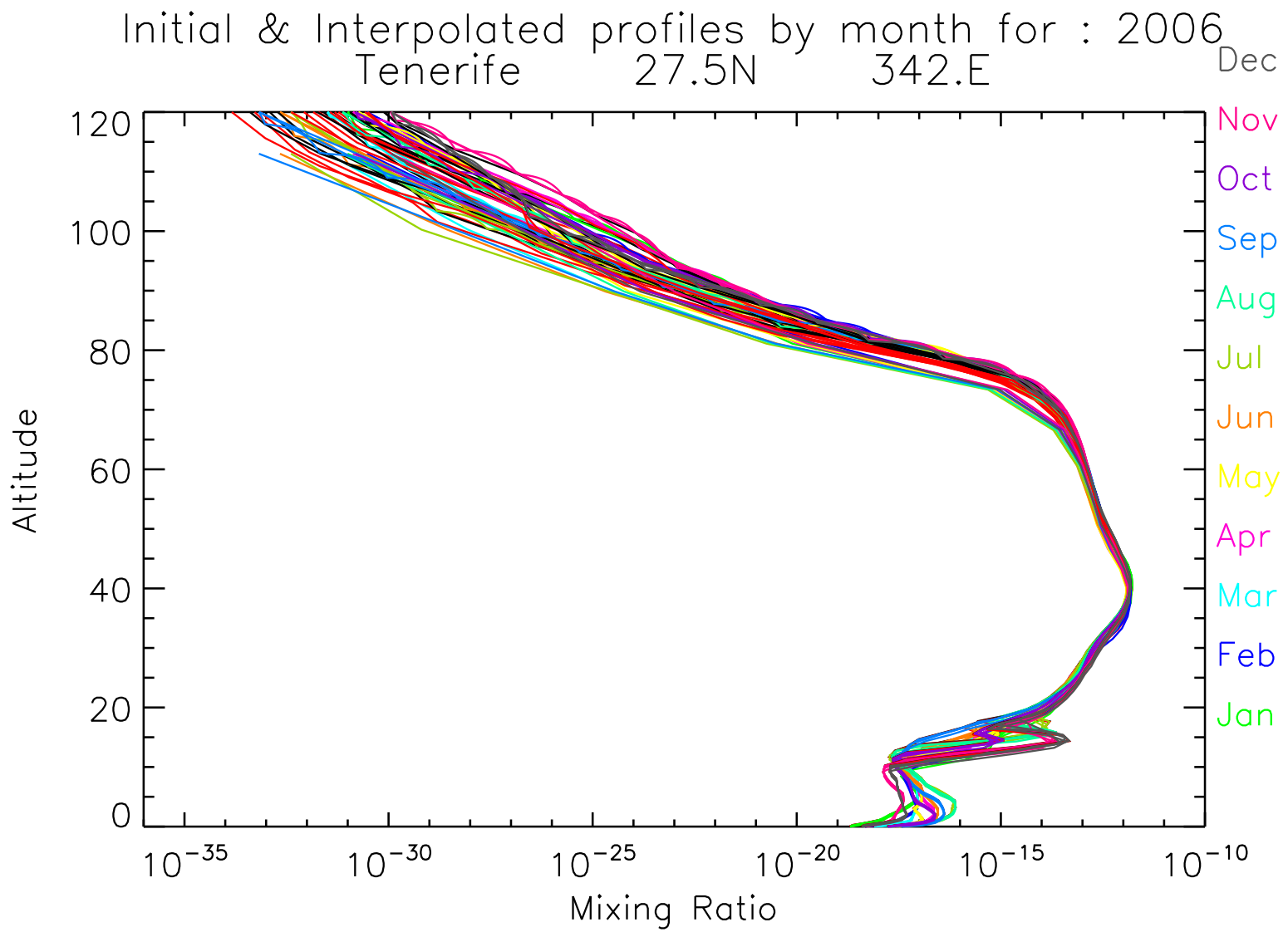
10^{-35}
10^{-30}
1


Initial & Interpolated profiles by month for : 2006
Tenerife 27.5N 342.E
Dec
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Altitude
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10^{-20}
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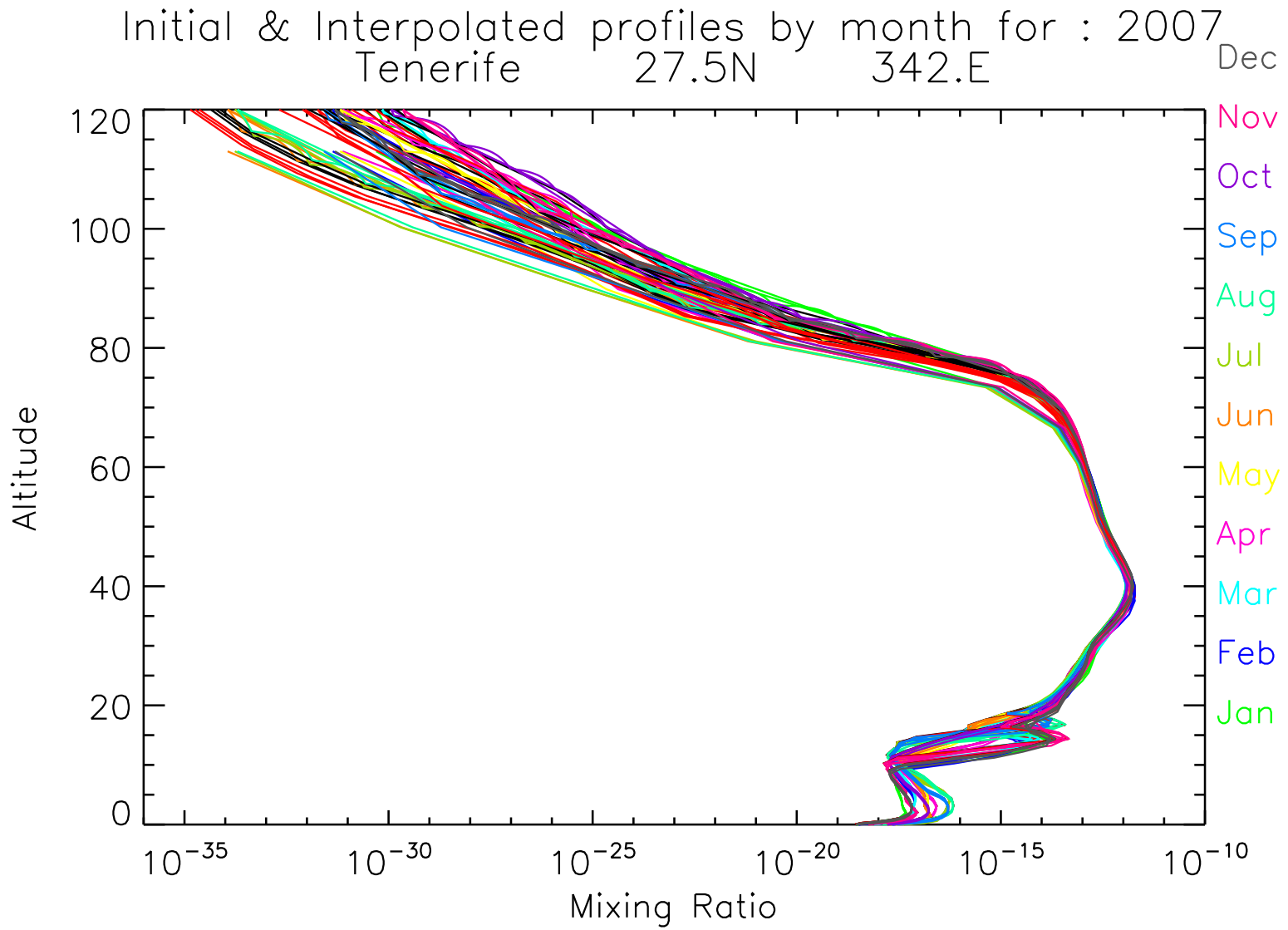
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Tenerife 27.5N 342.E
Dec
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Altitude
120
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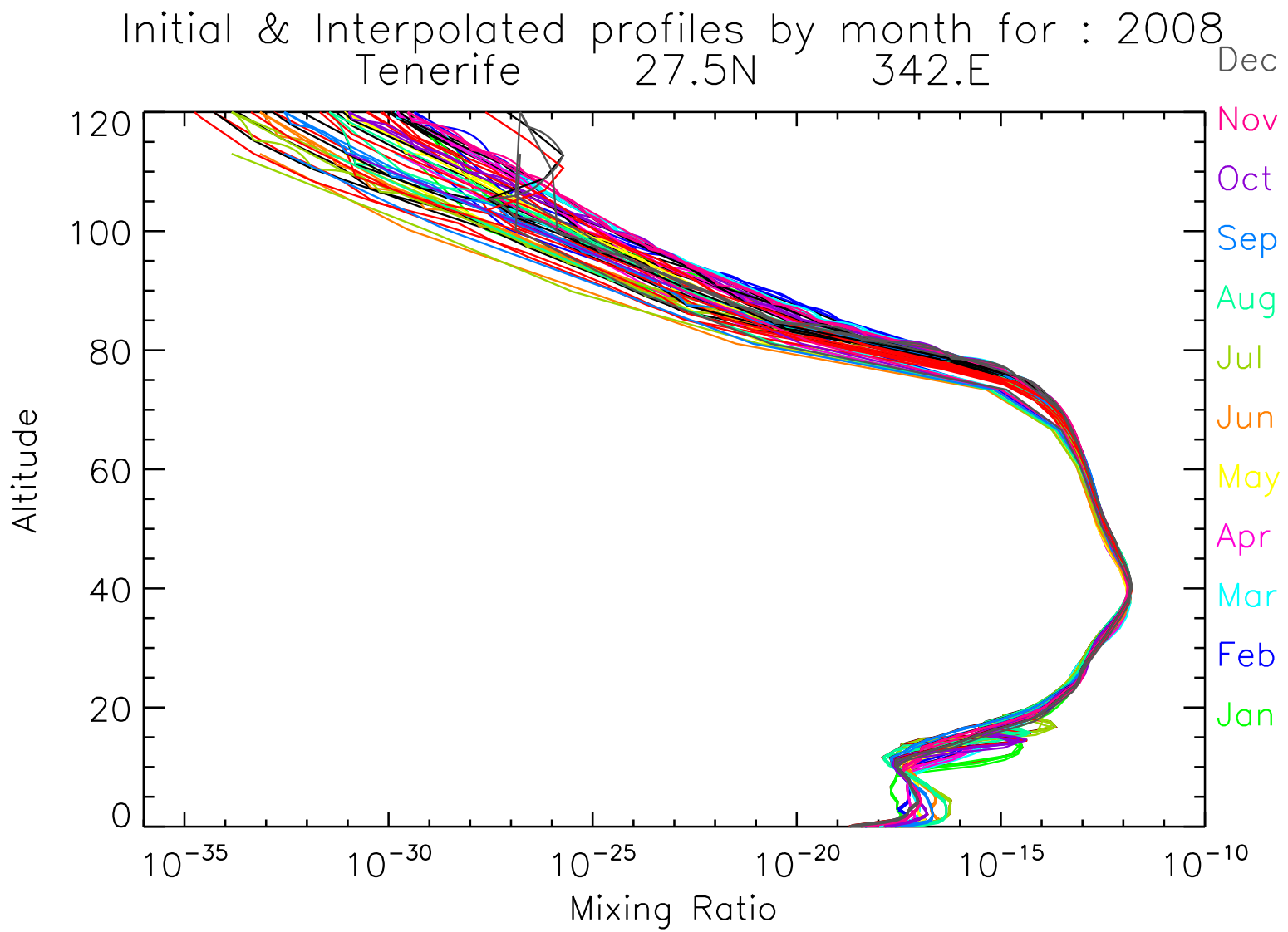
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Tenerife 27.5N 342.E
Dec
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Altitude
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10^{-20}
10^{-15}
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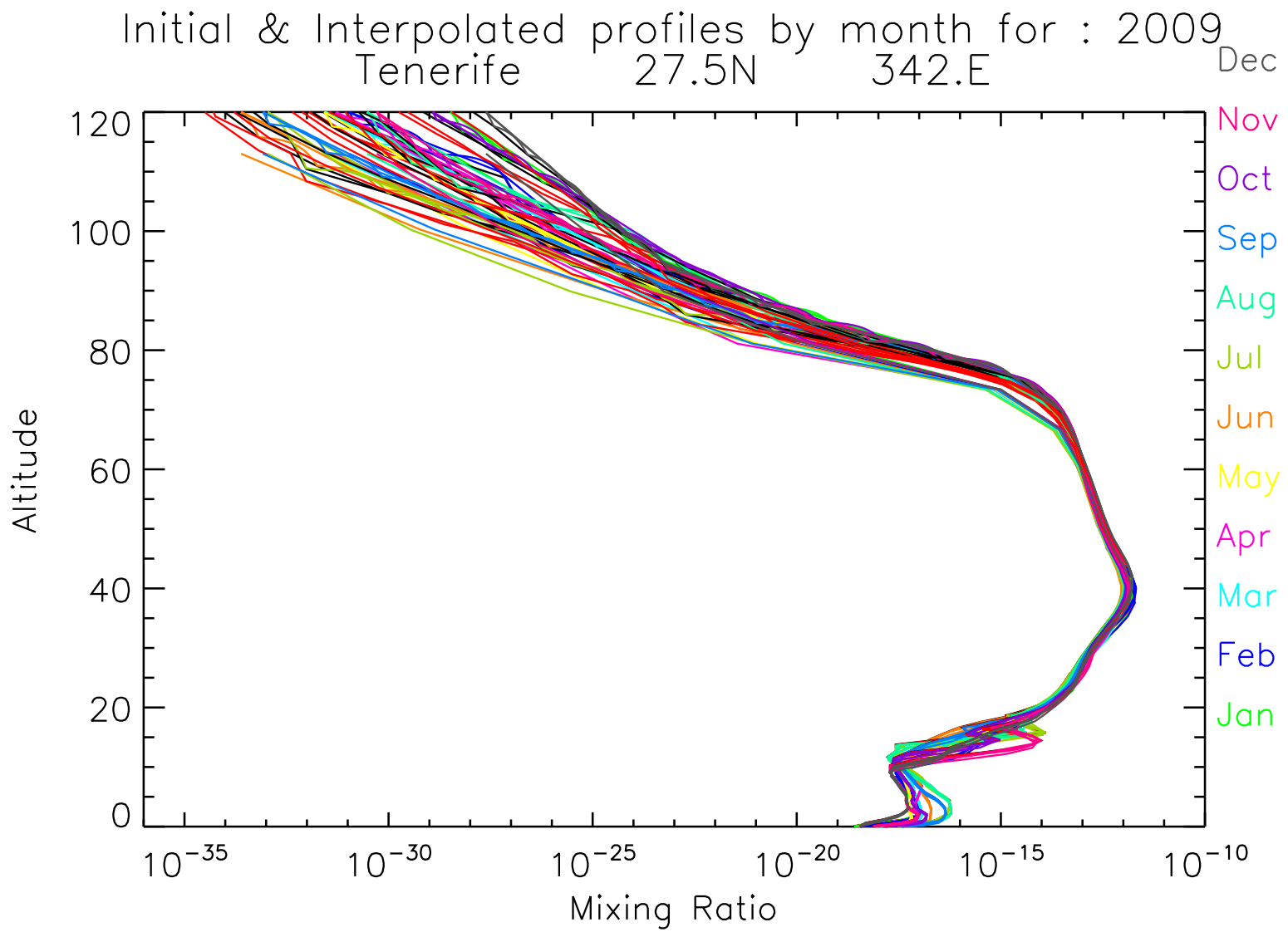
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Tenerife 27.5N 342.E
Dec
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Altitude
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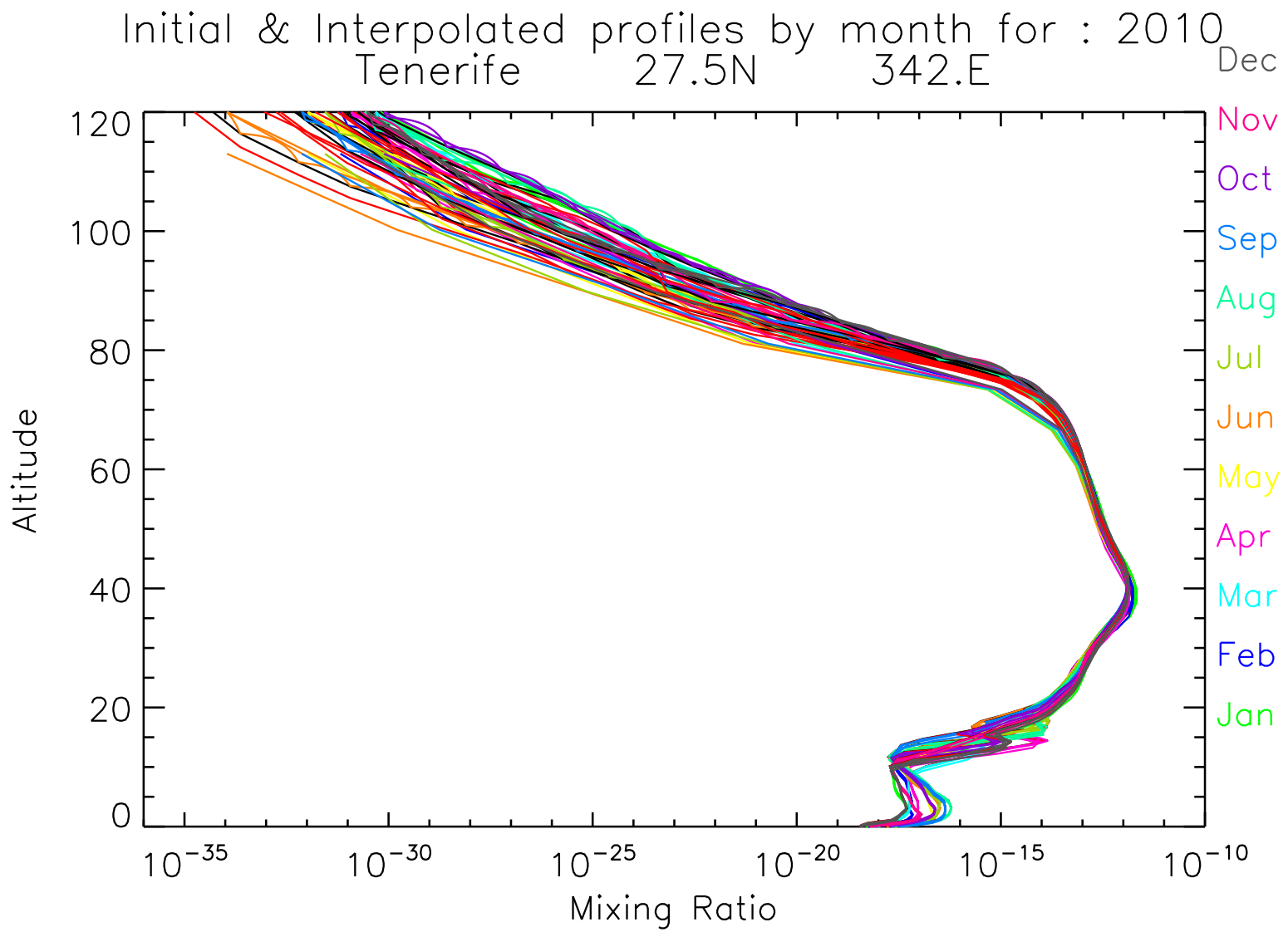
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Tenerife 27.5N 342.E
Dec
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Altitude
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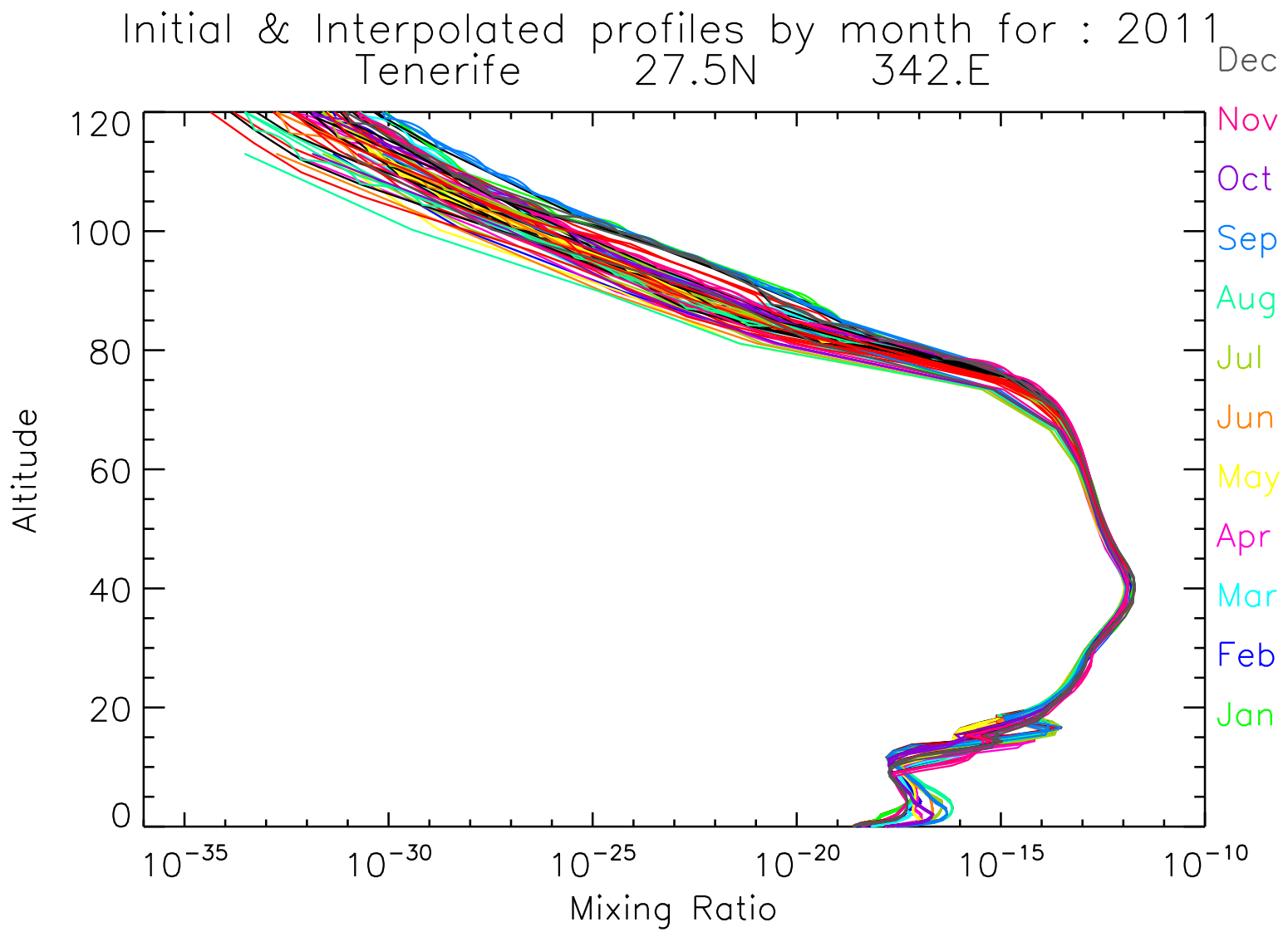
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Tenerife 27.5N 342.E
Dec
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Apr
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Feb
Jan
Altitude
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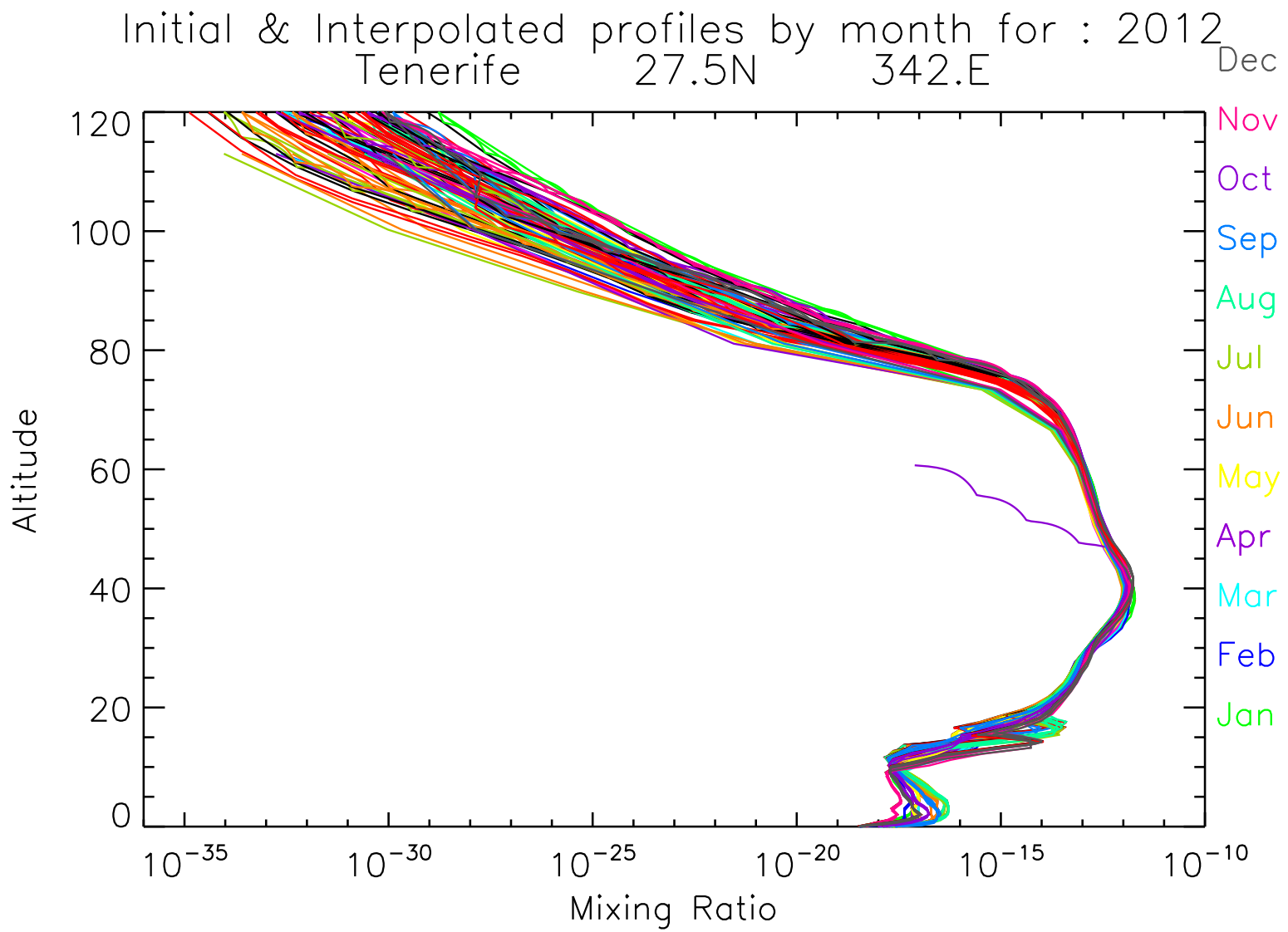
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Tenerife 27.5N 342.E
Dec
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Apr
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Feb
Jan
Altitude
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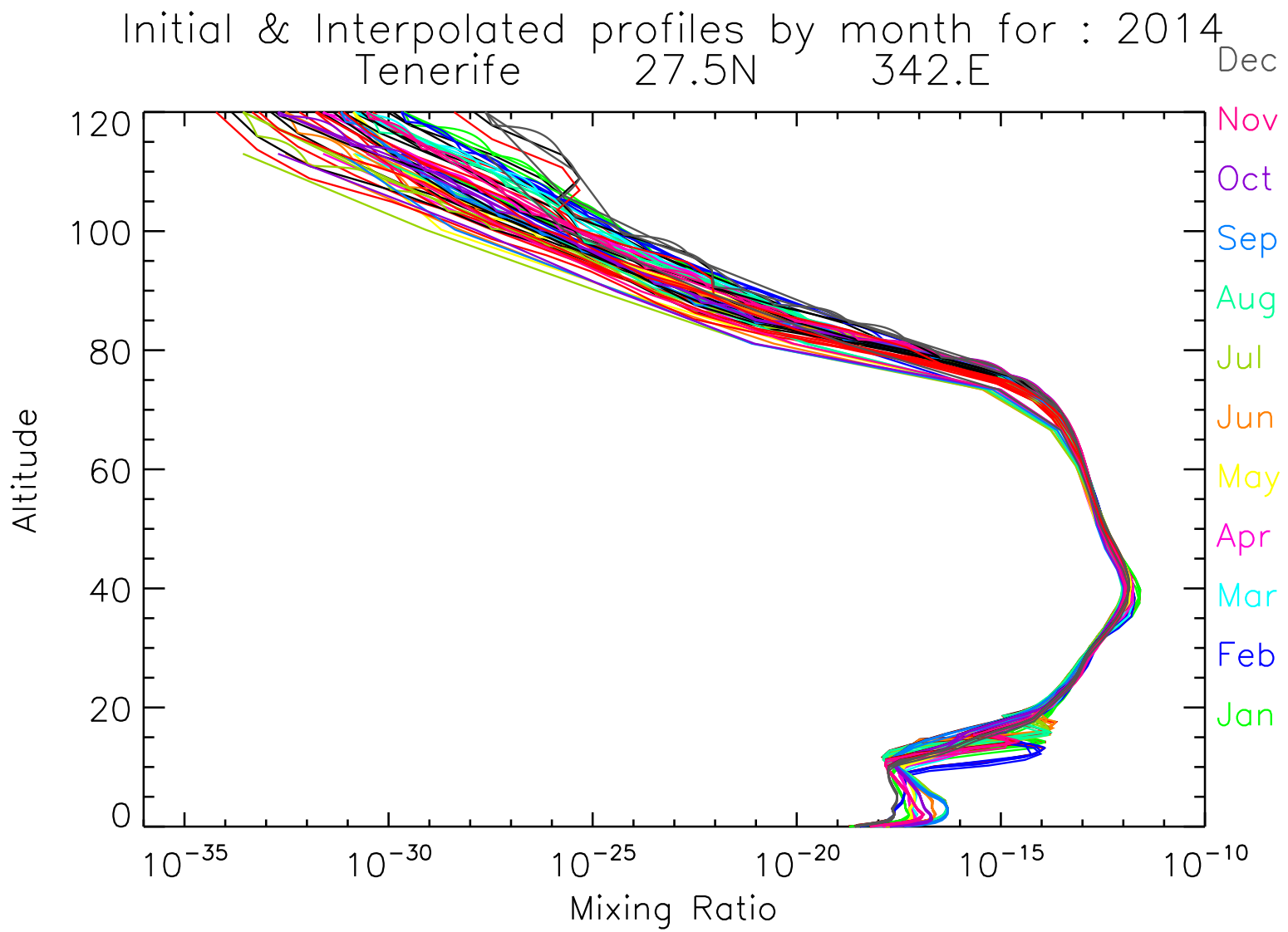
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2014
Tenerife 27.5N 342.E
Dec
Nov
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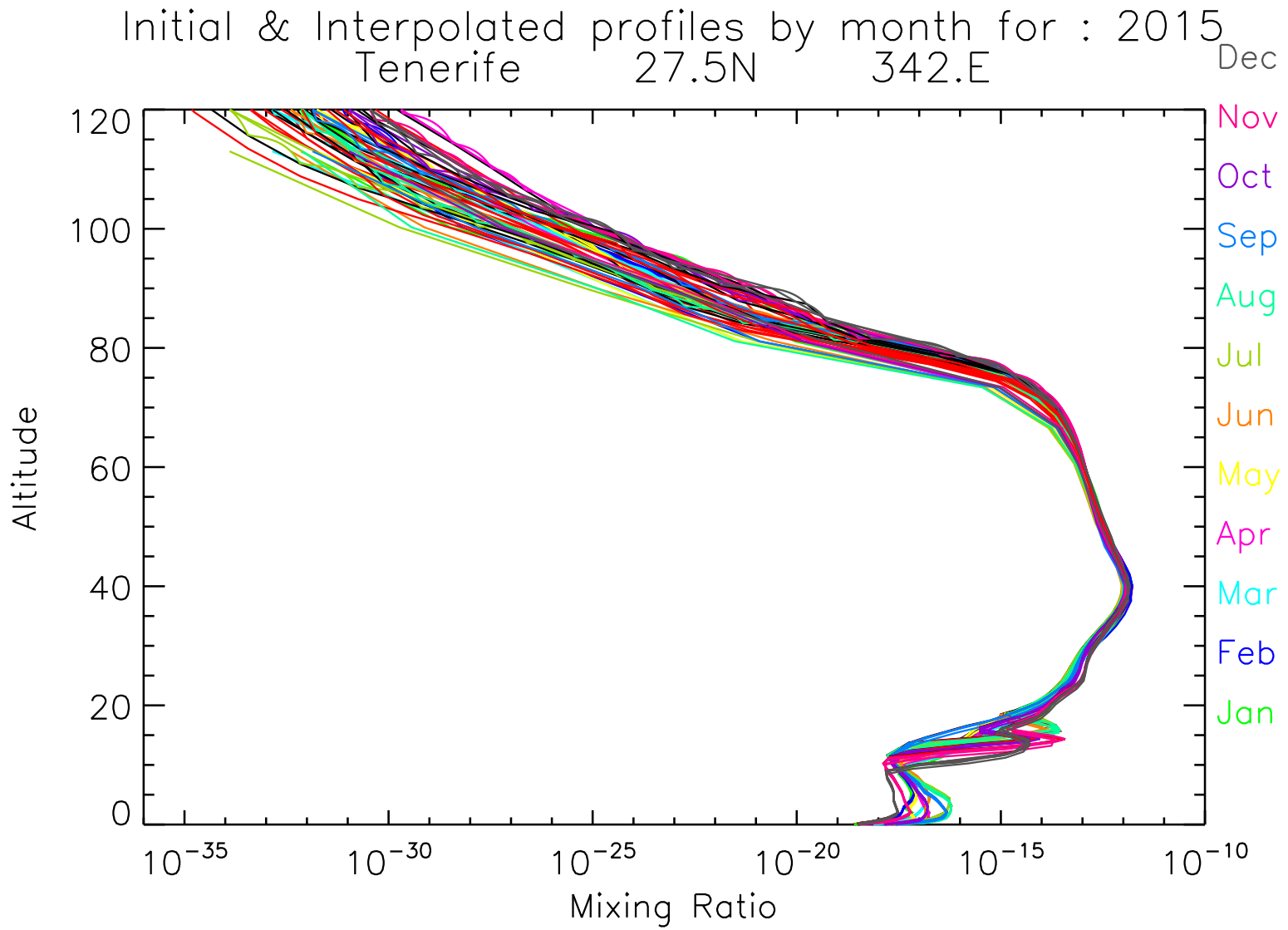
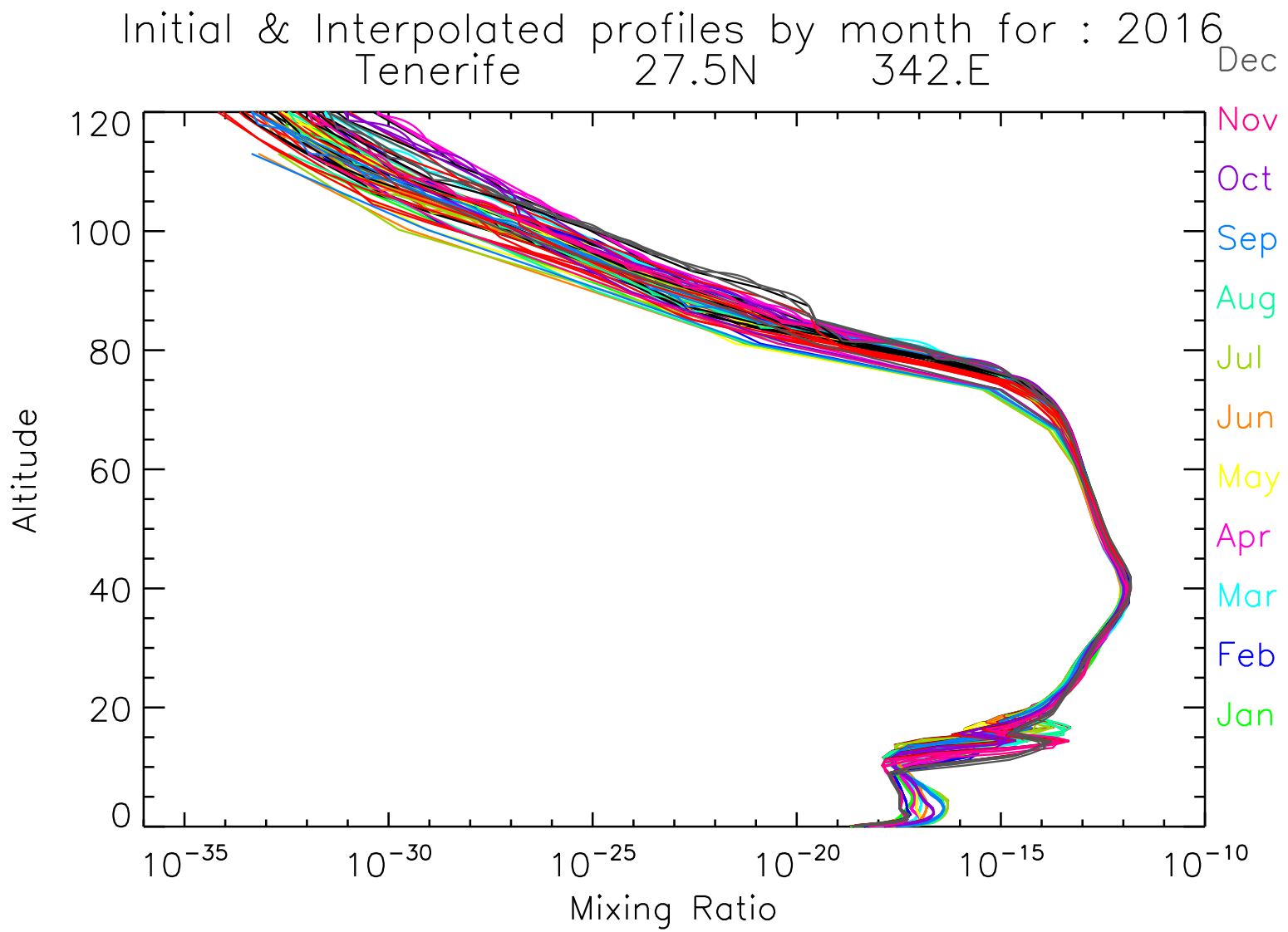
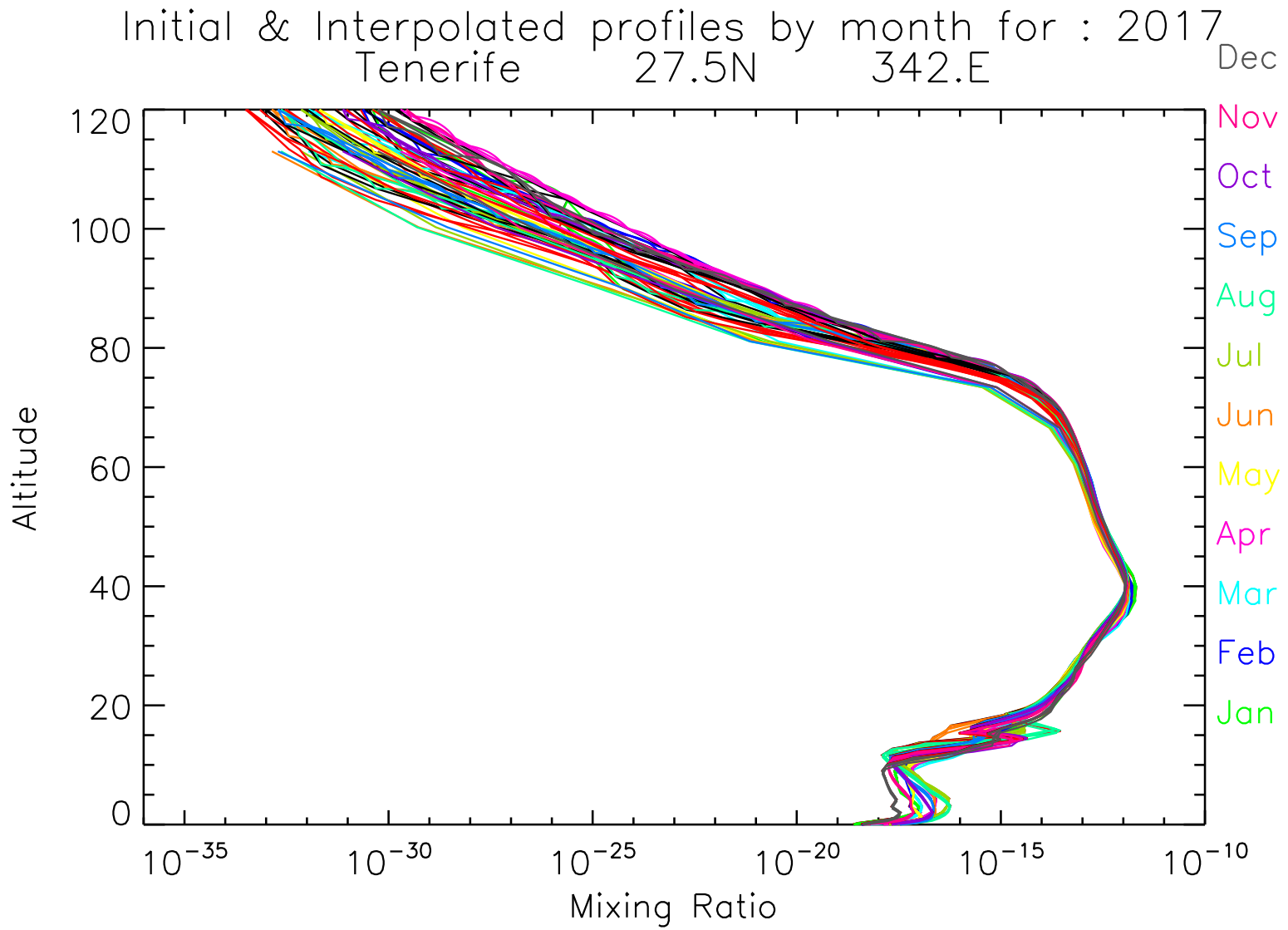
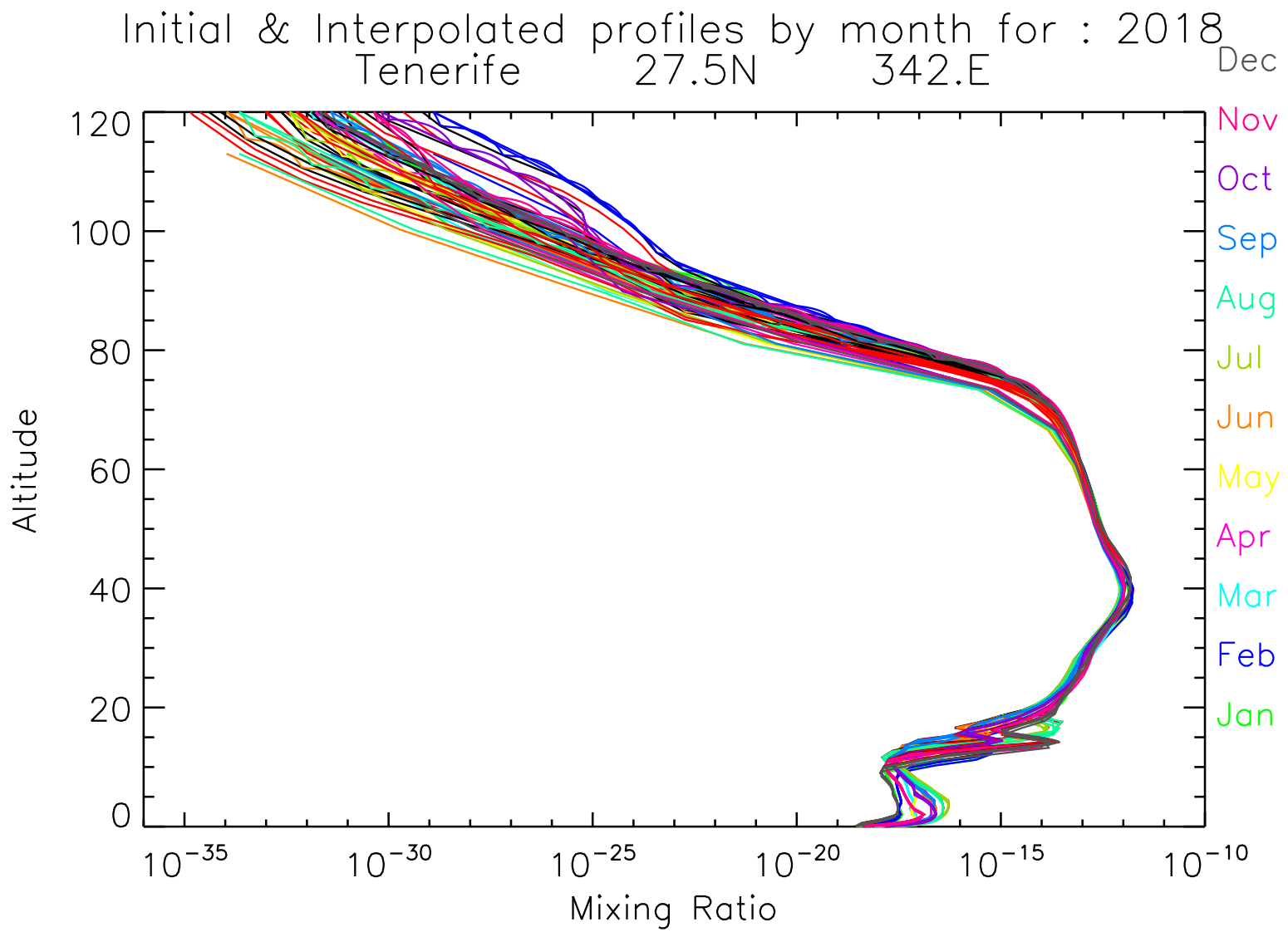
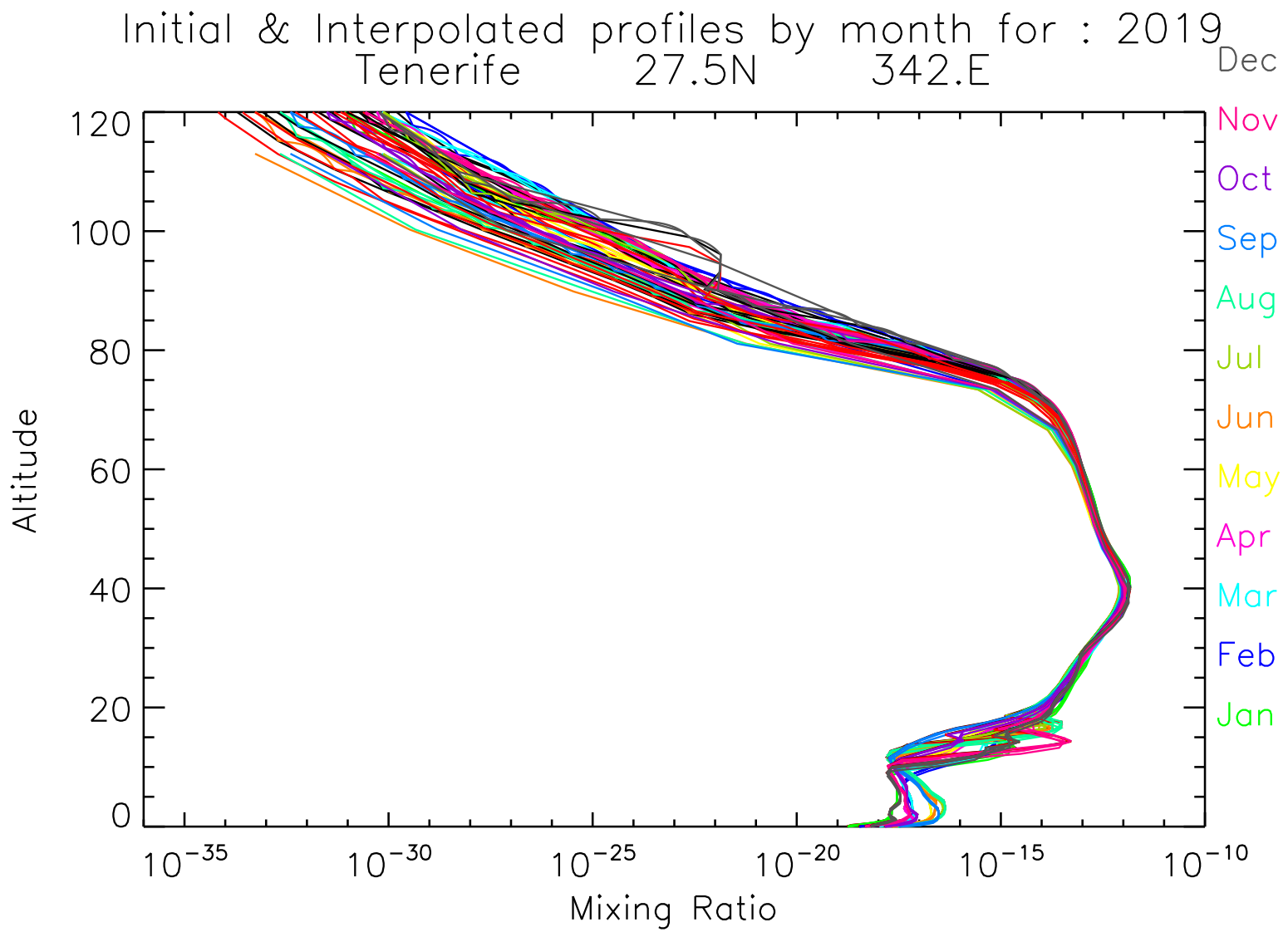
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

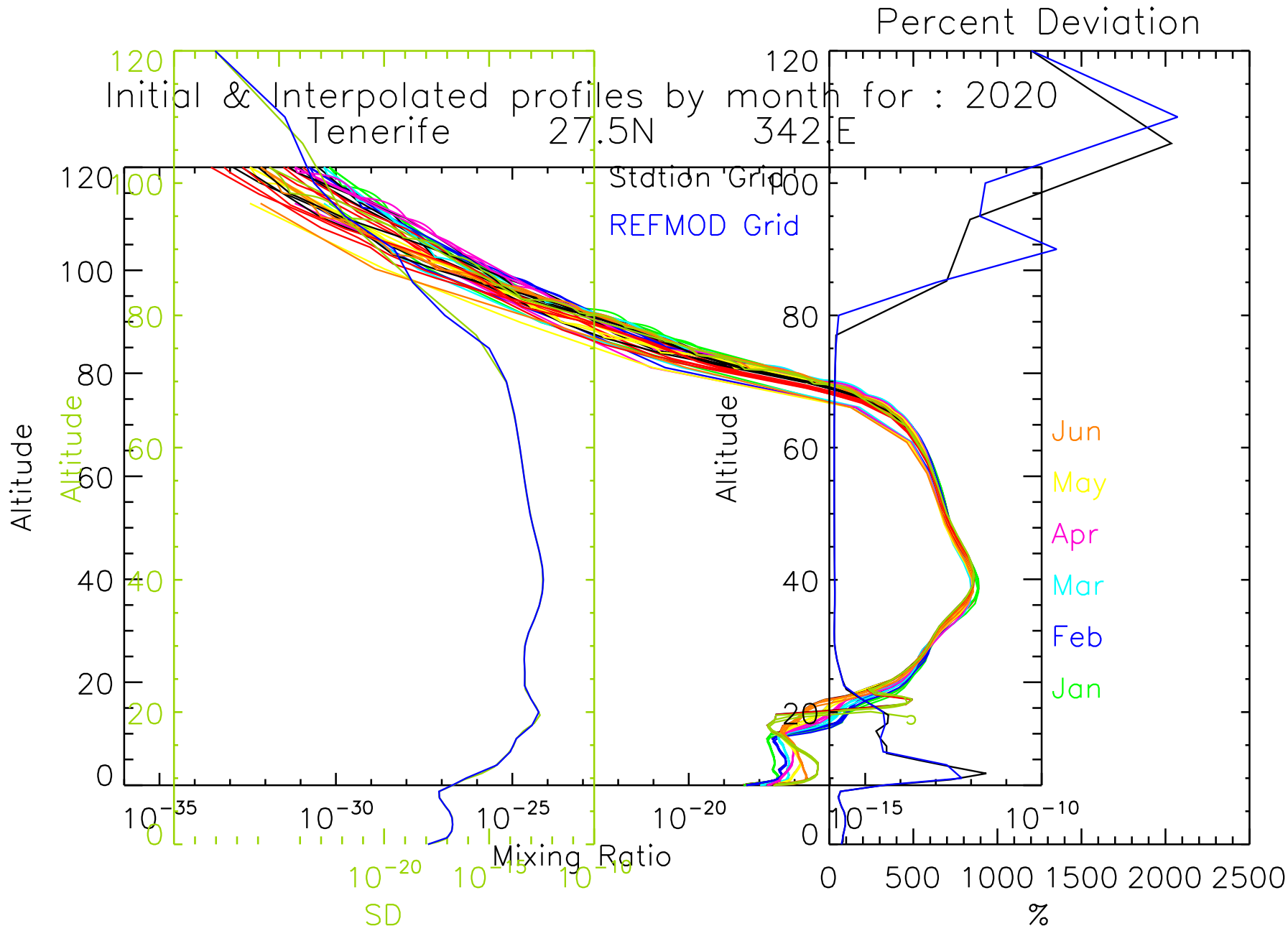

Initial & Interpolated profiles by month for : 2015
Tenerife 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

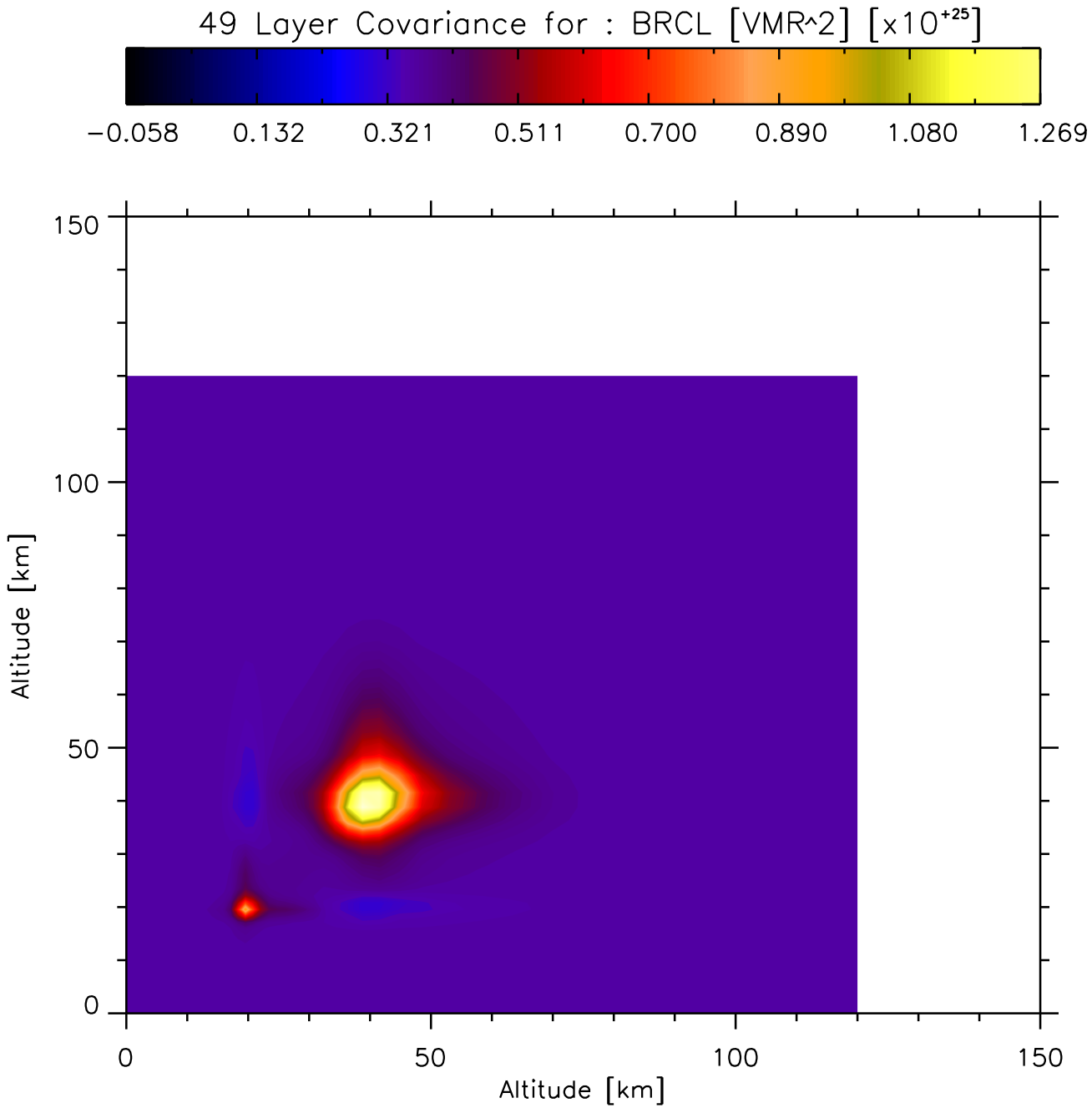

Initial & Interpolated profiles by month for : 2016
Tenerife 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2017
Tenerife 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

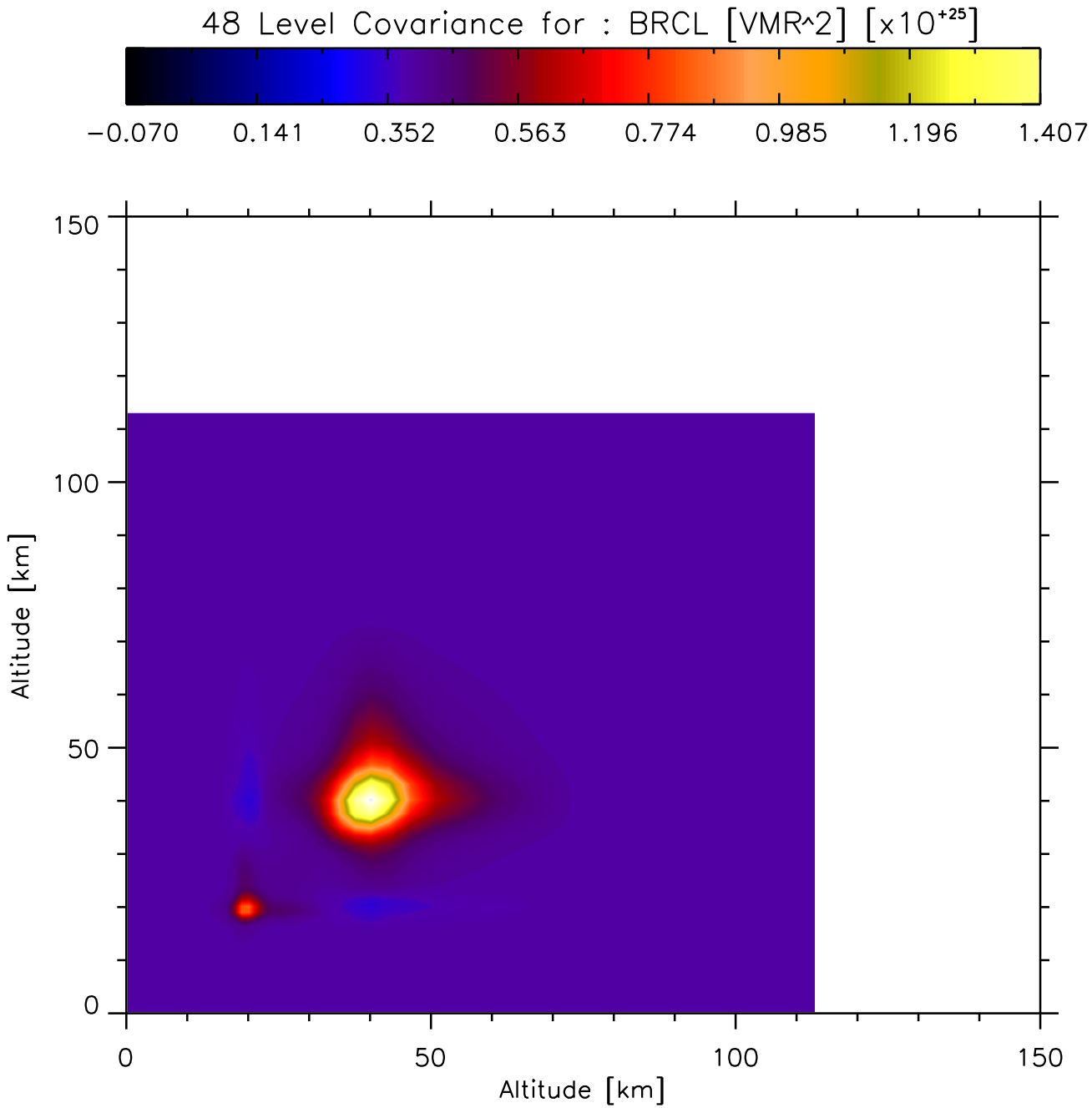

Initial & Interpolated profiles by month for : 2018
Tenerife 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2019
Tenerife 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Percent Deviation
Initial & Interpolated profiles by month for : 2020
Tenerife 27.5N 342.E
Station Grid
REFMOD Grid
Altitude
Mixing Ratio
SD
%
Jun
May
Apr
Mar
Feb
Jan


49 Layer Covariance for : BRCL [VMR^2] [x10^+25]
−0.058
0.132
0.321
0.511
0.700
0.890
1.080
1.269
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : BRCL [VMR^2] [x10^+25]
-0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude


48 Level Covariance for : BRCL [VMR^2] [x10^+25]
−0.070
0.141
0.352
0.563
0.774
0.985
1.196
1.407
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : BRCL [VMR^2] [x10^+25]
-0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude