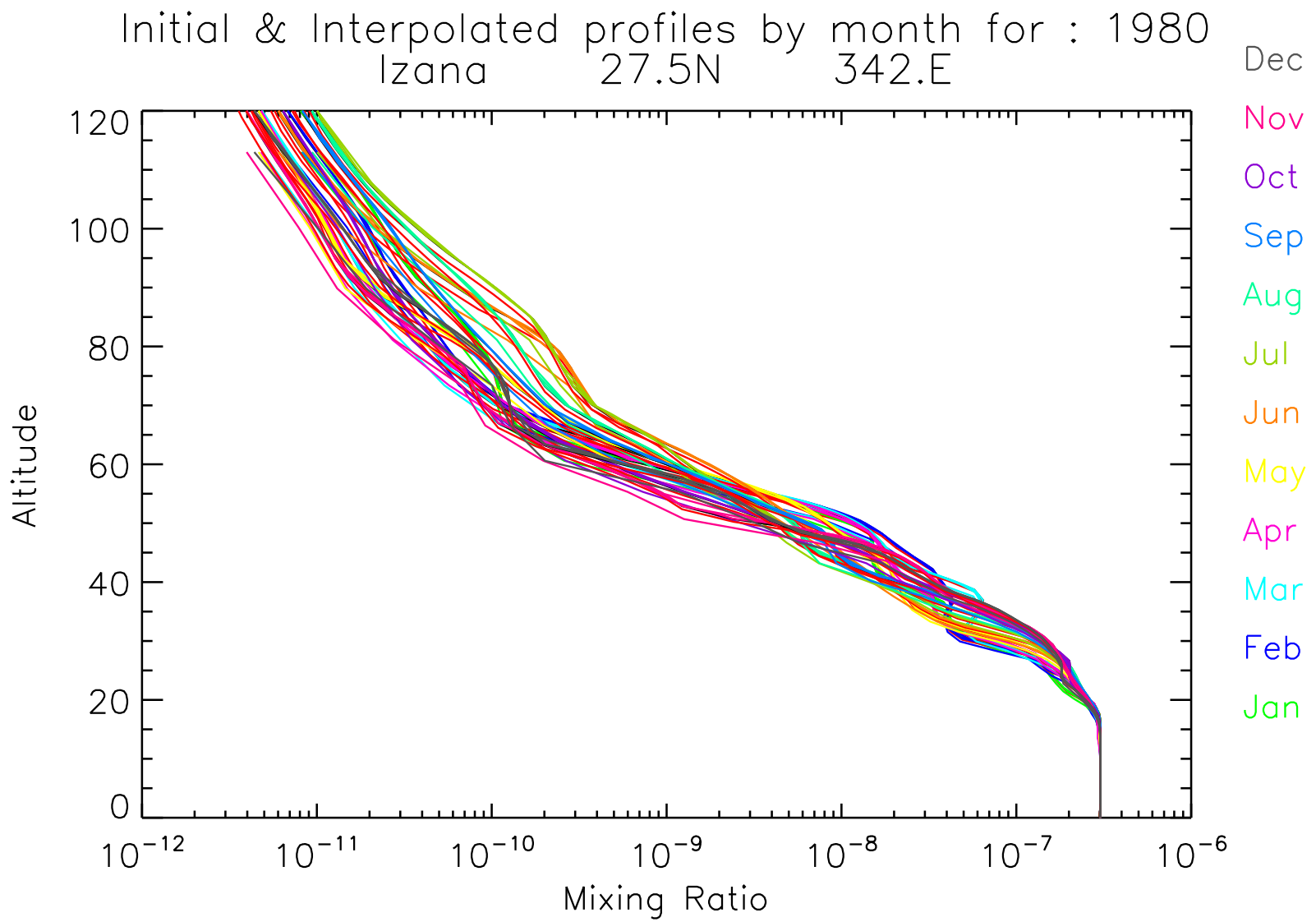
Initial & Interpolated profiles by month for : 1980
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Altitude
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Mixing Ratio
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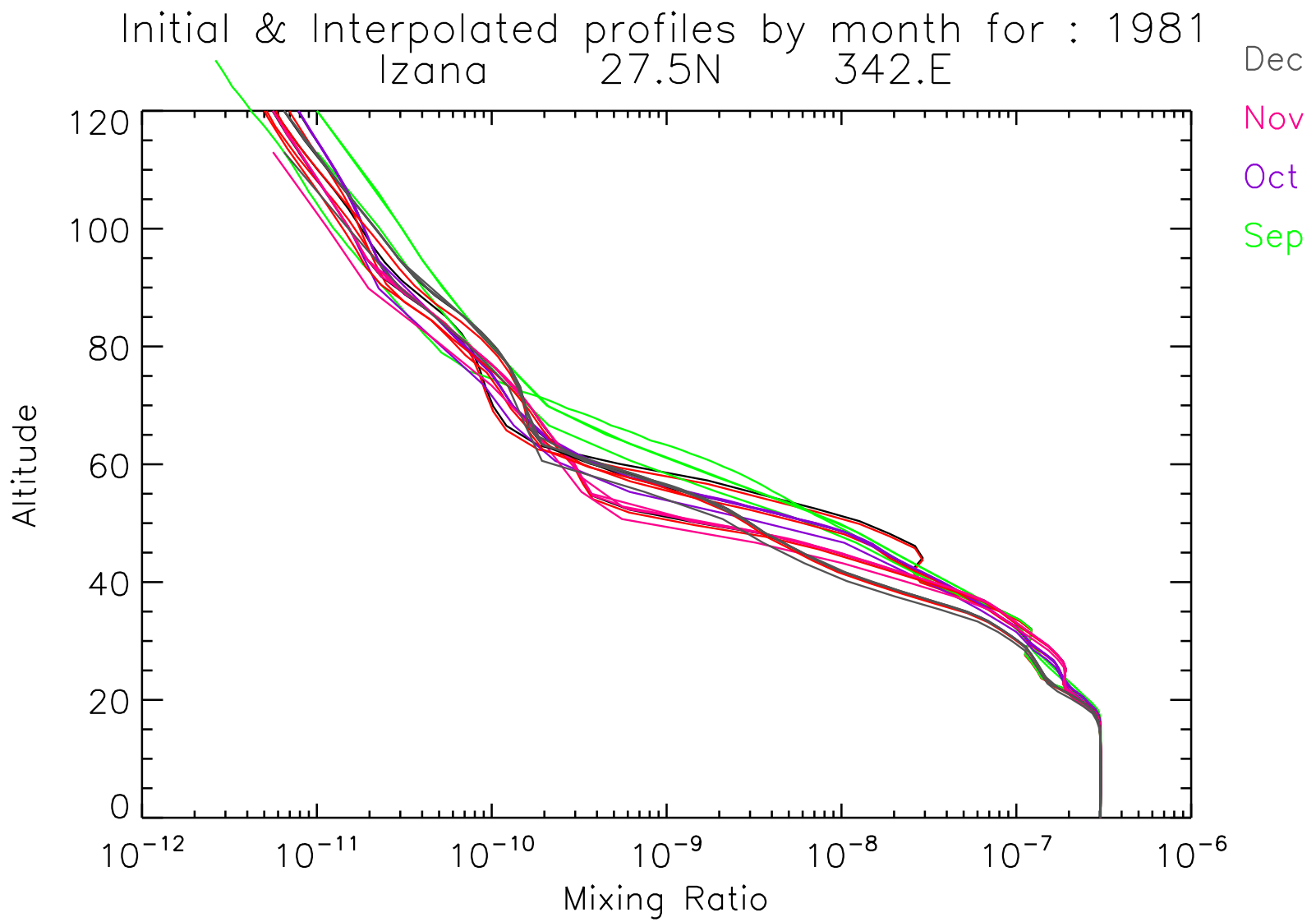
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Izana 27.5N 342.E
Dec
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Altitude
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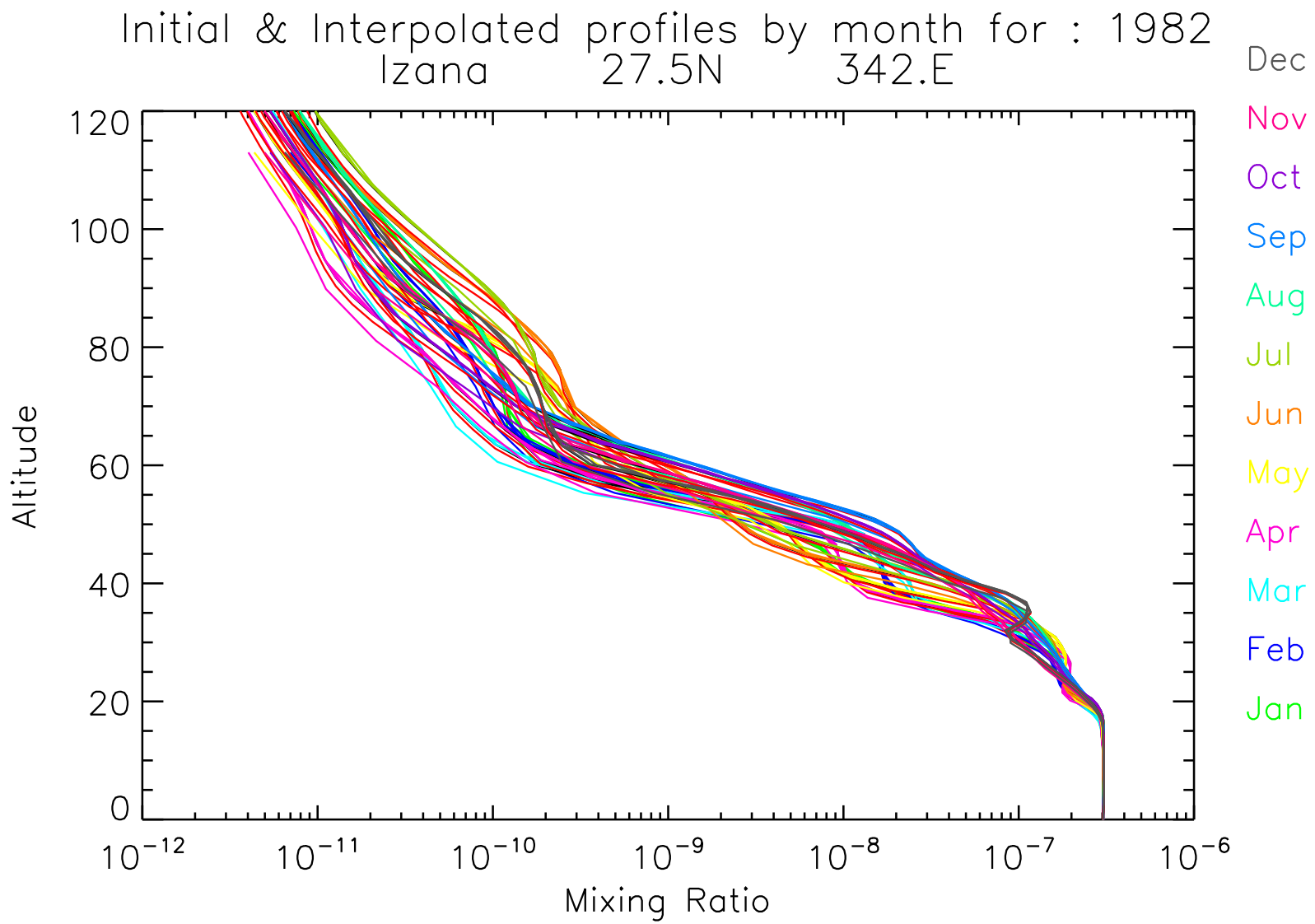
Mixing Ratio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Altitude
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Mixing Ratio
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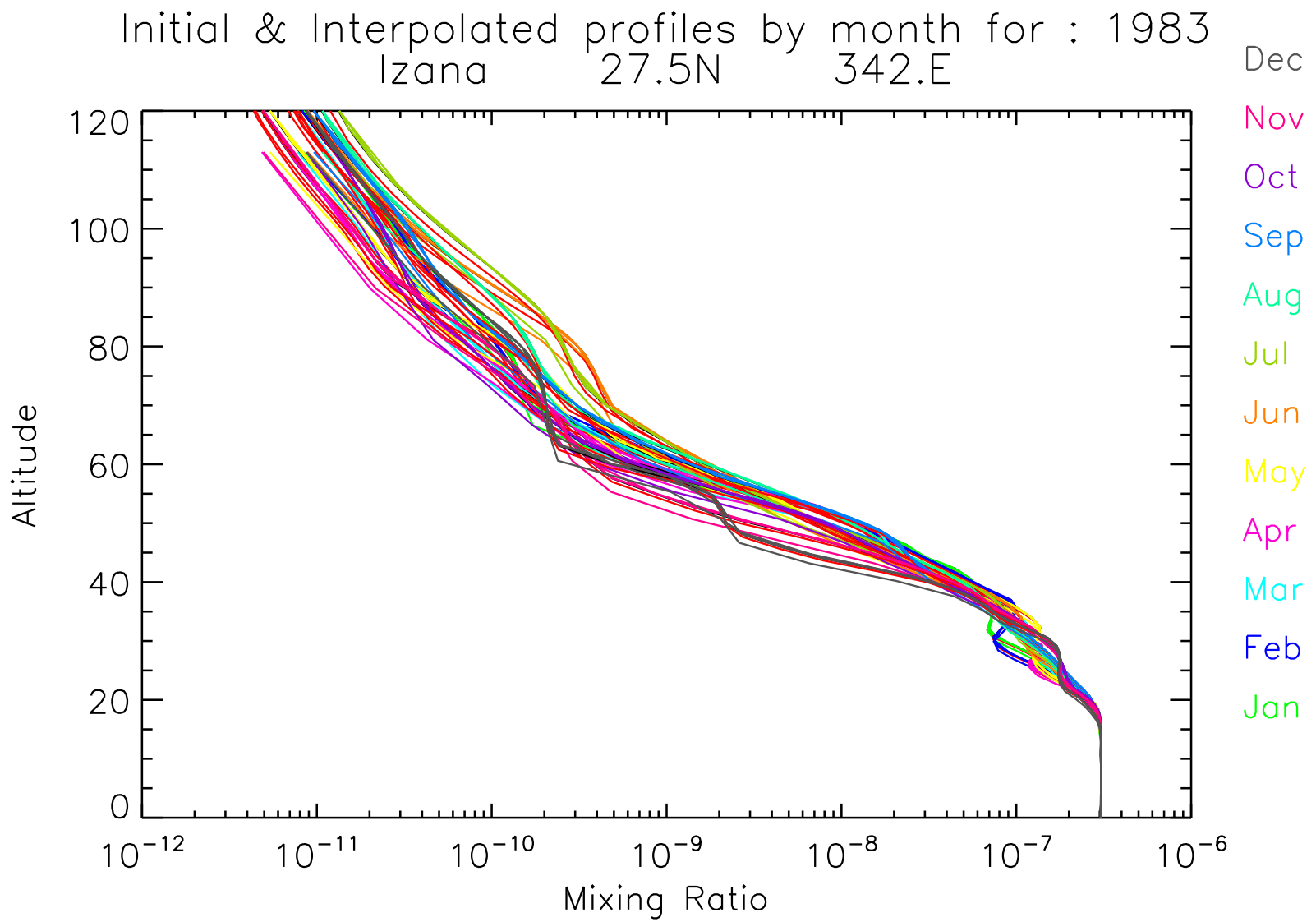
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Altitude
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Mixing Ratio
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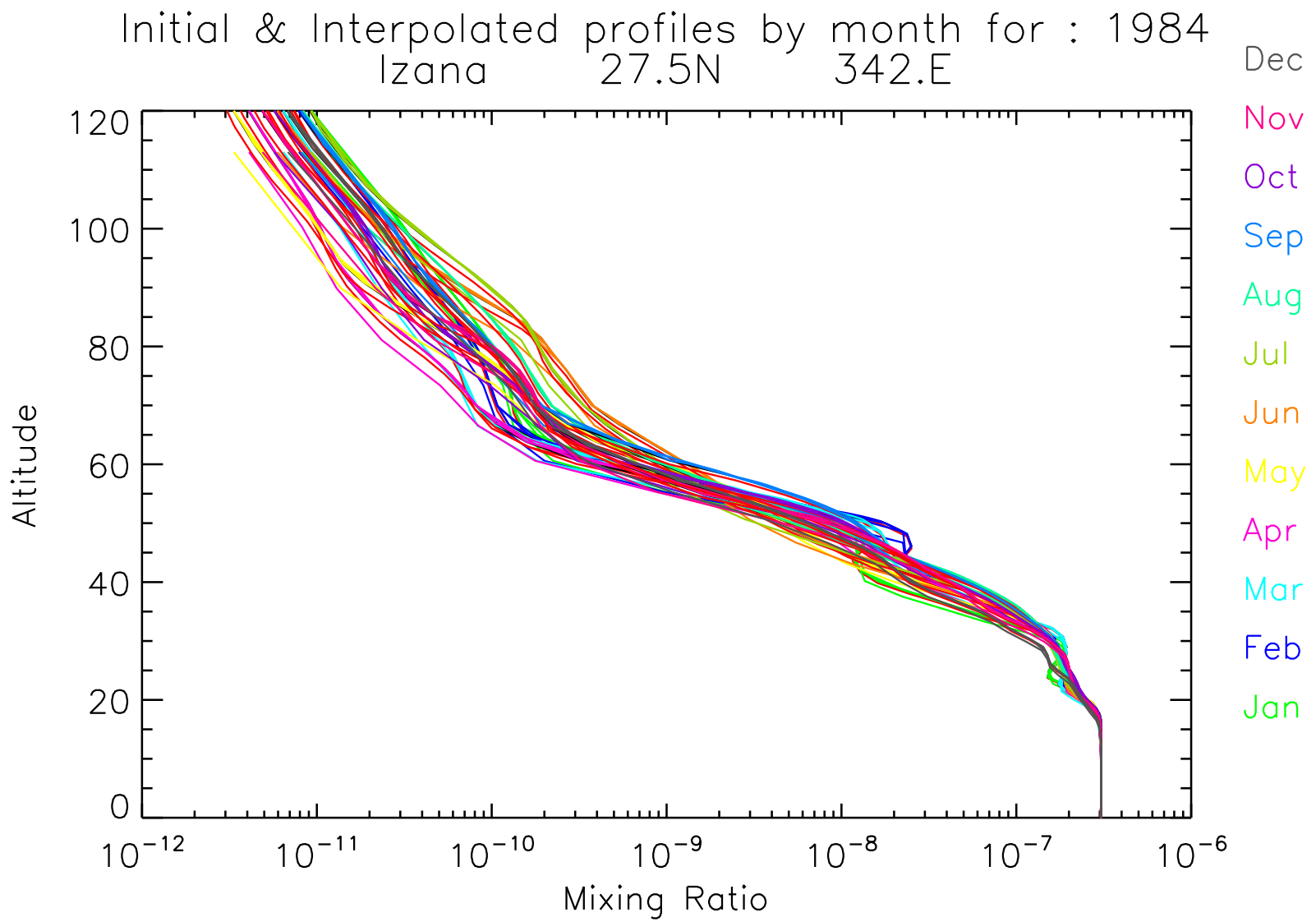
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Altitude
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Mixing Ratio
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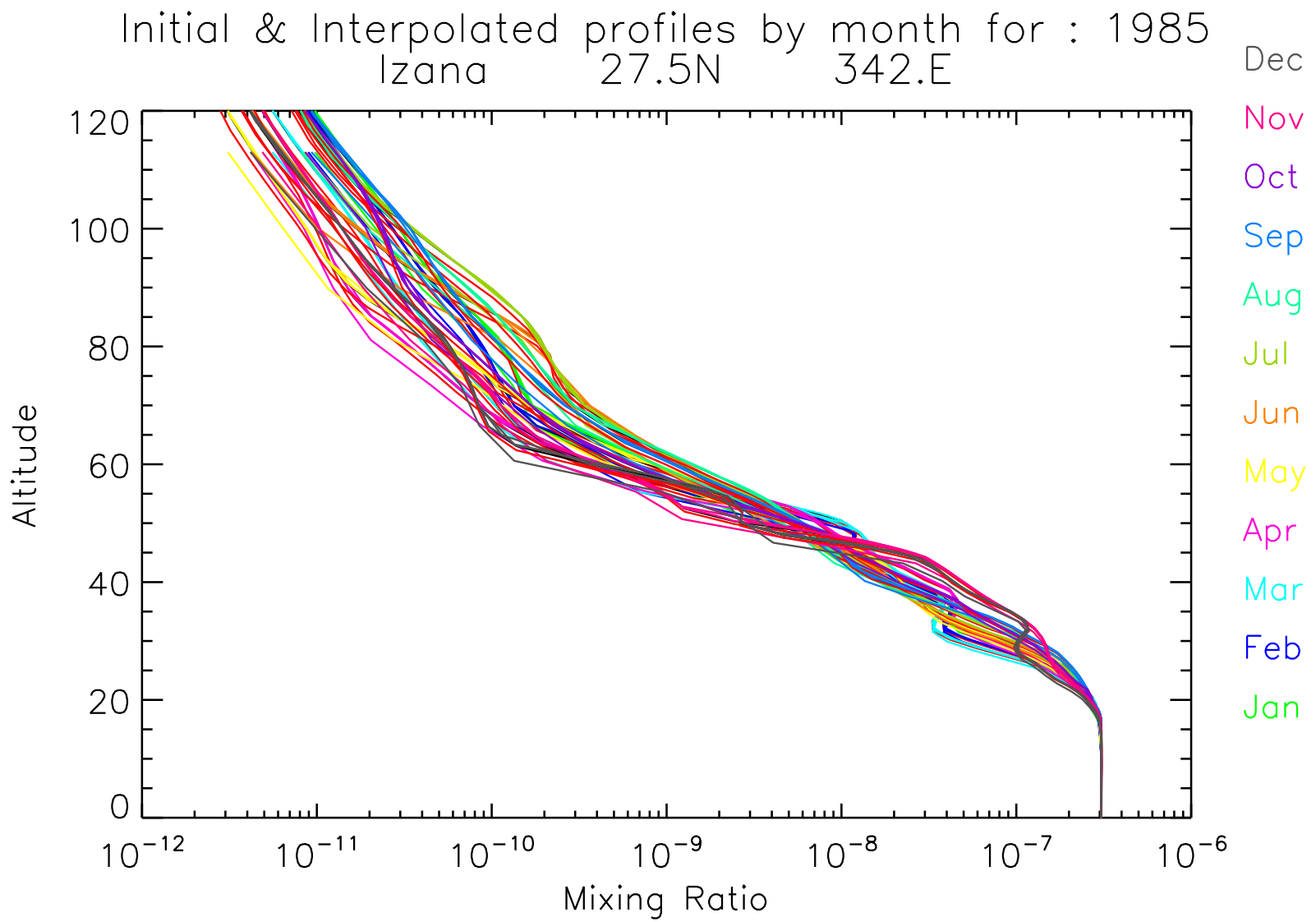
Initial & Interpolated profiles by month for : 1985
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Altitude
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Mixing Ratio
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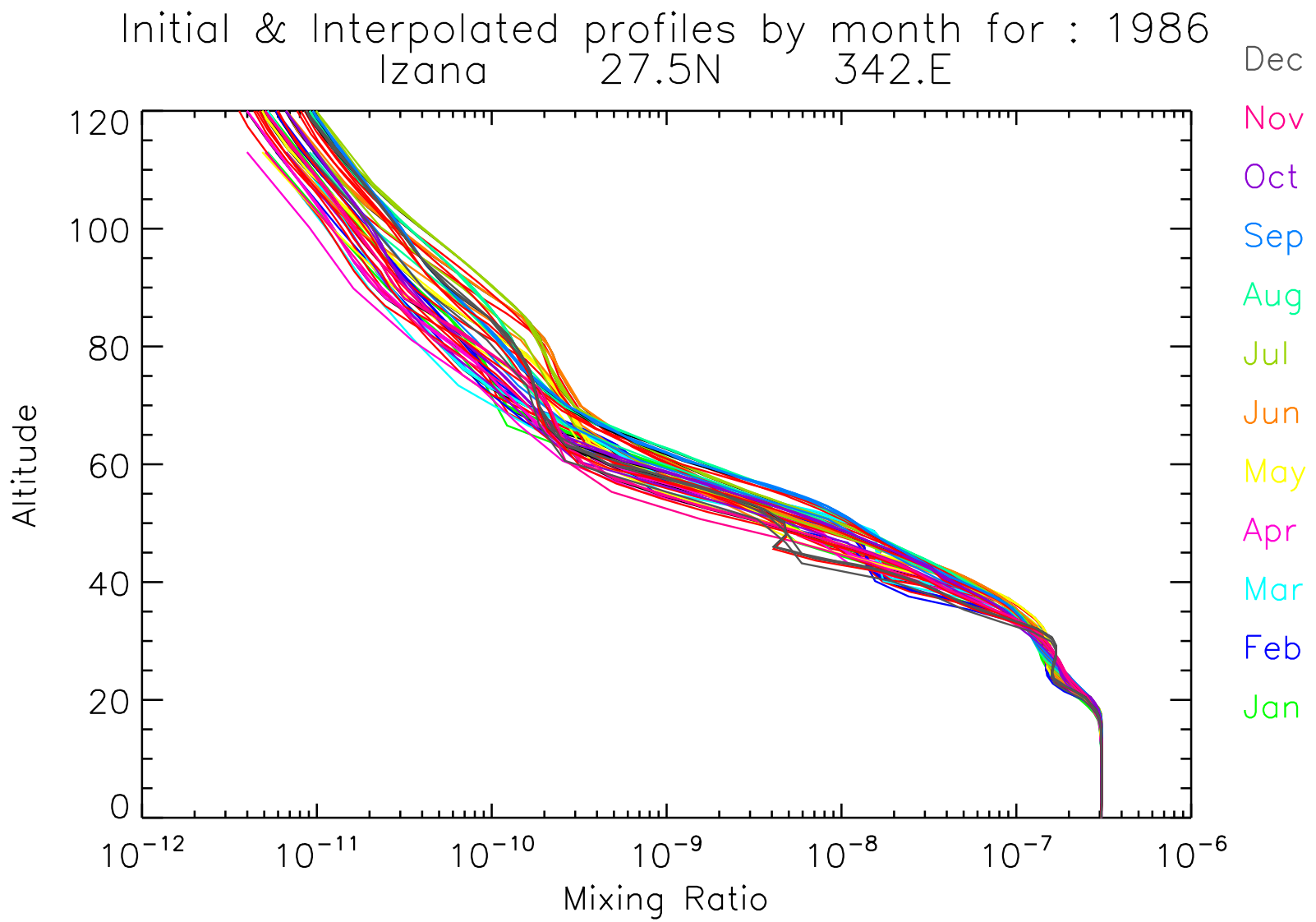
Initial & Interpolated profiles by month for : 1986
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Altitude
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Mixing Ratio
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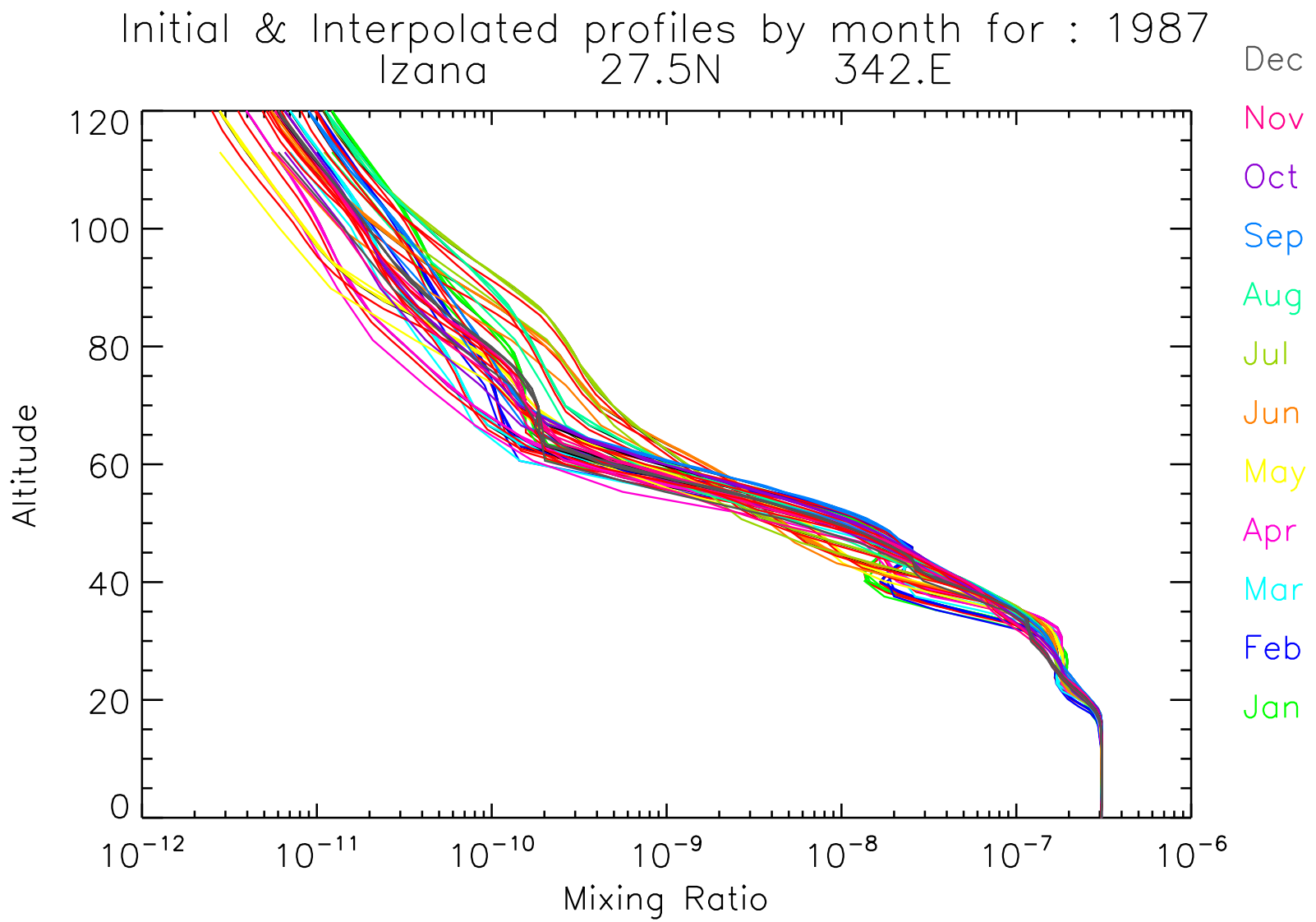
Initial & Interpolated profiles by month for : 1987
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Altitude
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Mixing Ratio
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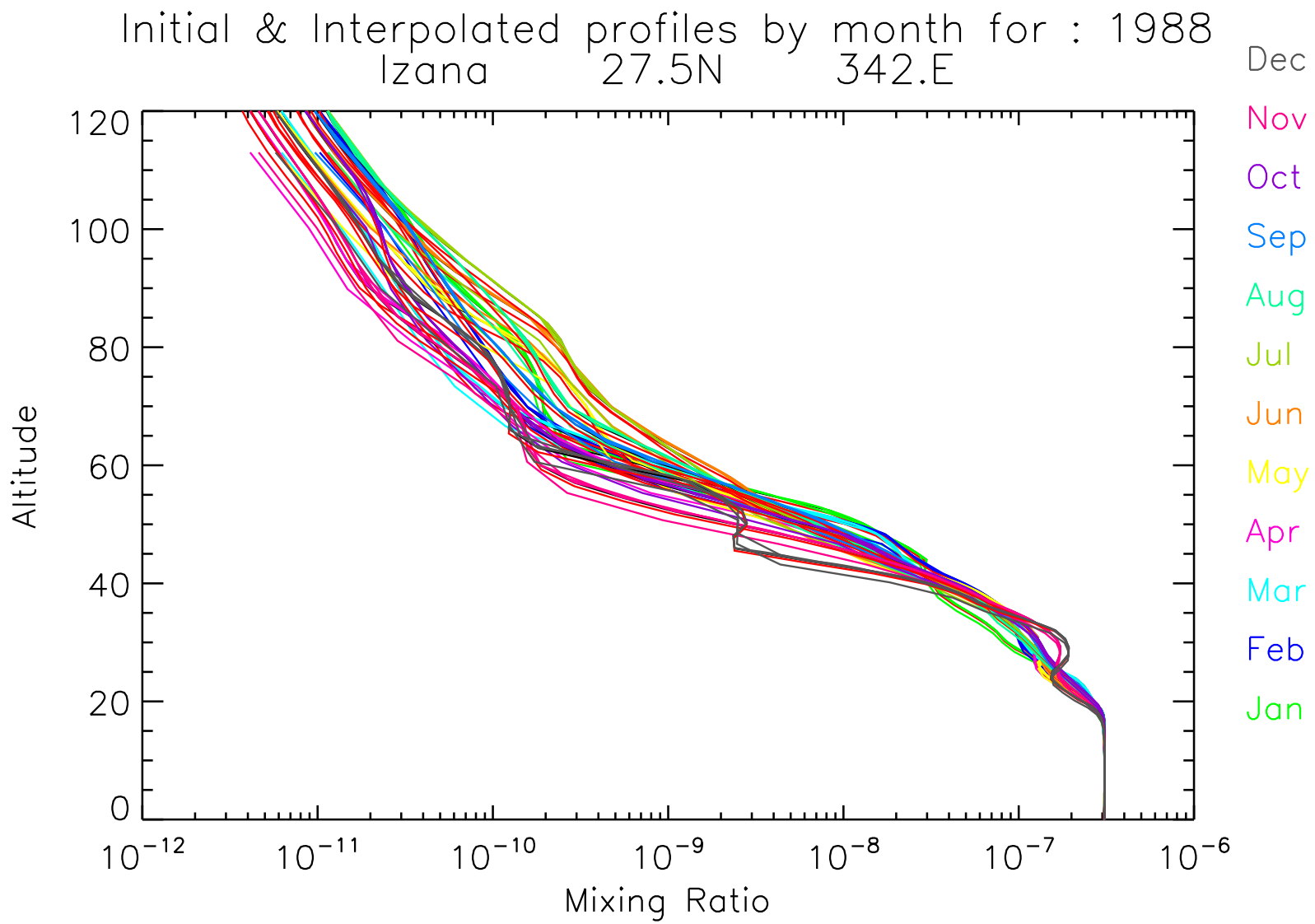
Initial & Interpolated profiles by month for : 1988
Izana 27.5N 342.E
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Altitude
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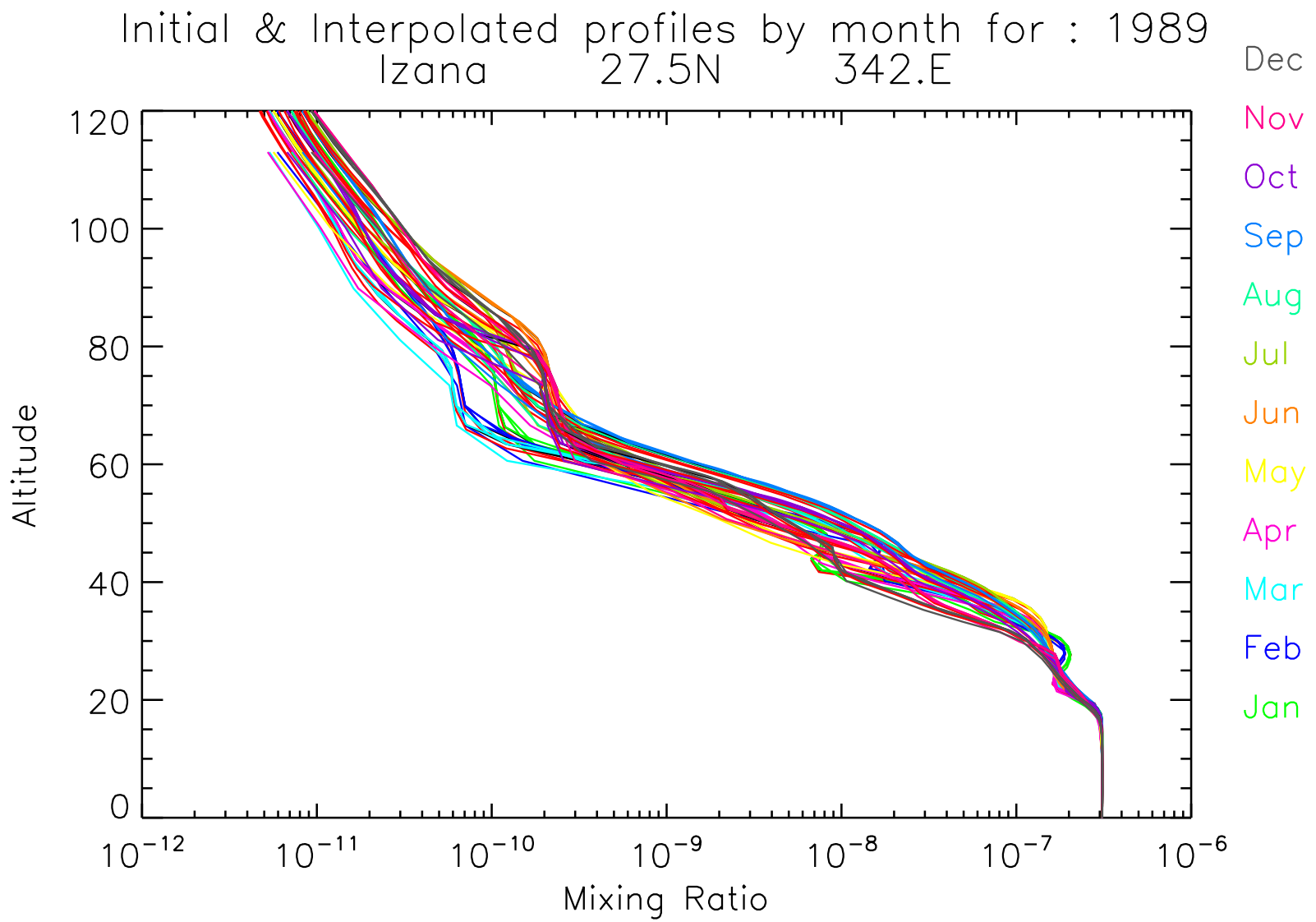
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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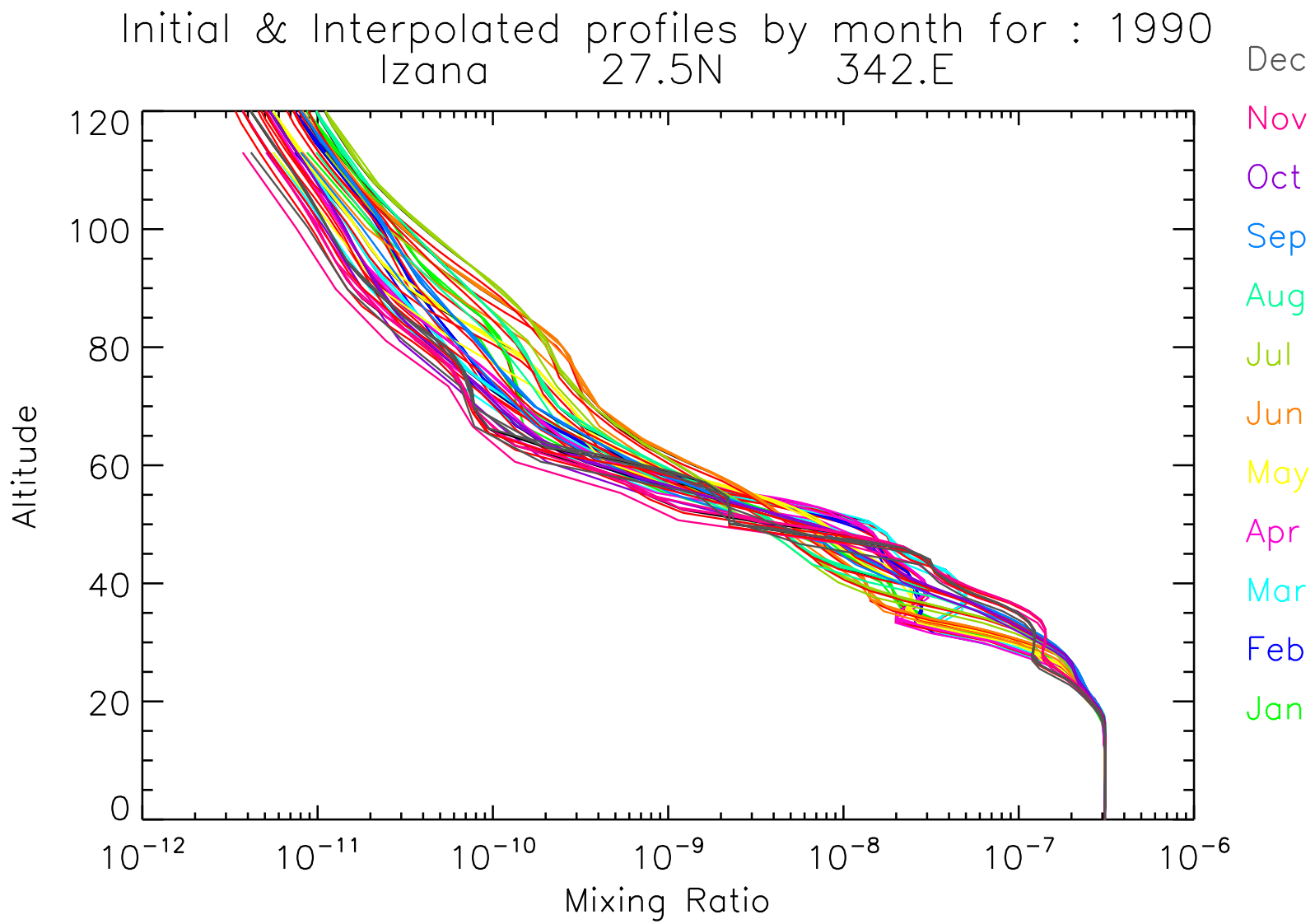
Initial & Interpolated profiles by month for : 1990
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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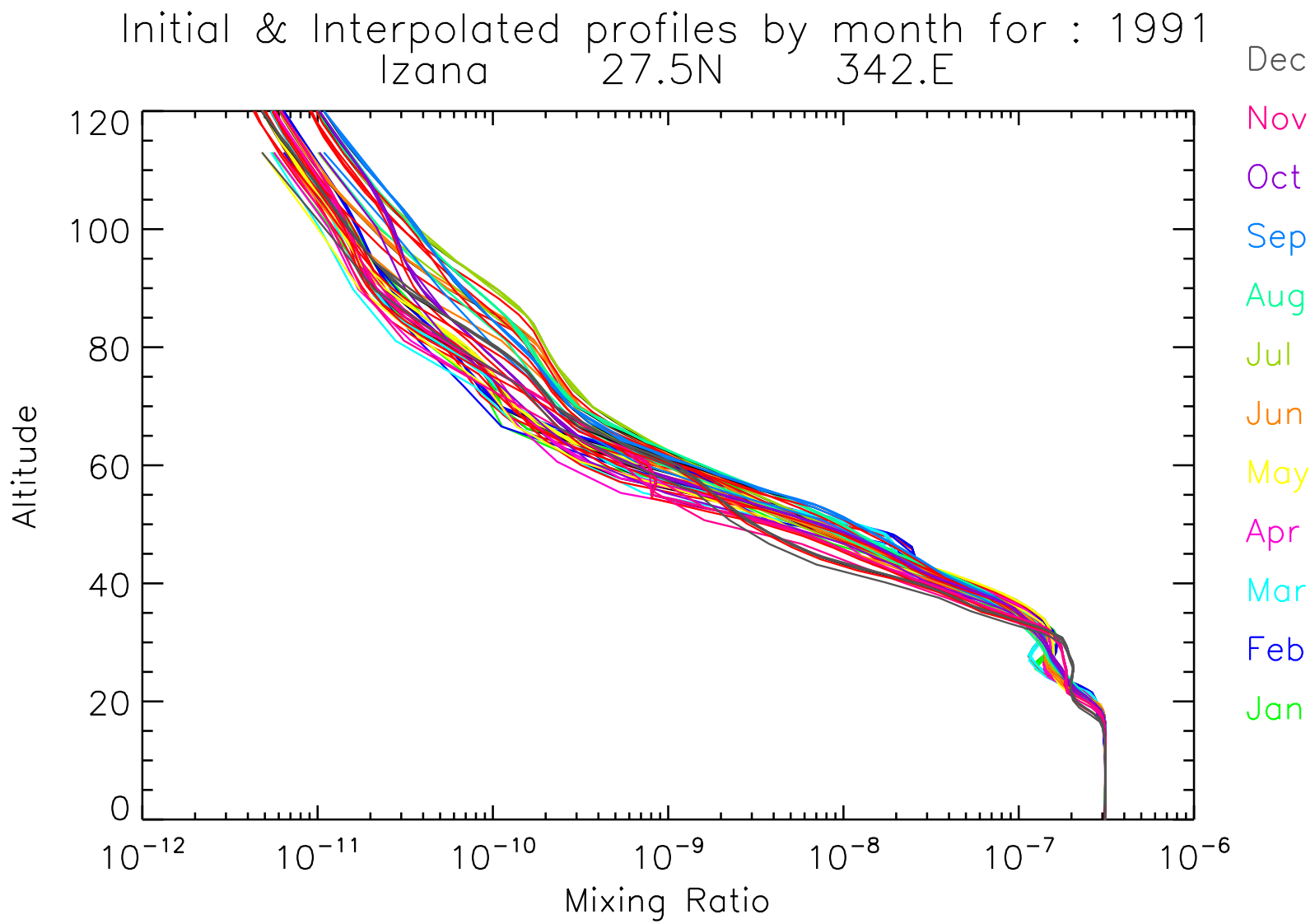
Initial & Interpolated profiles by month for : 1991
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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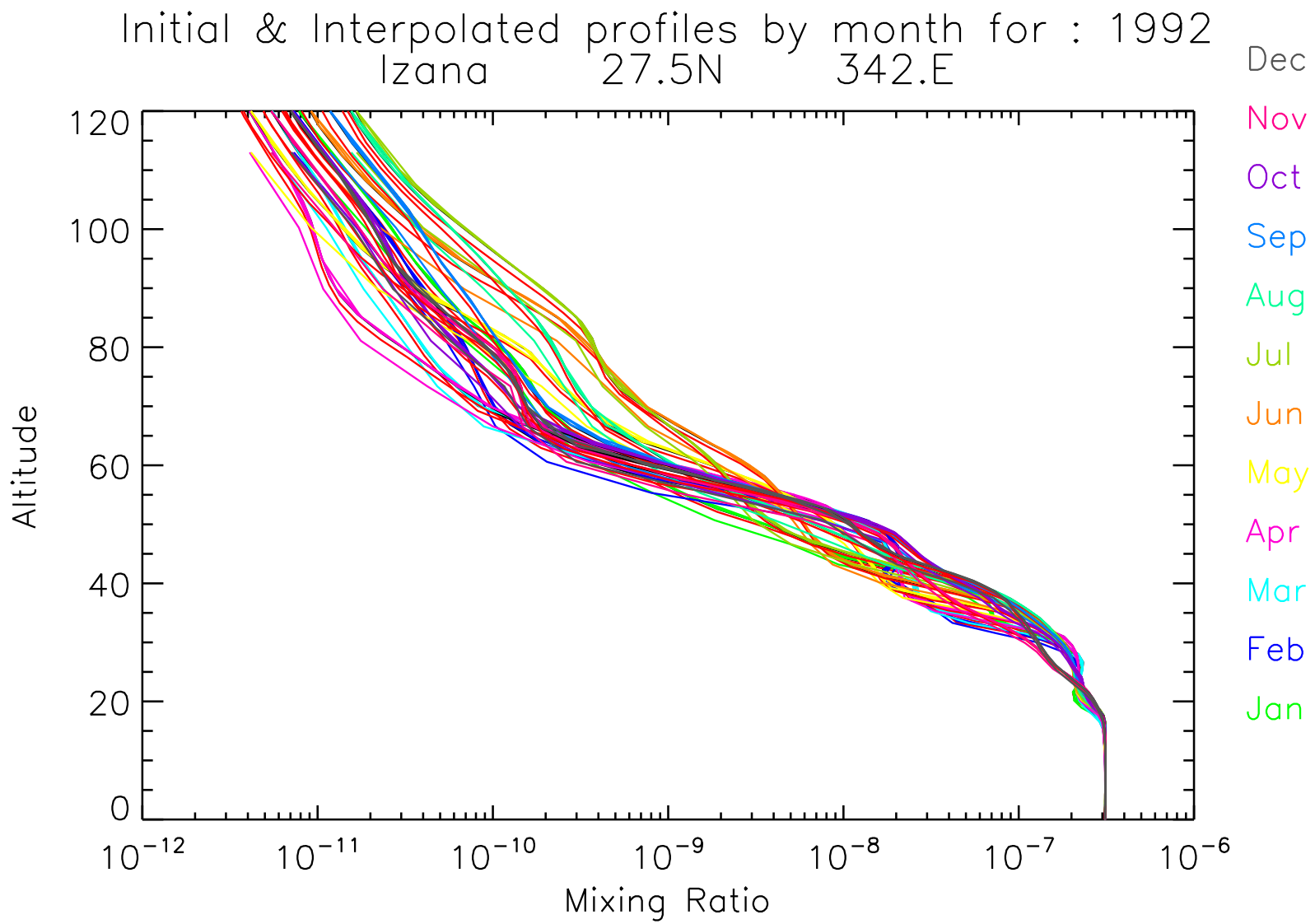
Initial & Interpolated profiles by month for : 1992
Izana 27.5N 342.E
Altitude
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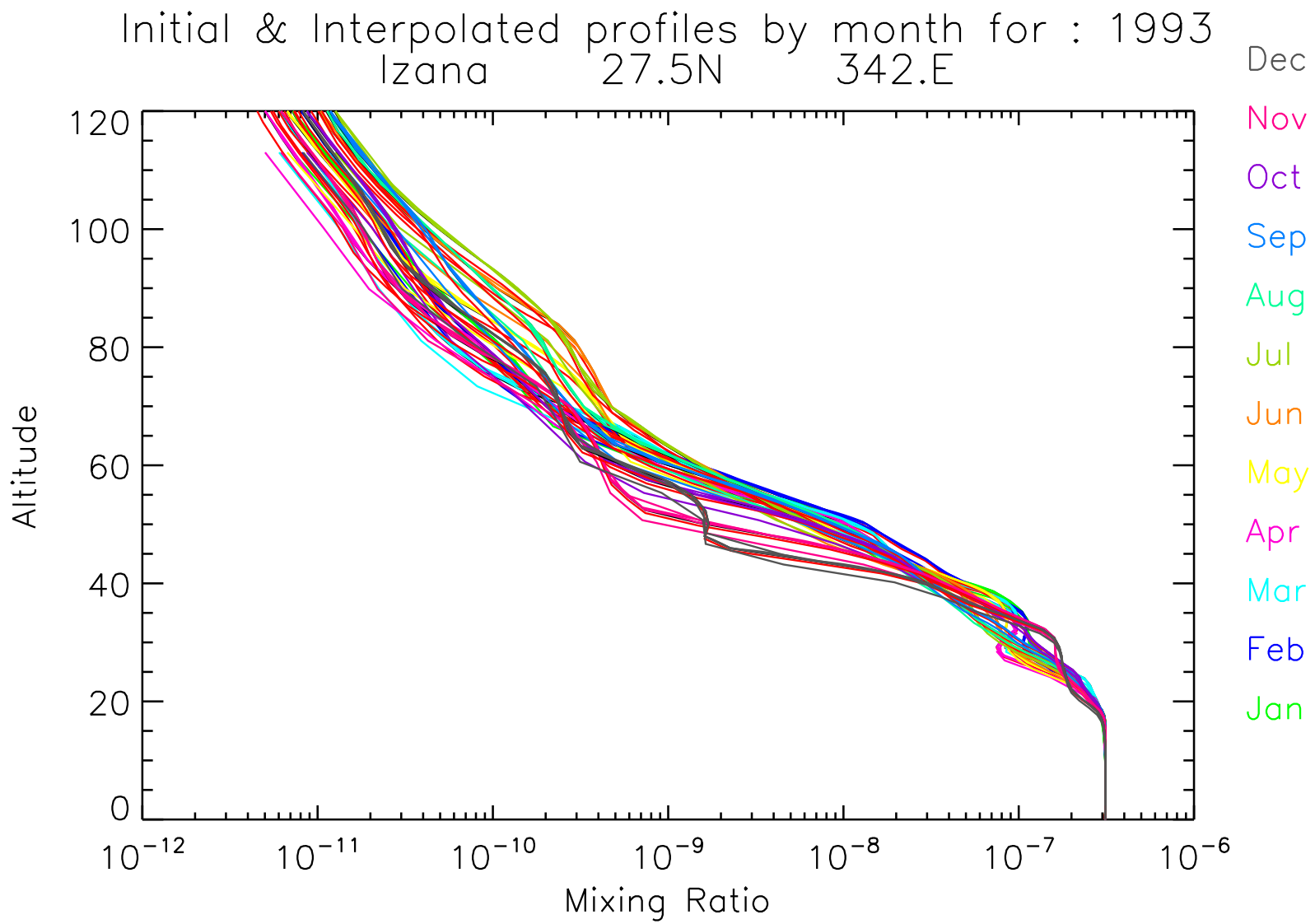
Initial & Interpolated profiles by month for : 1993
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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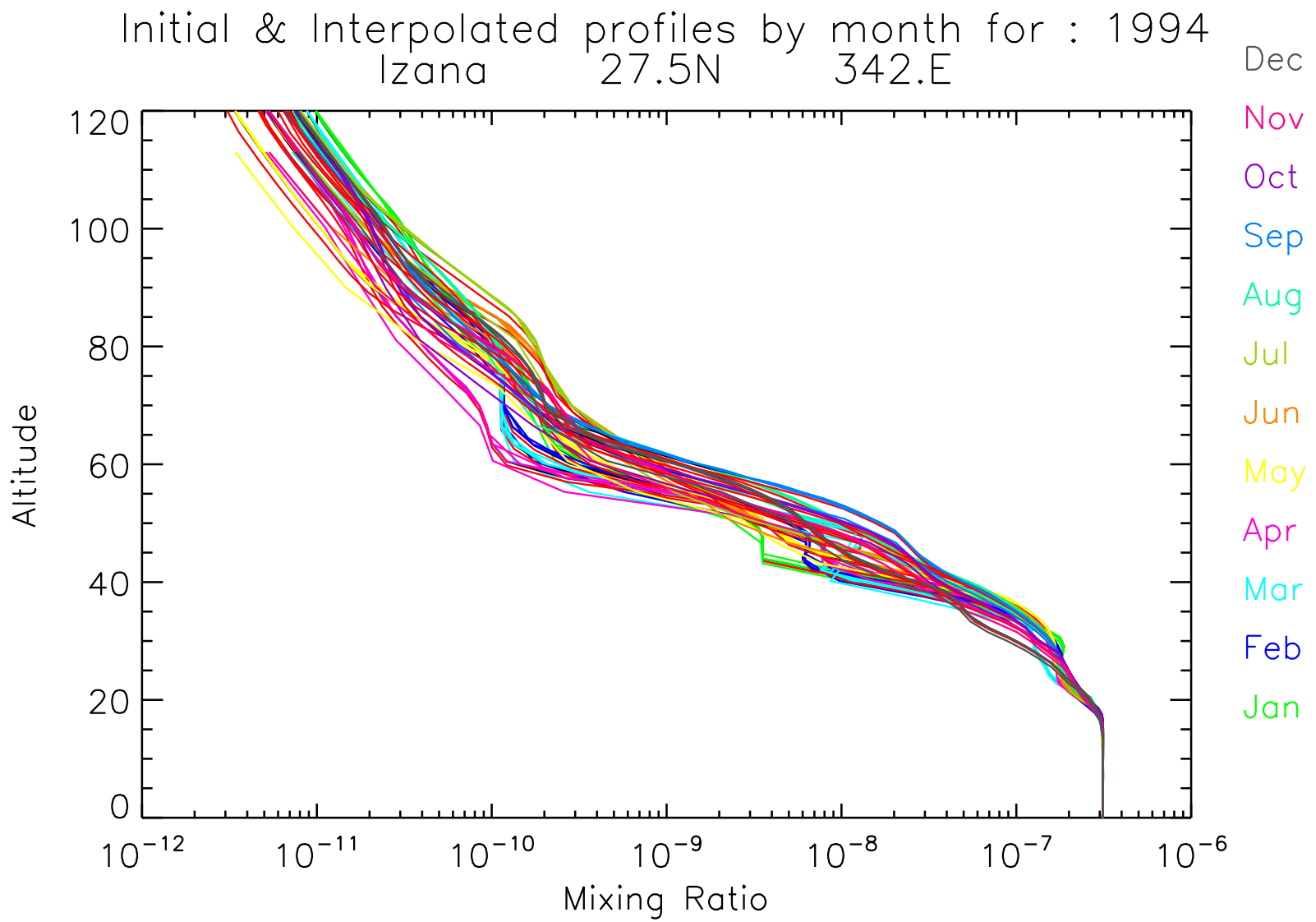
Initial & Interpolated profiles by month for : 1994
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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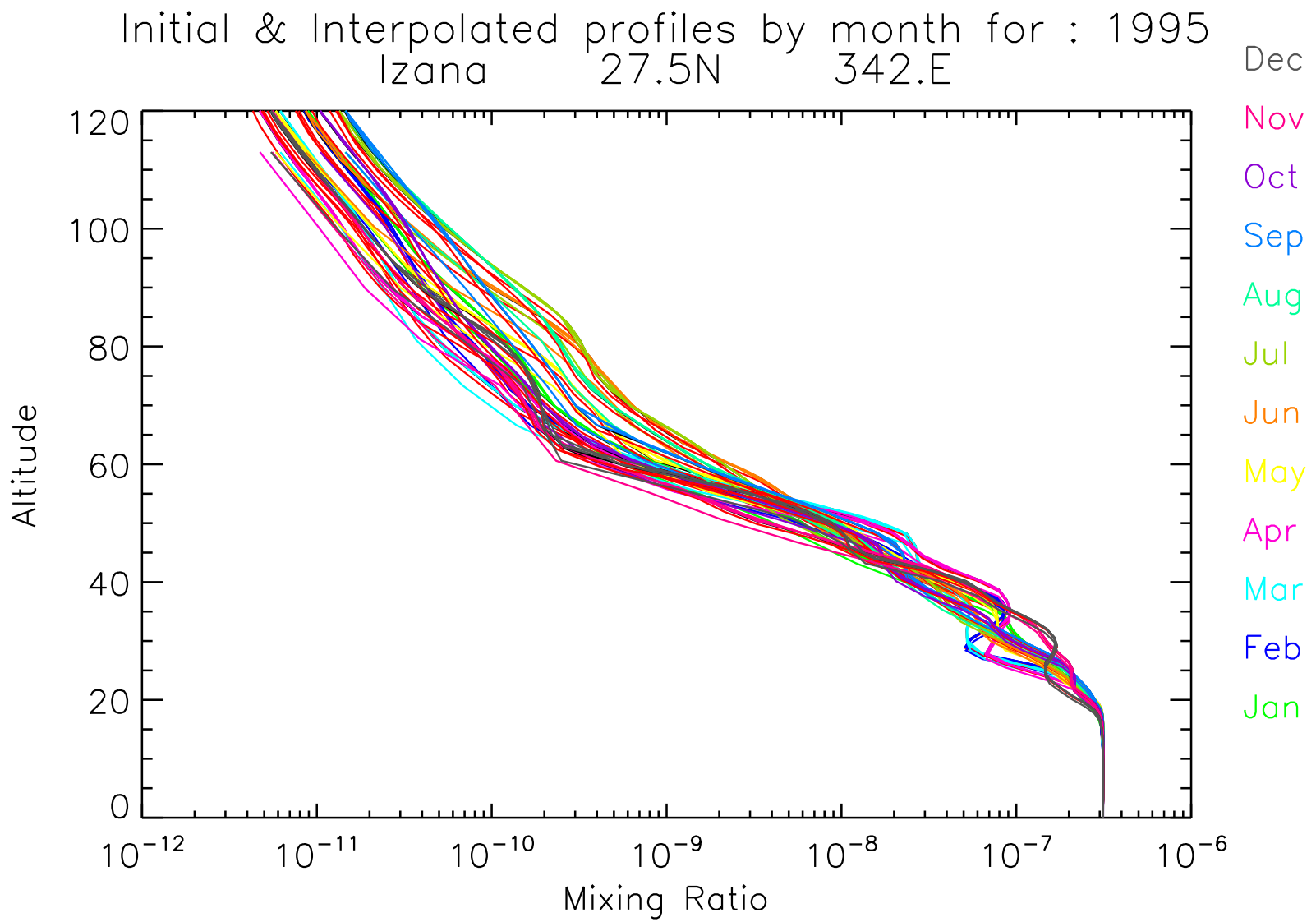
Initial & Interpolated profiles by month for : 1995
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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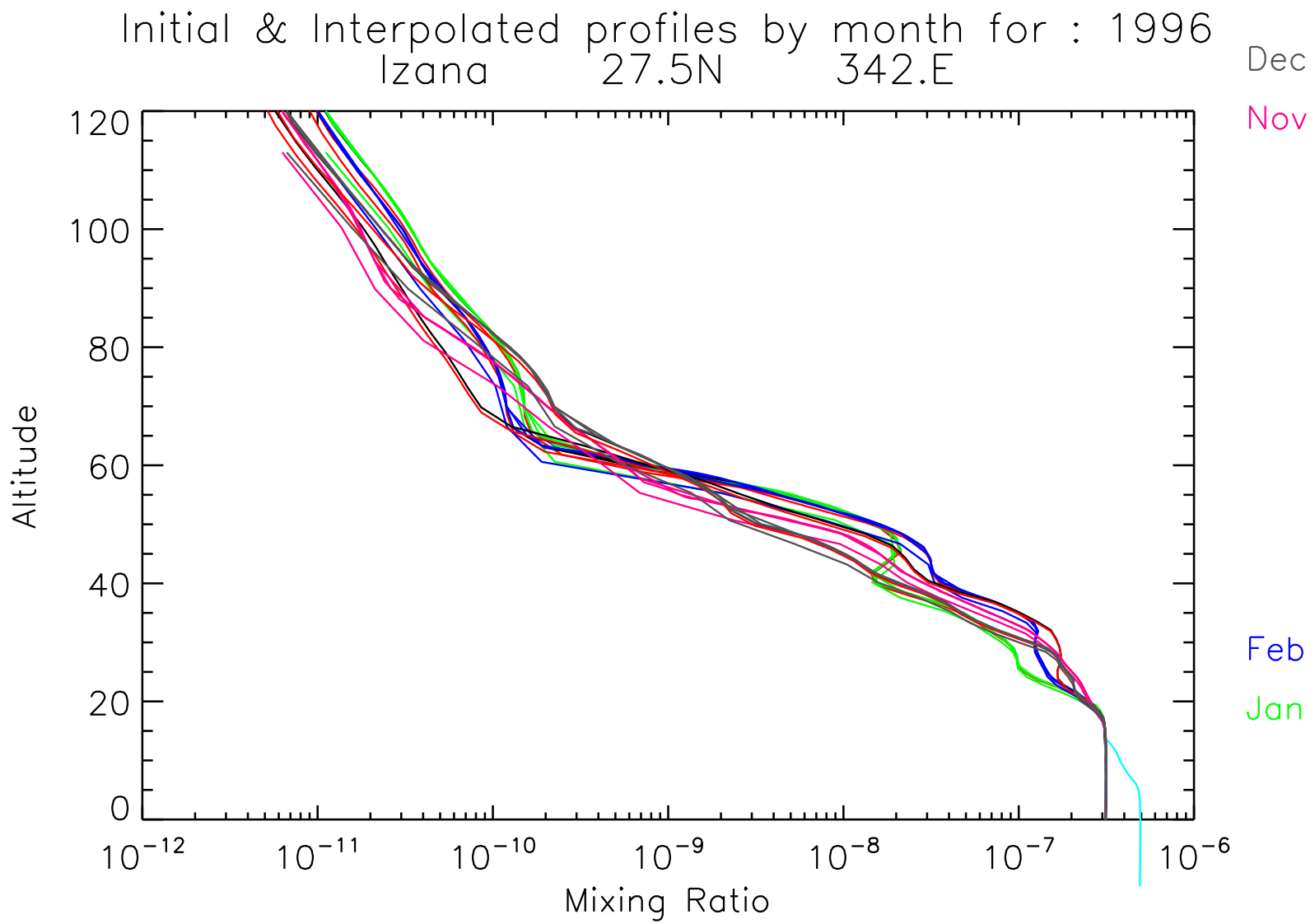
Initial & Interpolated profiles by month for : 1996
Izana 27.5N 342.E
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Altitude
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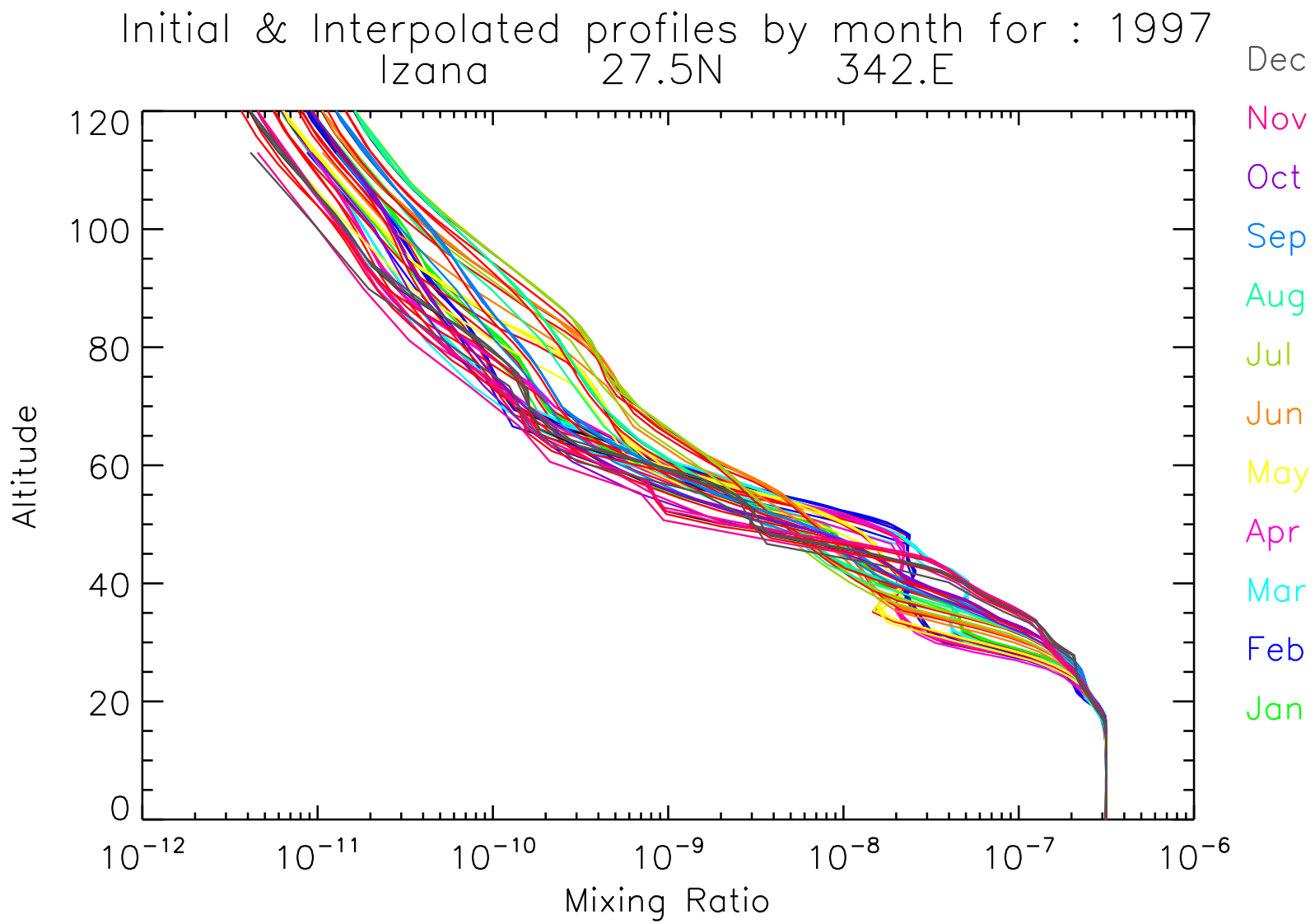
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
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Altitude
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Mixing Ratio
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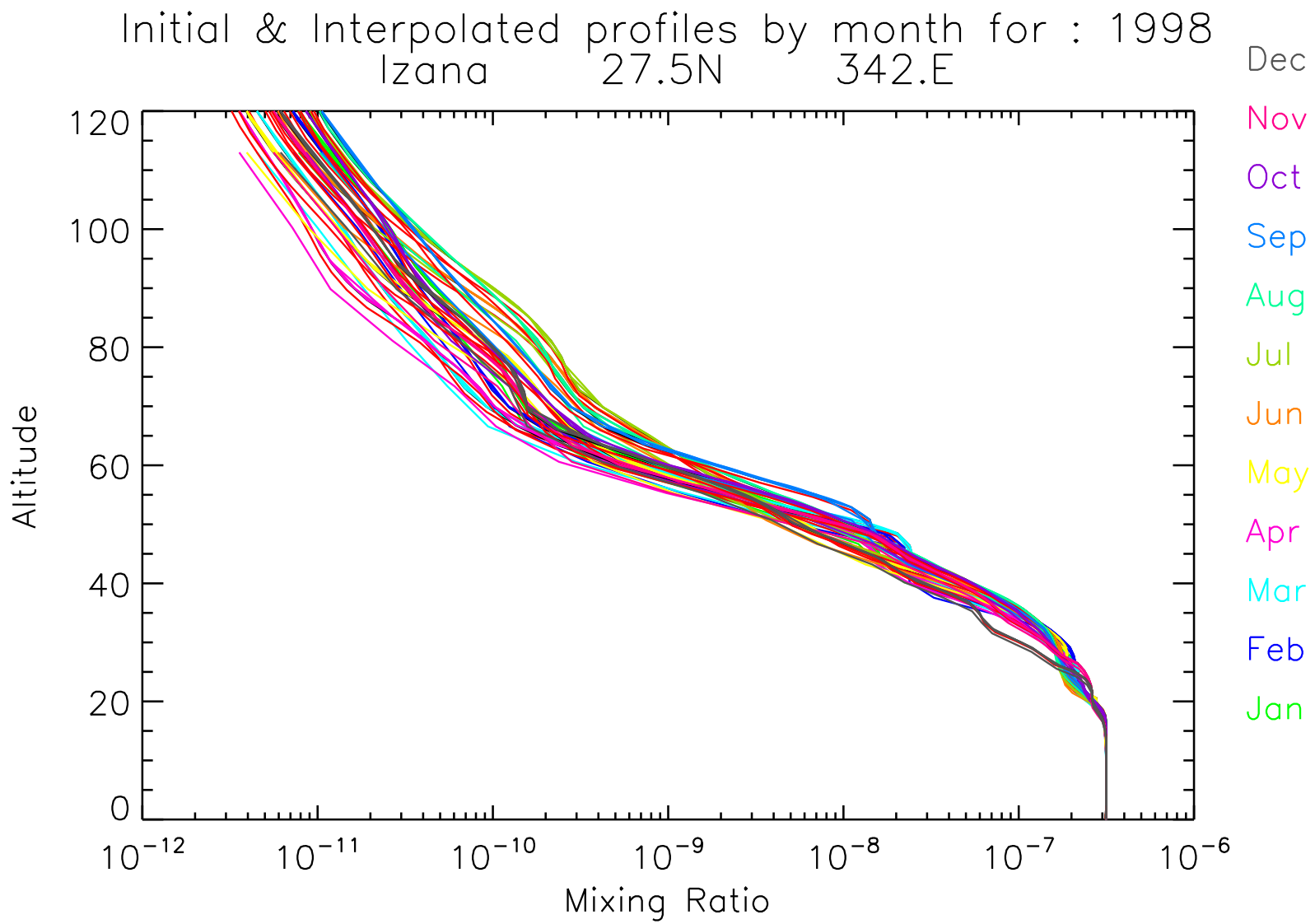
Initial & Interpolated profiles by month for : 1998
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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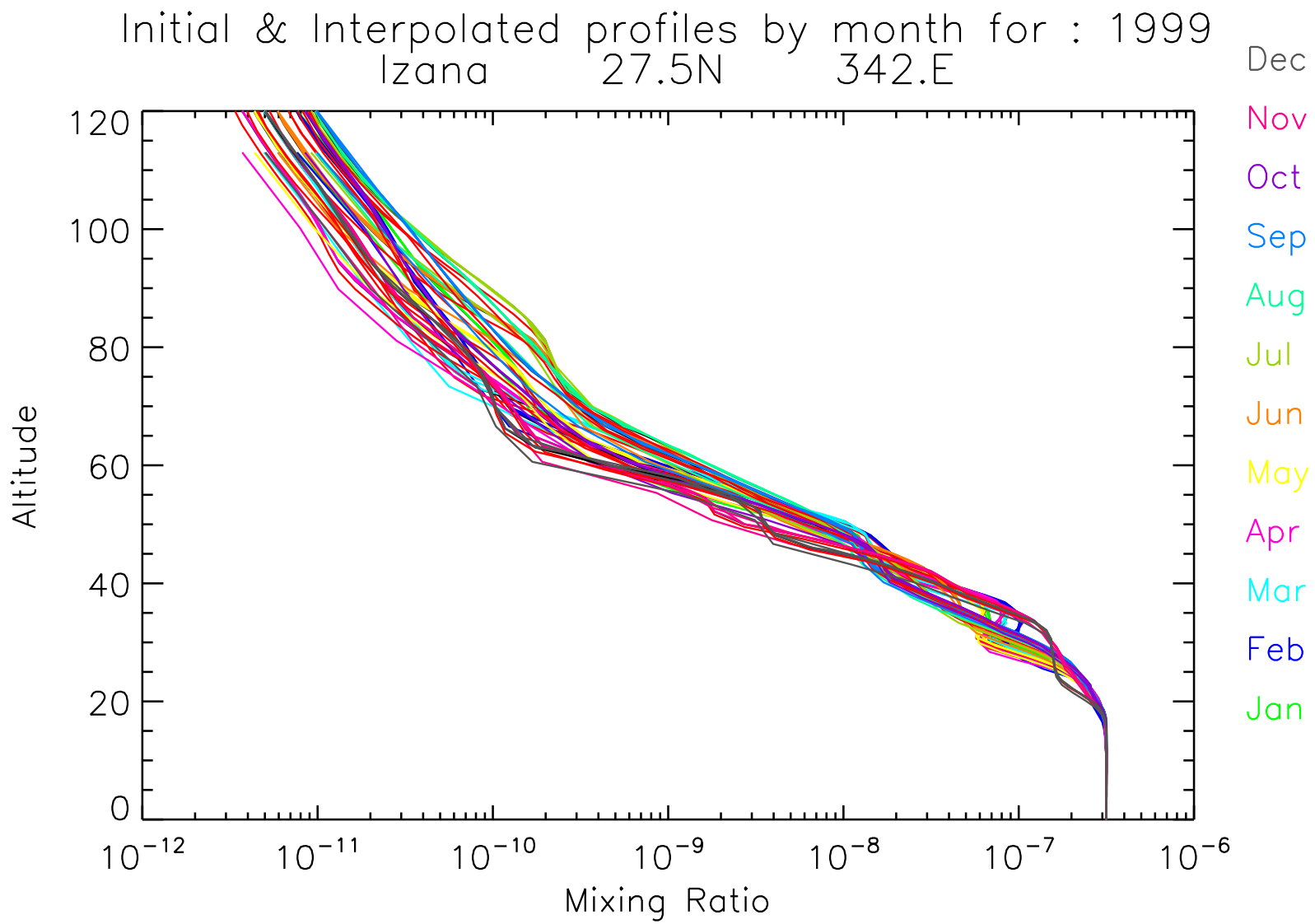
Initial & Interpolated profiles by month for : 1999
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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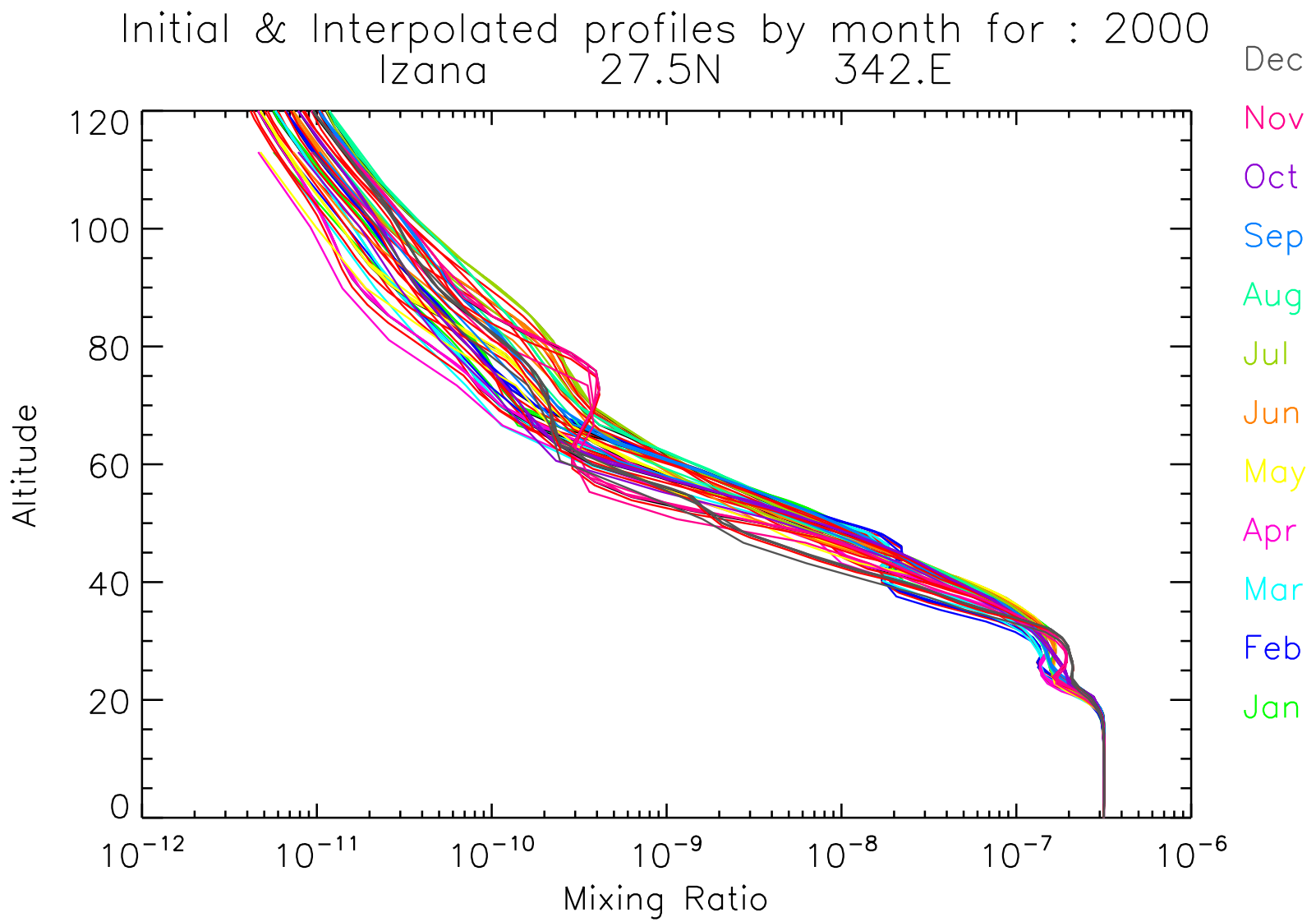
Initial & Interpolated profiles by month for : 2000
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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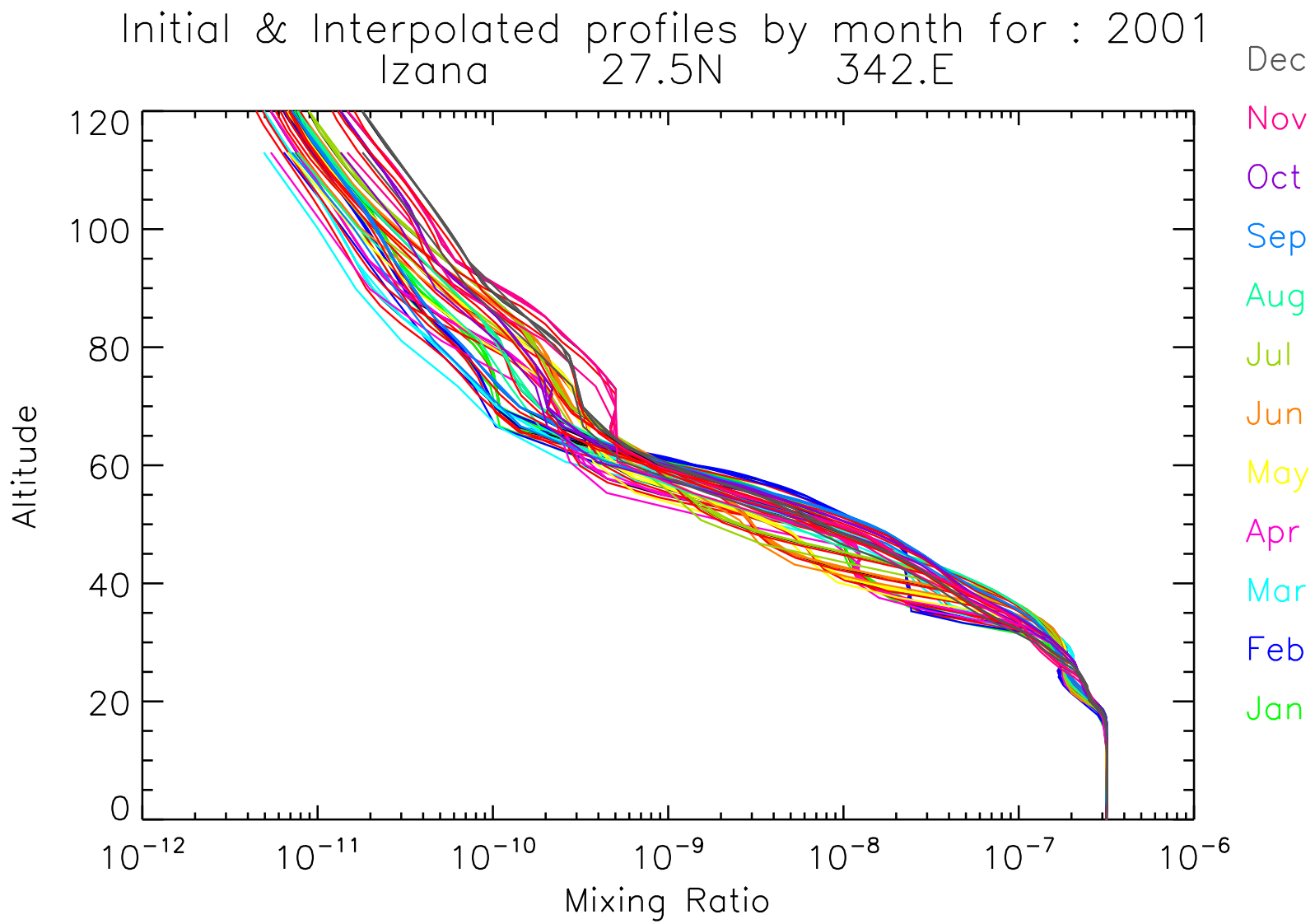
Initial & Interpolated profiles by month for : 2001
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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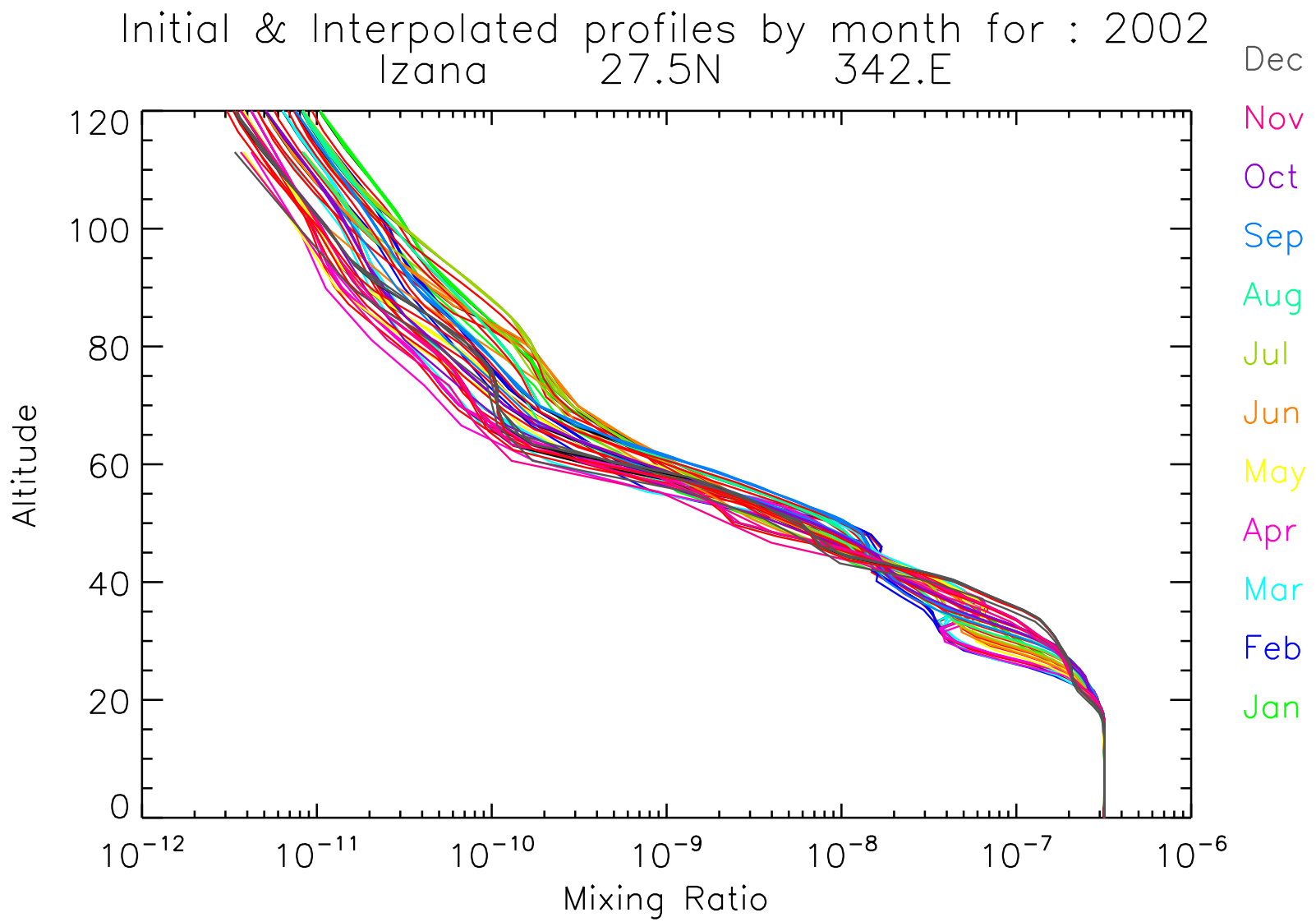
Initial & Interpolated profiles by month for : 2002
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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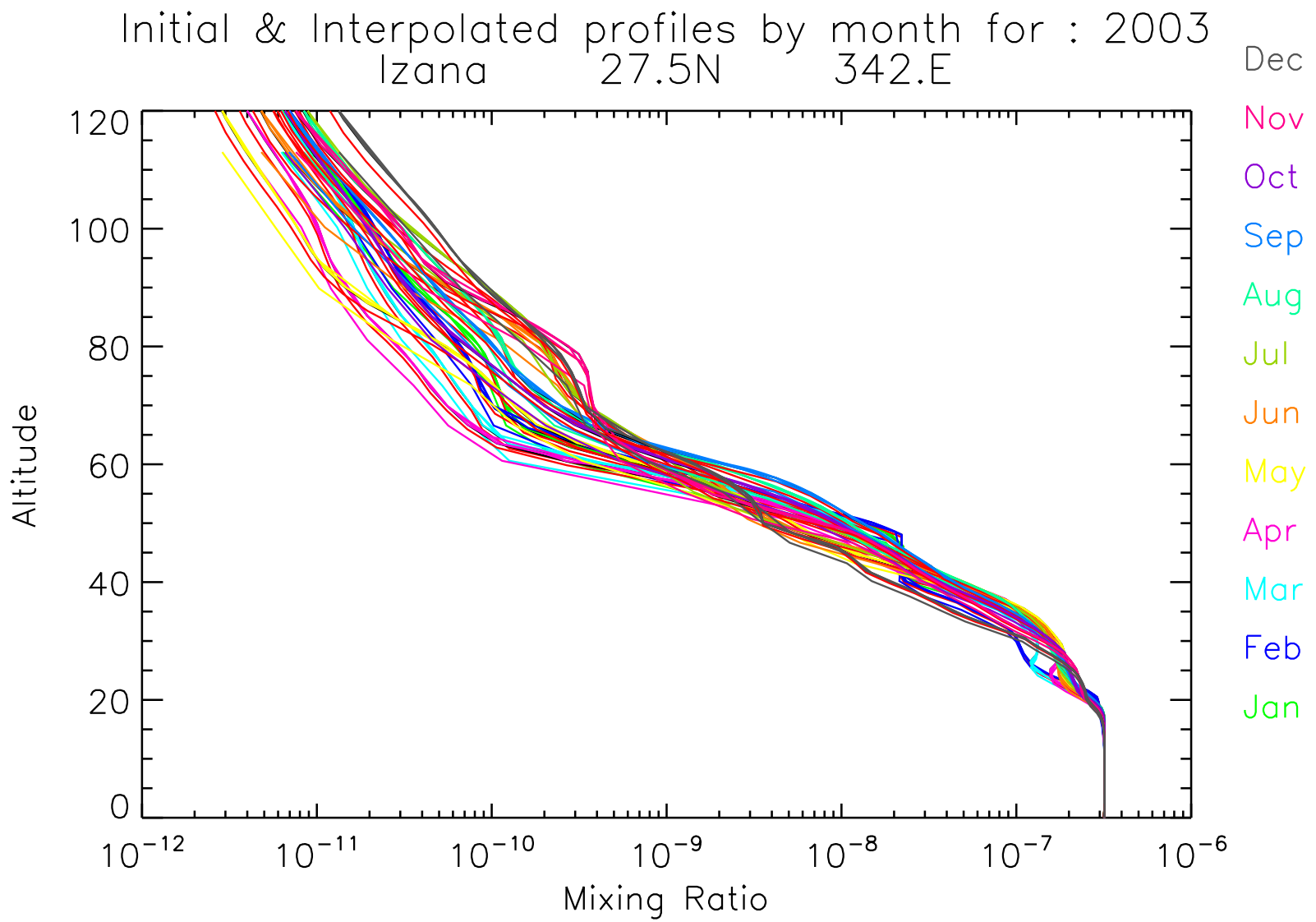
Initial & Interpolated profiles by month for : 2003
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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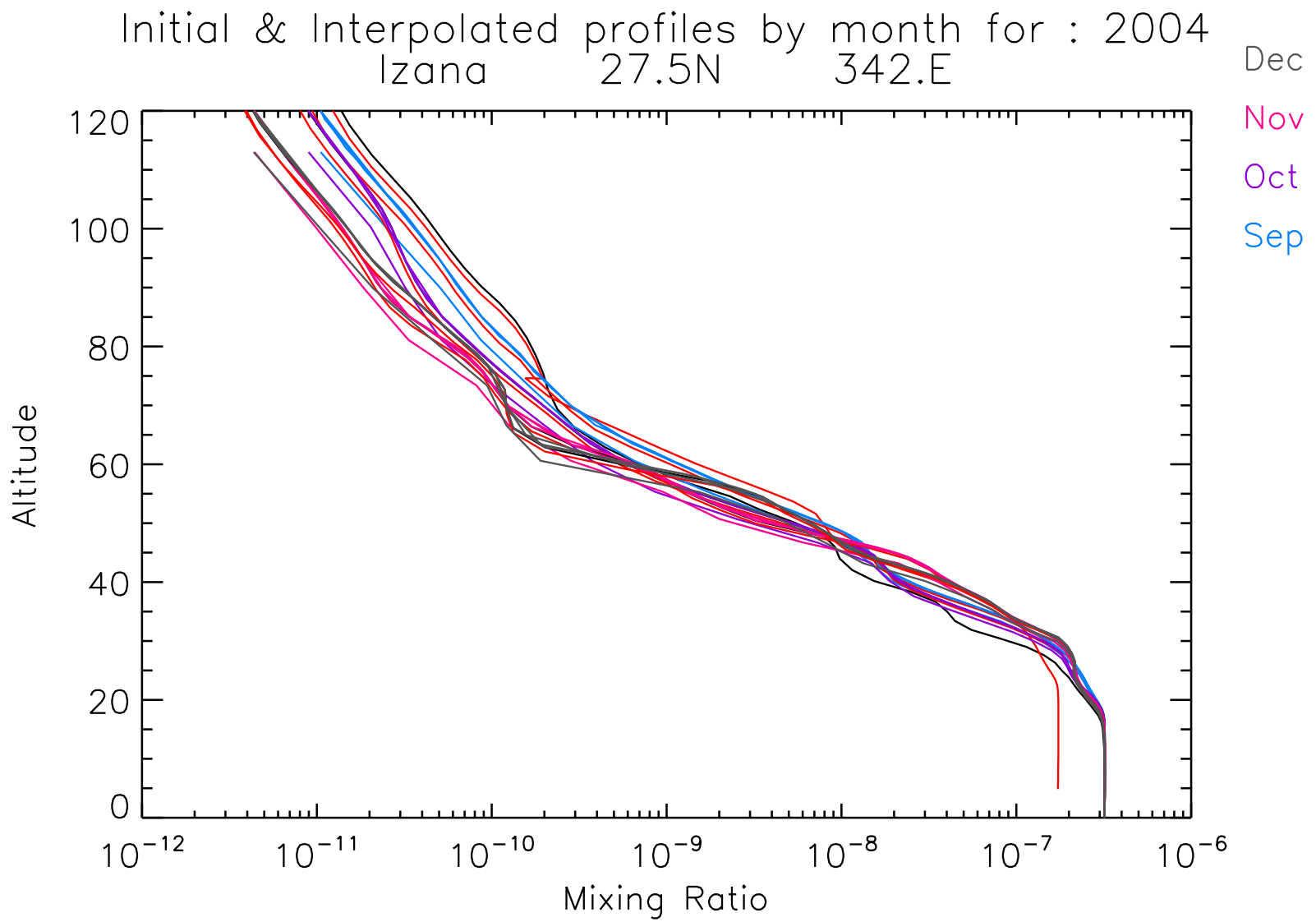
Initial & Interpolated profiles by month for : 2004
Izana 27.5N 342.E
Dec
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Altitude
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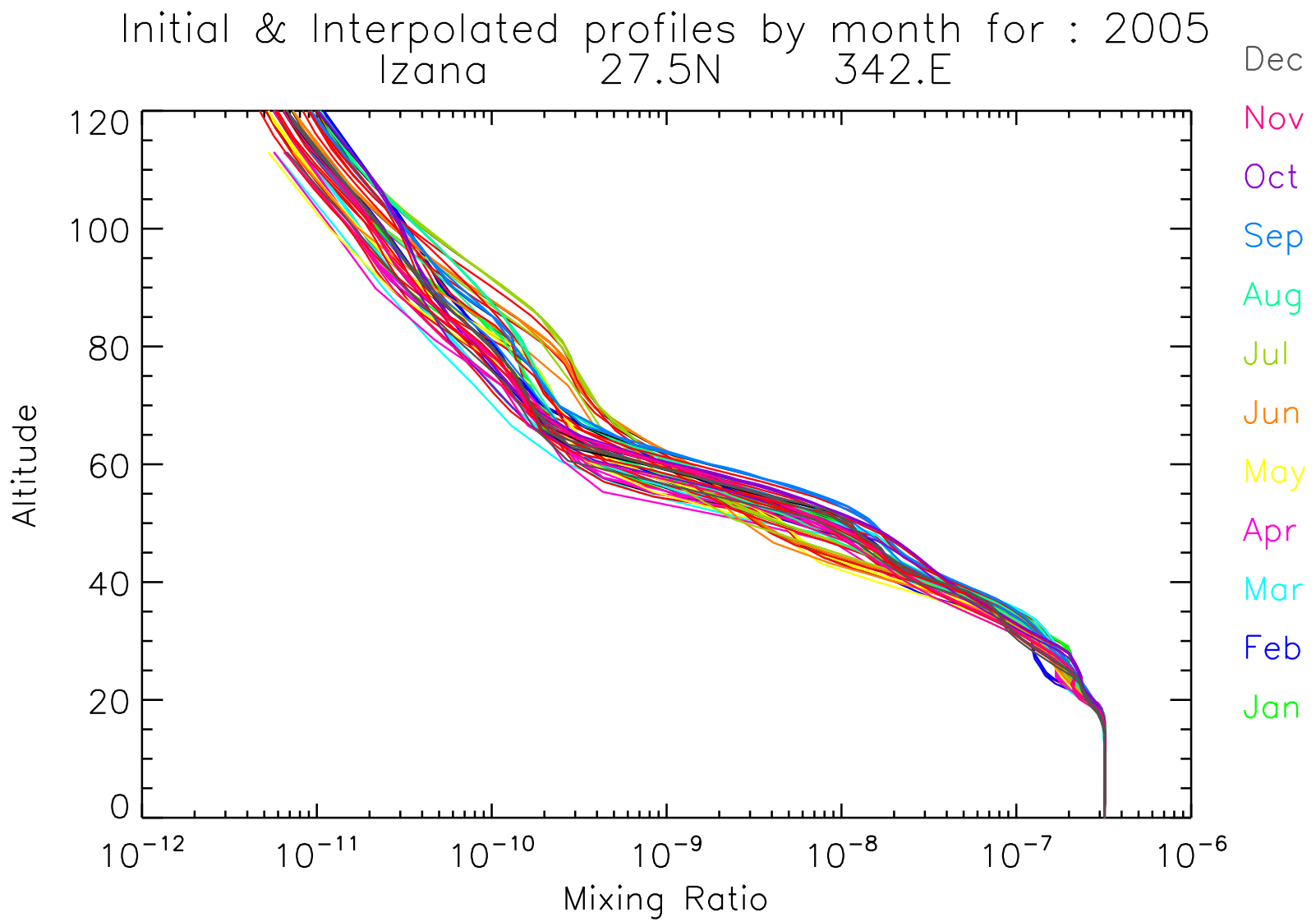
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Izana 27.5N 342.E
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Altitude
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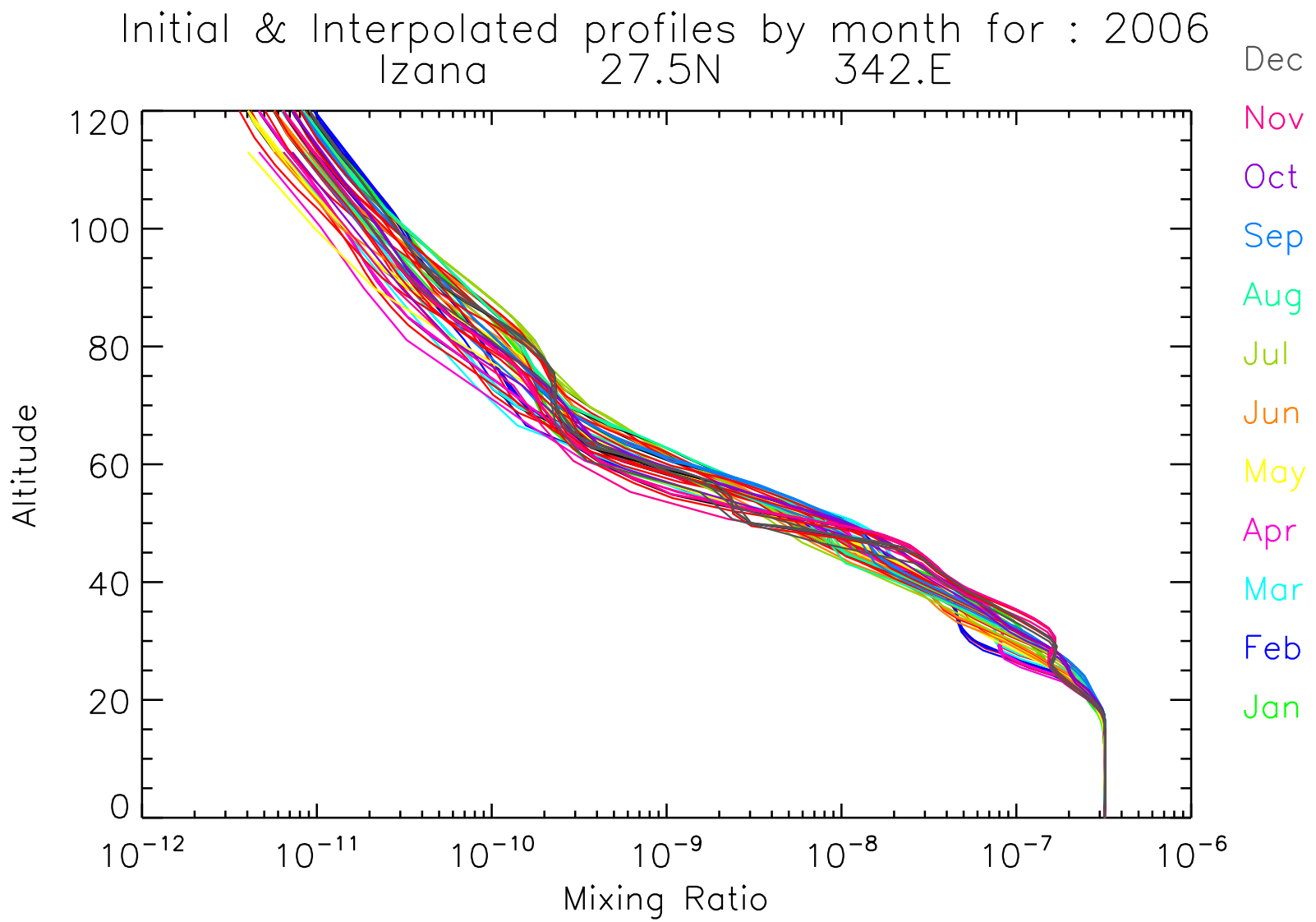
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Izana 27.5N 342.E
Altitude
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10^{-12}
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Mixing Ratio
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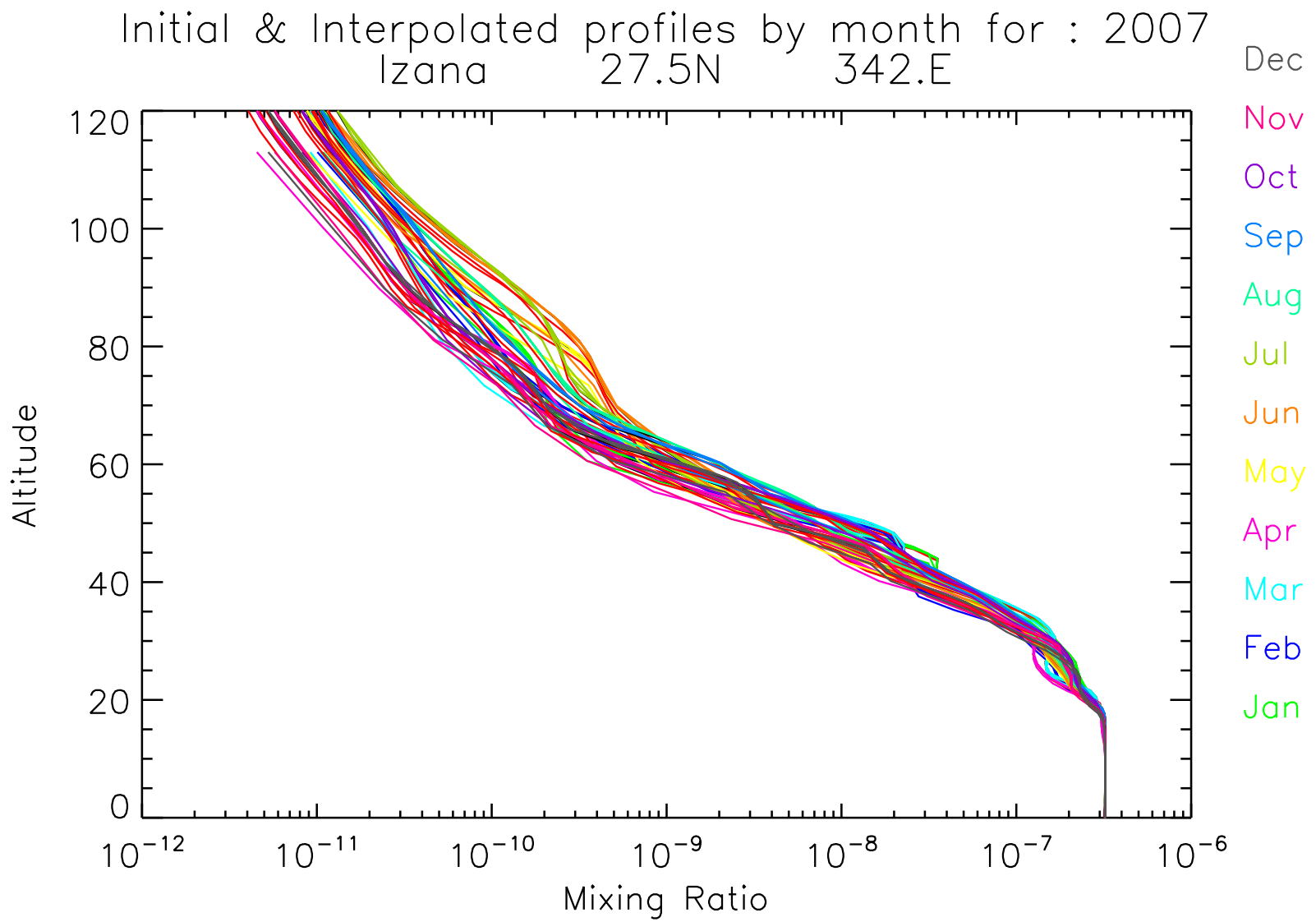
Initial & Interpolated profiles by month for : 2007
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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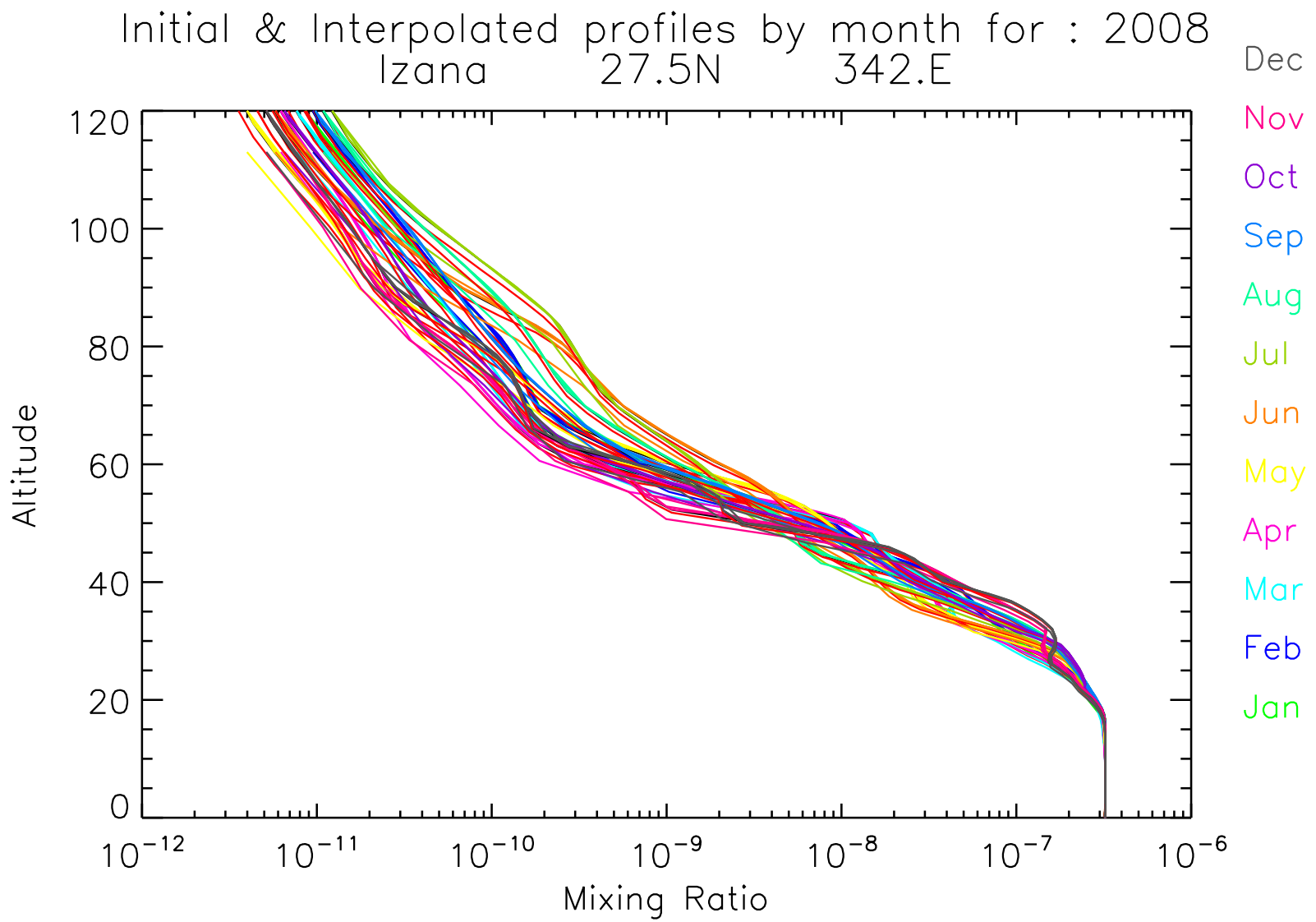
Initial & Interpolated profiles by month for : 2008
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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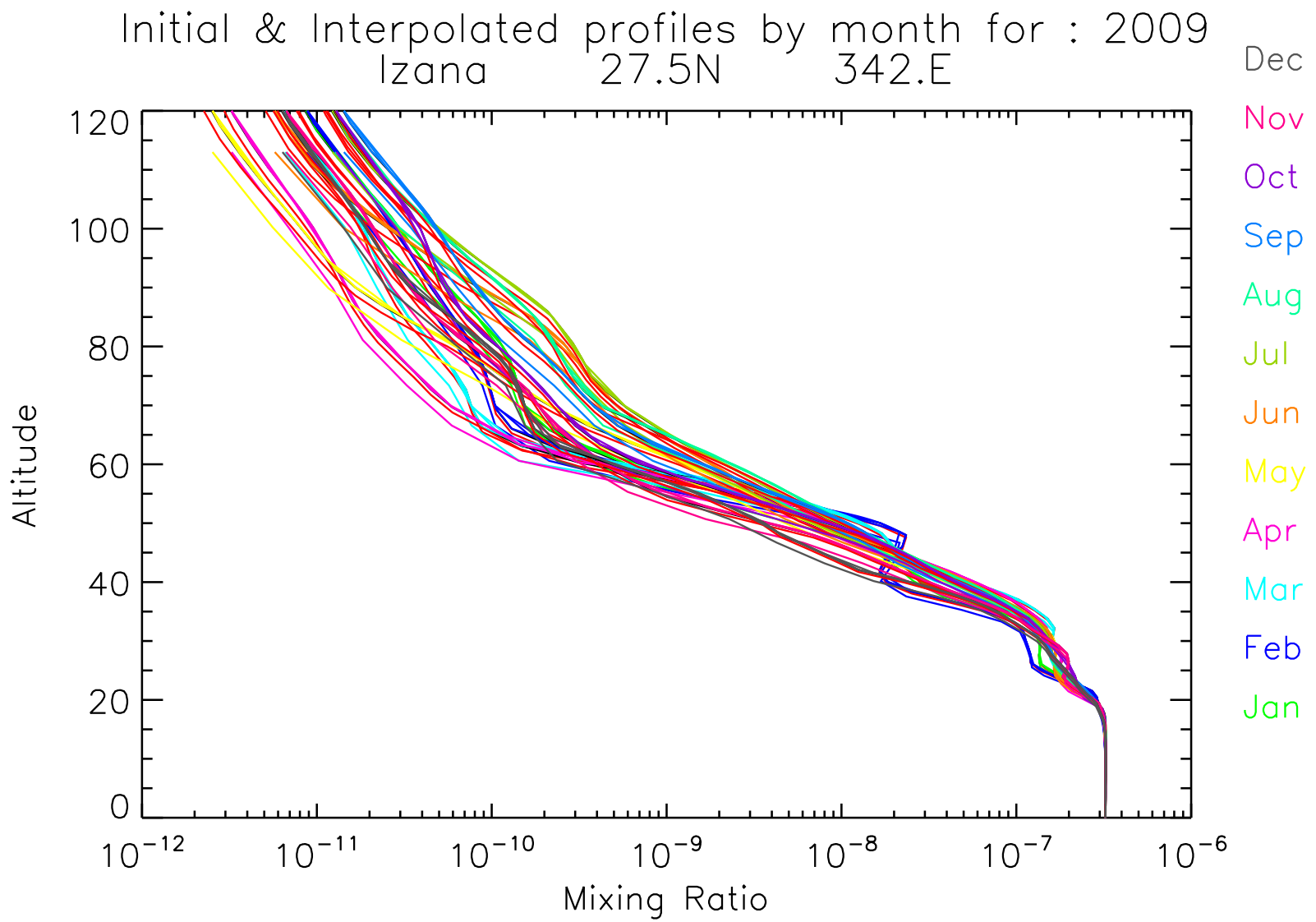
Initial & Interpolated profiles by month for : 2009
Izana 27.5N 342.E
Altitude
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Mixing Ratio
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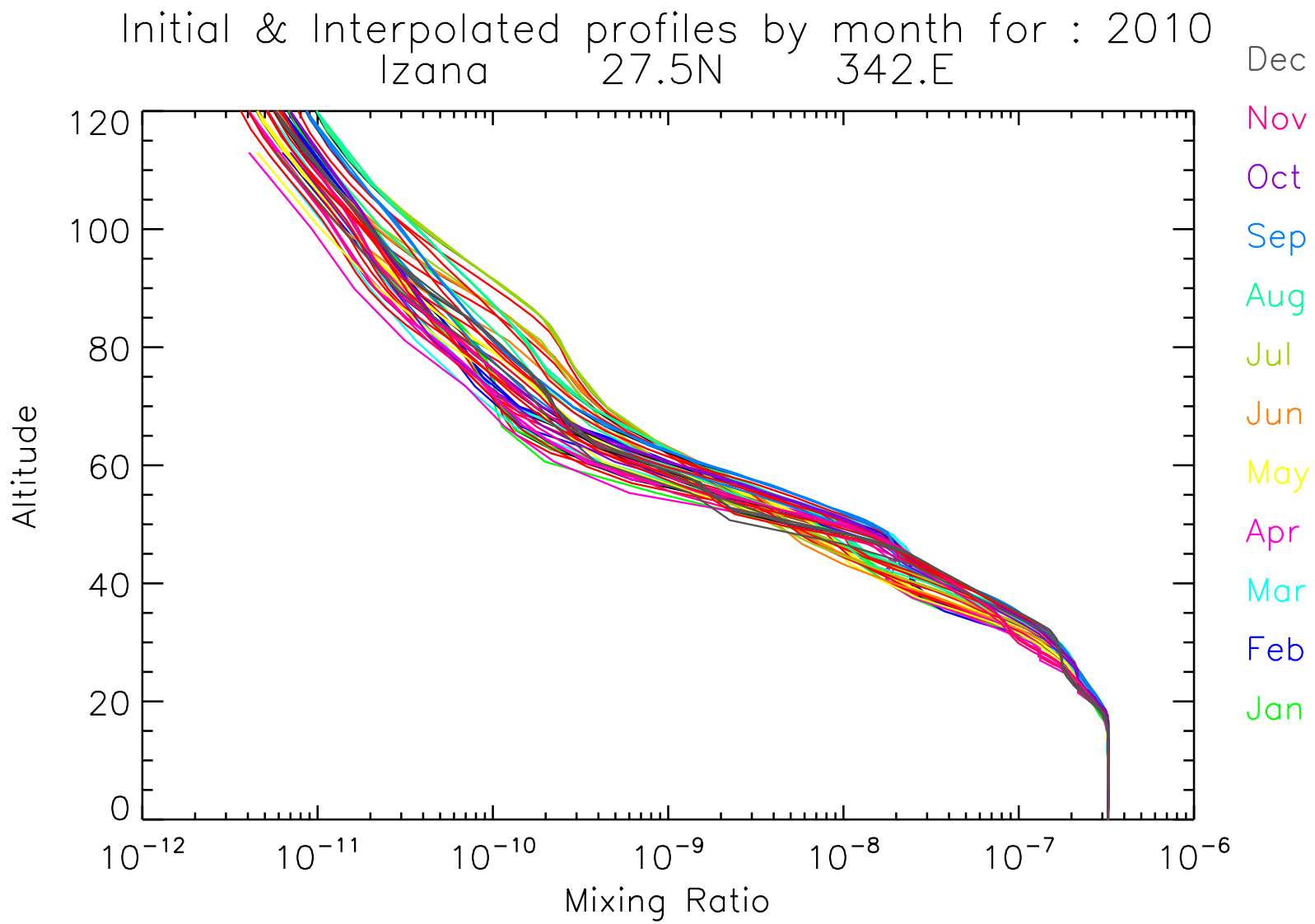
Initial & Interpolated profiles by month for : 2010
Izana 27.5N 342.E
Altitude
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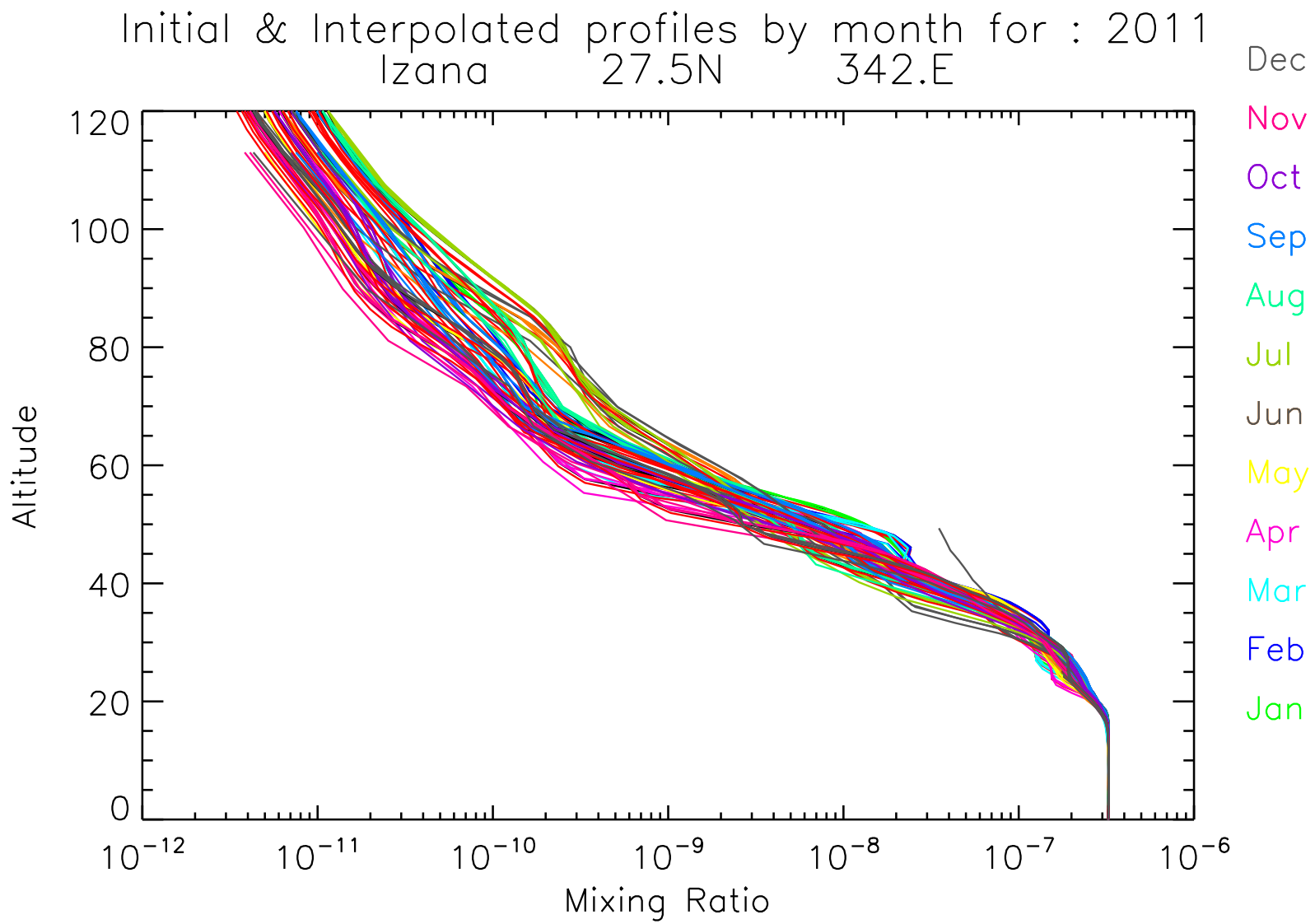
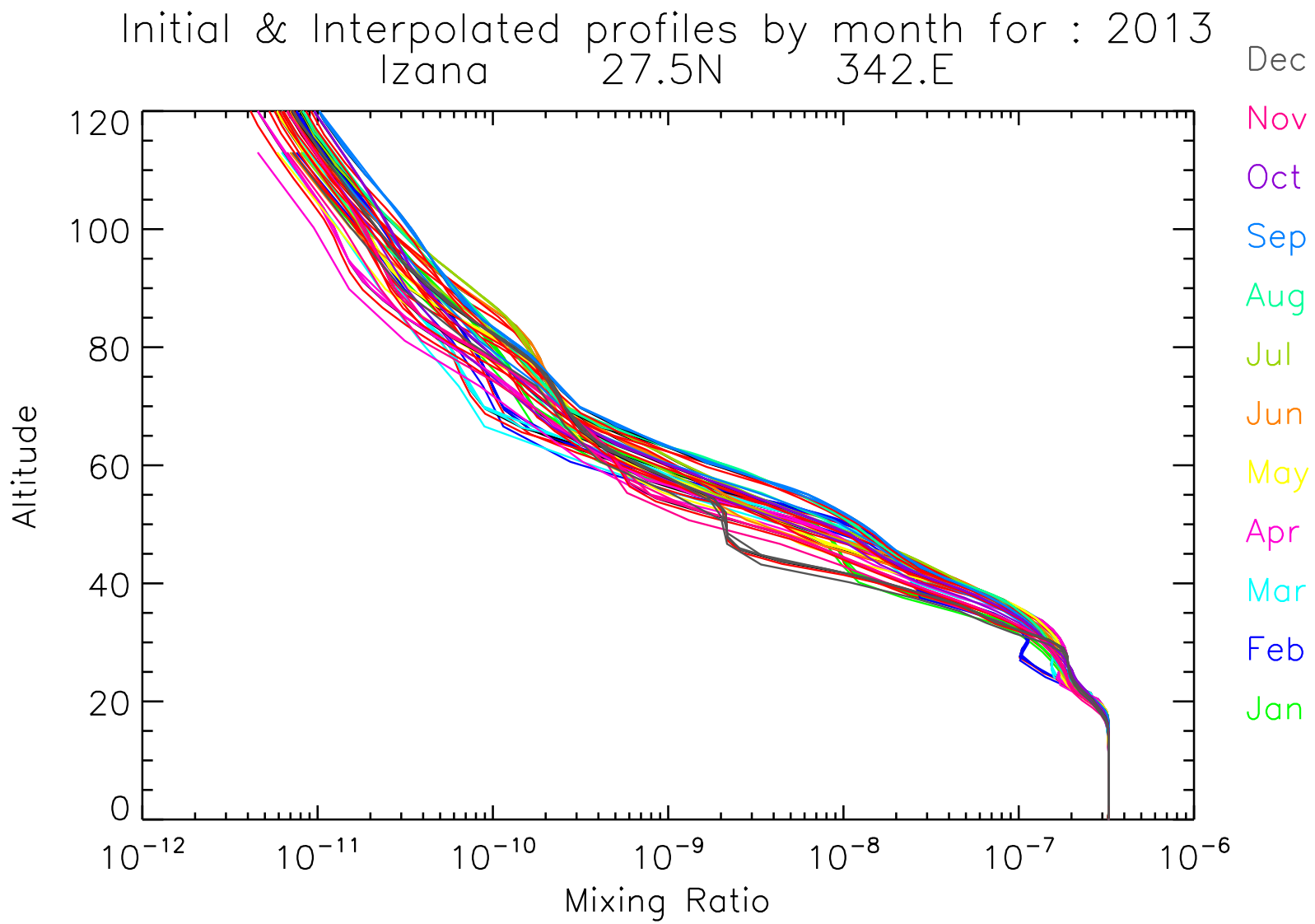
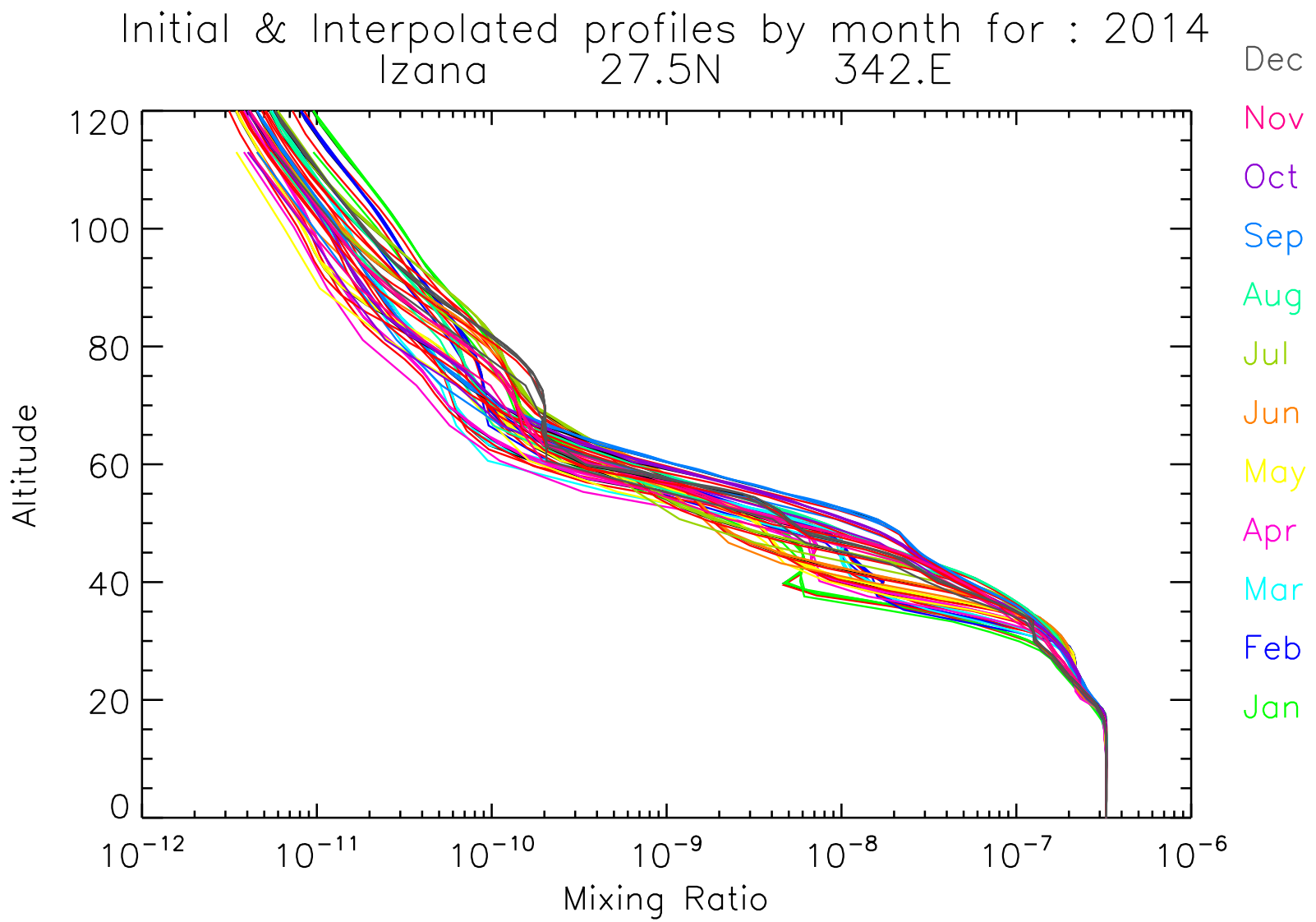
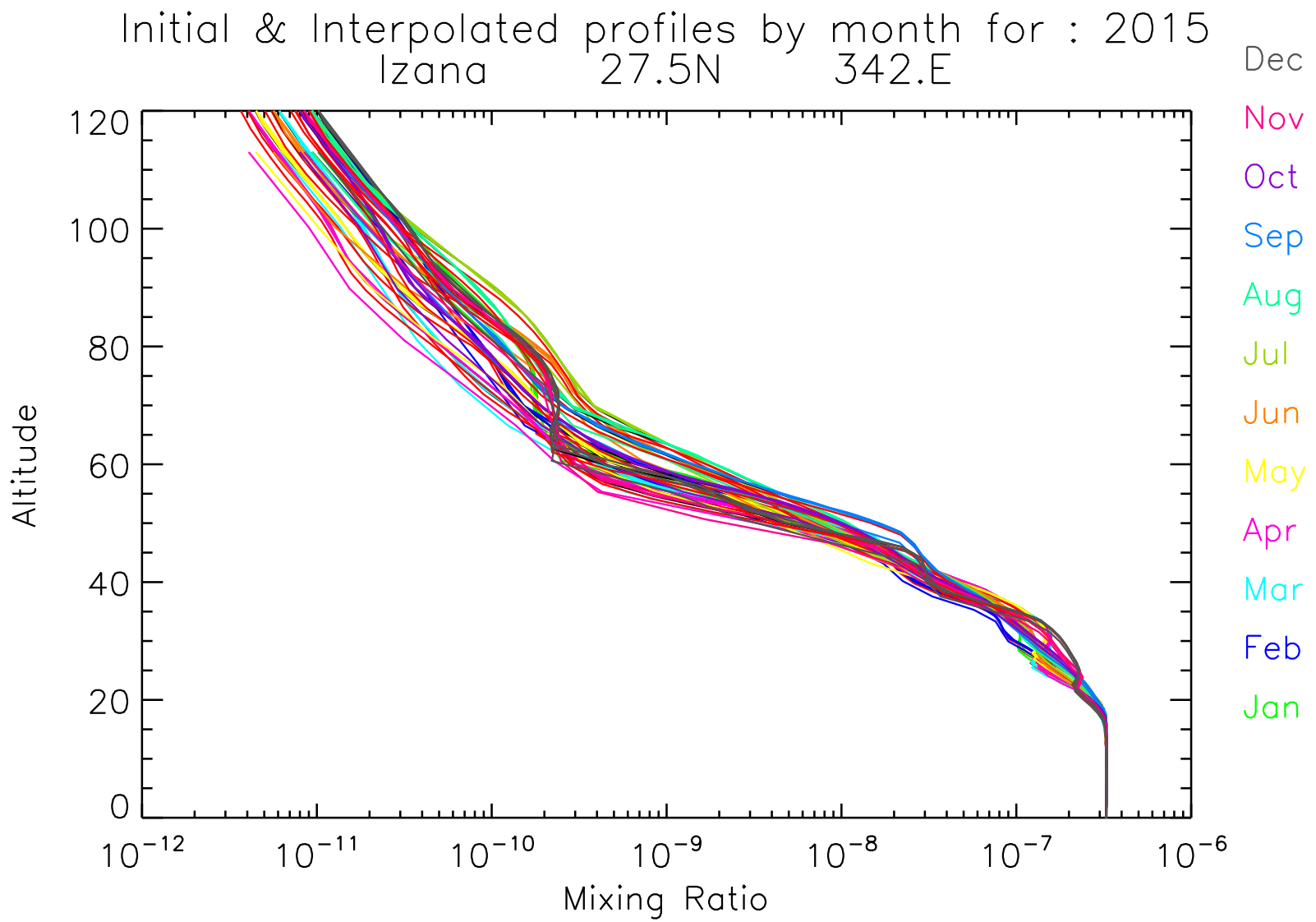
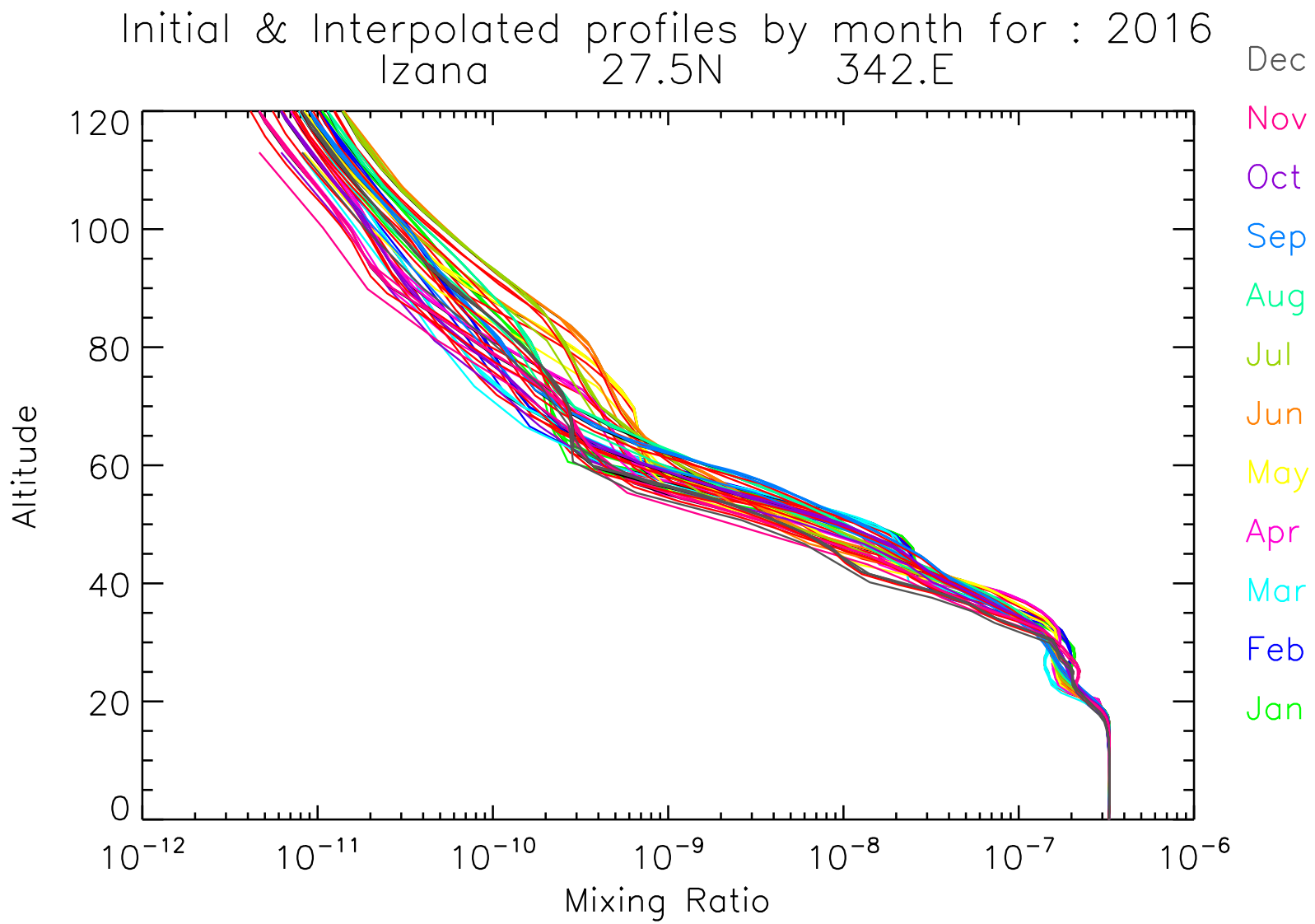
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

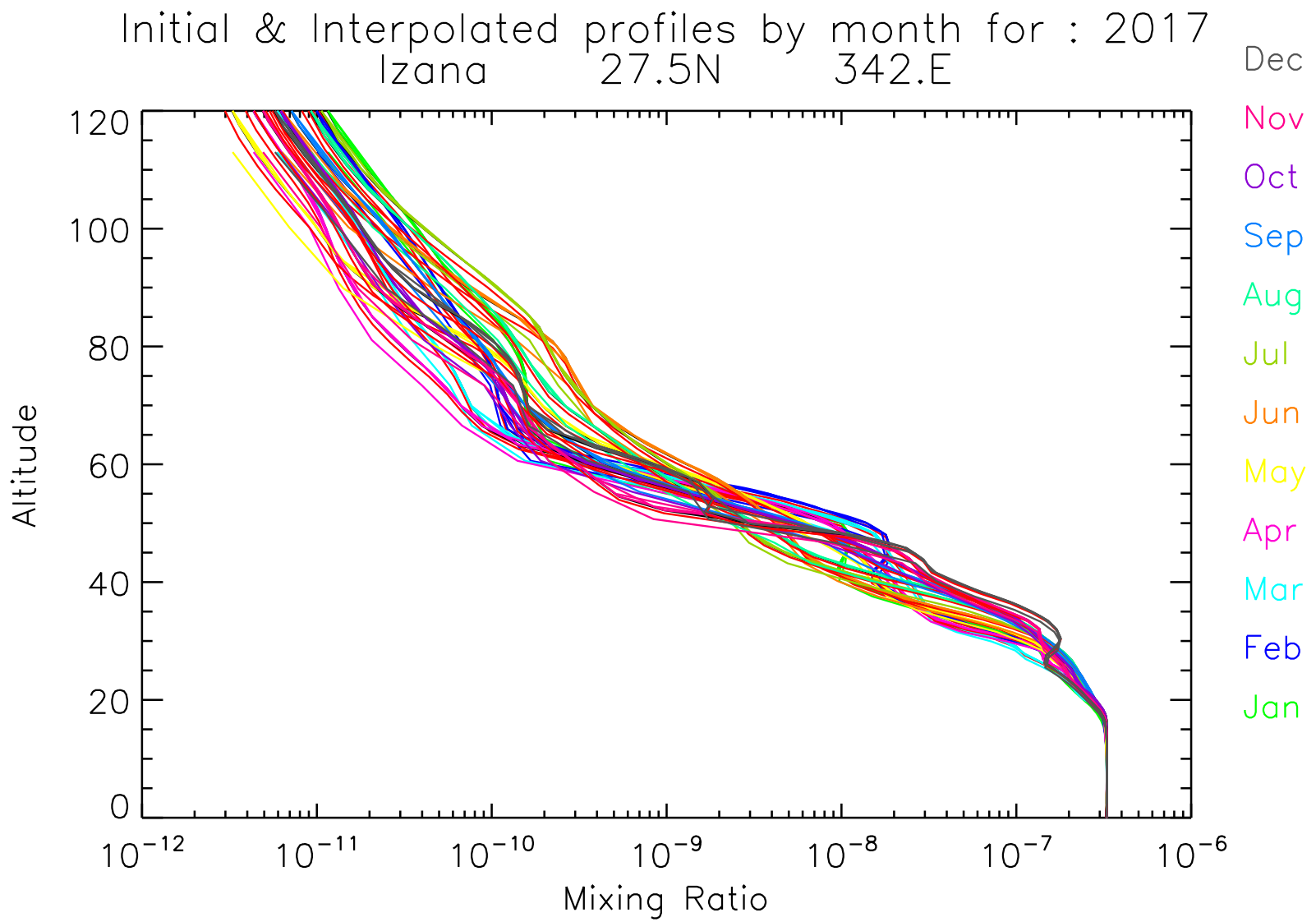

Initial & Interpolated profiles by month for : 2011
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

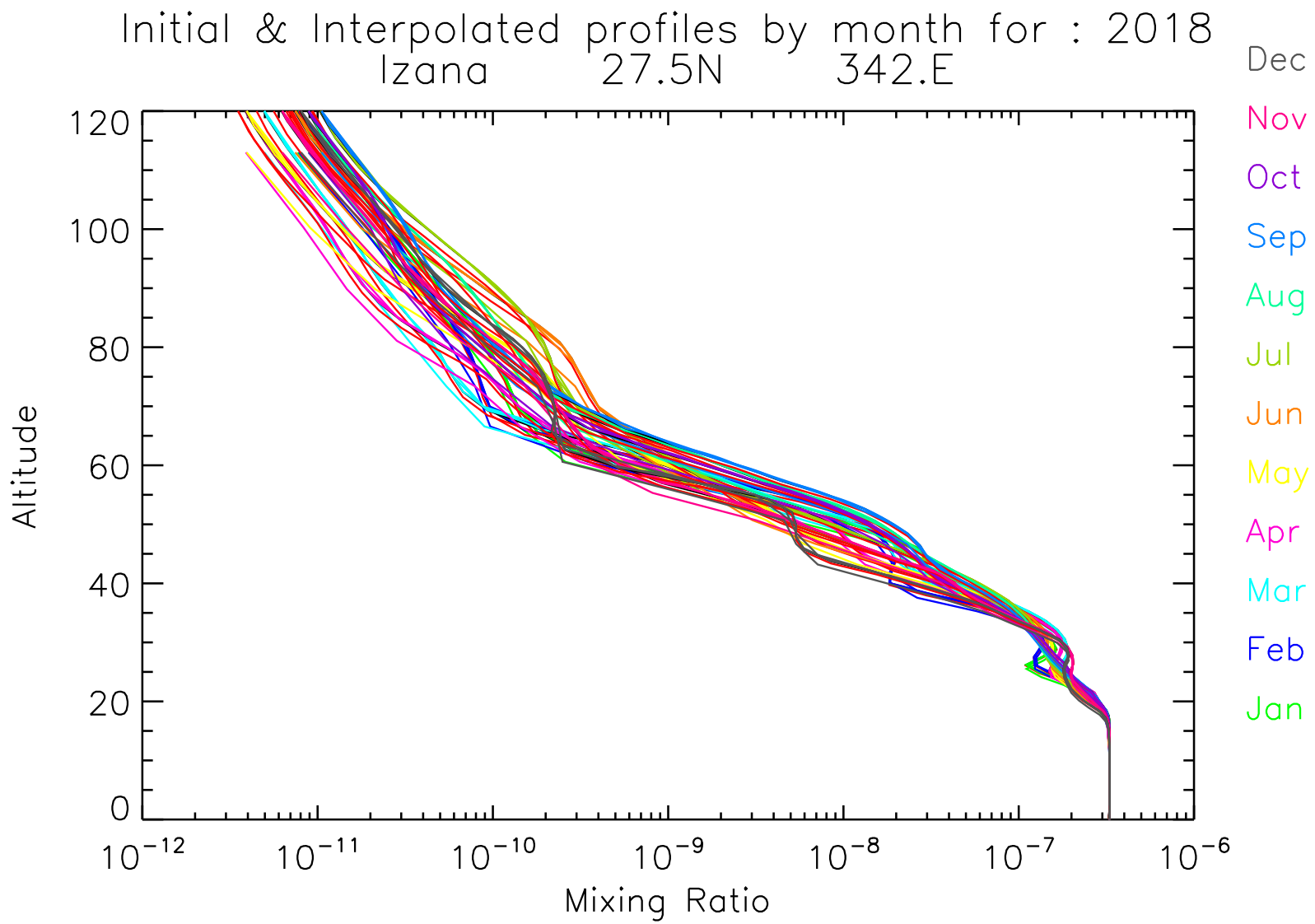

Initial & Interpolated profiles by month for : 2013
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

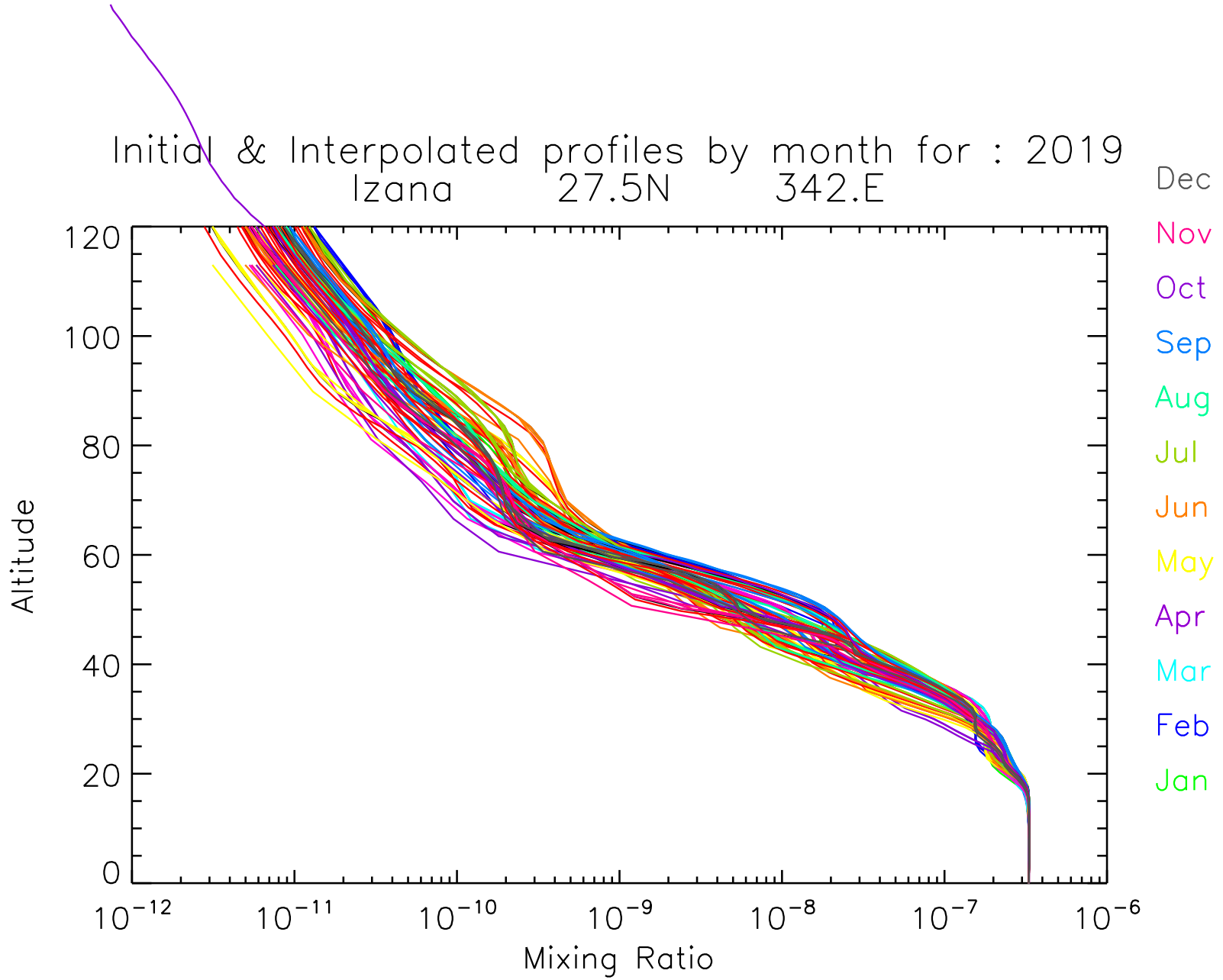

Initial & Interpolated profiles by month for : 2014
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

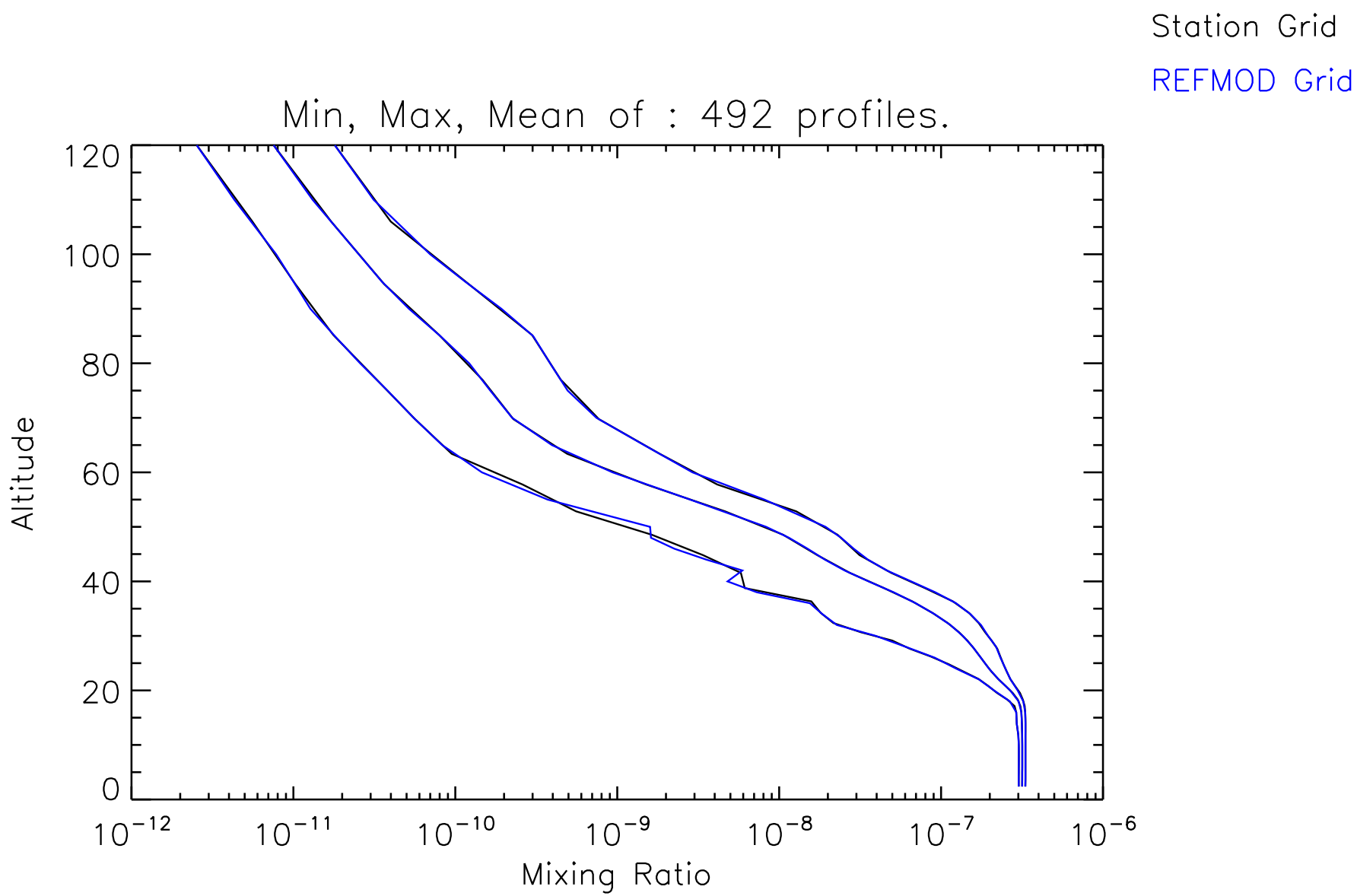

Initial & Interpolated profiles by month for : 2015
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio

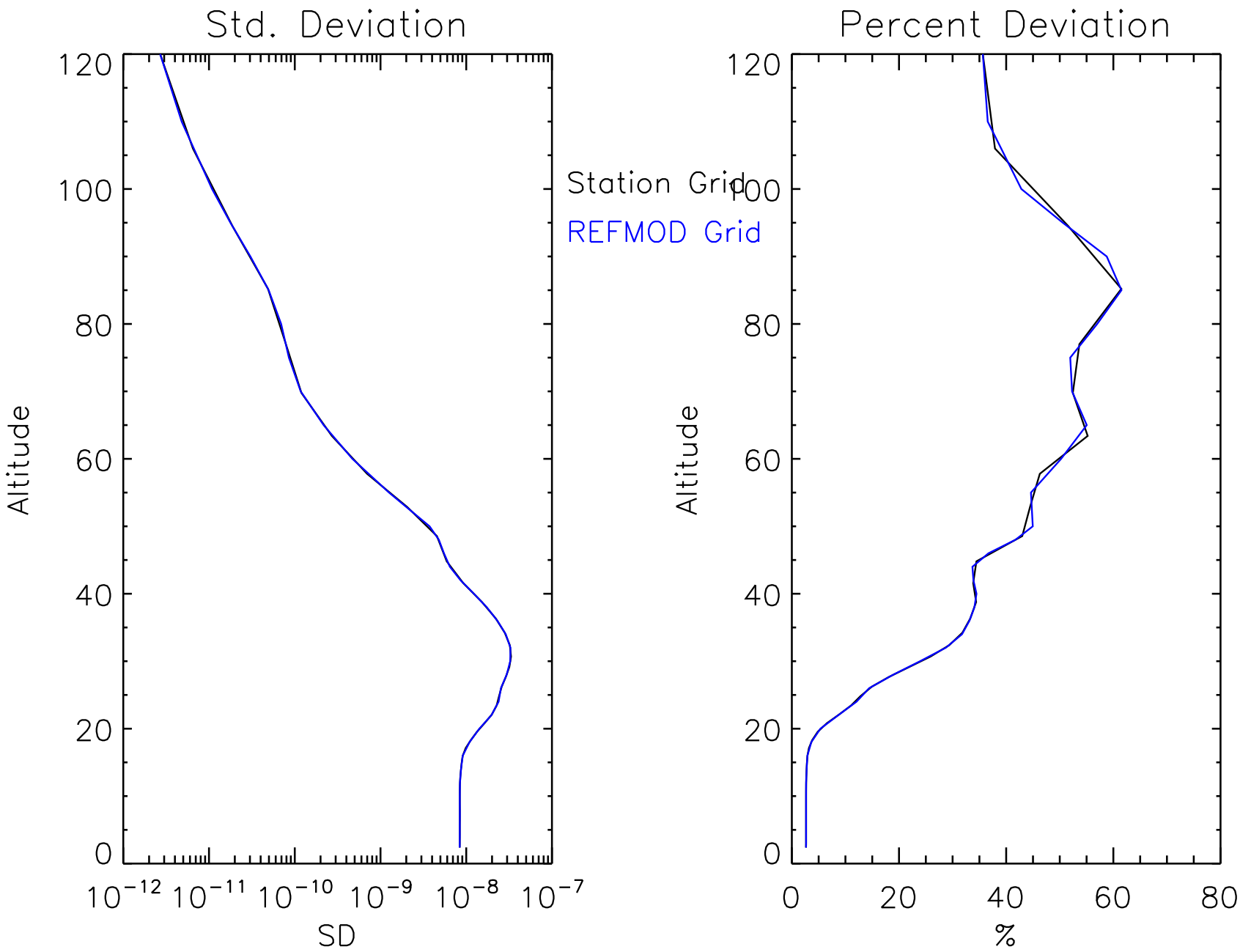

Initial & Interpolated profiles by month for : 2016
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

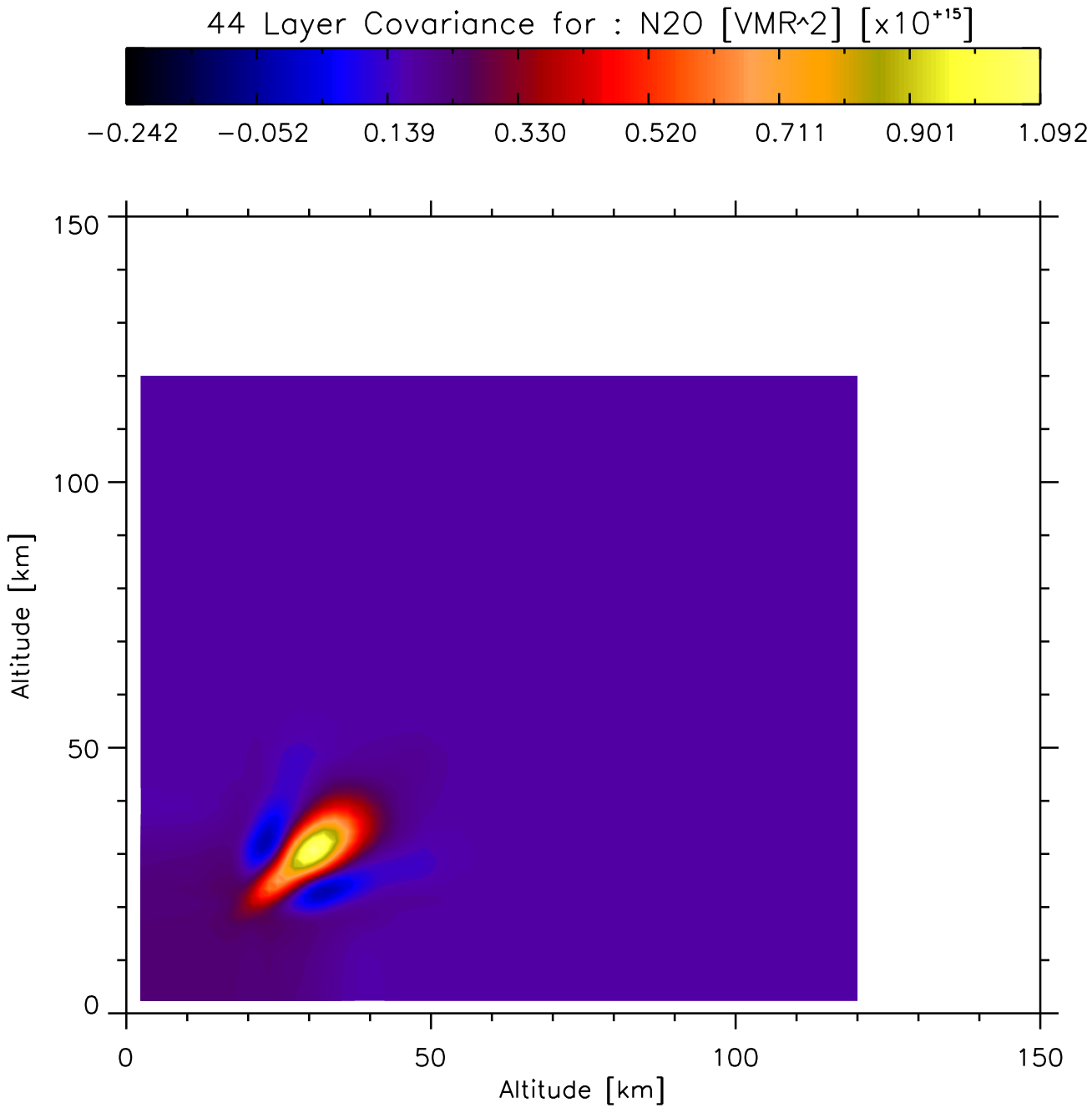

Initial & Interpolated profiles by month for : 2017
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2018
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

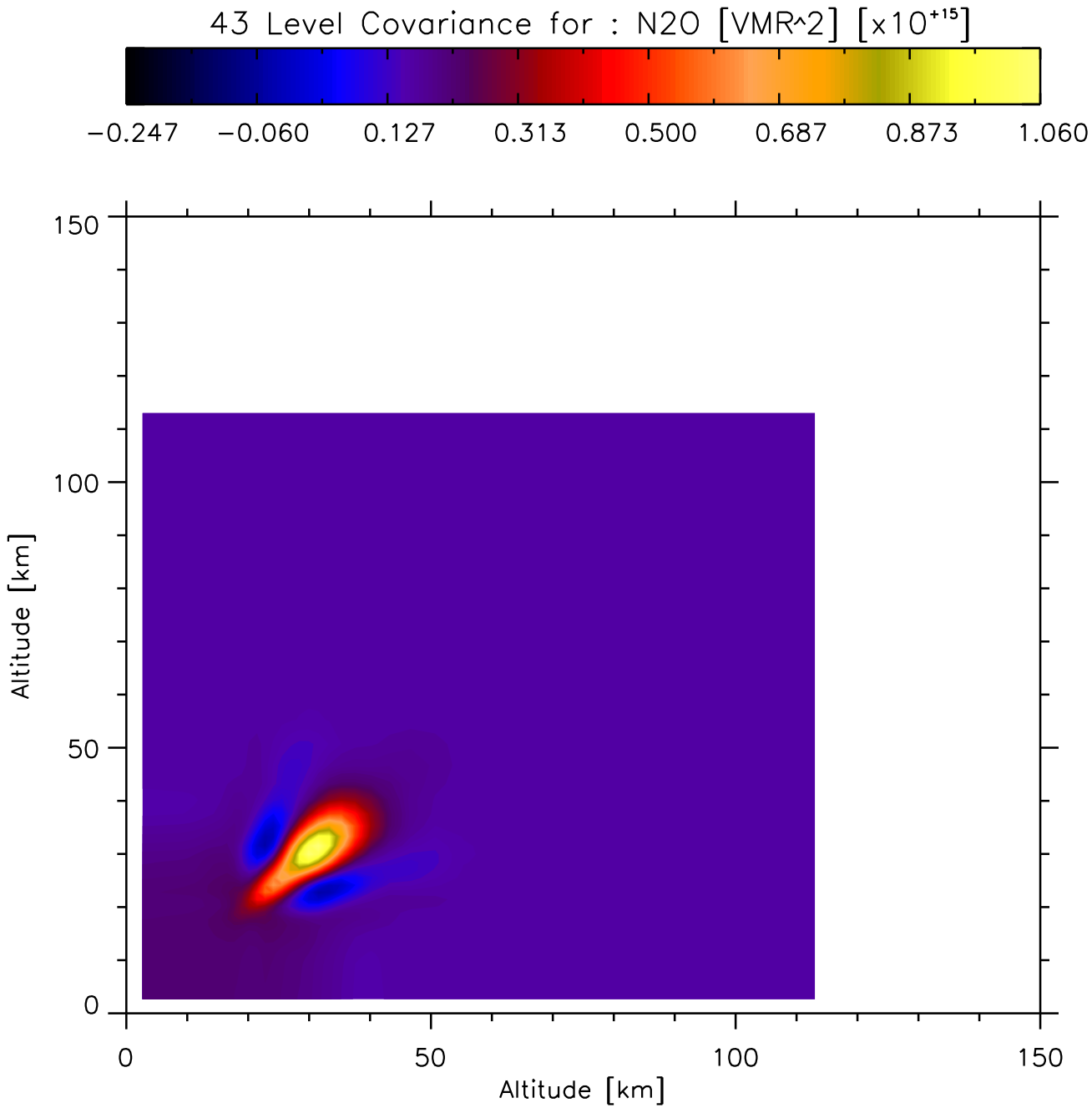

Initial & Interpolated profiles by month for : 2019
Izana 27.5N 342.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7}
SD
0
20
40
60
80
%


44 Layer Covariance for : N2O [VMR^2] [x10^+15]
−0.242
−0.052
0.139
0.330
0.520
0.711
0.901
1.092
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

44 Layer Covariance for : N2O [VMR^2] [x10^+15]
−0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude


43 Level Covariance for : N2O [VMR^2] [x10^+15]
−0.247
−0.060
0.127
0.313
0.500
0.687
0.873
1.060
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

43 Level Covariance for : N2O [VMR^2] [x10^+15]
-0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude