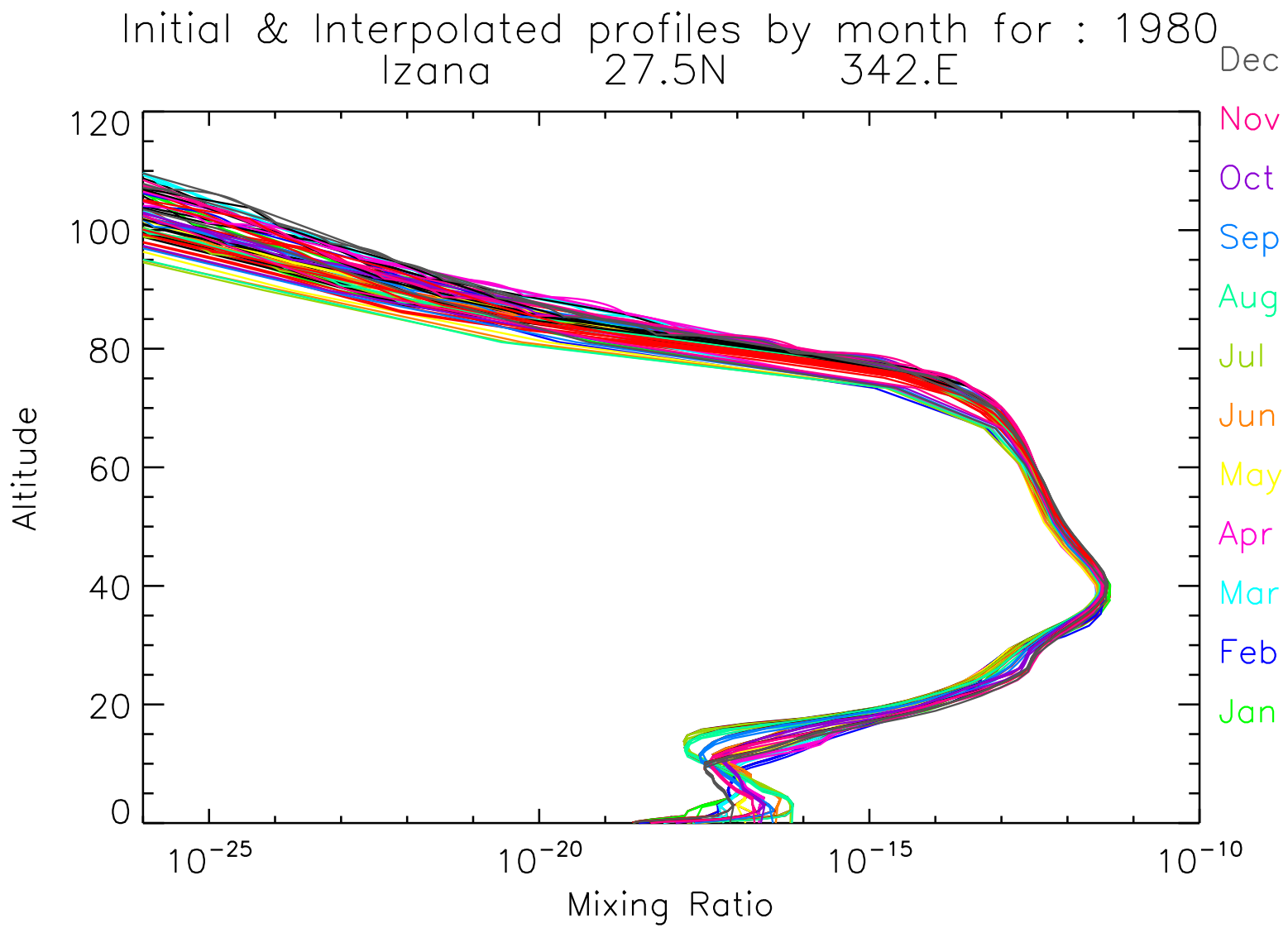
Initial & Interpolated profiles by month for : 1980
Izana 27.5N 342.E
Dec
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Altitude
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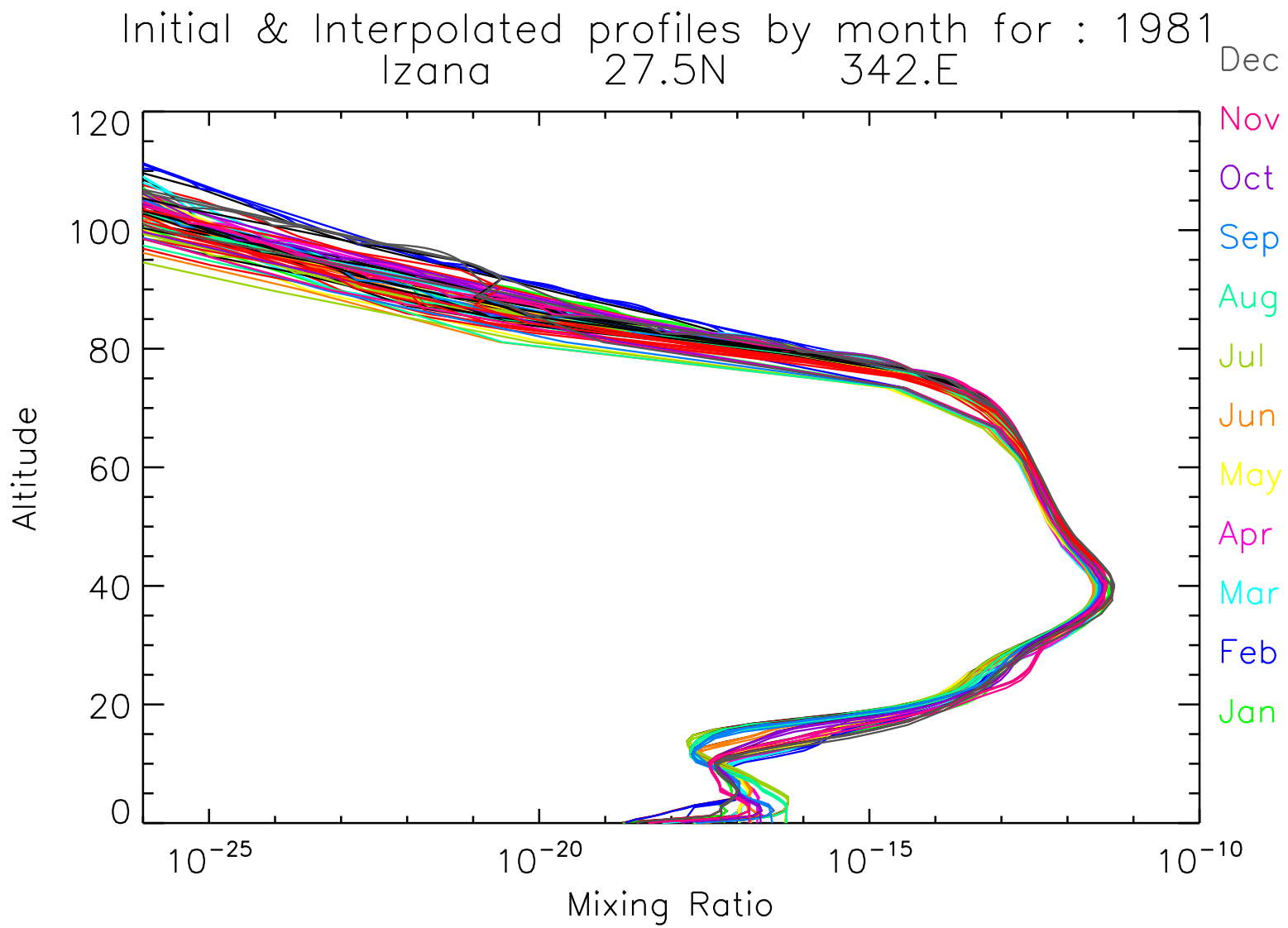
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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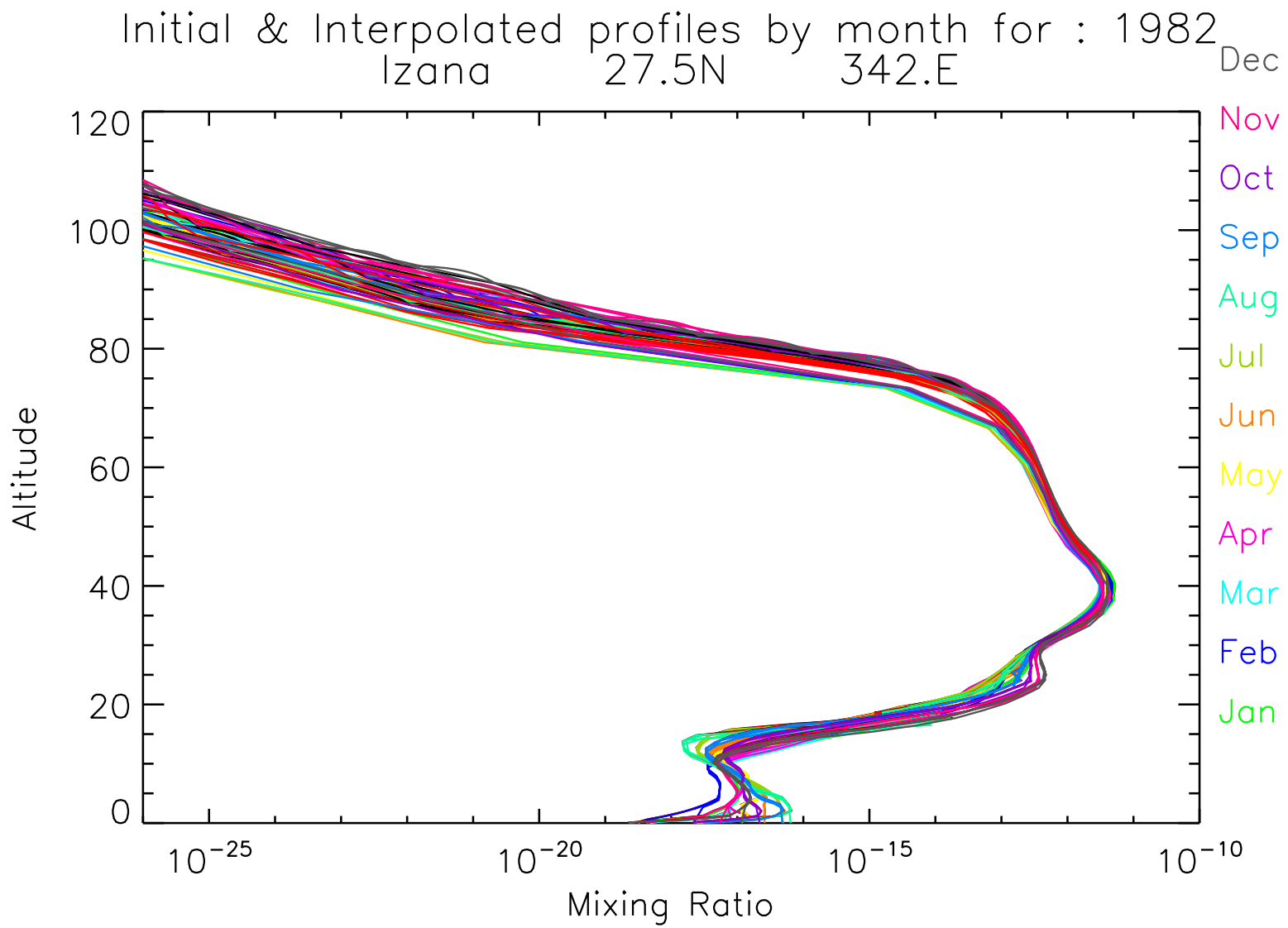
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Izana 27.5N 342.E
Dec
Nov
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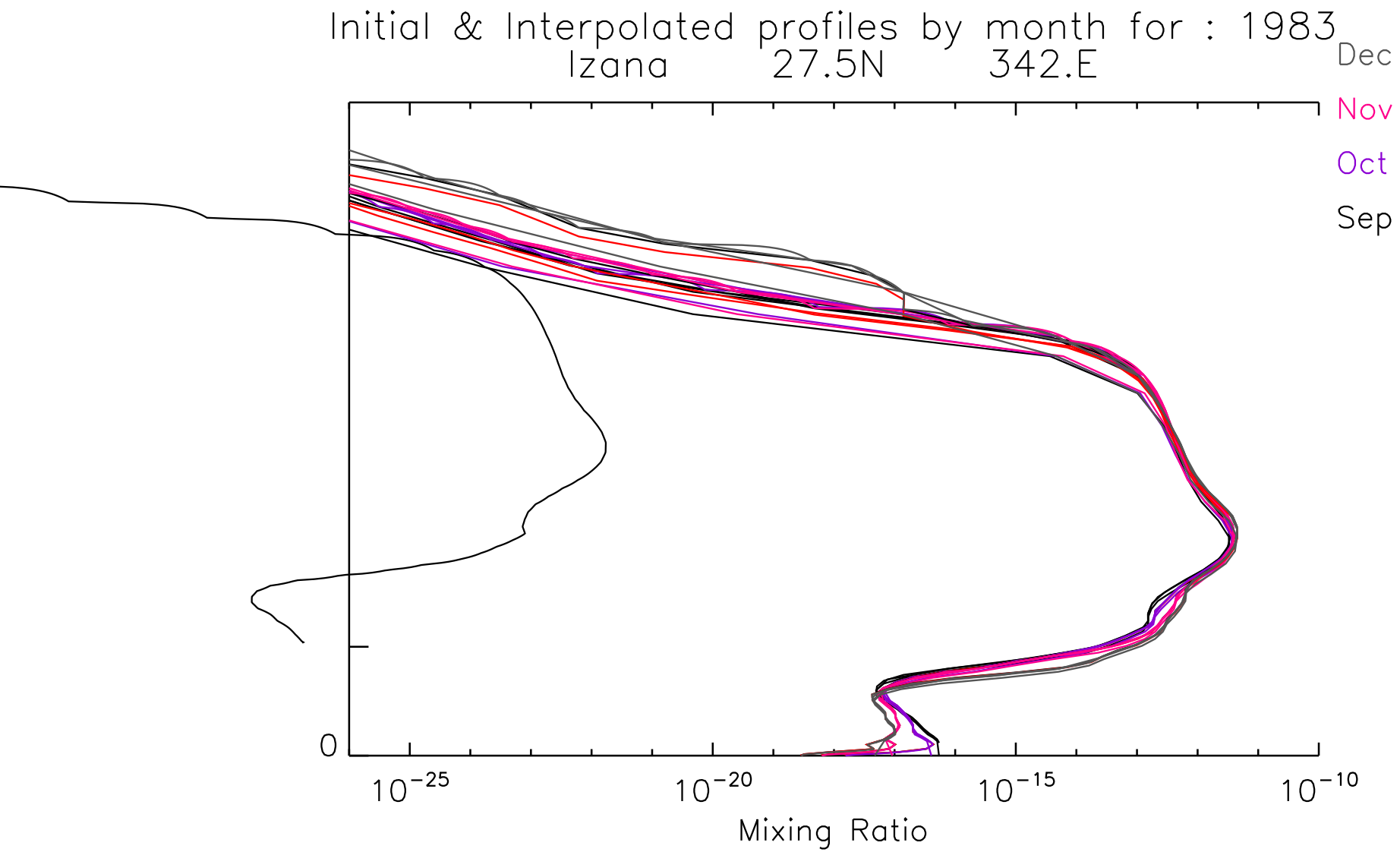
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Izana 27.5N 342.E
Dec
Nov
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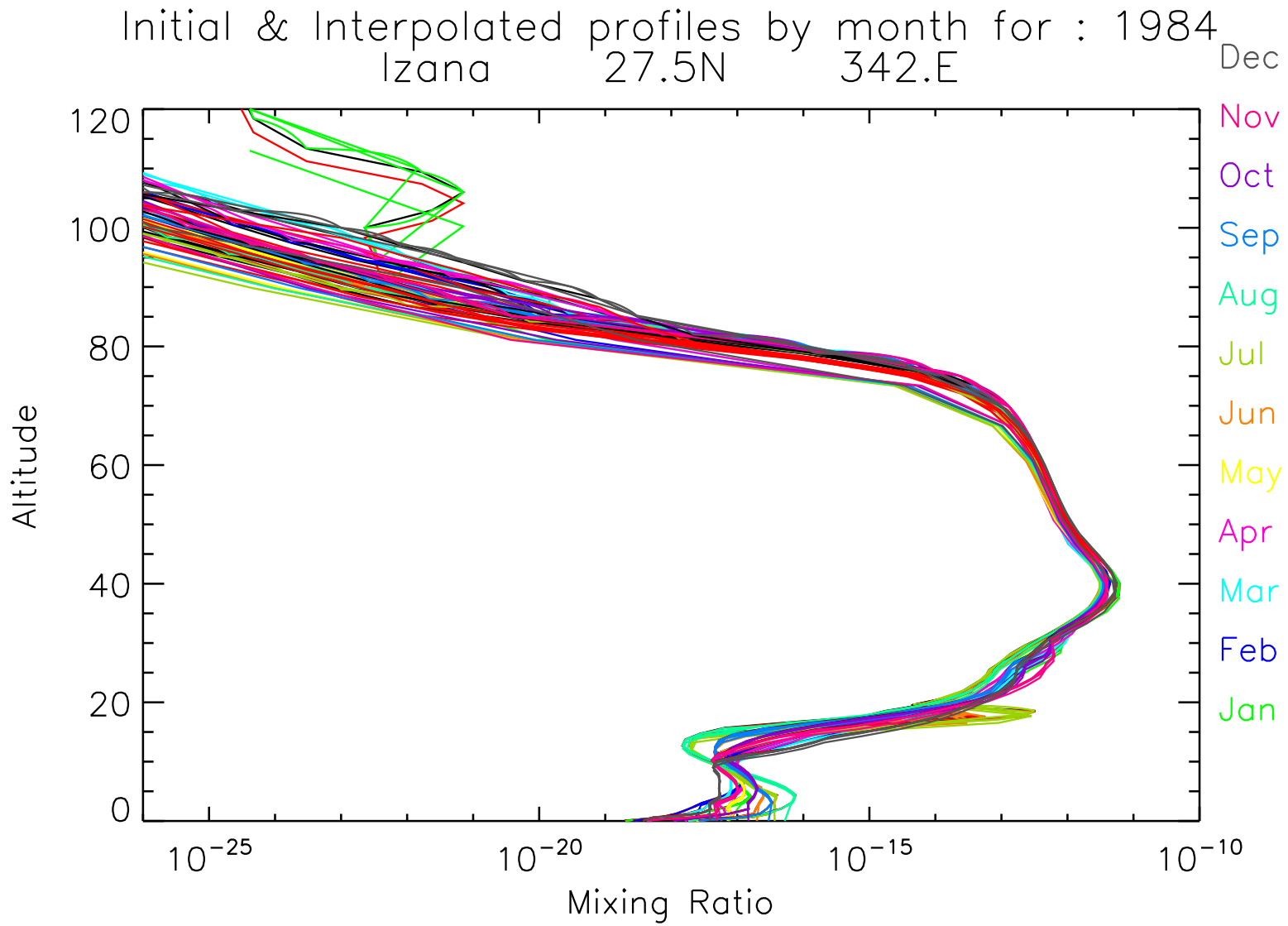
0
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Izana 27.5N 342.E
Dec
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Altitude
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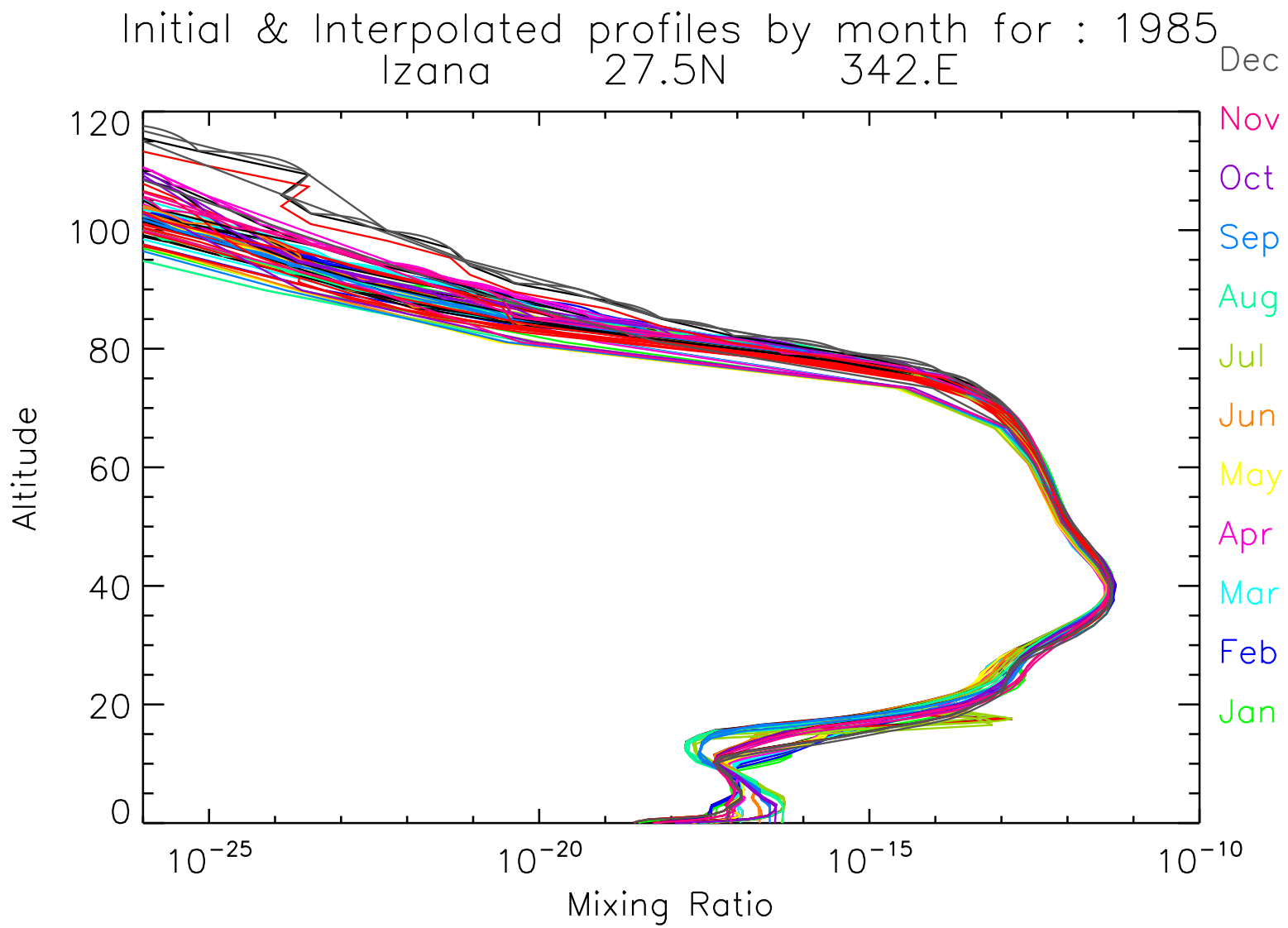
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Izana 27.5N 342.E
Dec
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Altitude
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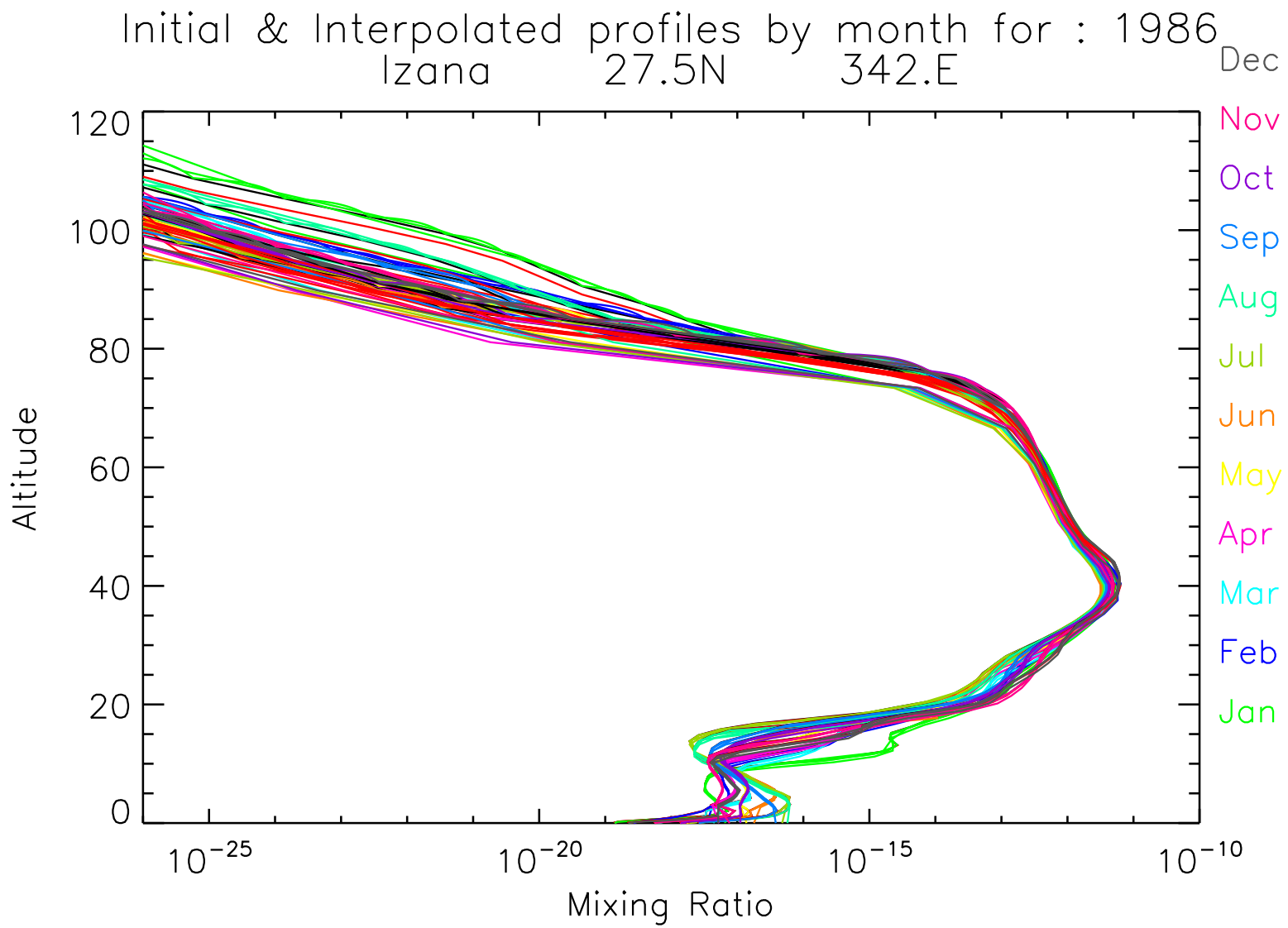
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Izana 27.5N 342.E
Dec
Nov
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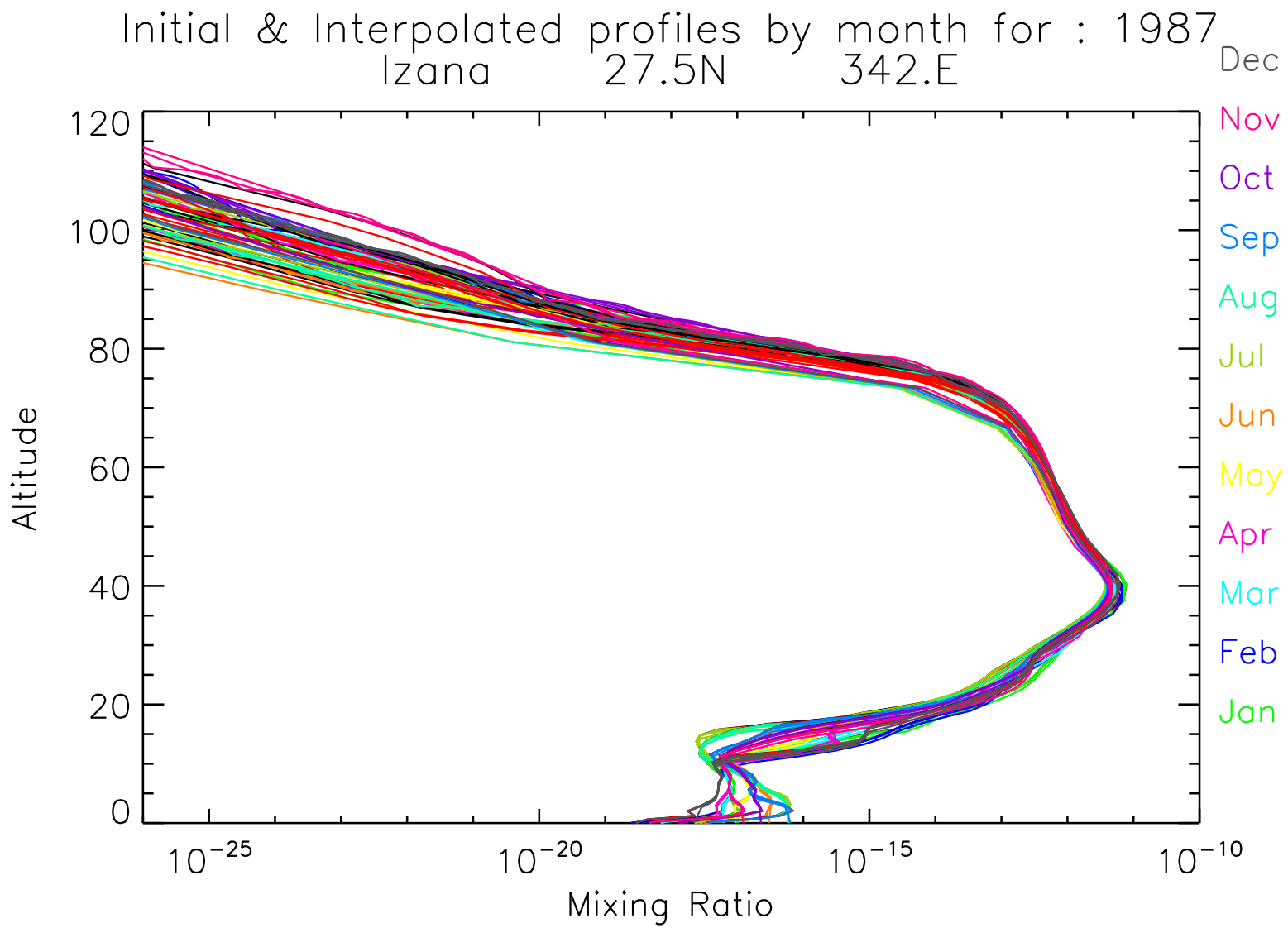
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Izana 27.5N 342.E
Dec
Nov
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Altitude
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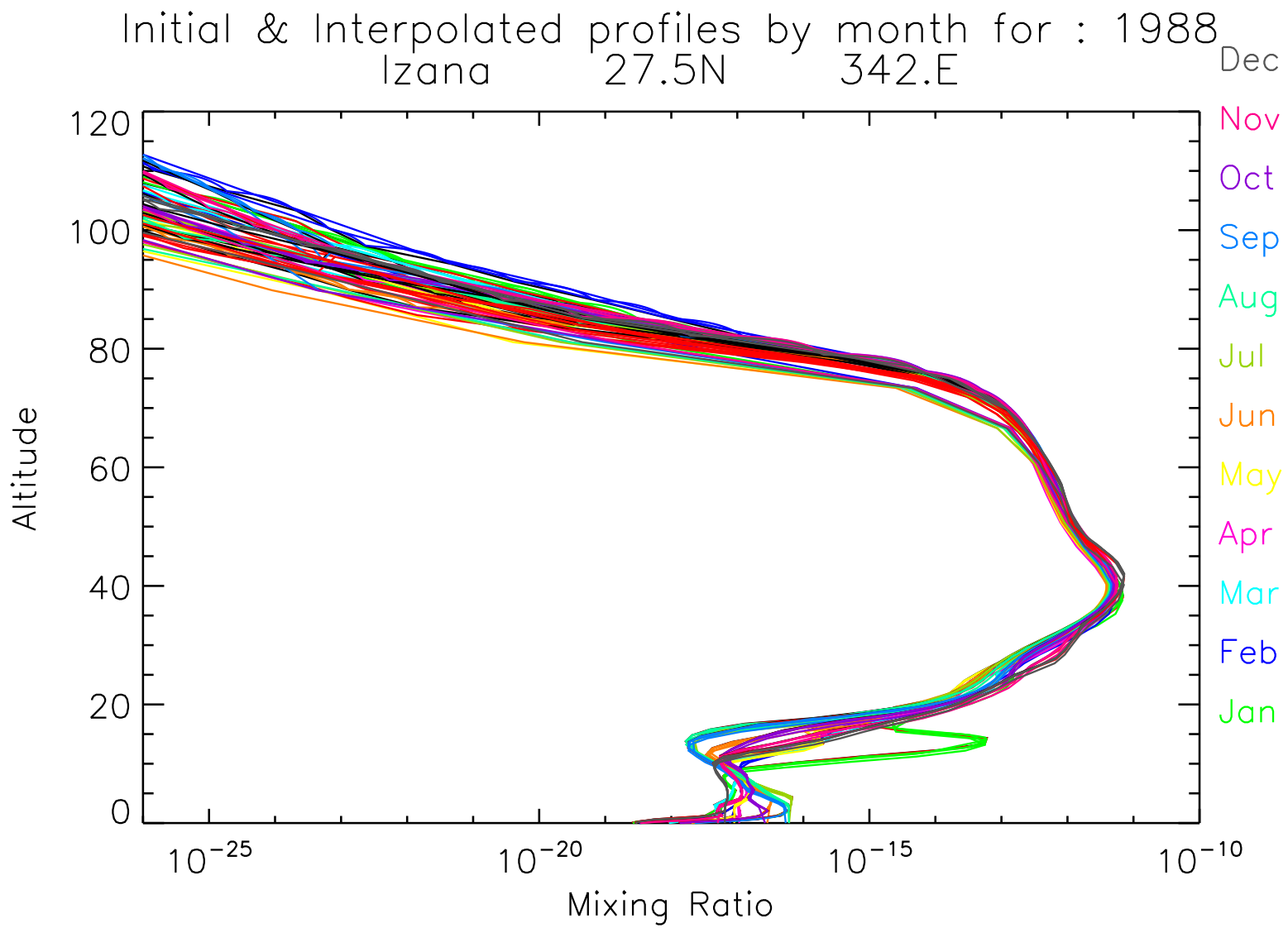
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Izana 27.5N 342.E
Dec
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Altitude
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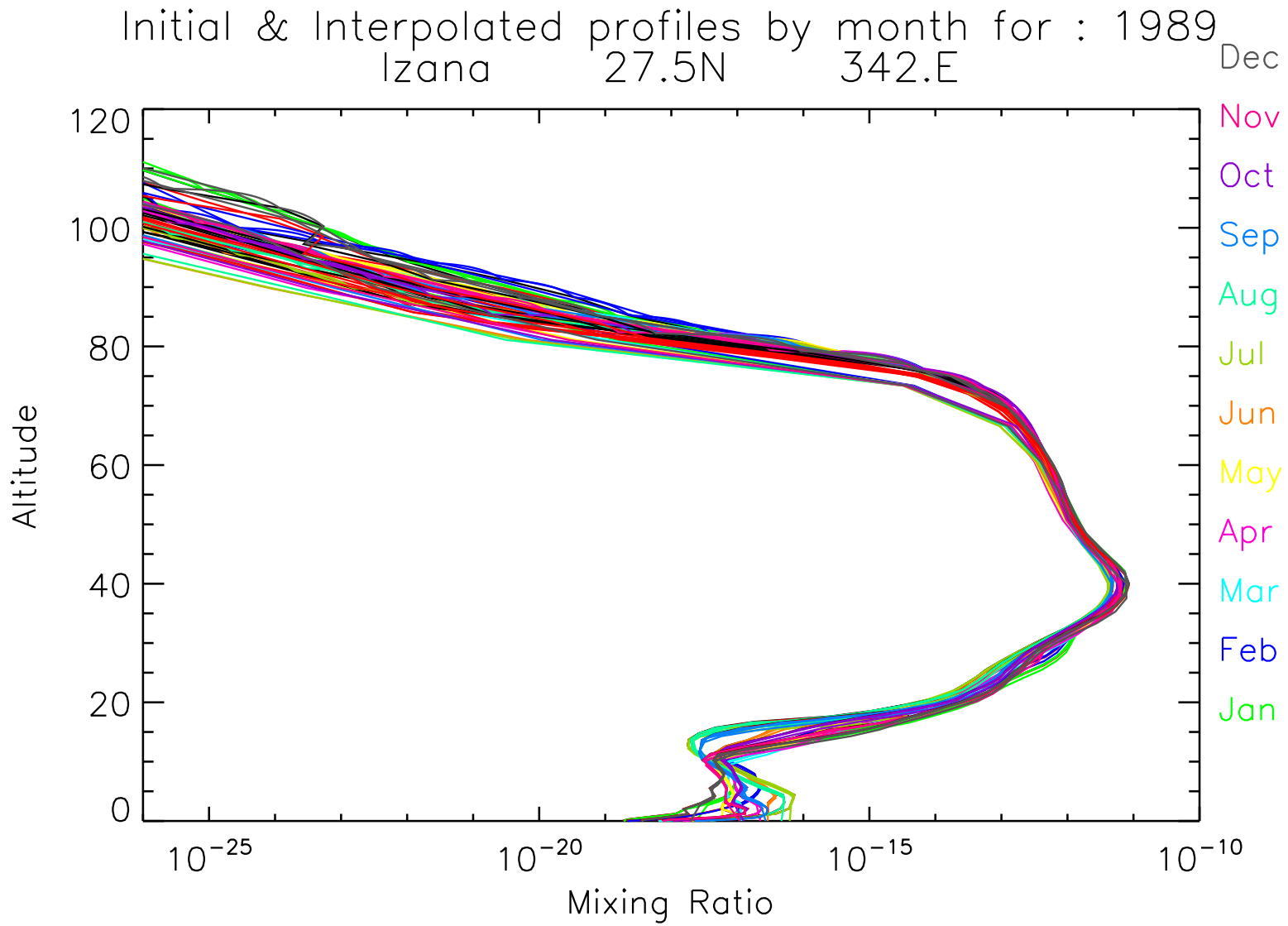
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Izana 27.5N 342.E
Dec
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120
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Altitude
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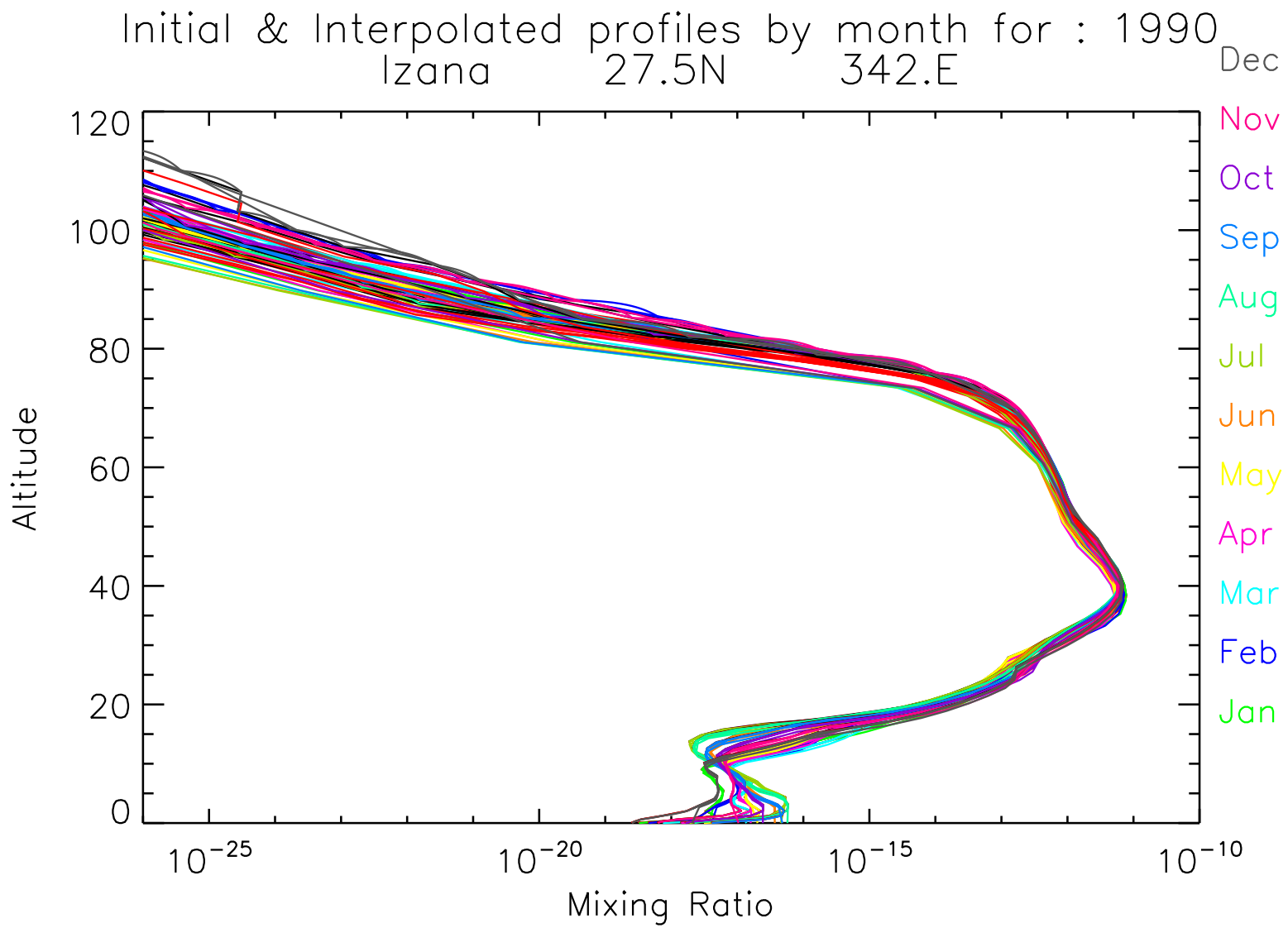
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Izana 27.5N 342.E
Dec
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120
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Altitude
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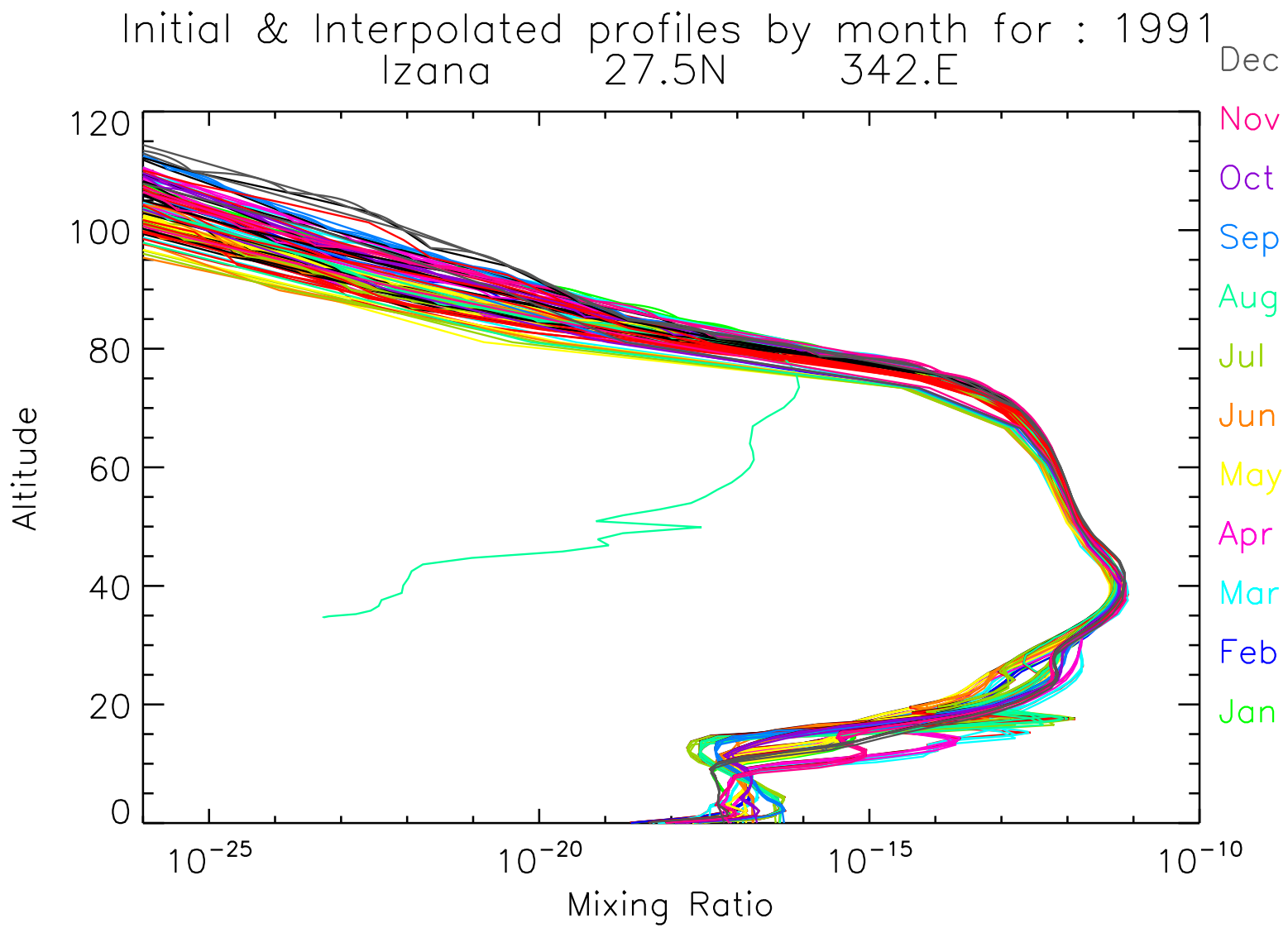
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Izana 27.5N 342.E
Altitude
120
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Mixing Ratio
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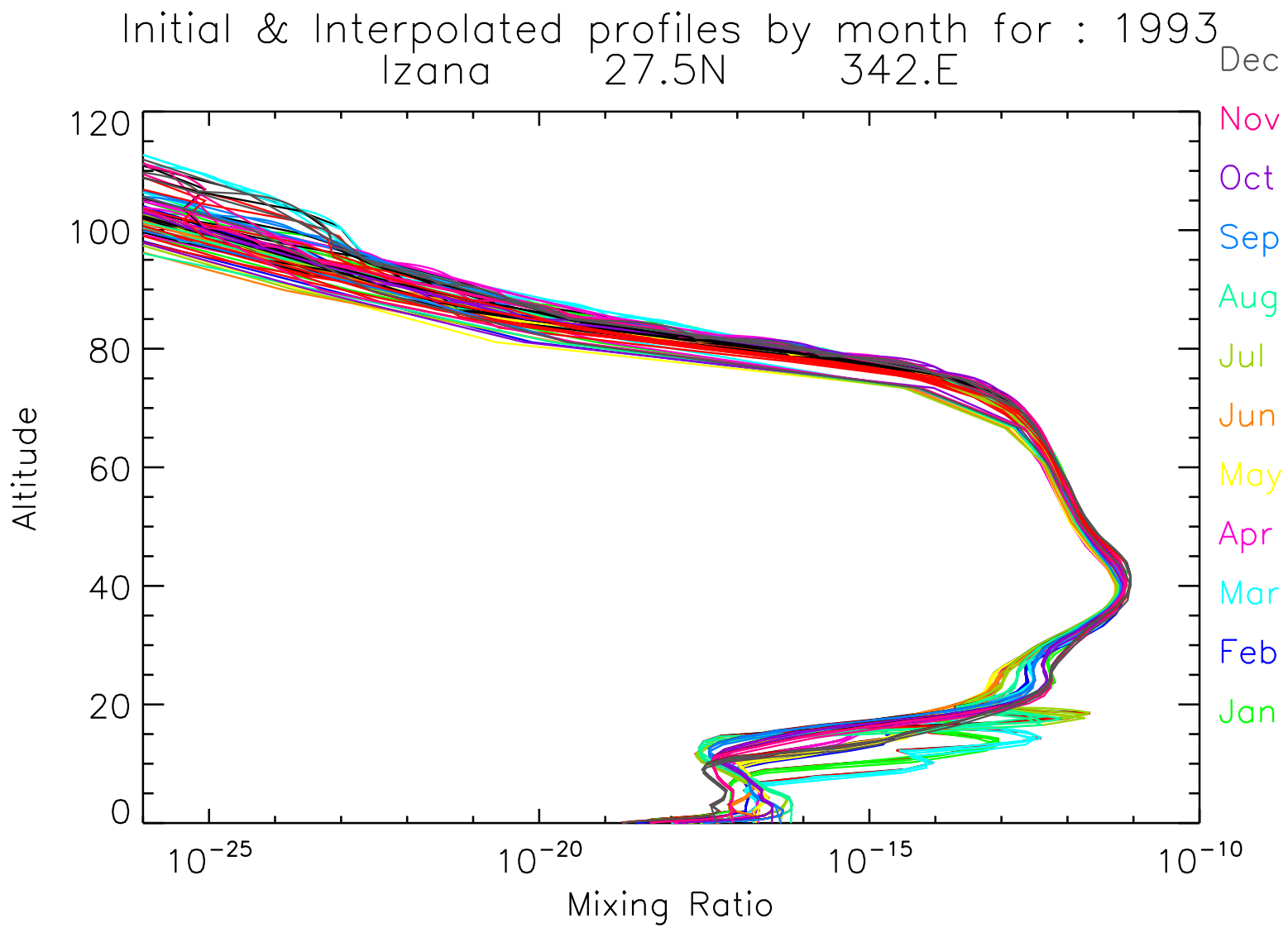
Initial & Interpolated profiles by month for : 1993
Izana 27.5N 342.E
Dec
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Altitude
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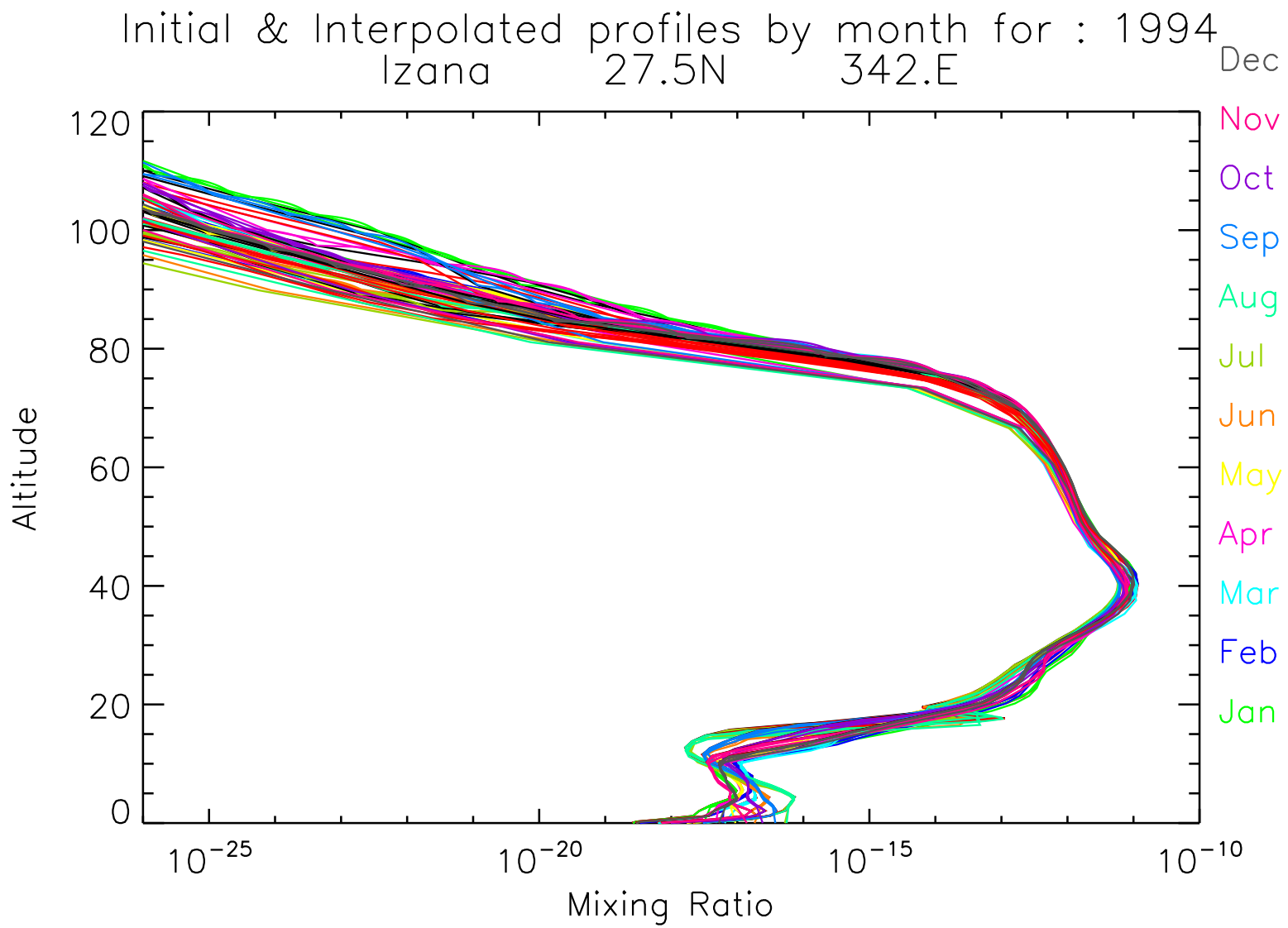
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Izana 27.5N 342.E
Dec
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Altitude
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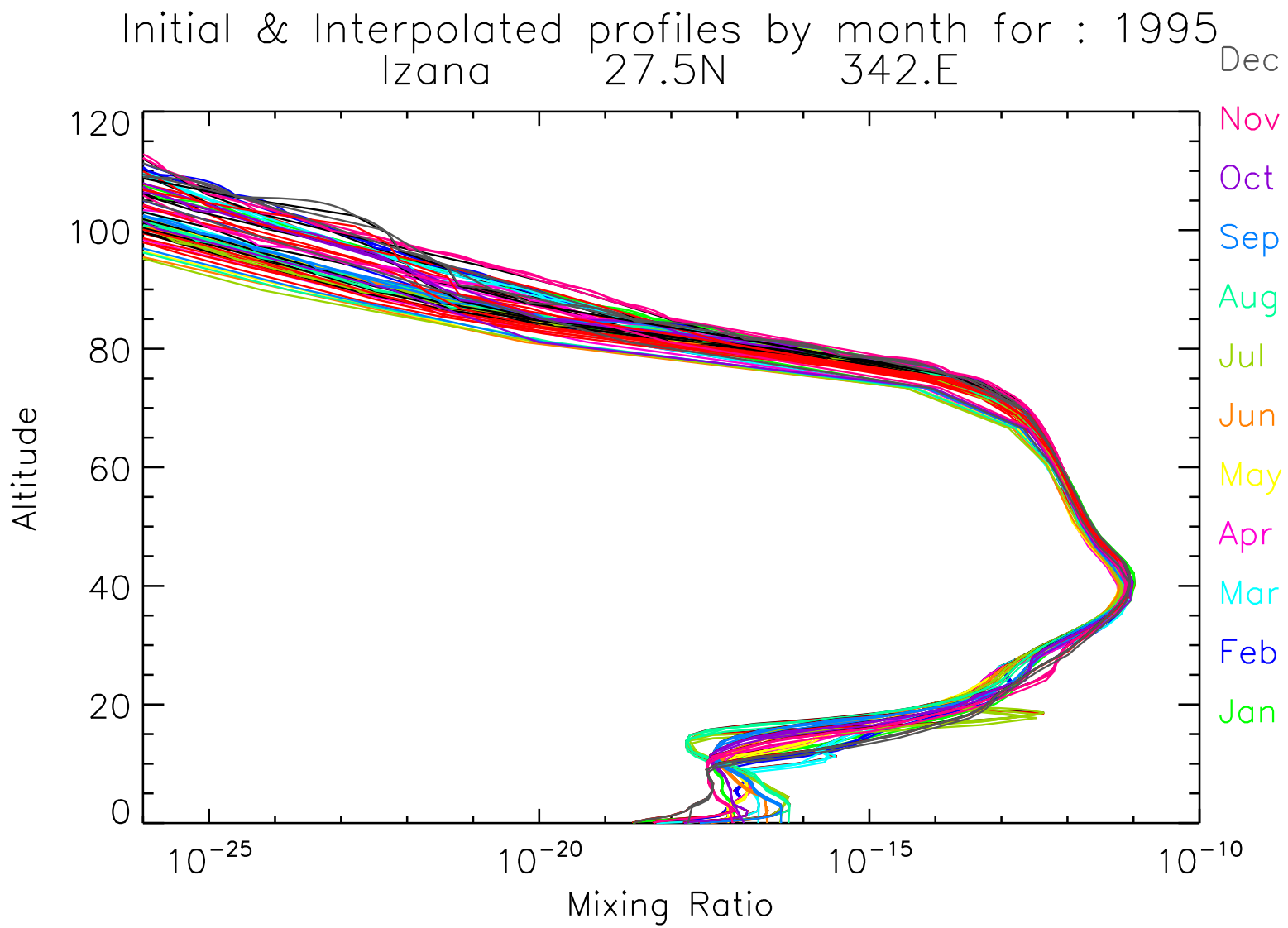
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Izana 27.5N 342.E
Dec
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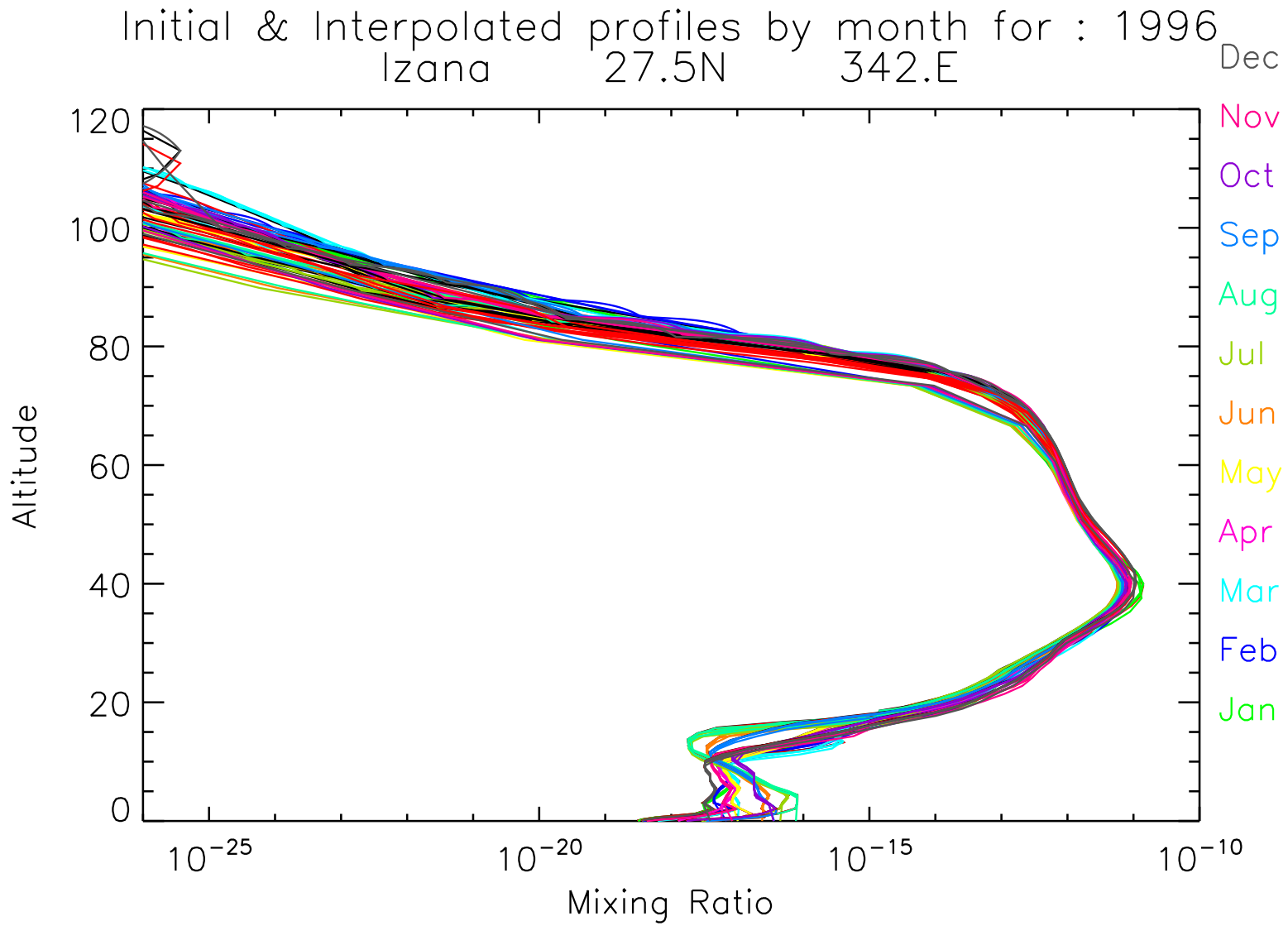
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Izana 27.5N 342.E
Dec
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Altitude
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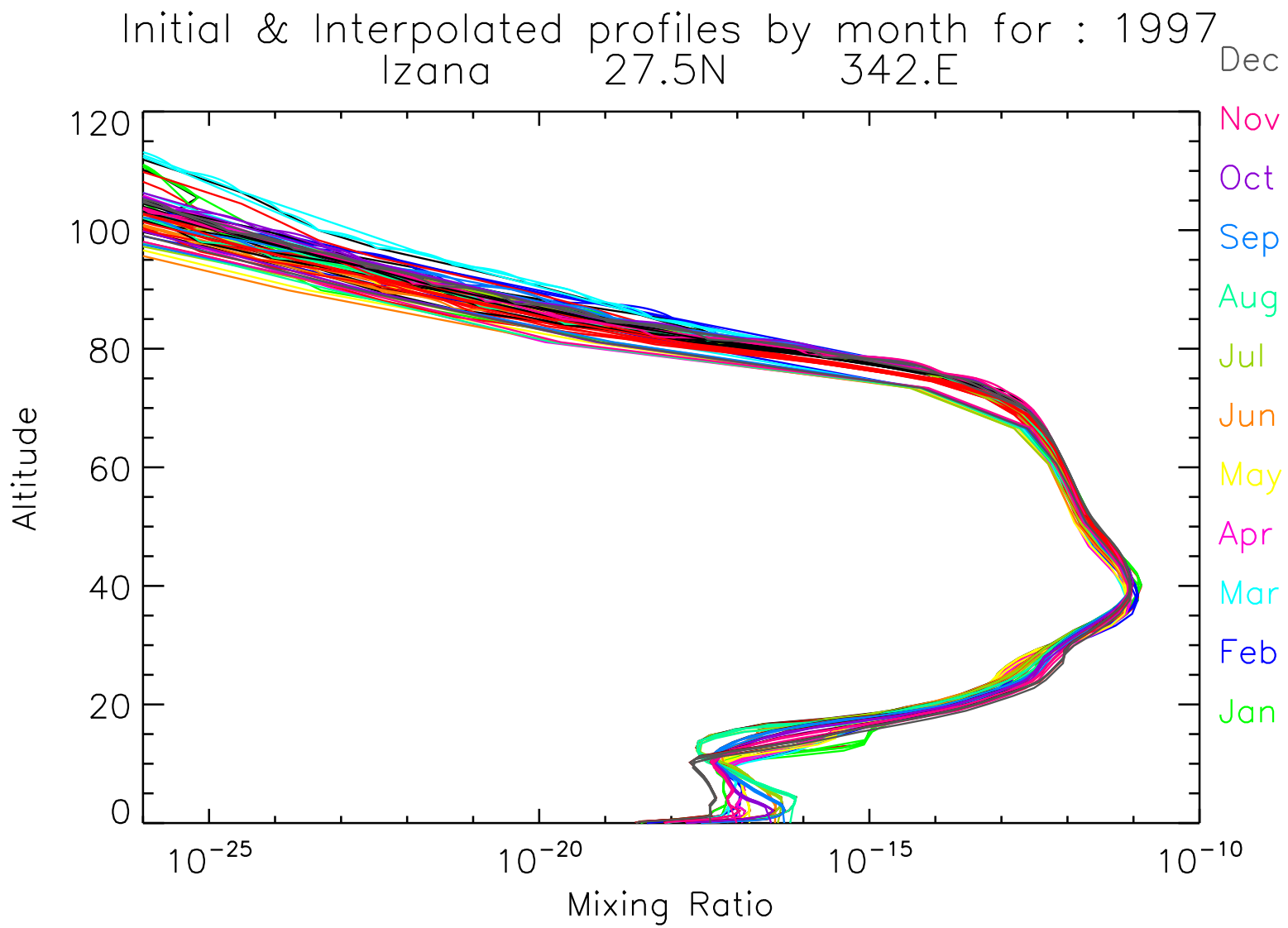
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Izana 27.5N 342.E
Dec
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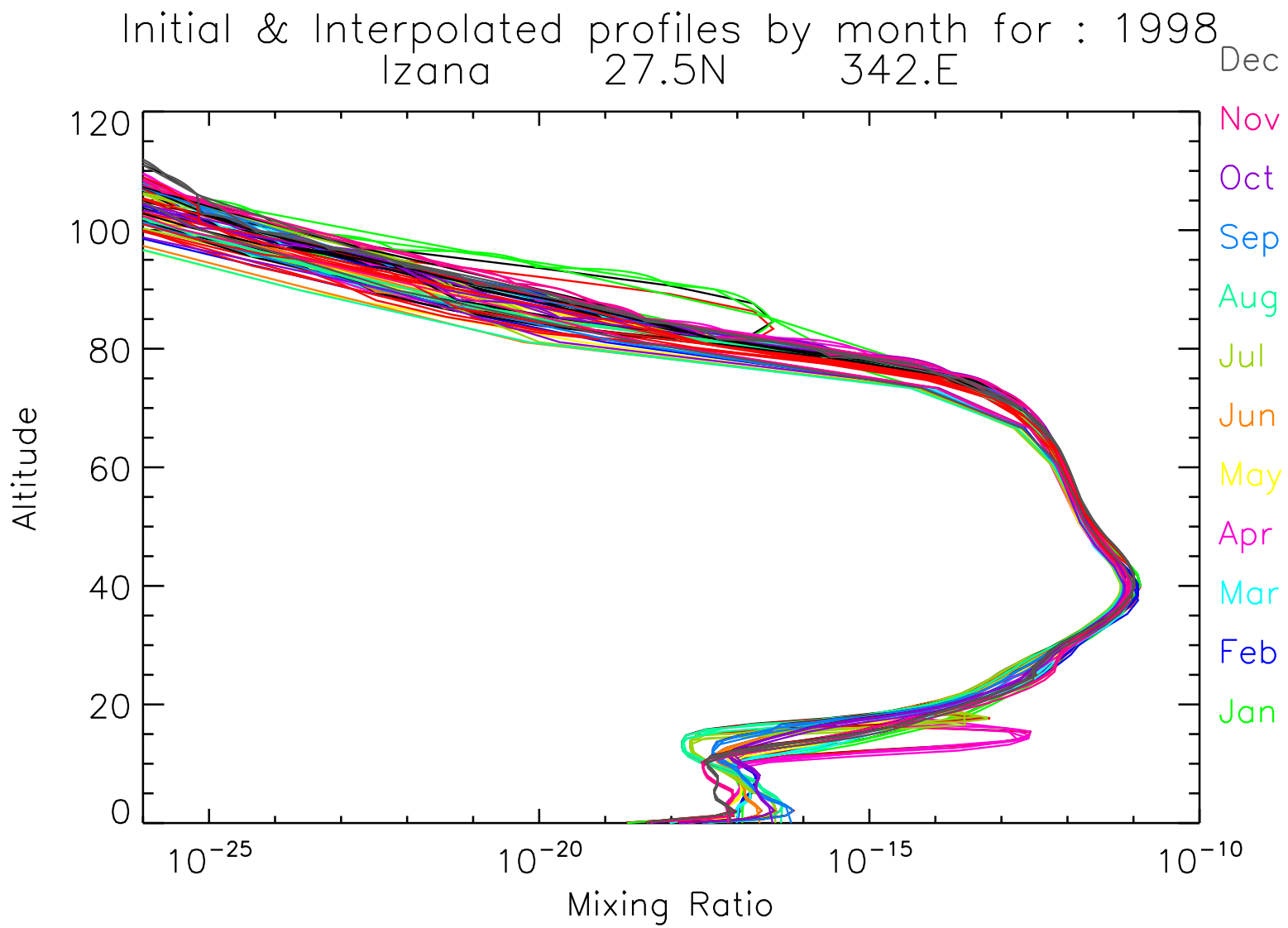
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Izana 27.5N 342.E
Dec
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Altitude
$10^{-25}$
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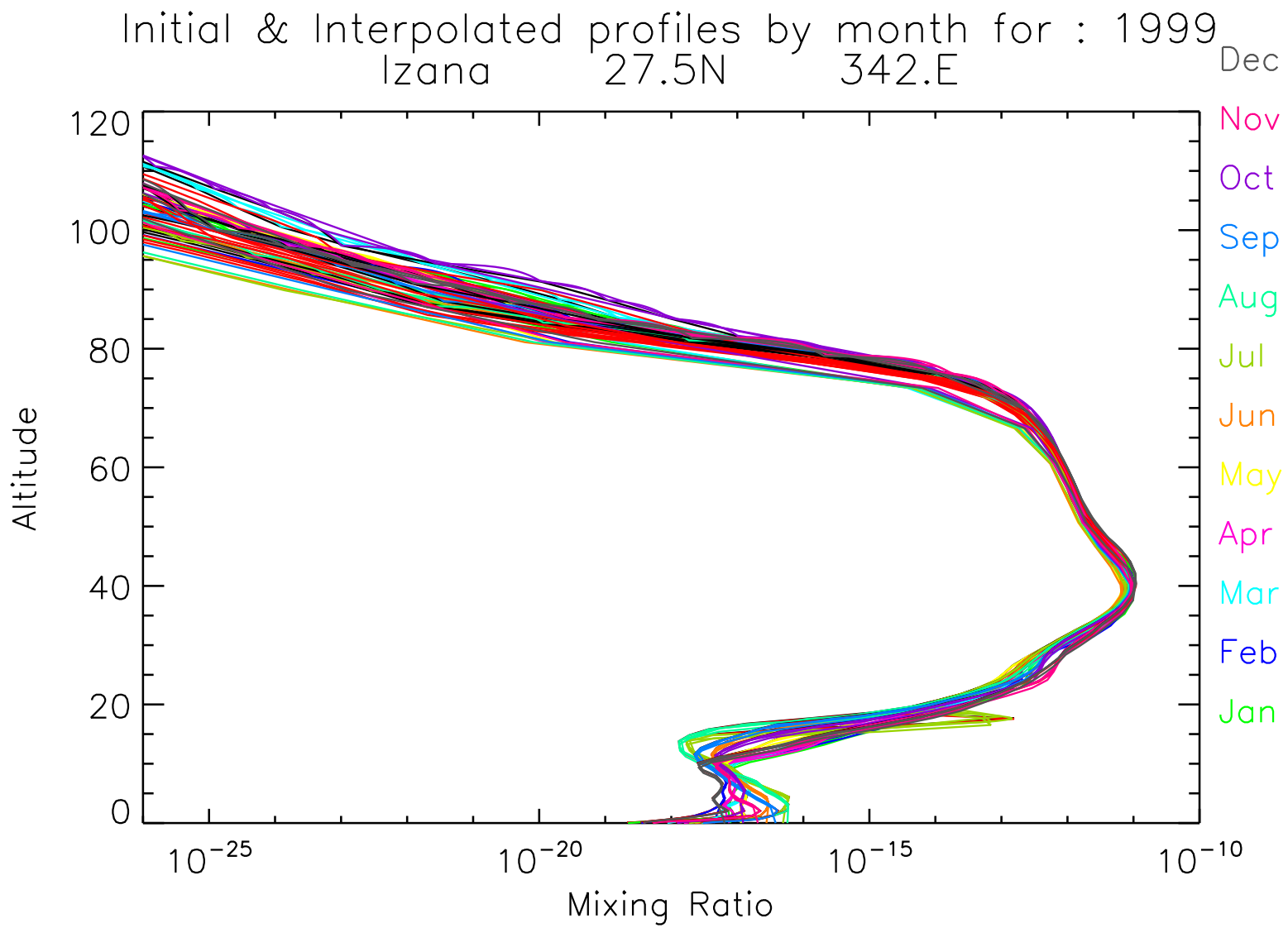
$10^{-15}$
$10^{-10}$
Mixing Ratio


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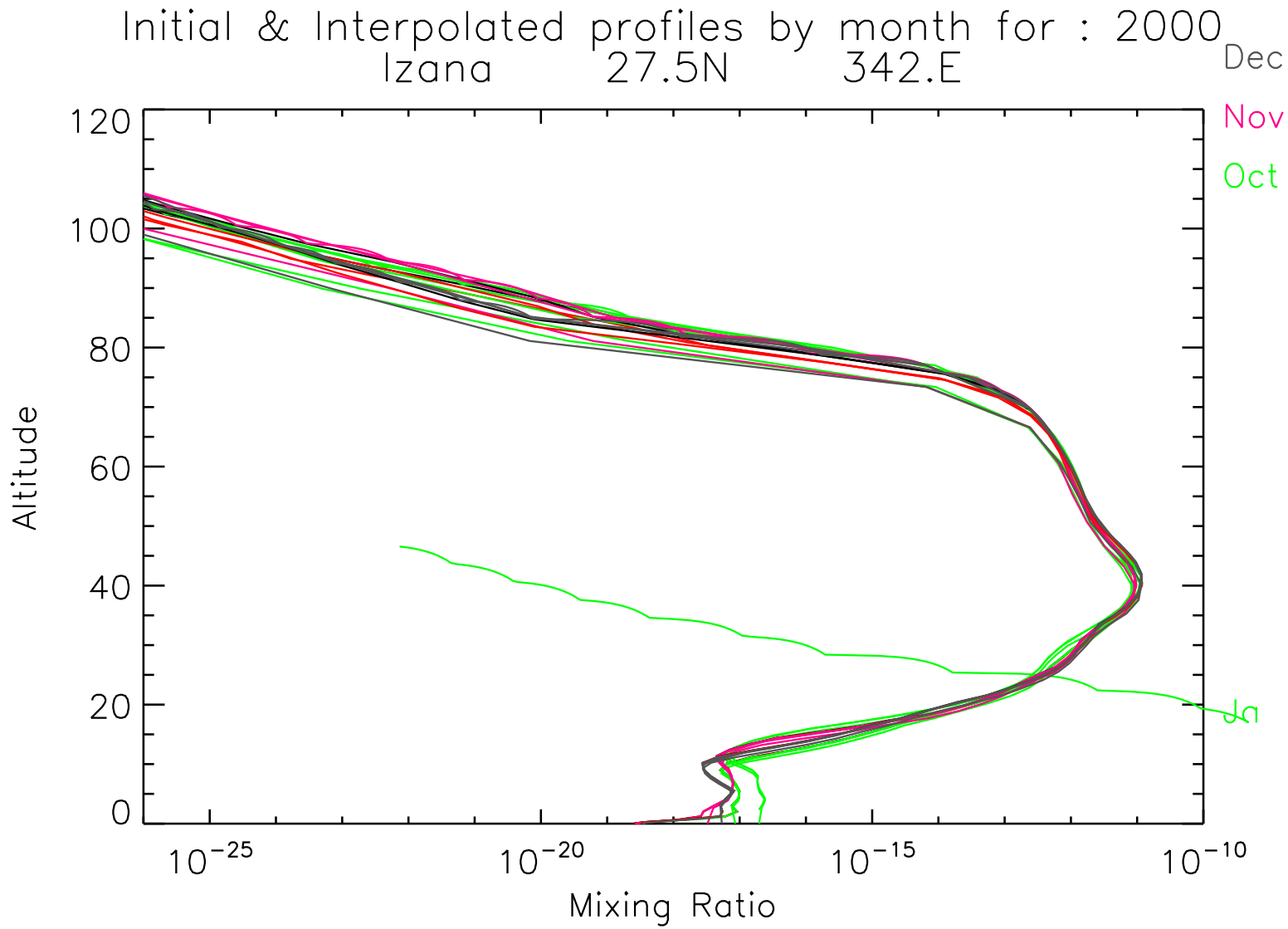
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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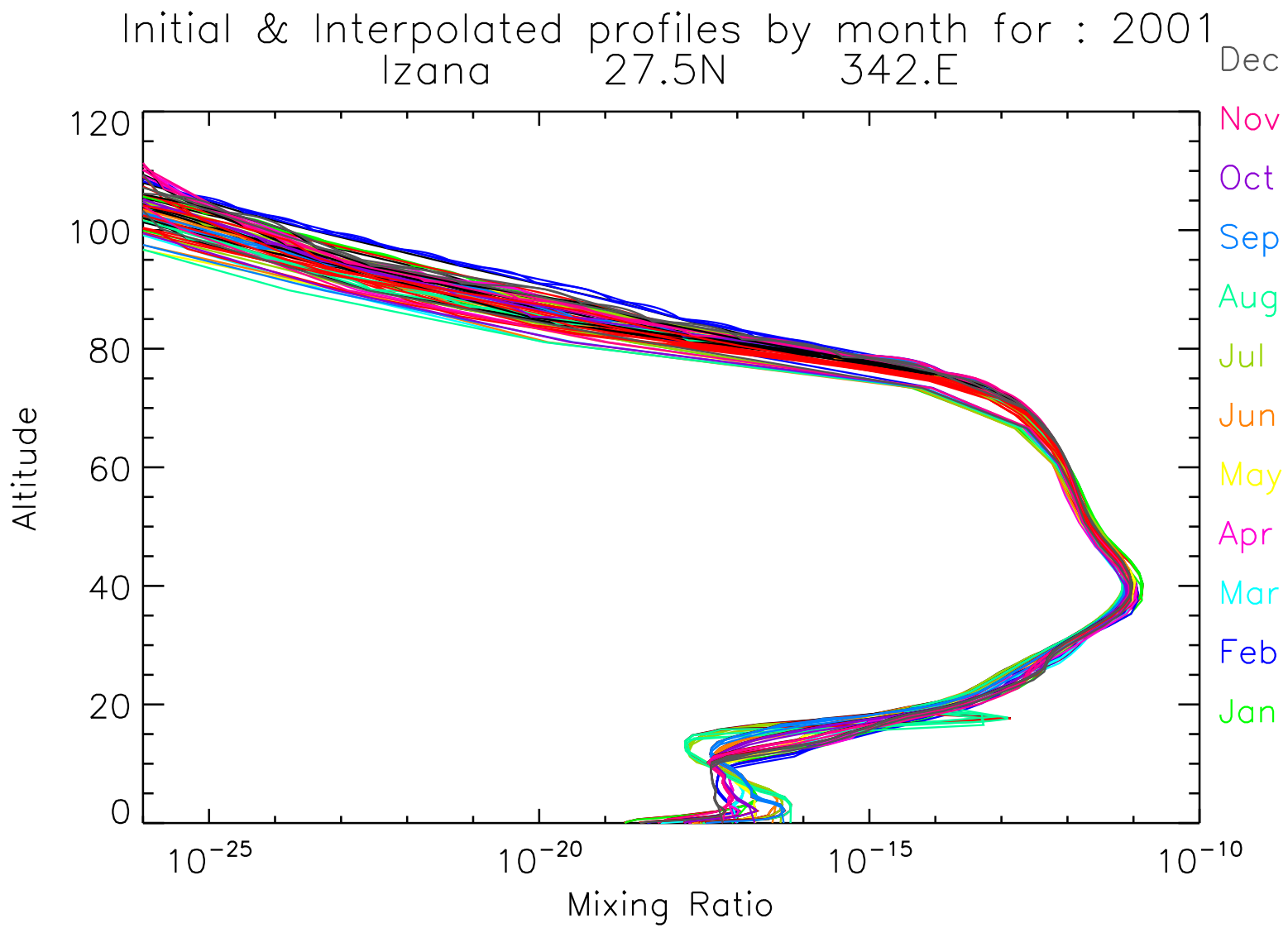
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Izana 27.5N 342.E
Dec
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120
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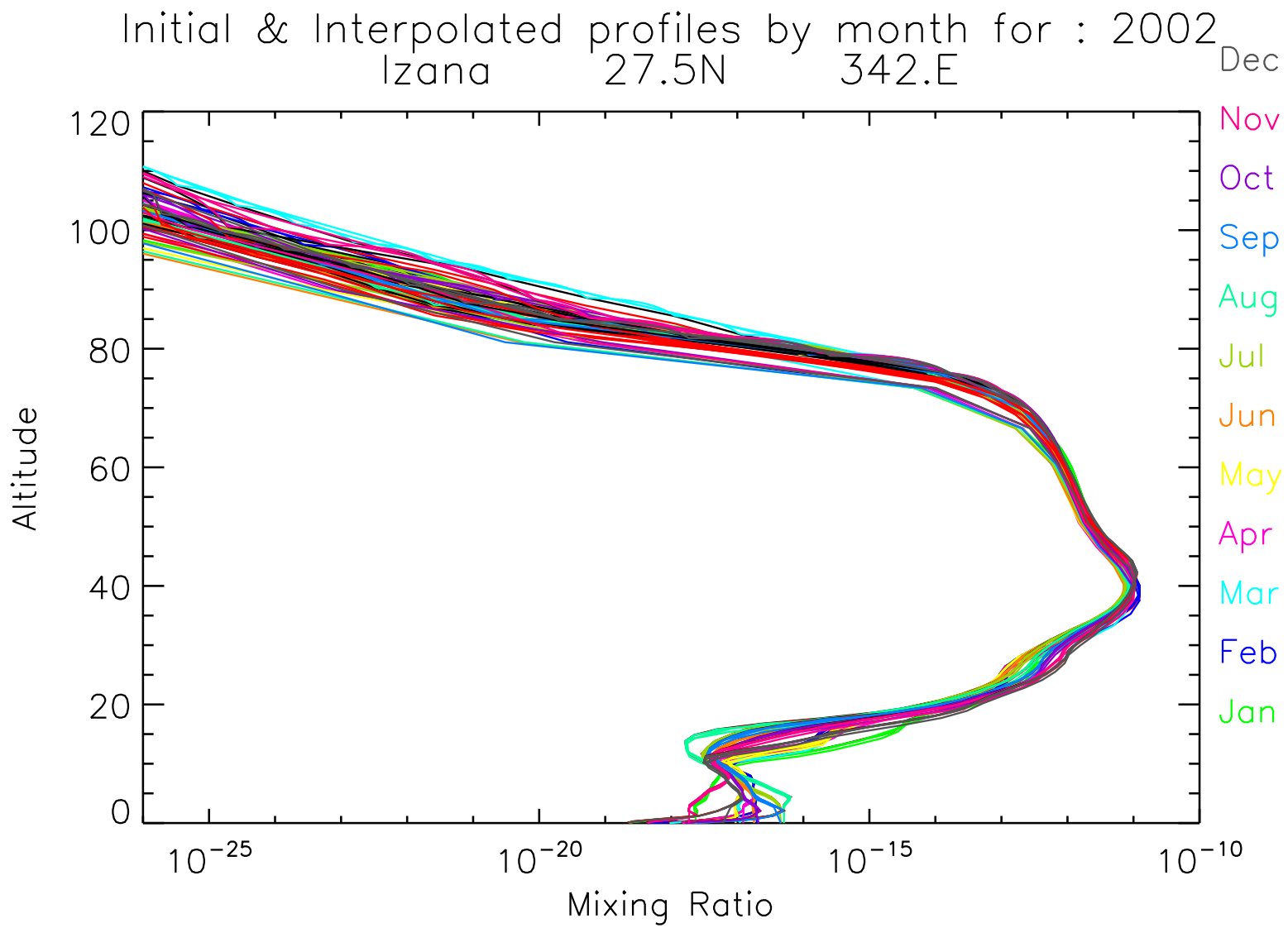
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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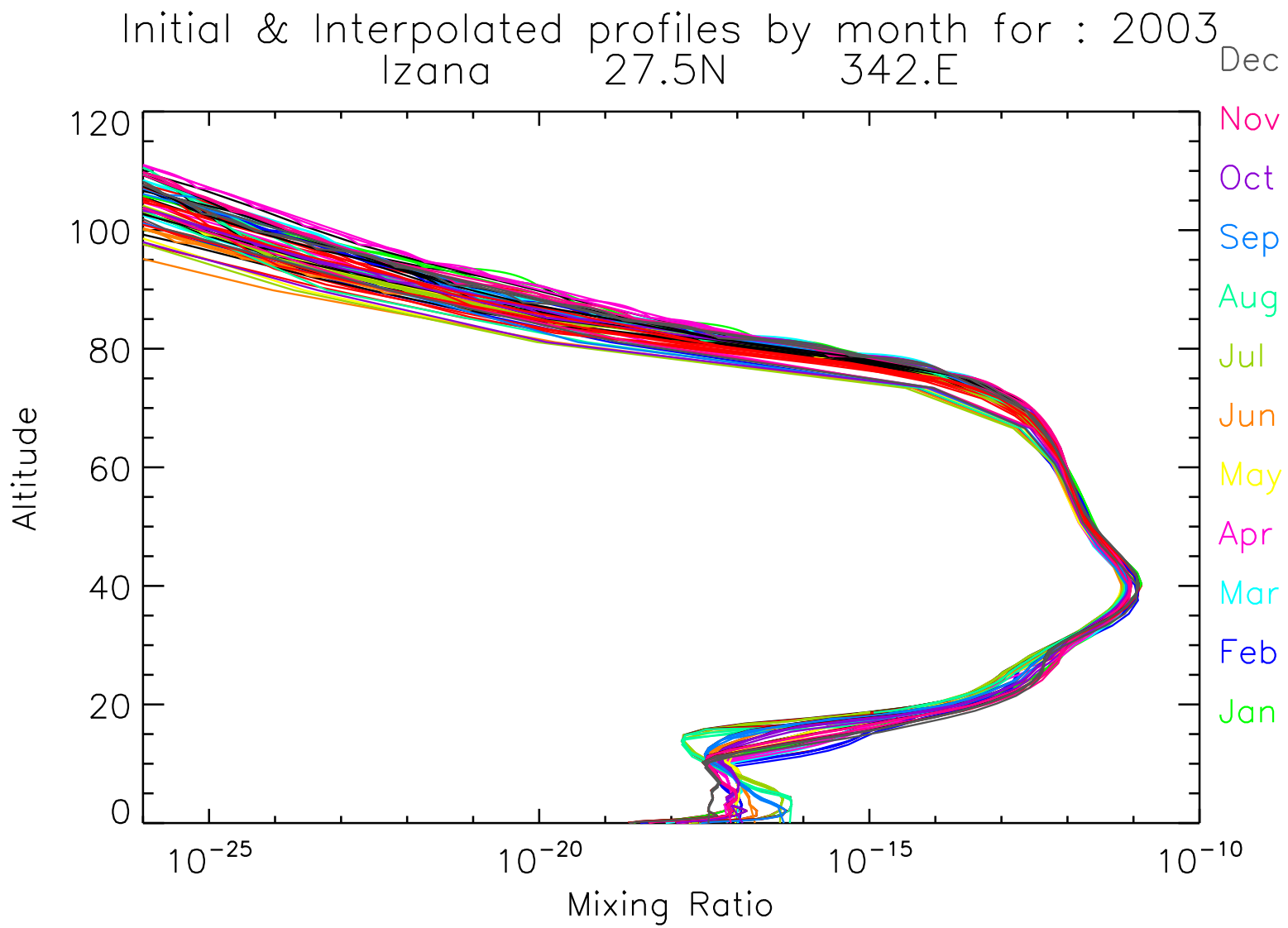
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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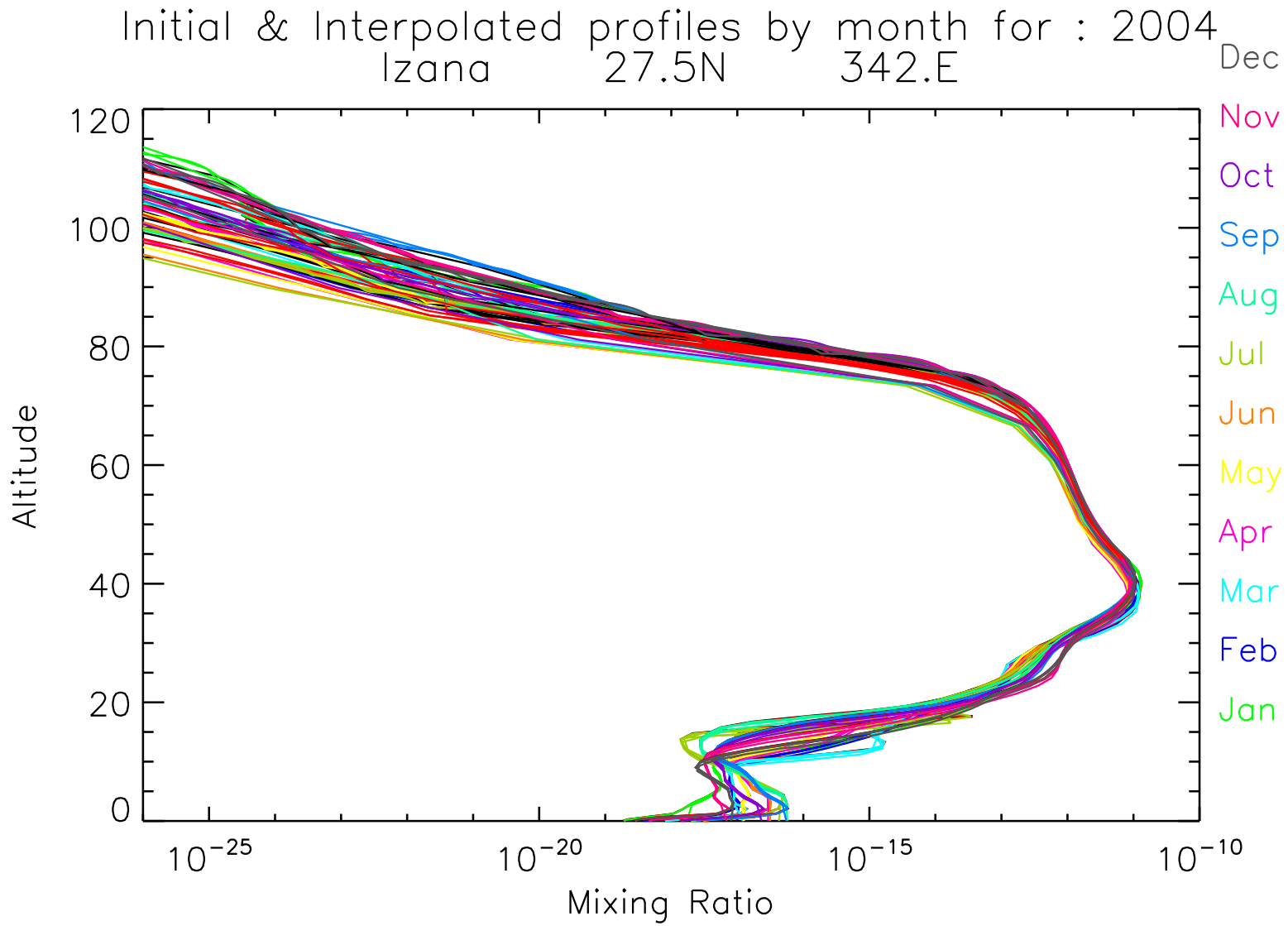
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Izana 27.5N 342.E
Dec
Nov
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120
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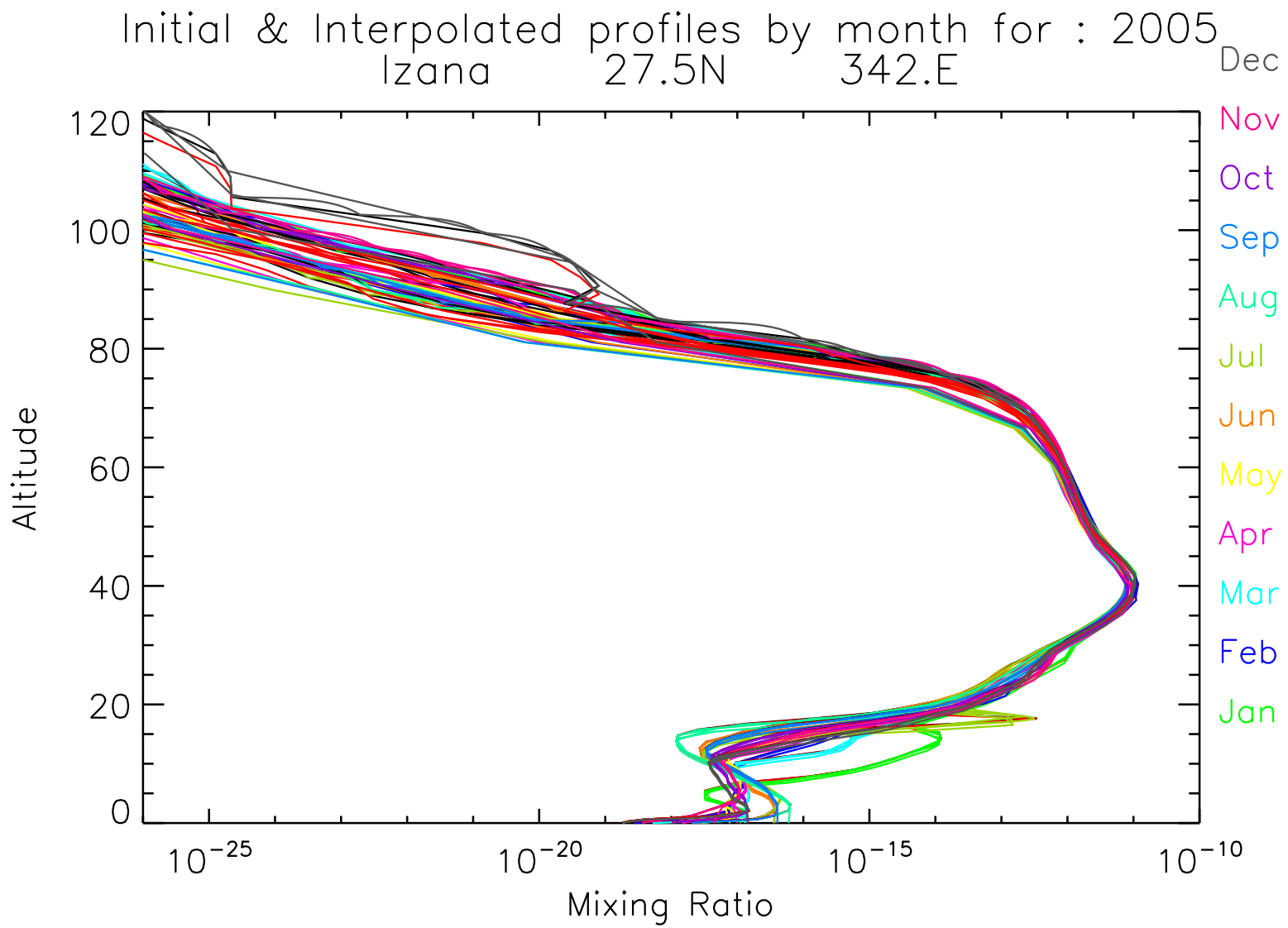
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Izana 27.5N 342.E
Dec
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120
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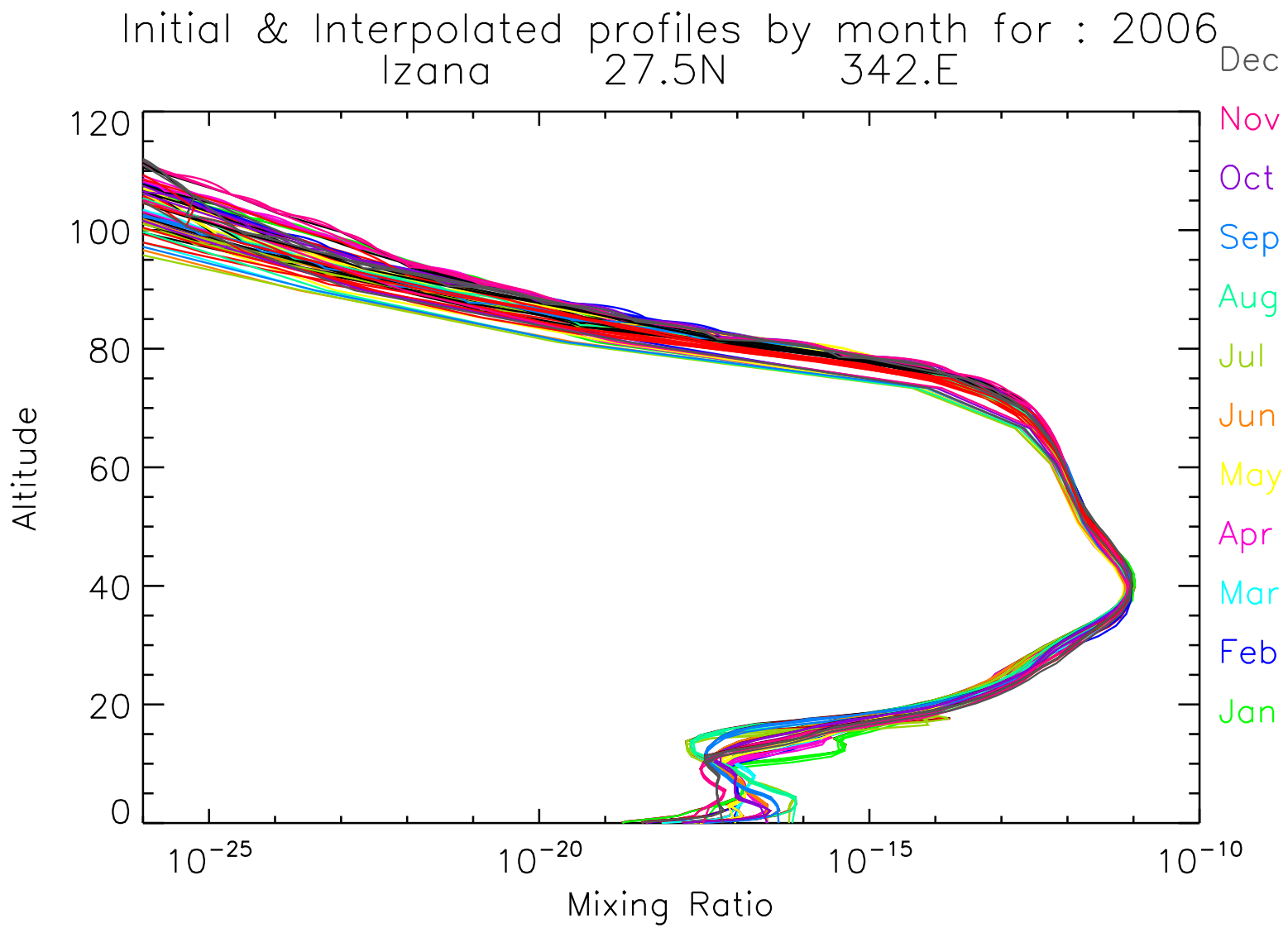
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Izana 27.5N 342.E
Dec
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120
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Altitude
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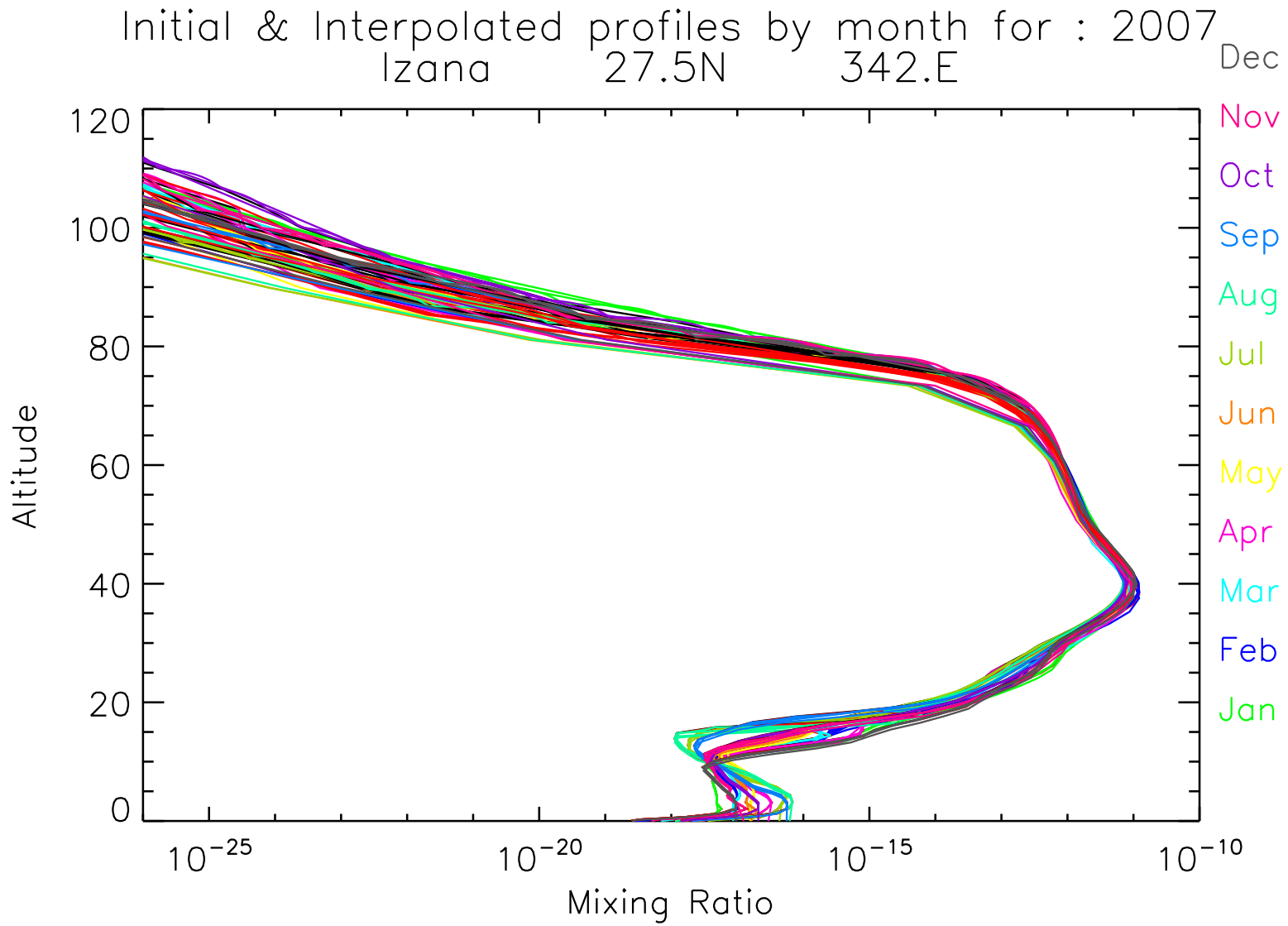
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Izana 27.5N 342.E
Dec
Nov
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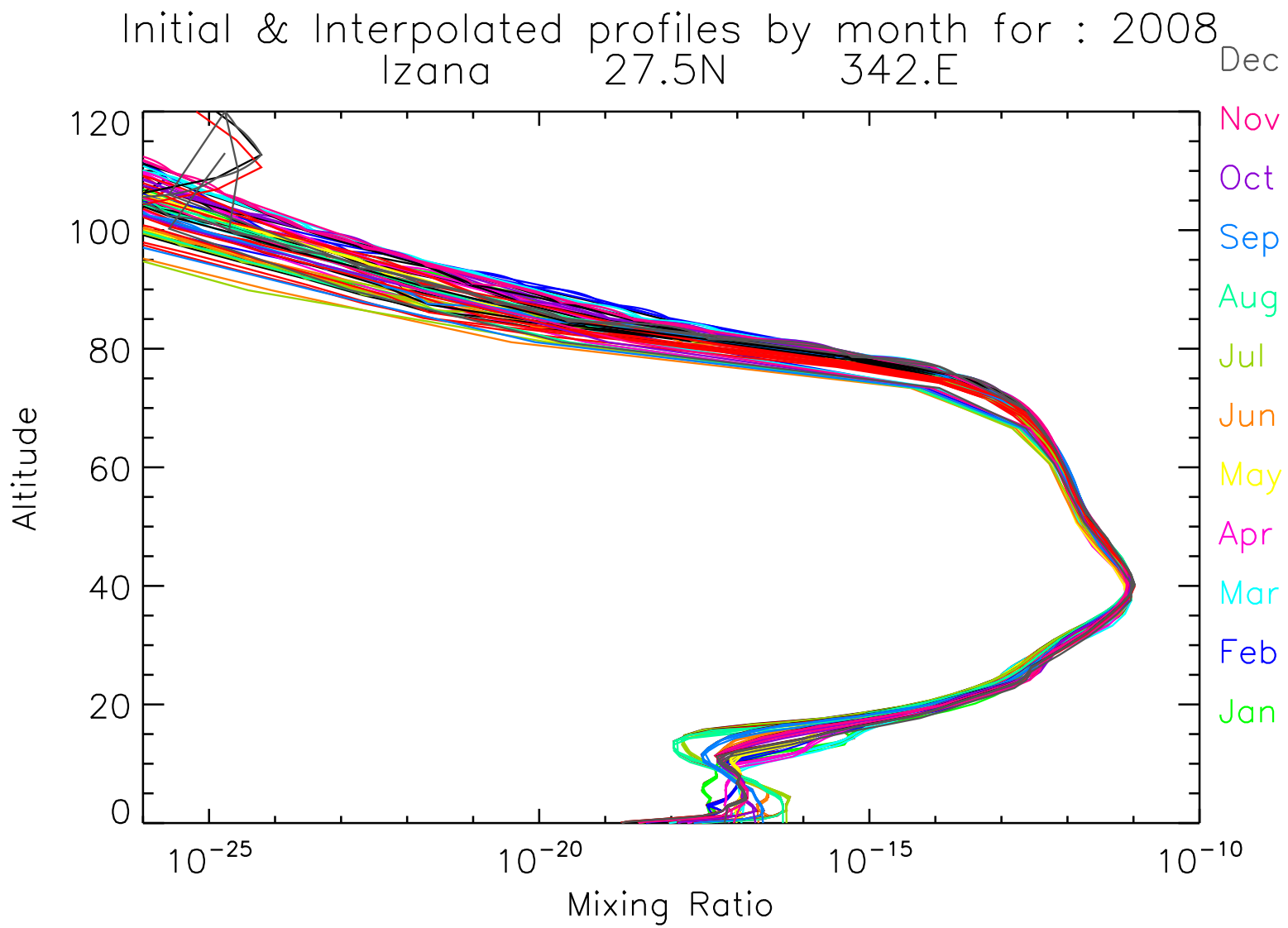
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Izana 27.5N 342.E
Dec
Nov
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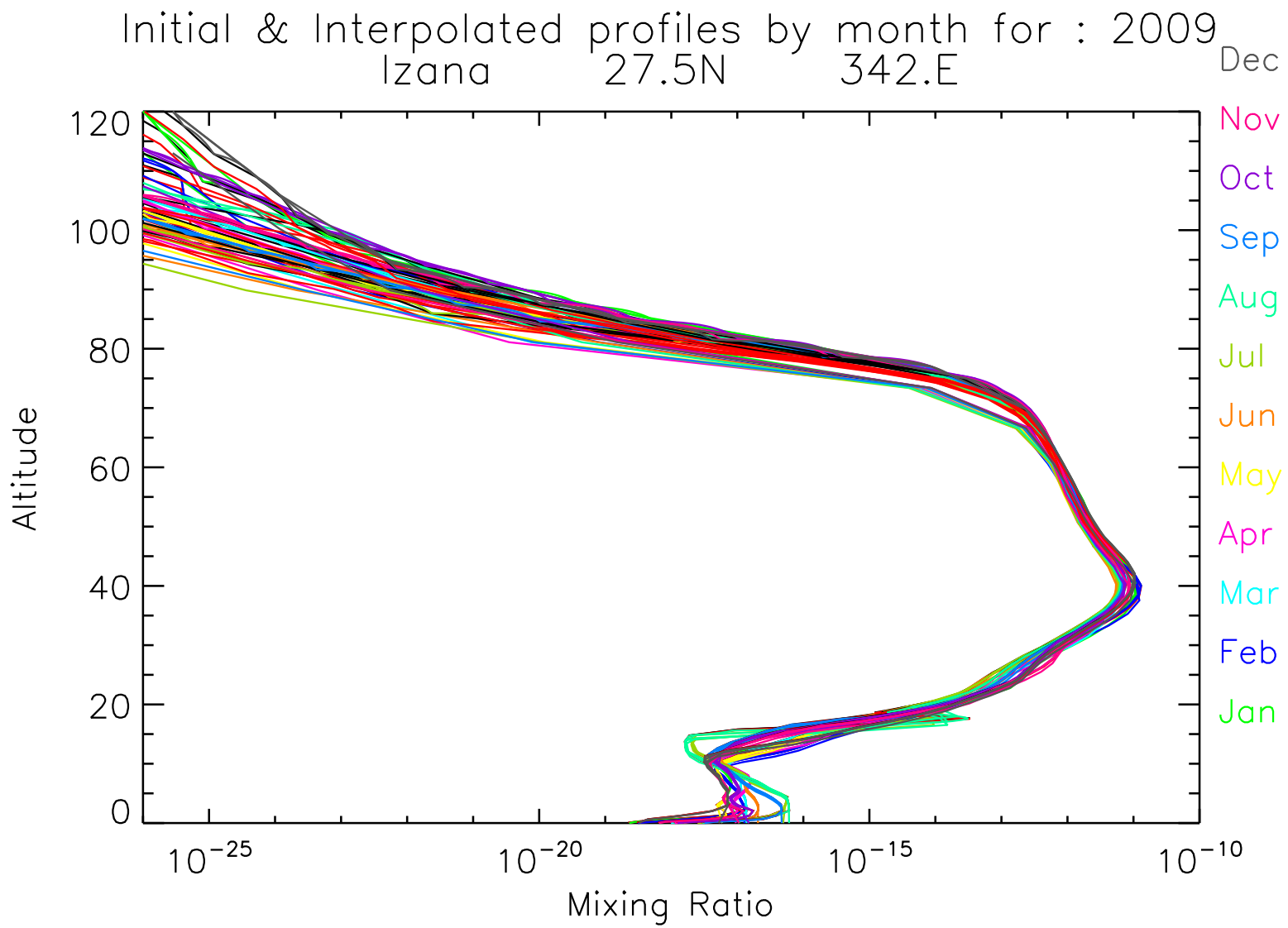
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Izana 27.5N 342.E
Dec
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120
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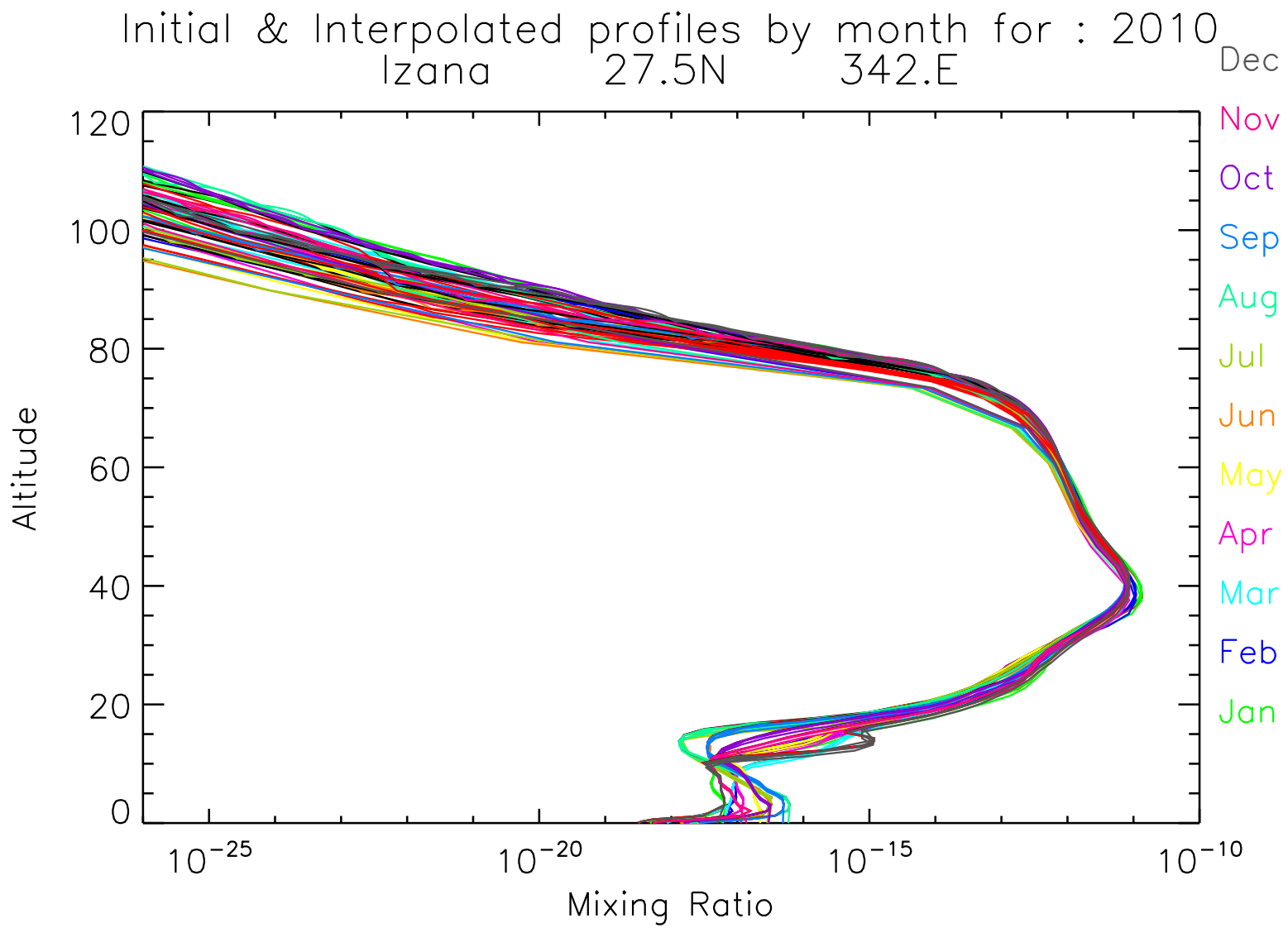
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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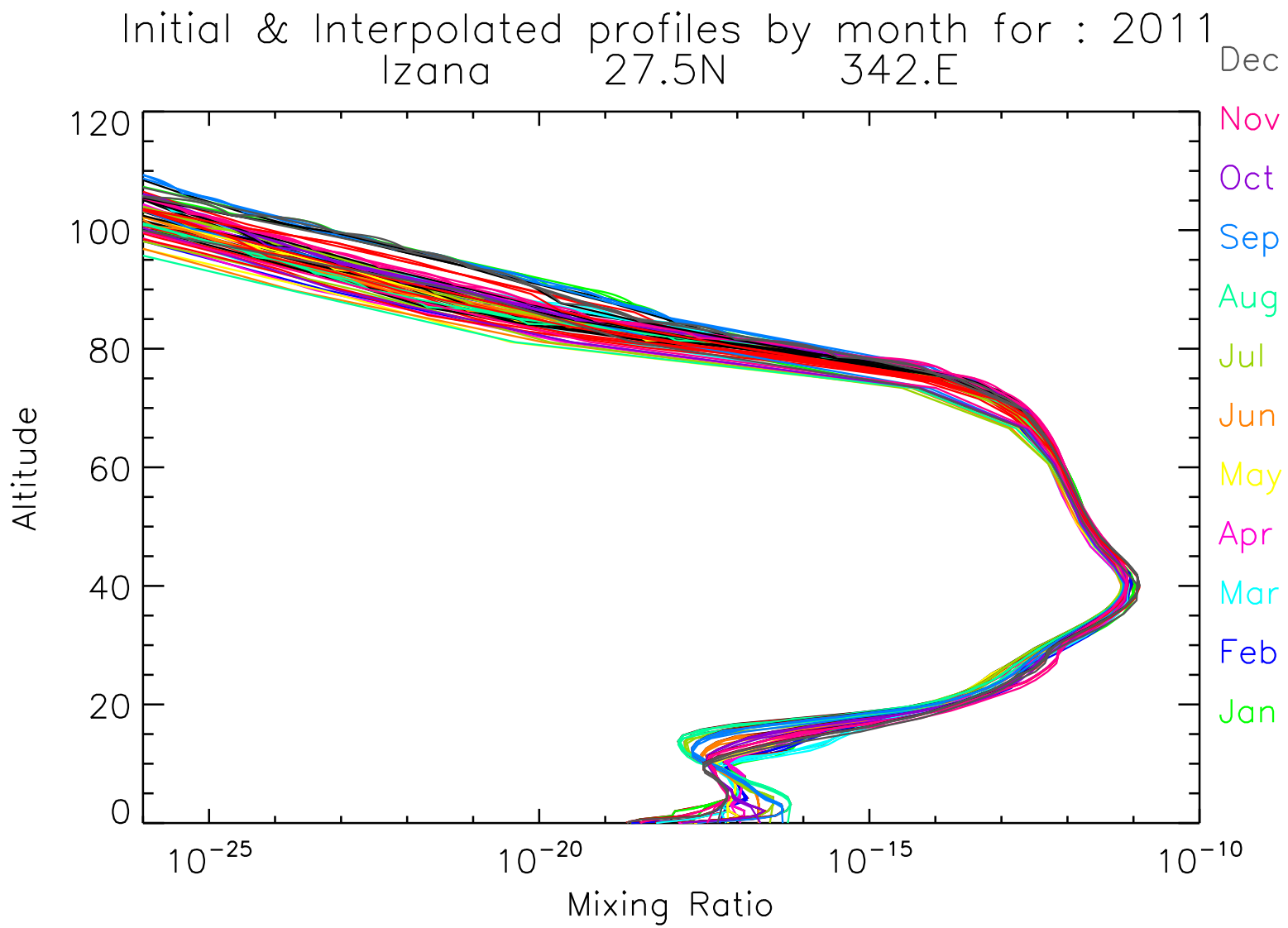
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Izana 27.5N 342.E
Dec
Nov
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Altitude
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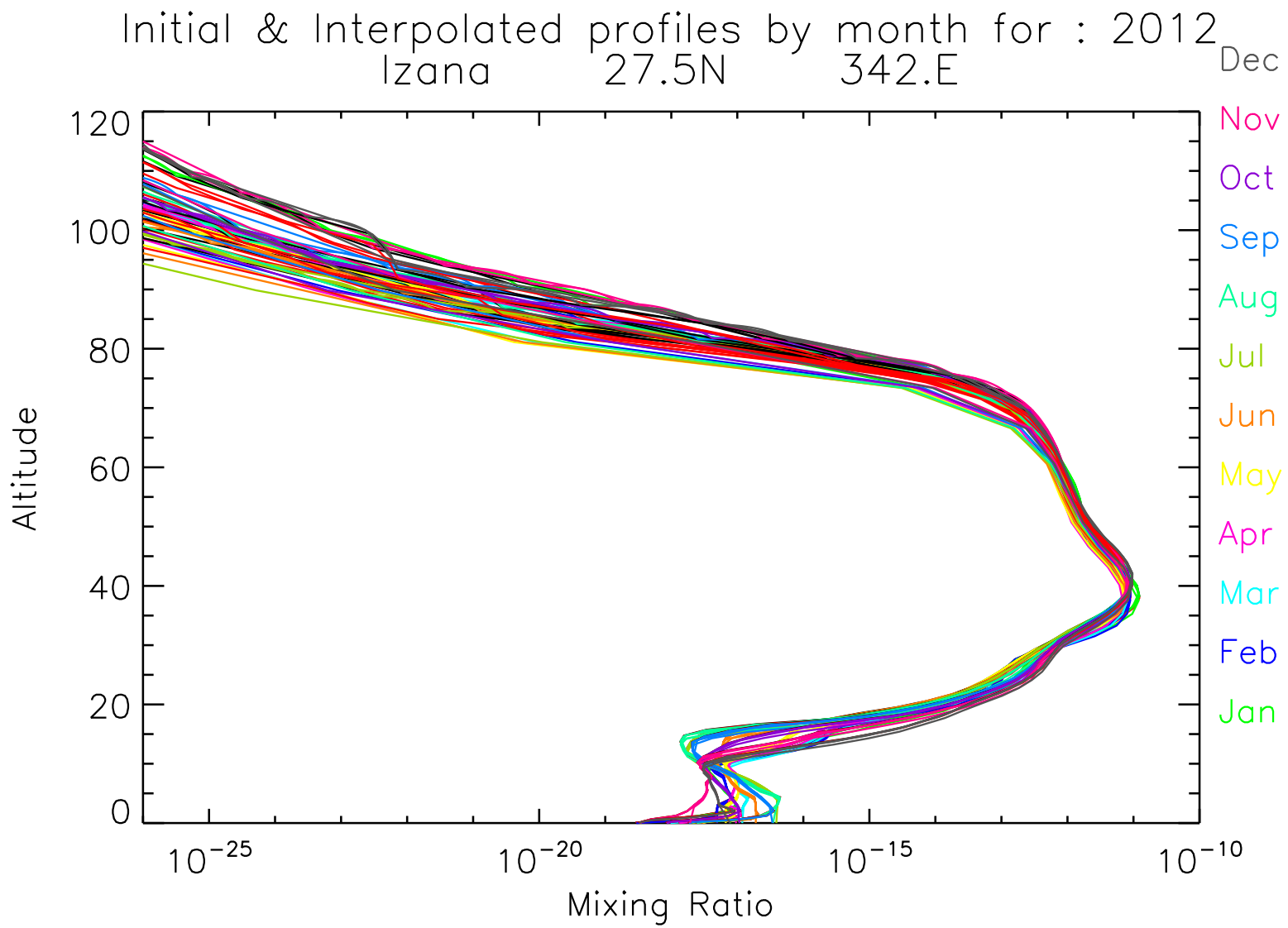
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Izana 27.5N 342.E
Dec
Nov
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Altitude
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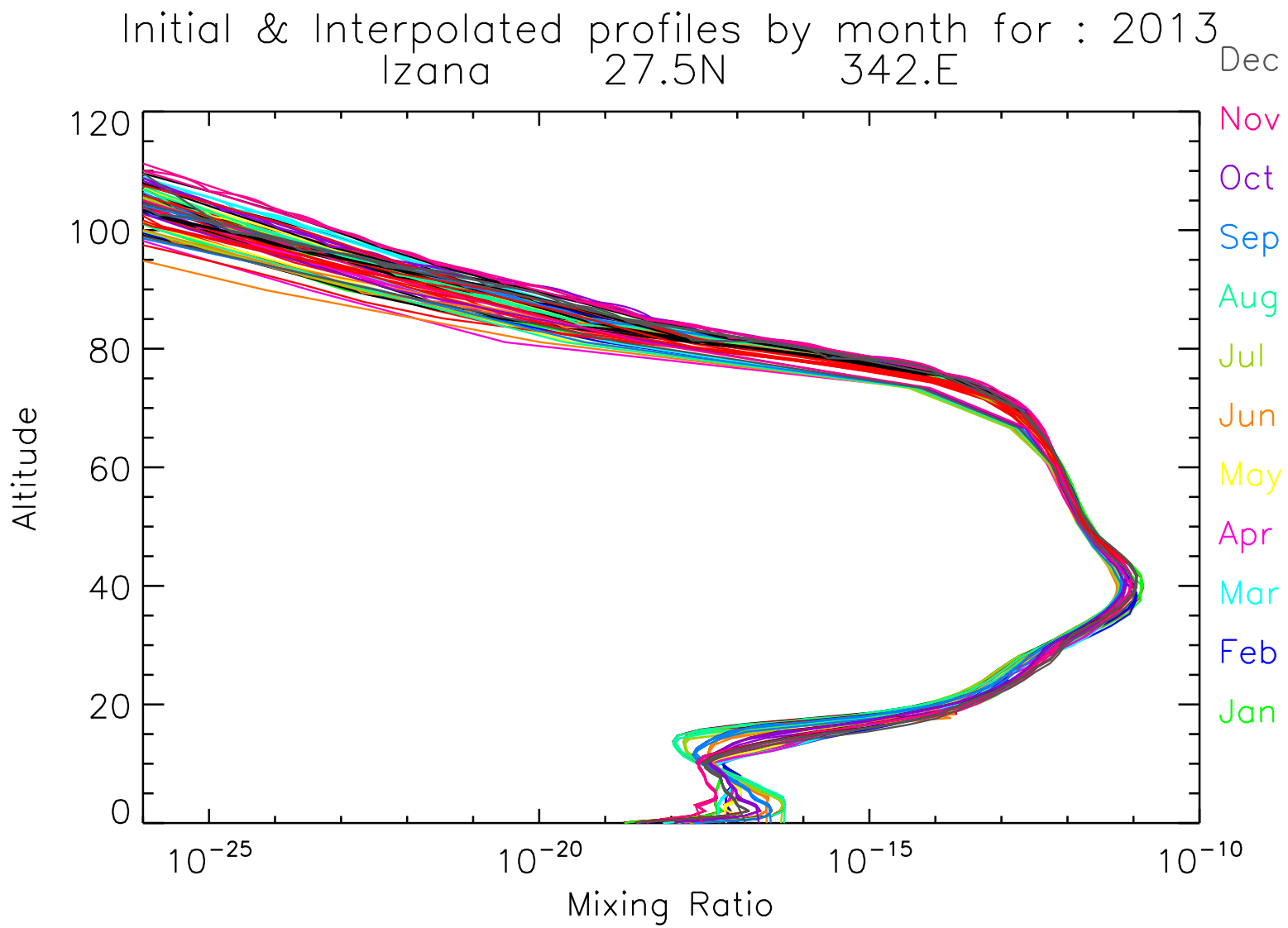
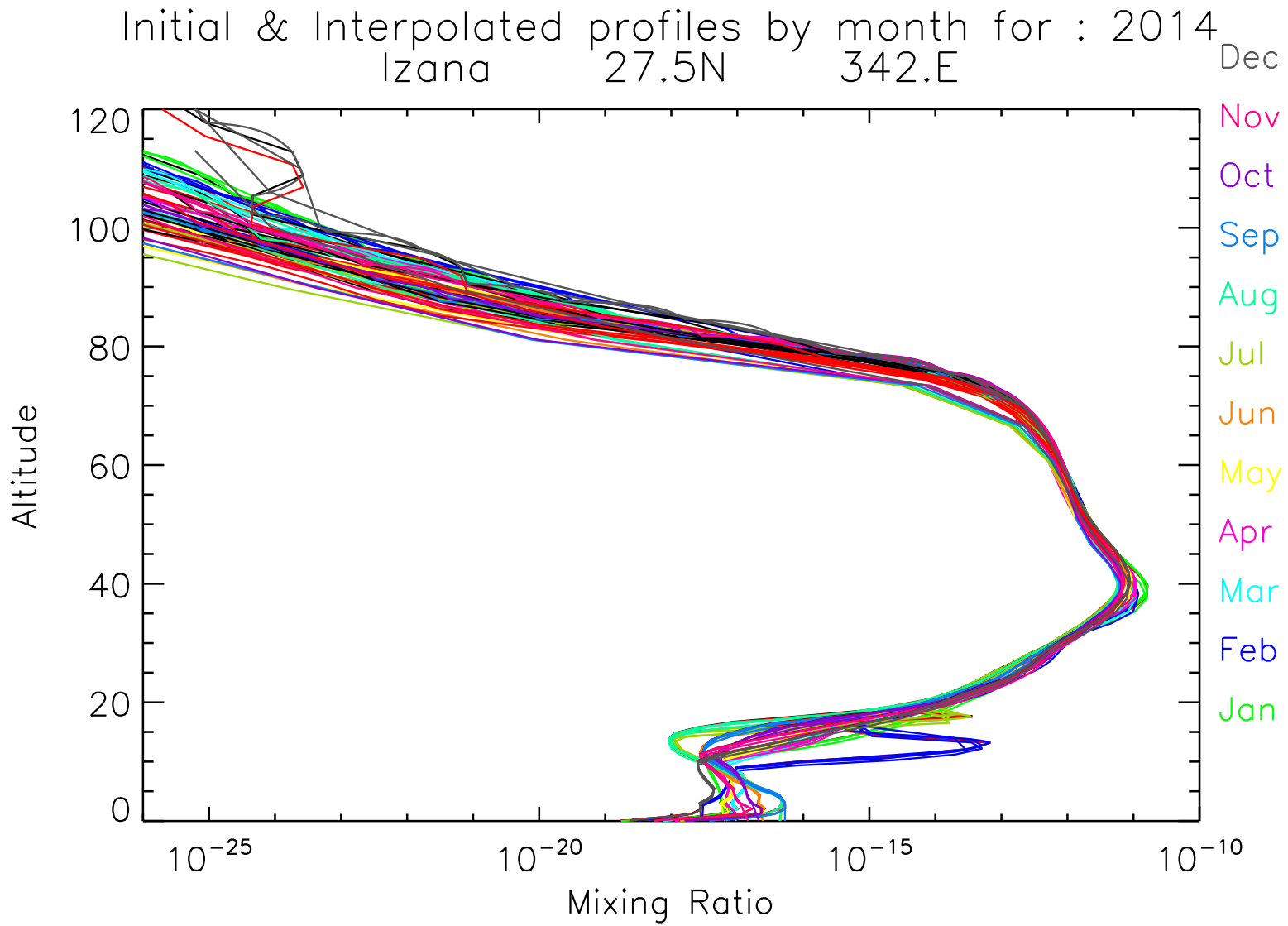
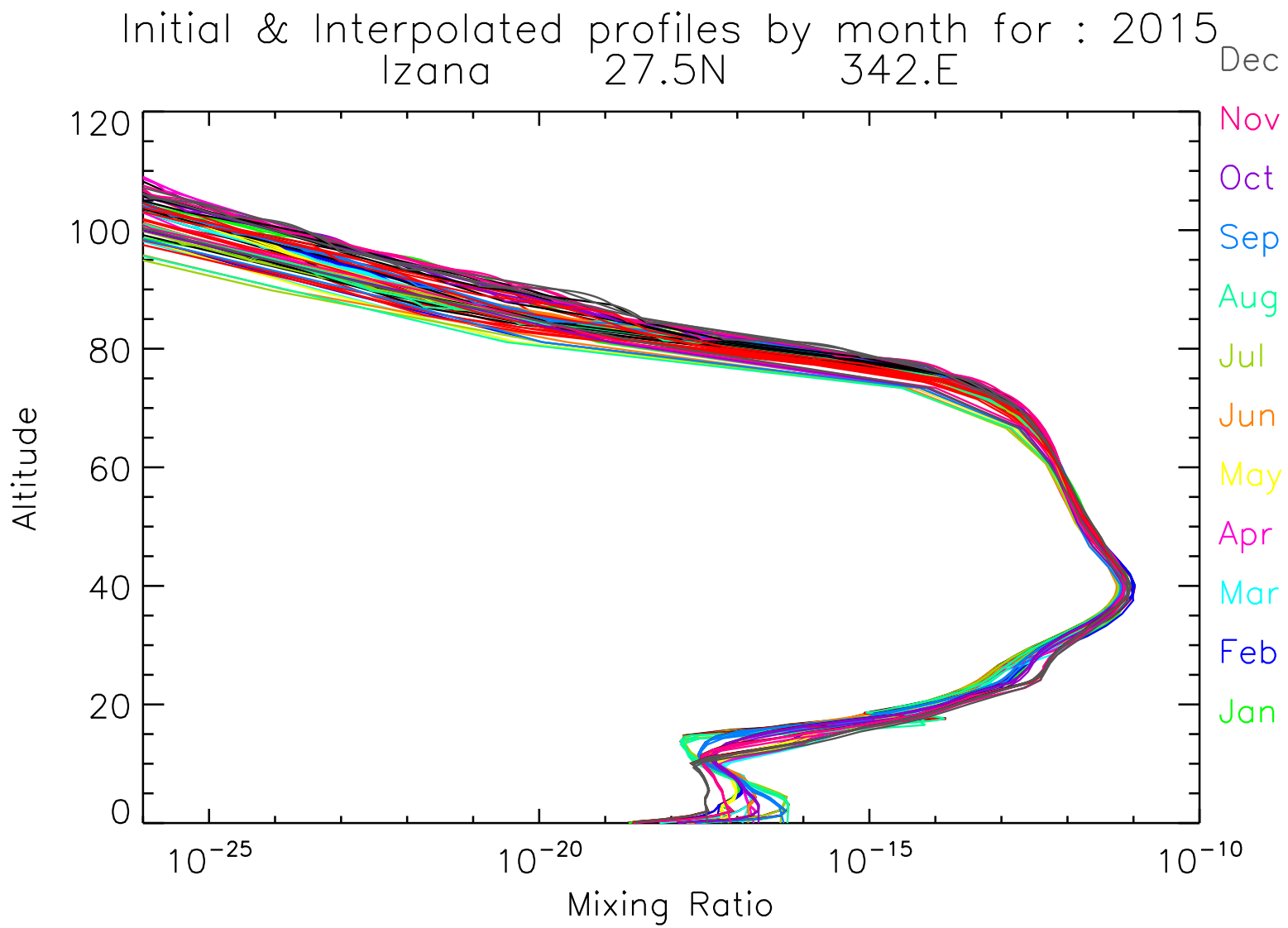
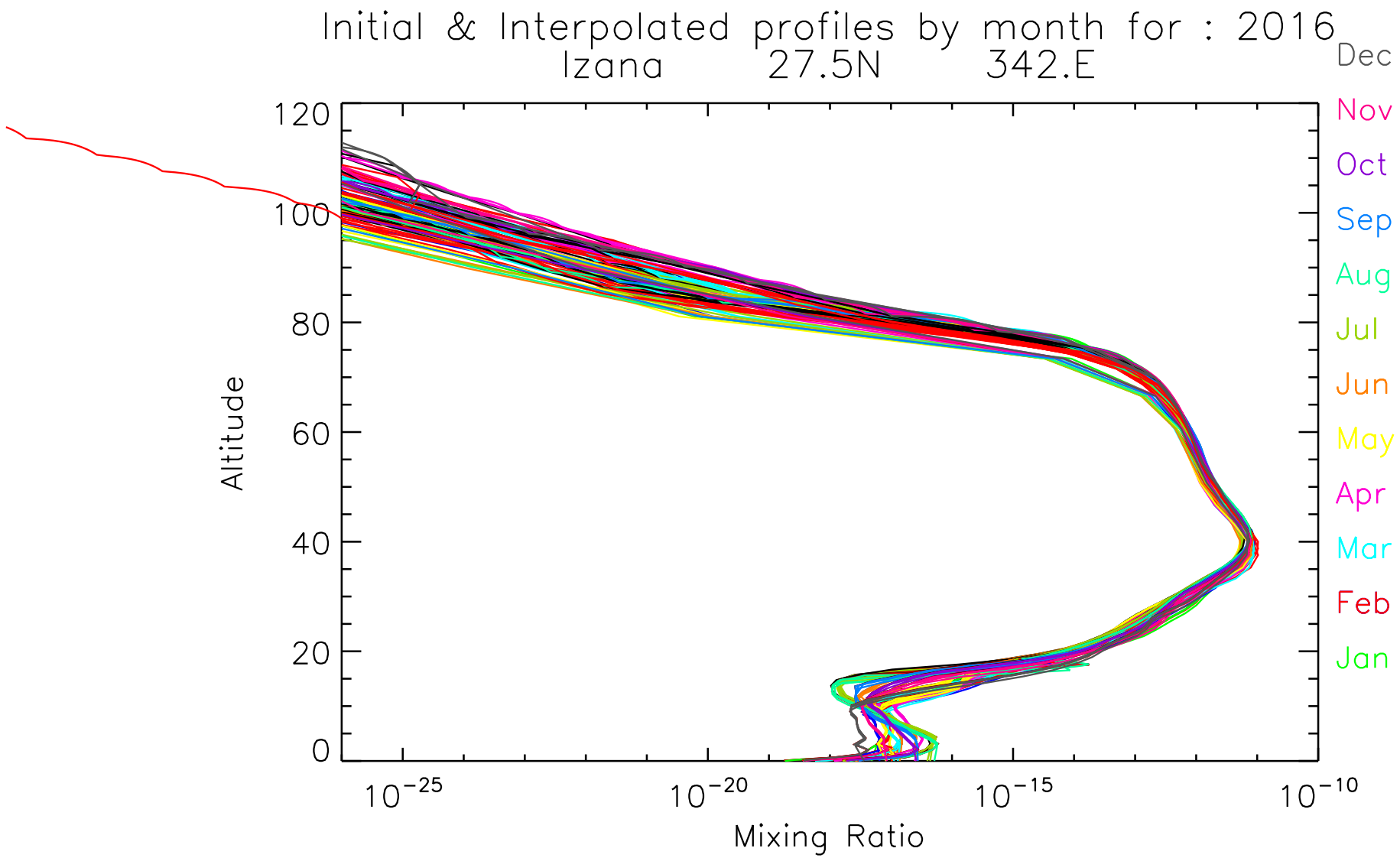
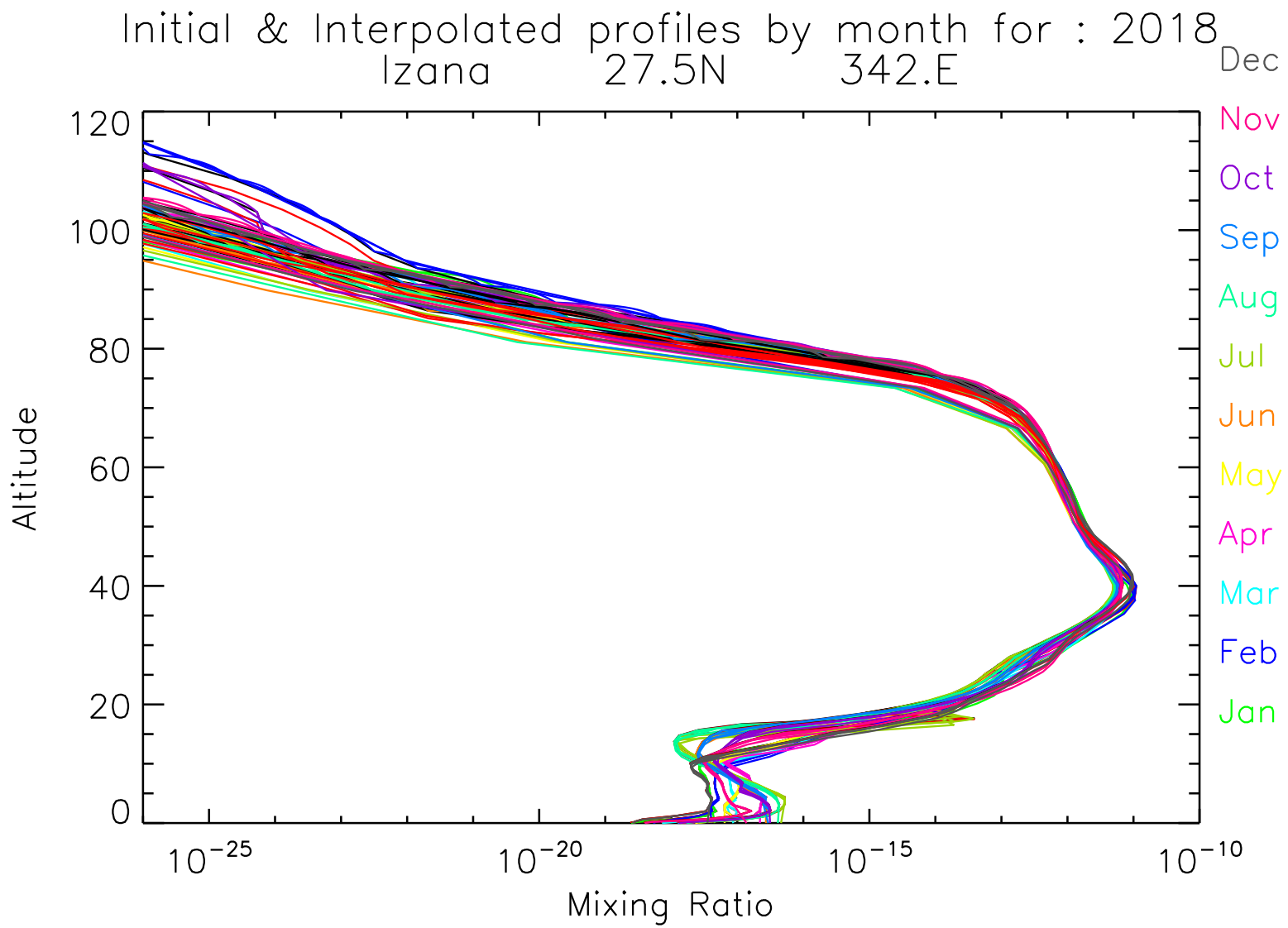
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio

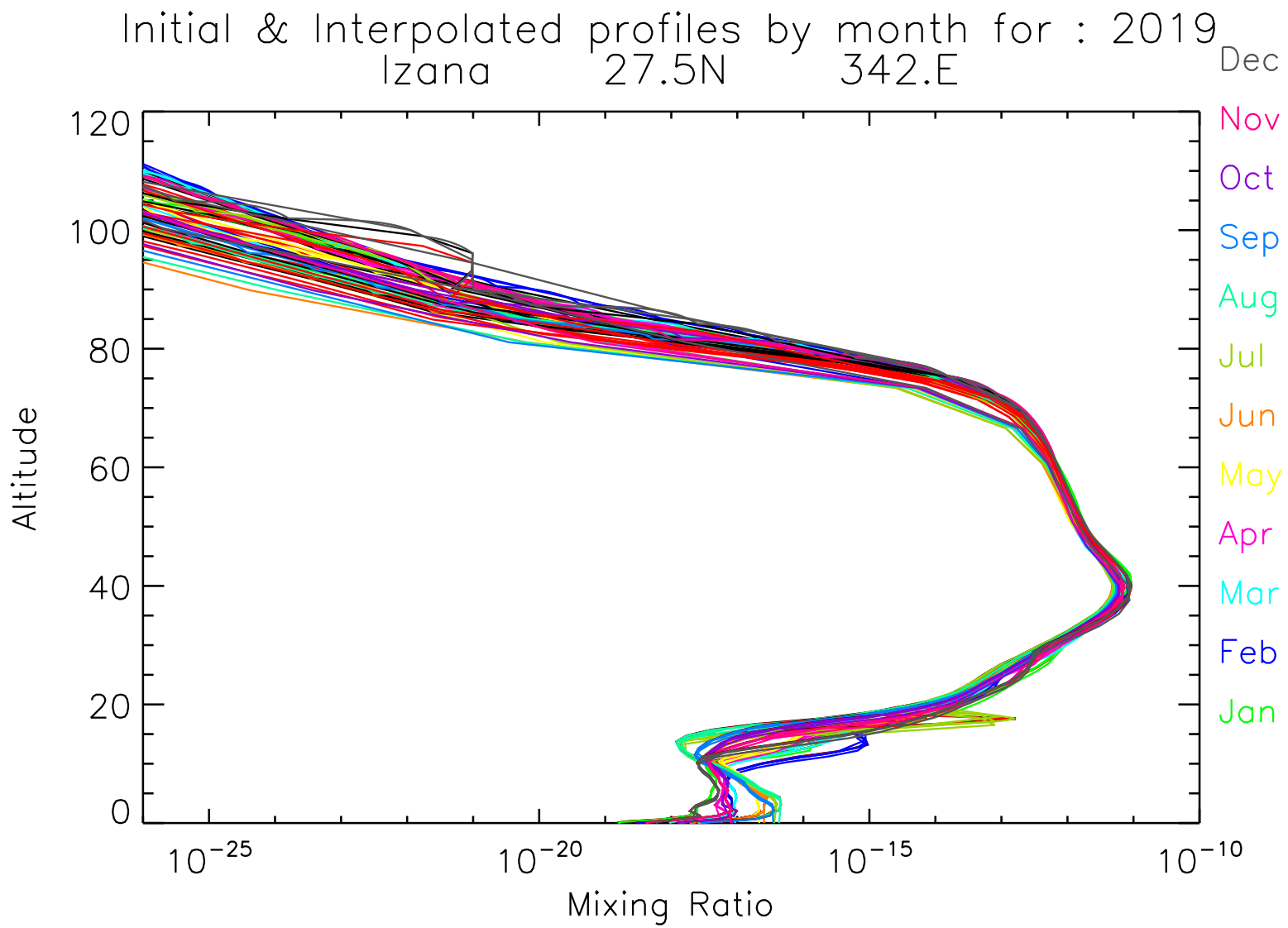

Initial & Interpolated profiles by month for : 2013
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio

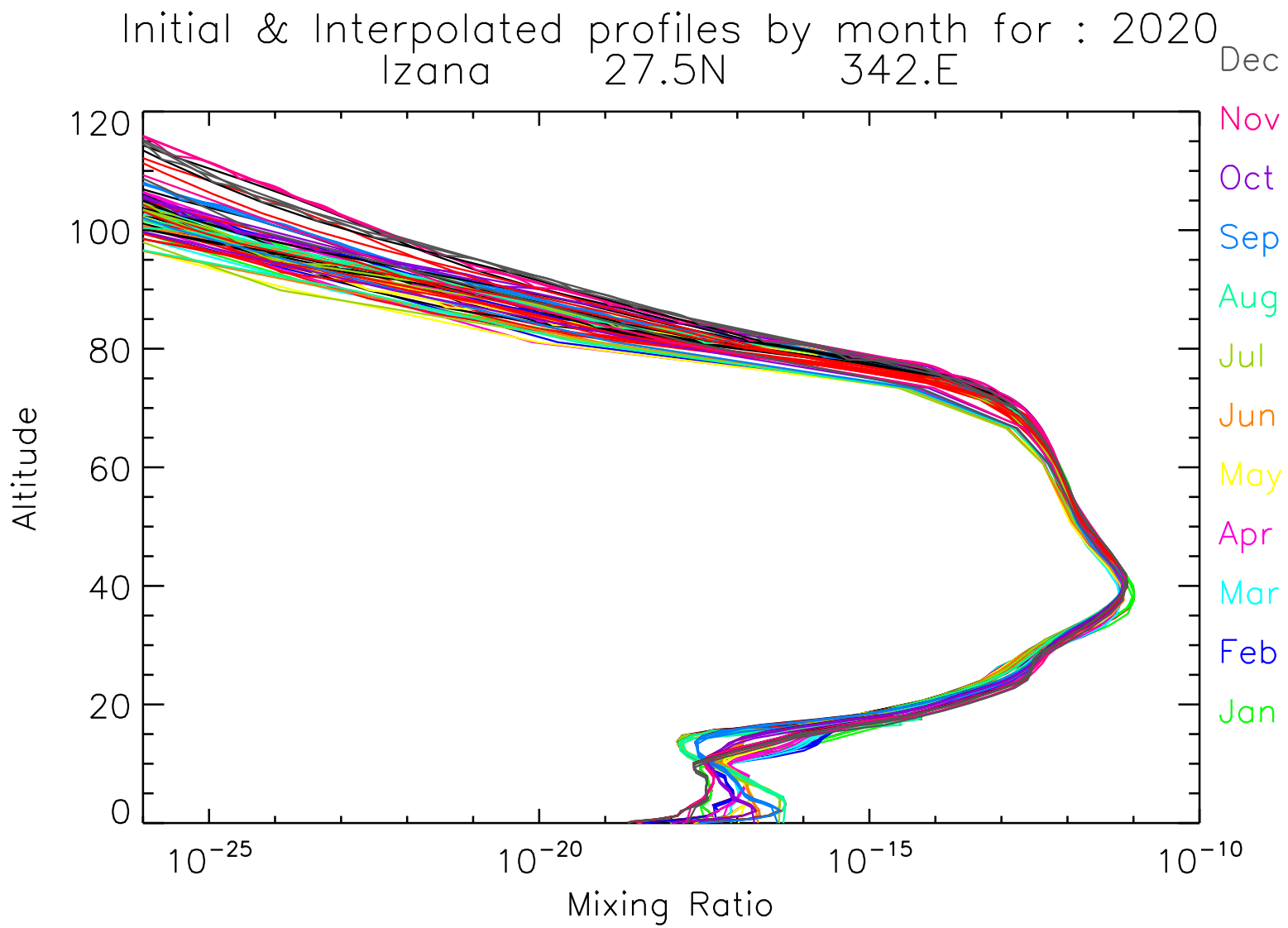

Initial & Interpolated profiles by month for : 2014
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio

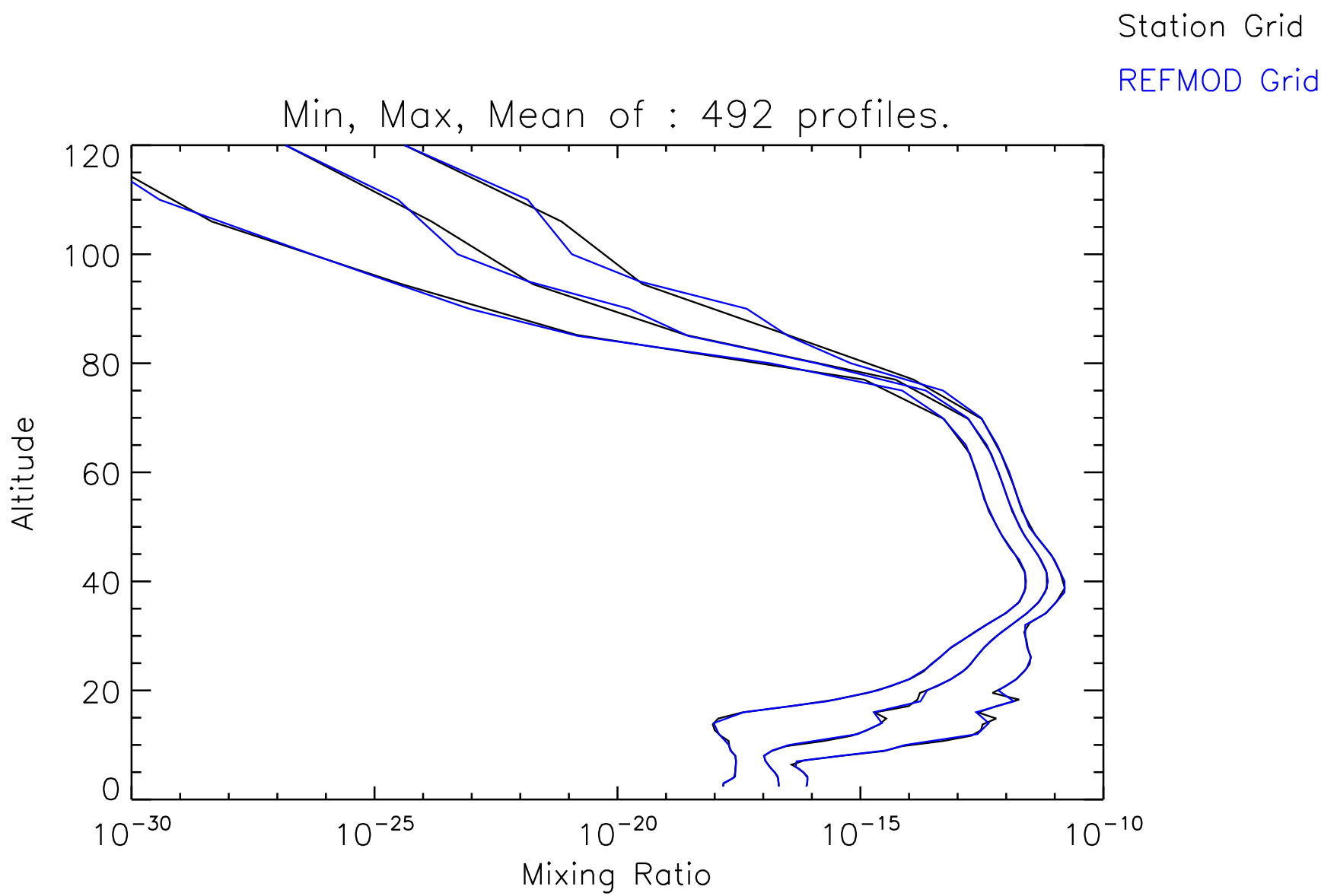

Initial & Interpolated profiles by month for : 2015
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio

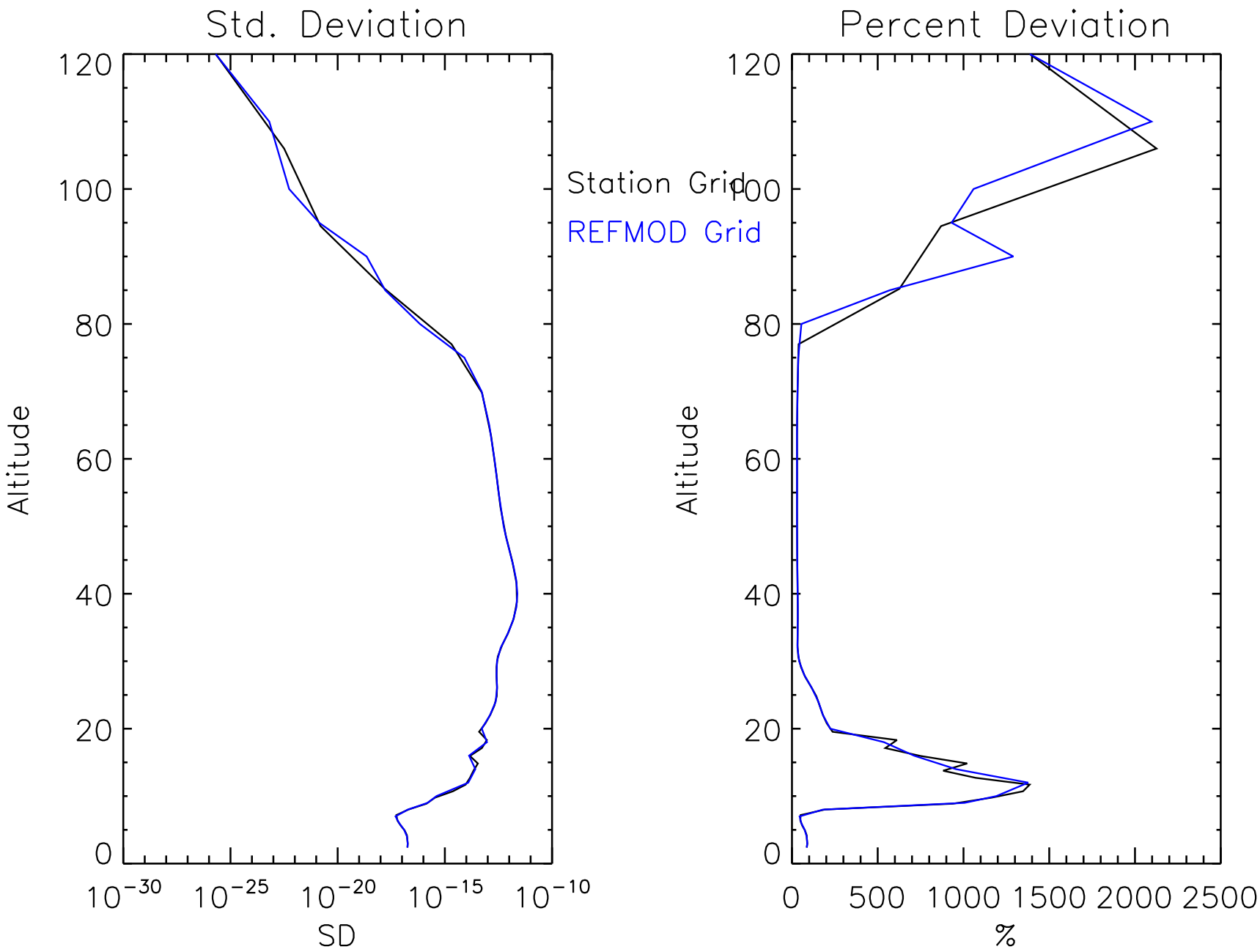

Initial & Interpolated profiles by month for : 2016
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio

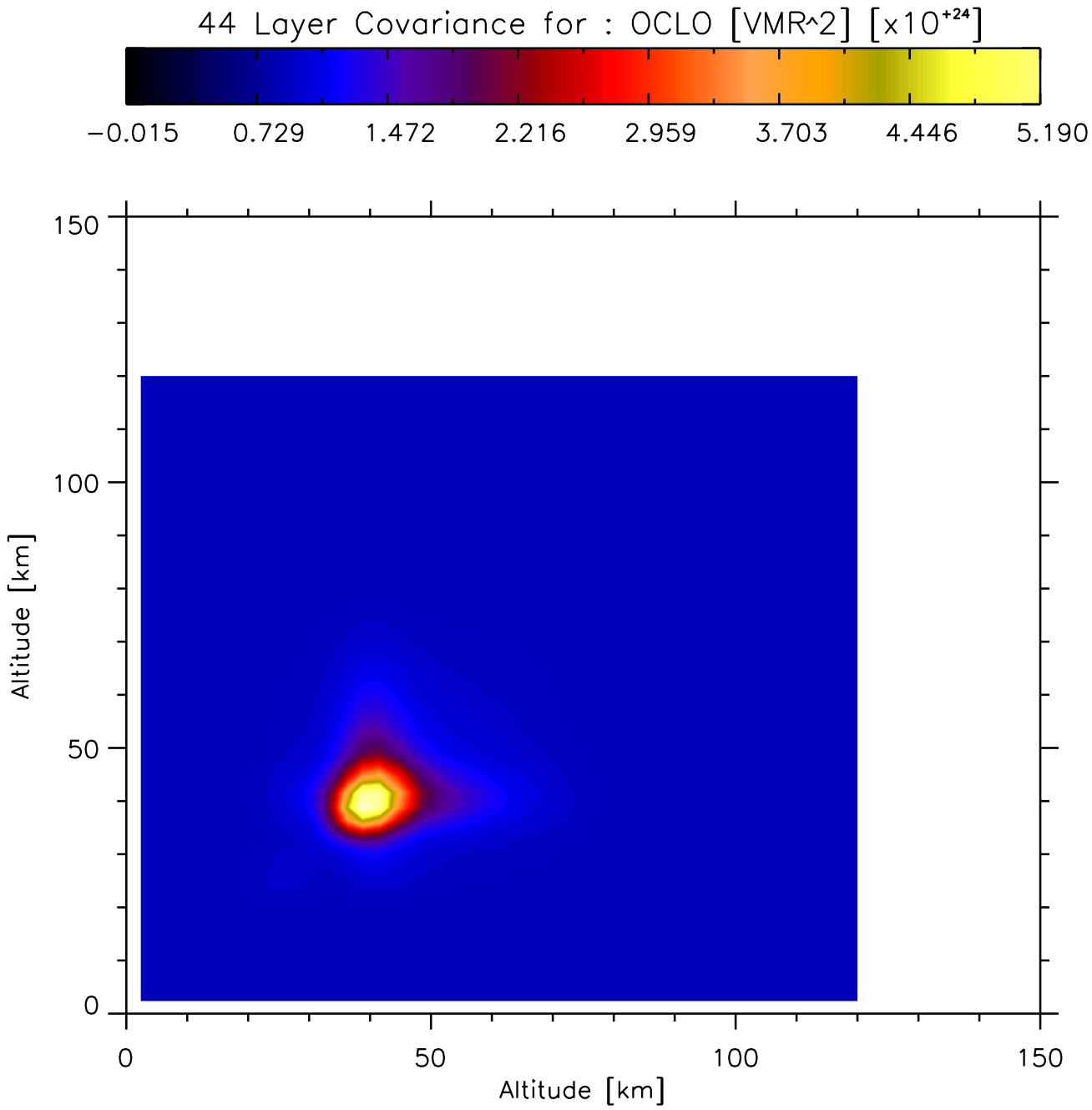

Initial & Interpolated profiles by month for : 2018
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


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

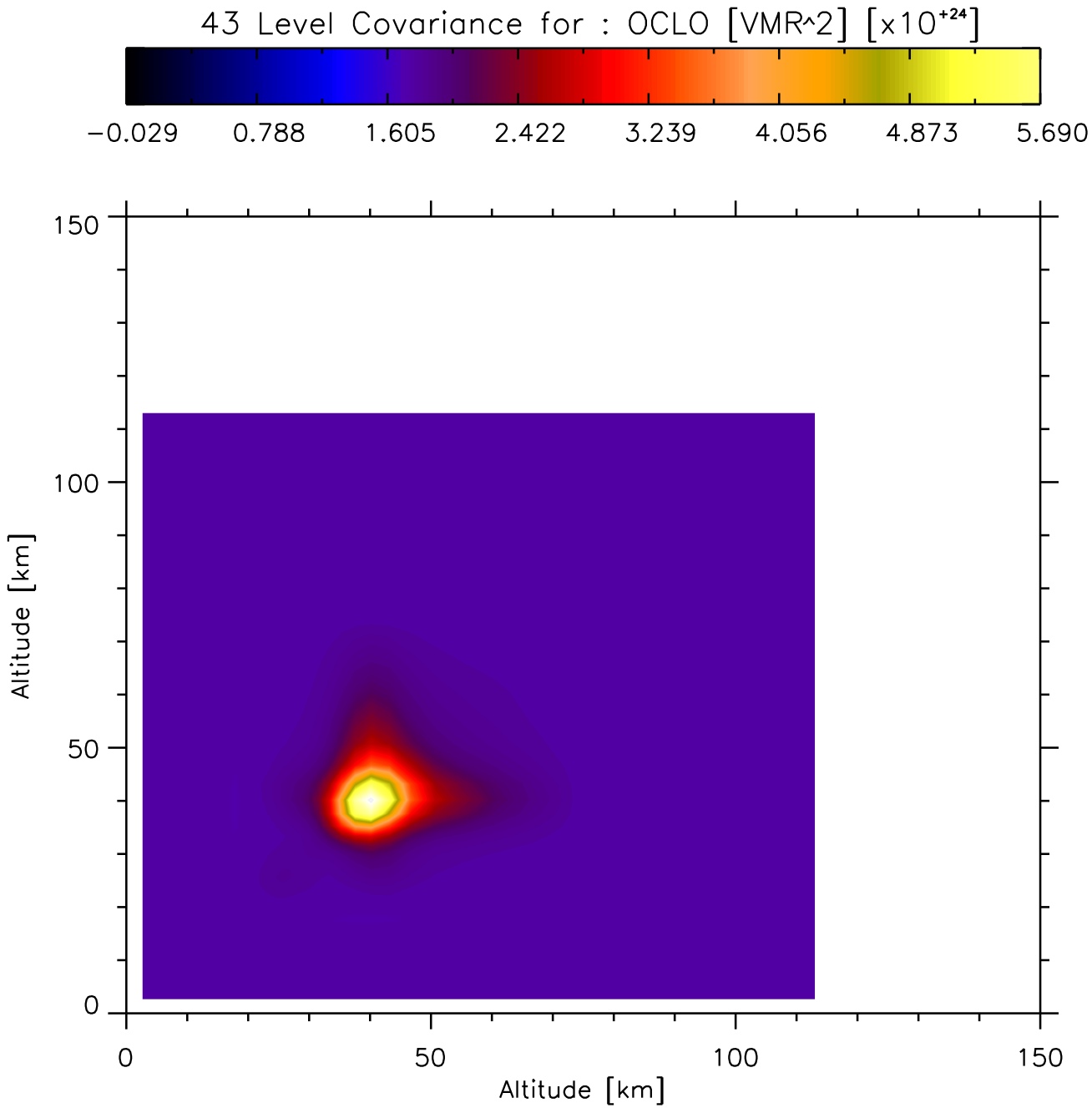

Initial & Interpolated profiles by month for : 2020
Izana 27.5N 342.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
$10^{-30}$
$10^{-25}$
$10^{-20}$
$10^{-15}$
$10^{-10}$
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
$10^{-30}$ $10^{-25}$ $10^{-20}$ $10^{-15}$ $10^{-10}$
SD
0 500 1000 1500 2000 2500
%


44 Layer Covariance for : OCLO [VMR^2] [x10^+24]
−0.015
0.729
1.472
2.216
2.959
3.703
4.446
5.190
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

44 Layer Covariance for : OCLO [VMR^2] [x10^+24]
0
1
2
3
4
5
6
150
100
50
0
Y Altitude
0
50
100
150
X Altitude


43 Level Covariance for : OCLO [VMR^2] [x10^+24]
−0.029
0.788
1.605
2.422
3.239
4.056
4.873
5.690
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

43 Level Covariance for : OCLO [VMR^2] [x10^+24]
0
2
4
6
Y Altitude
0
50
100
150
X Altitude
0
50
100
150