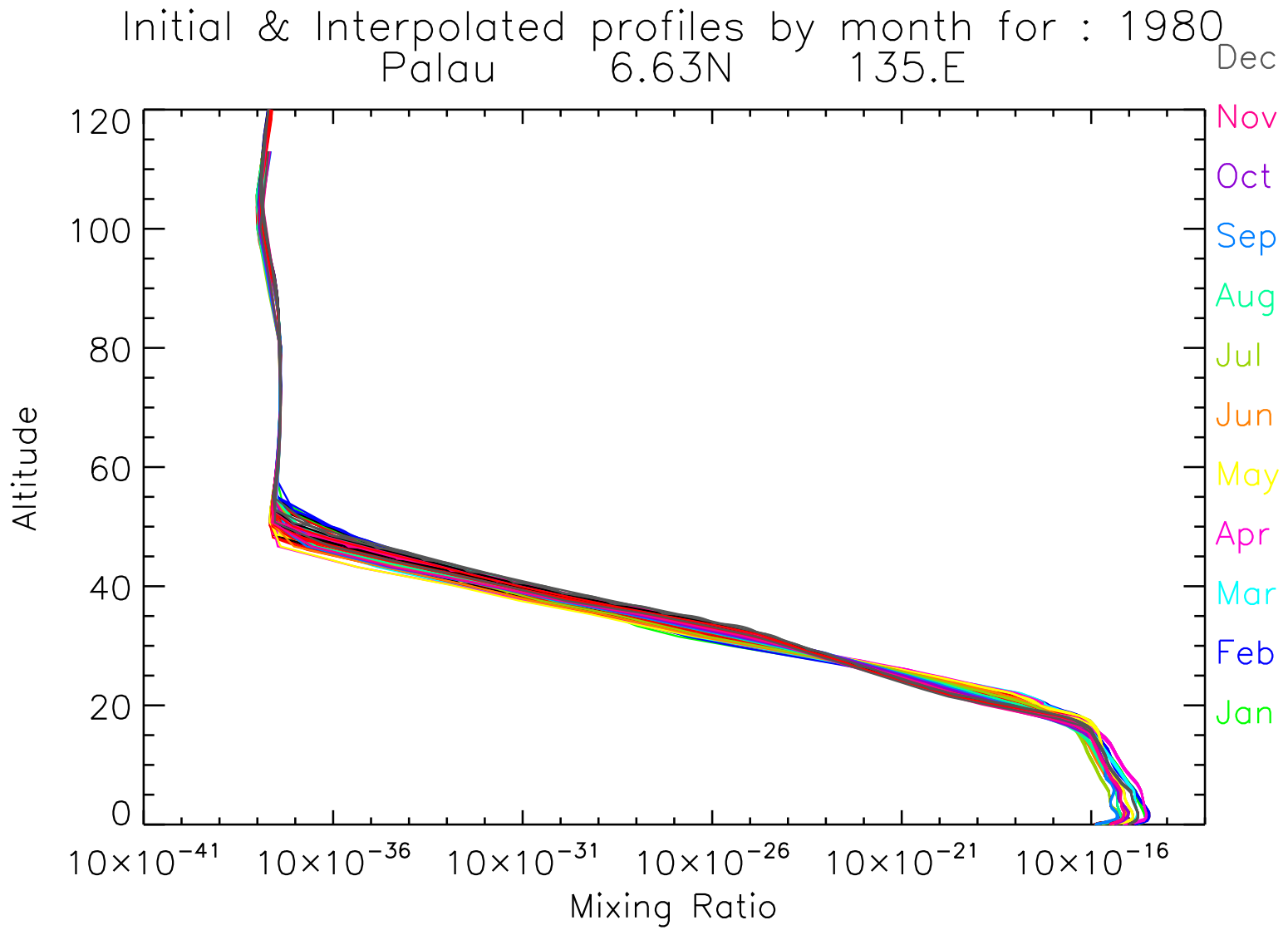
Initial & Interpolated profiles by month for : 1980
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
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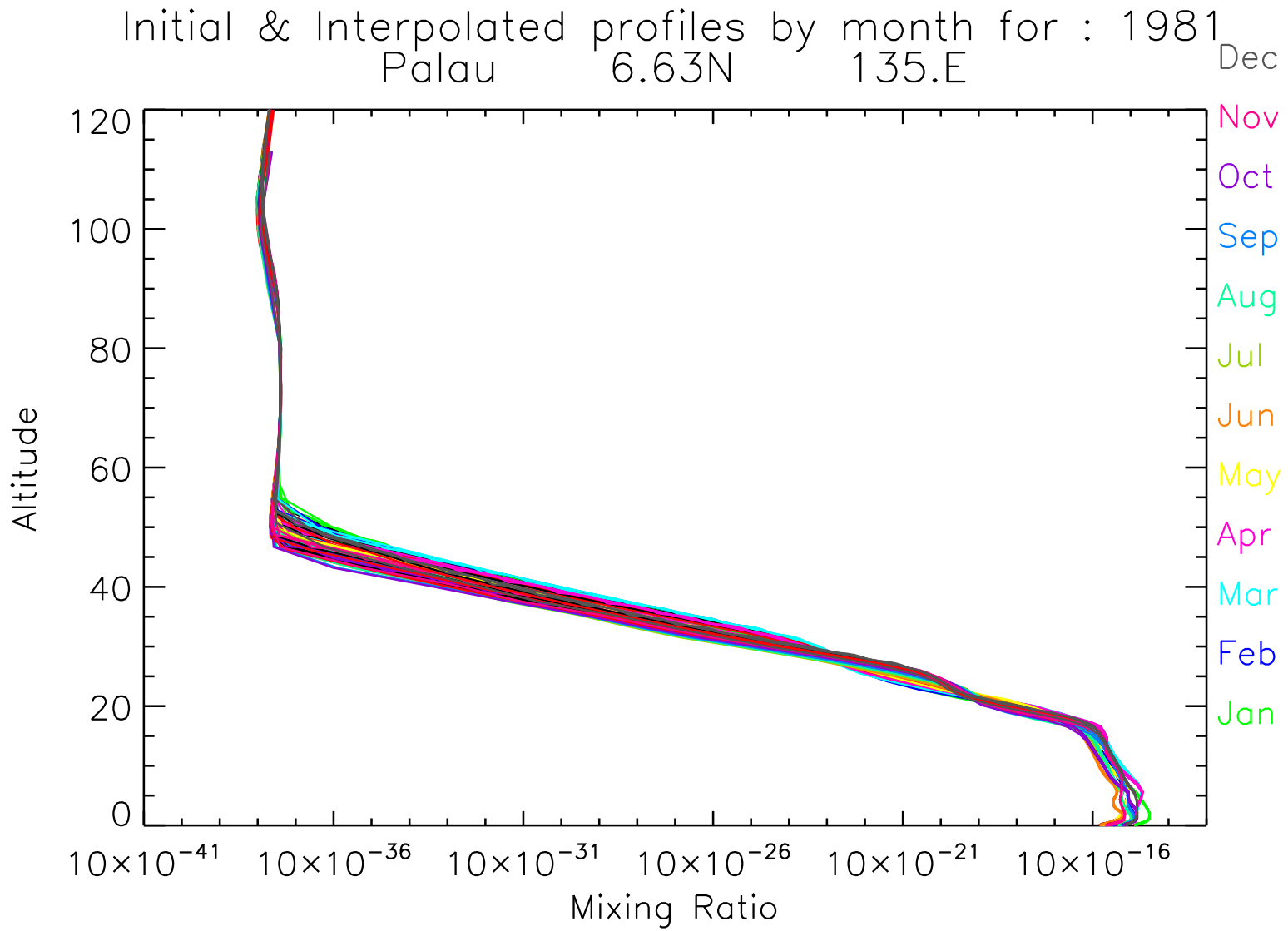
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
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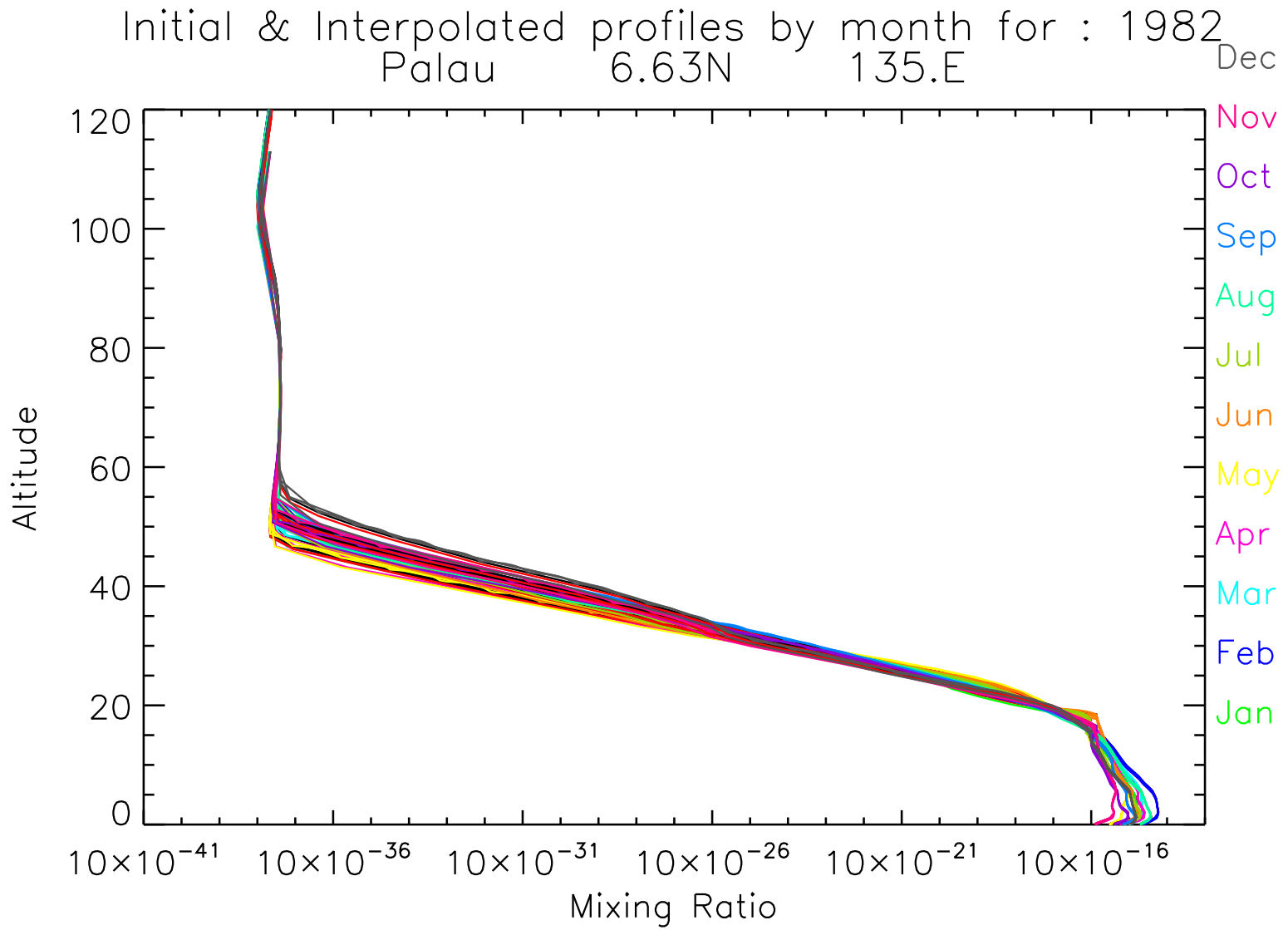
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
20
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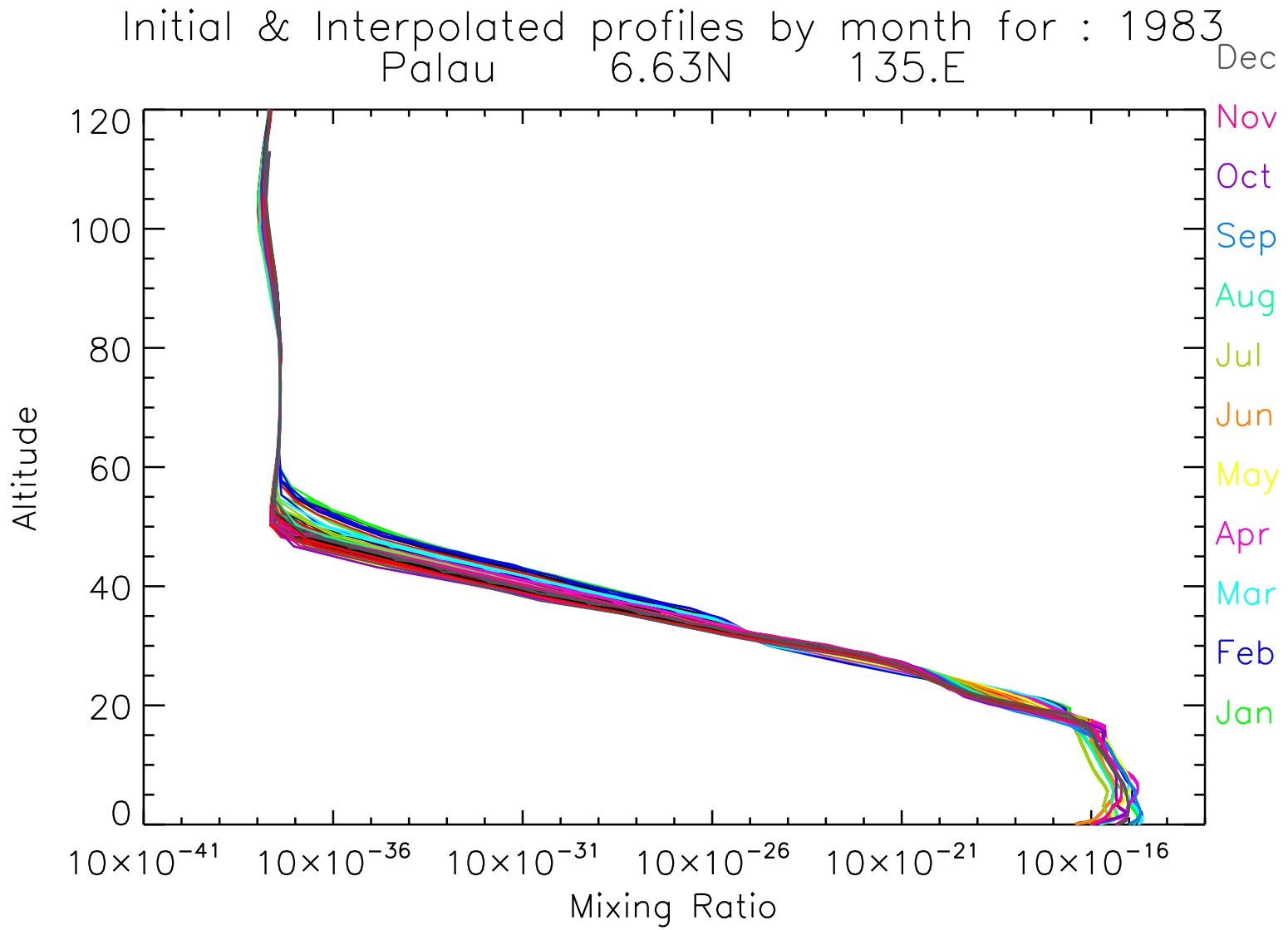
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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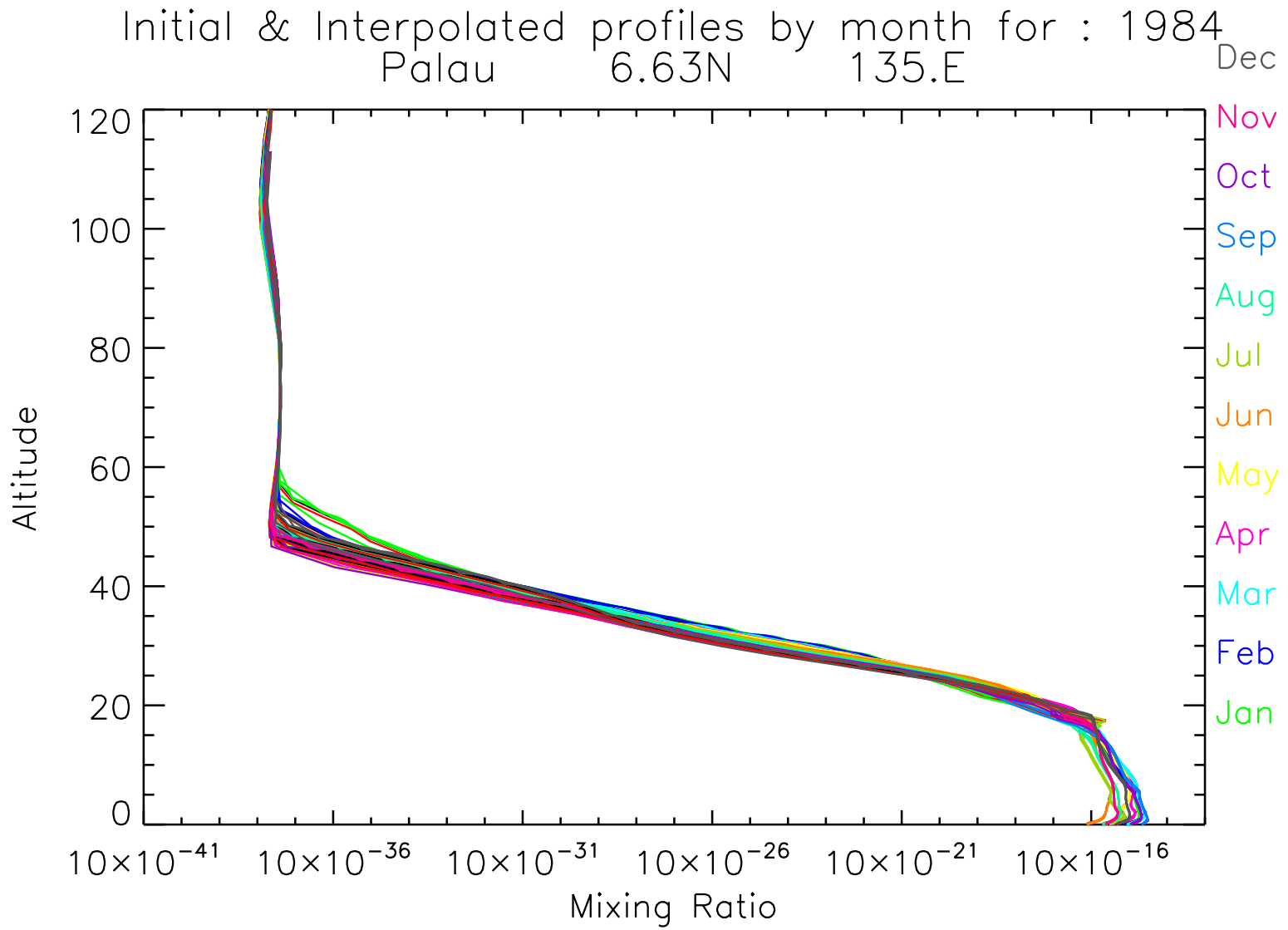
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
20
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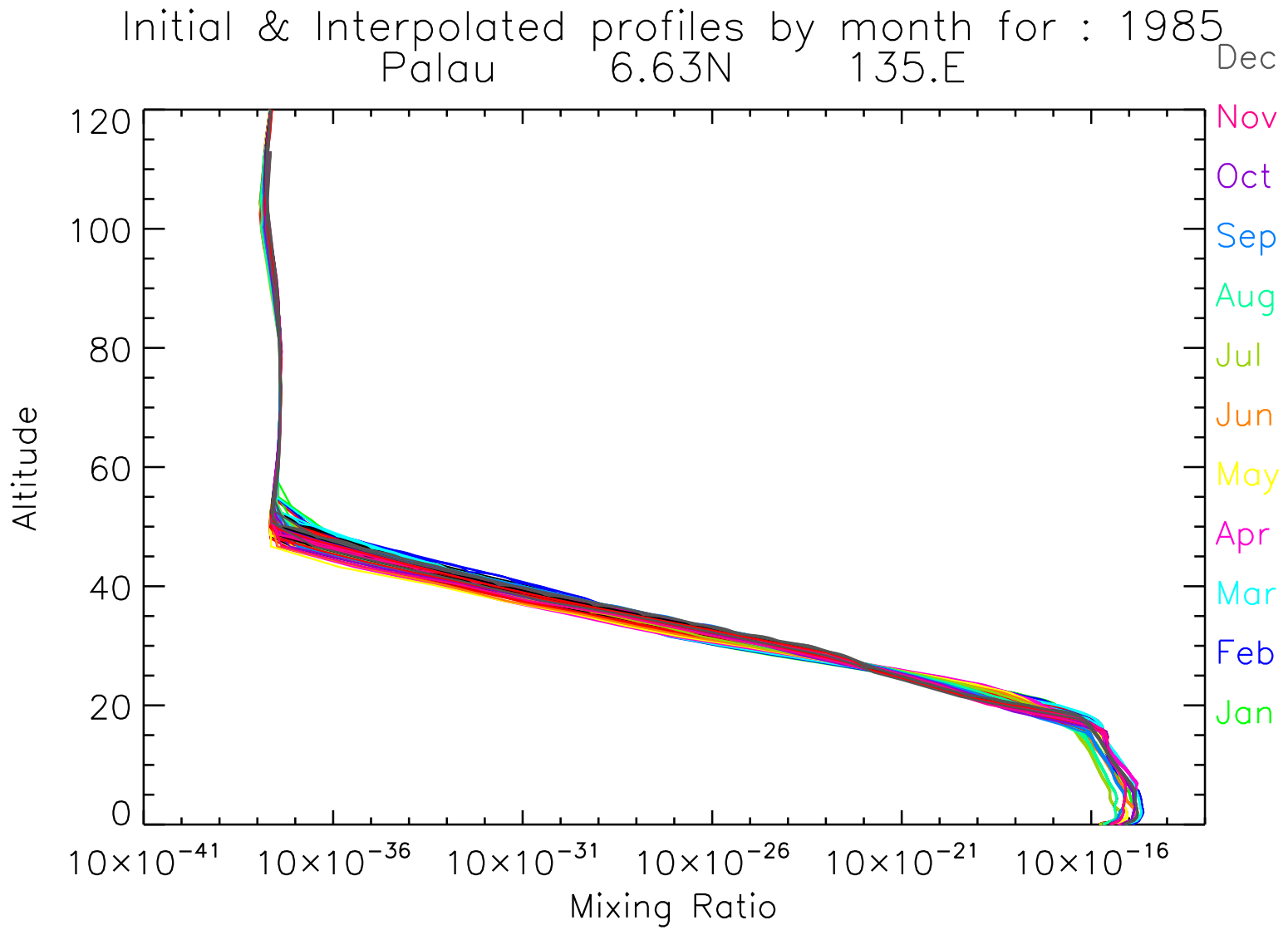
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
20
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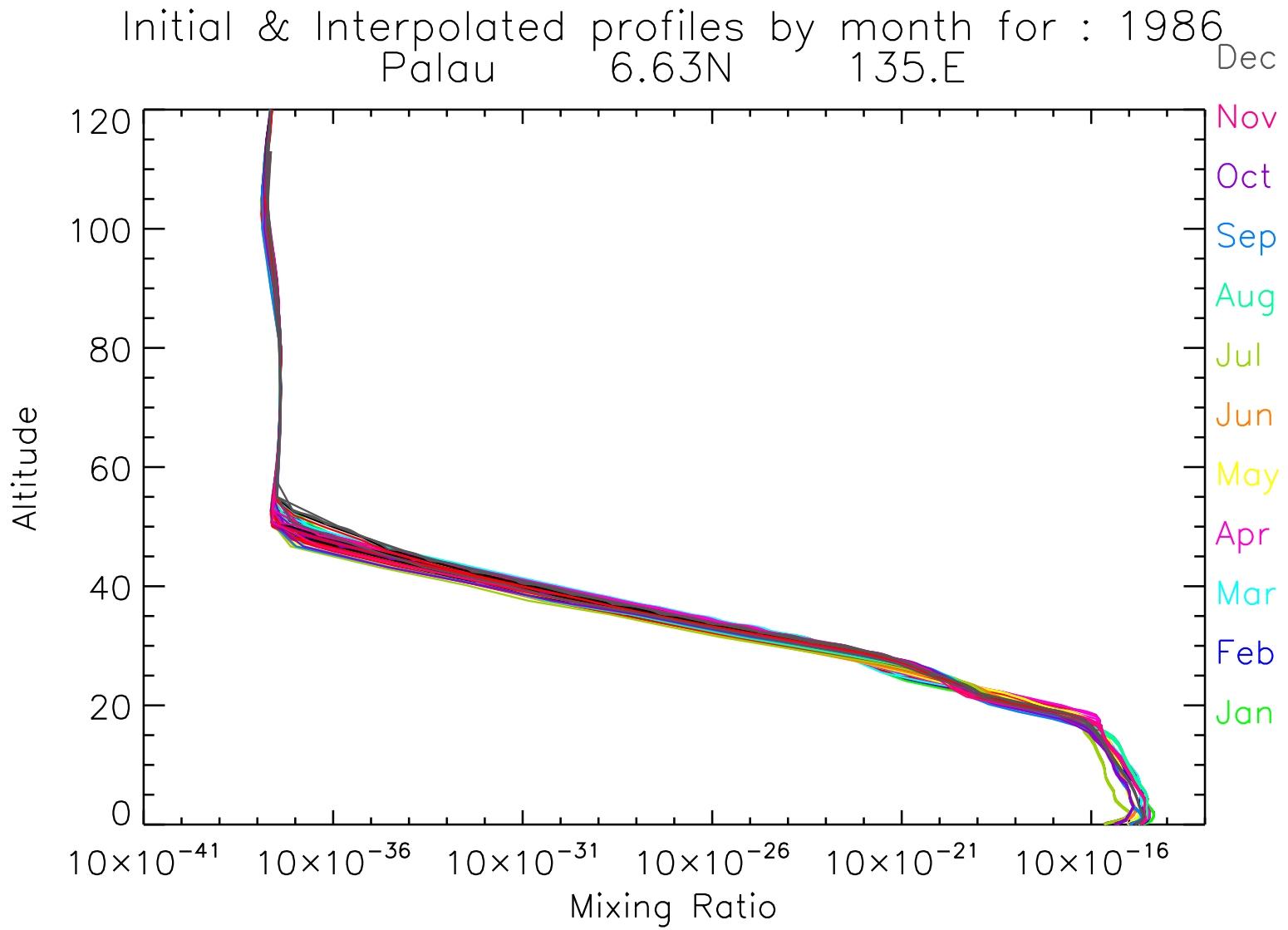
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
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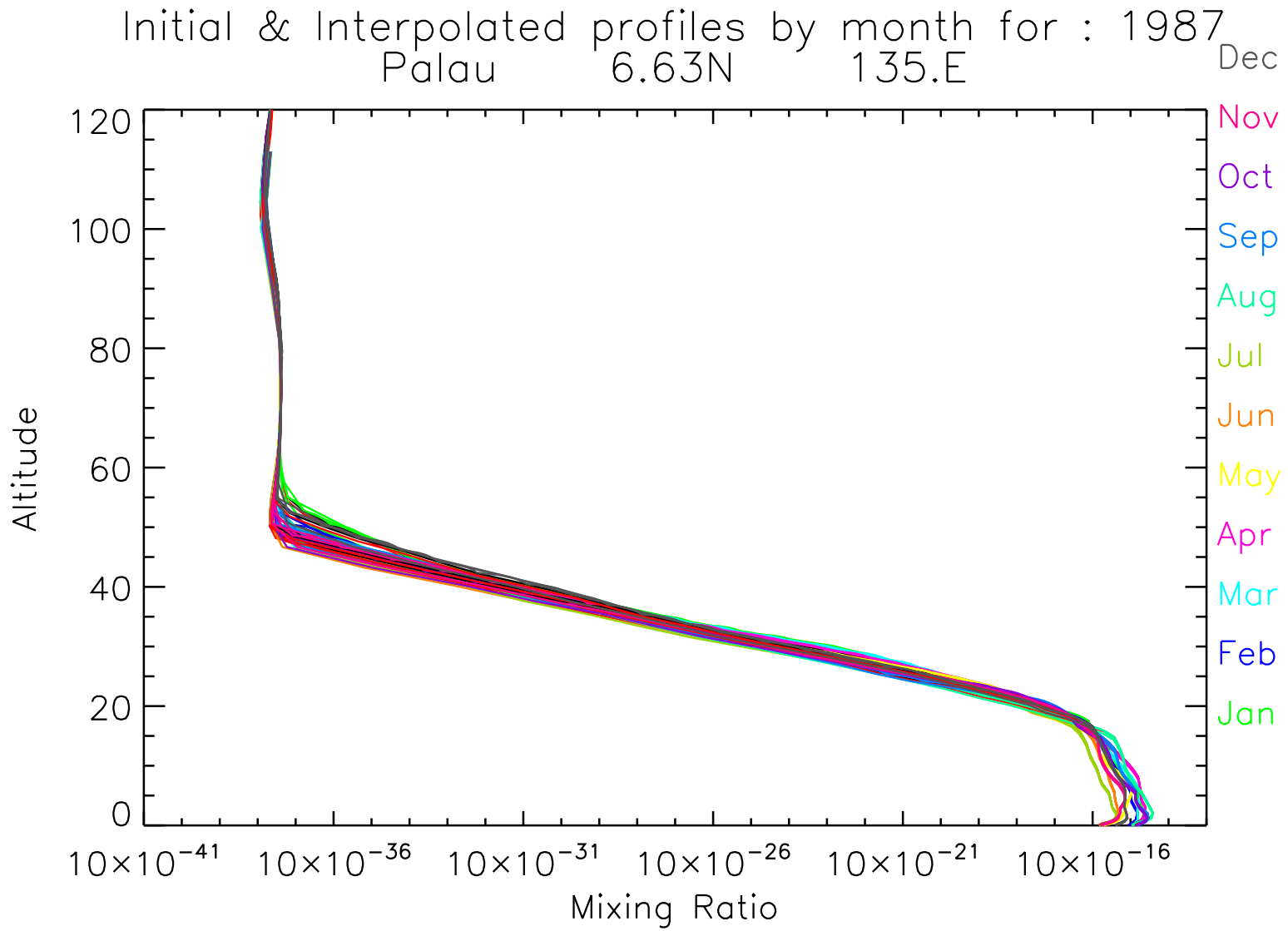
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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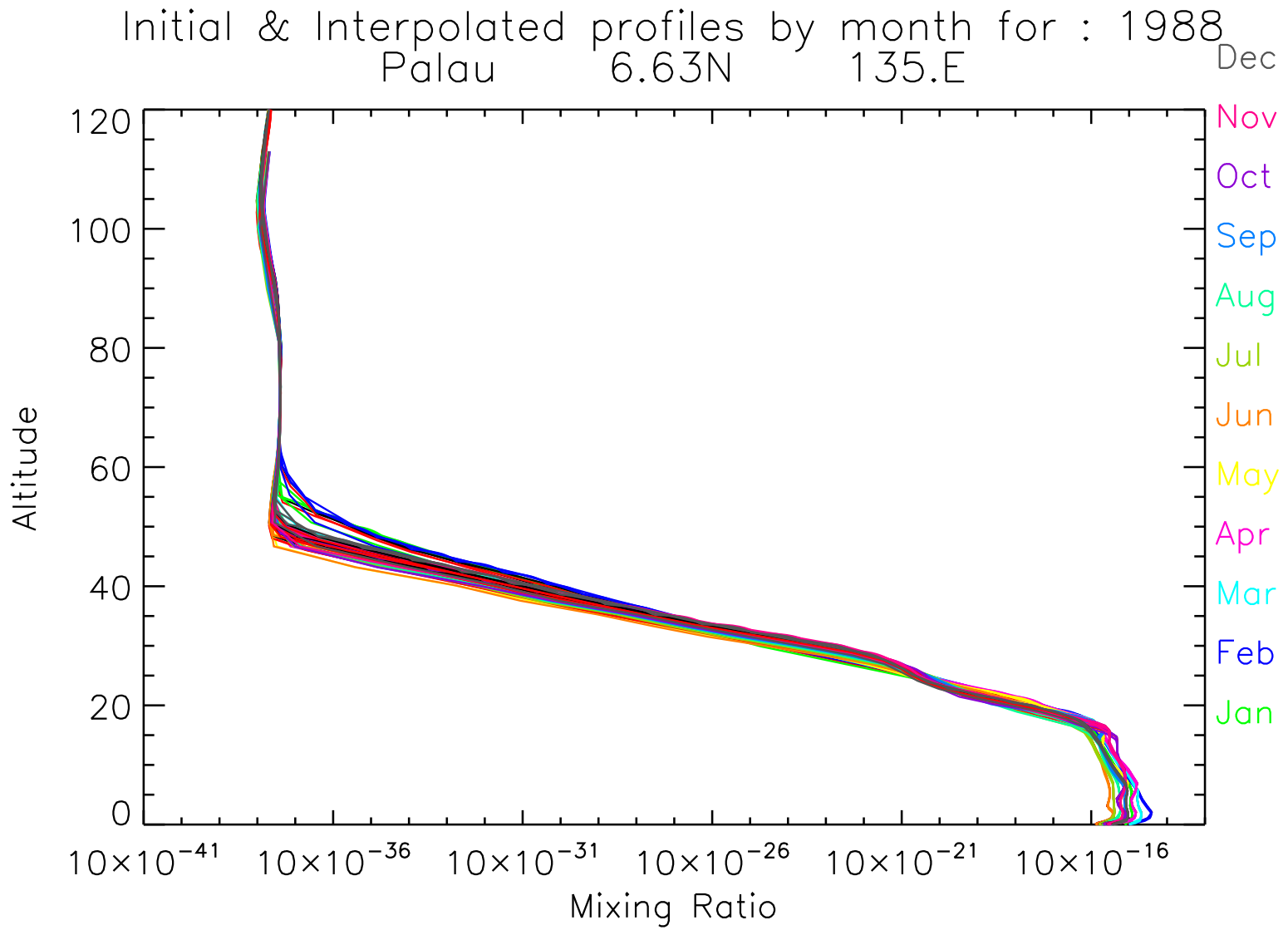
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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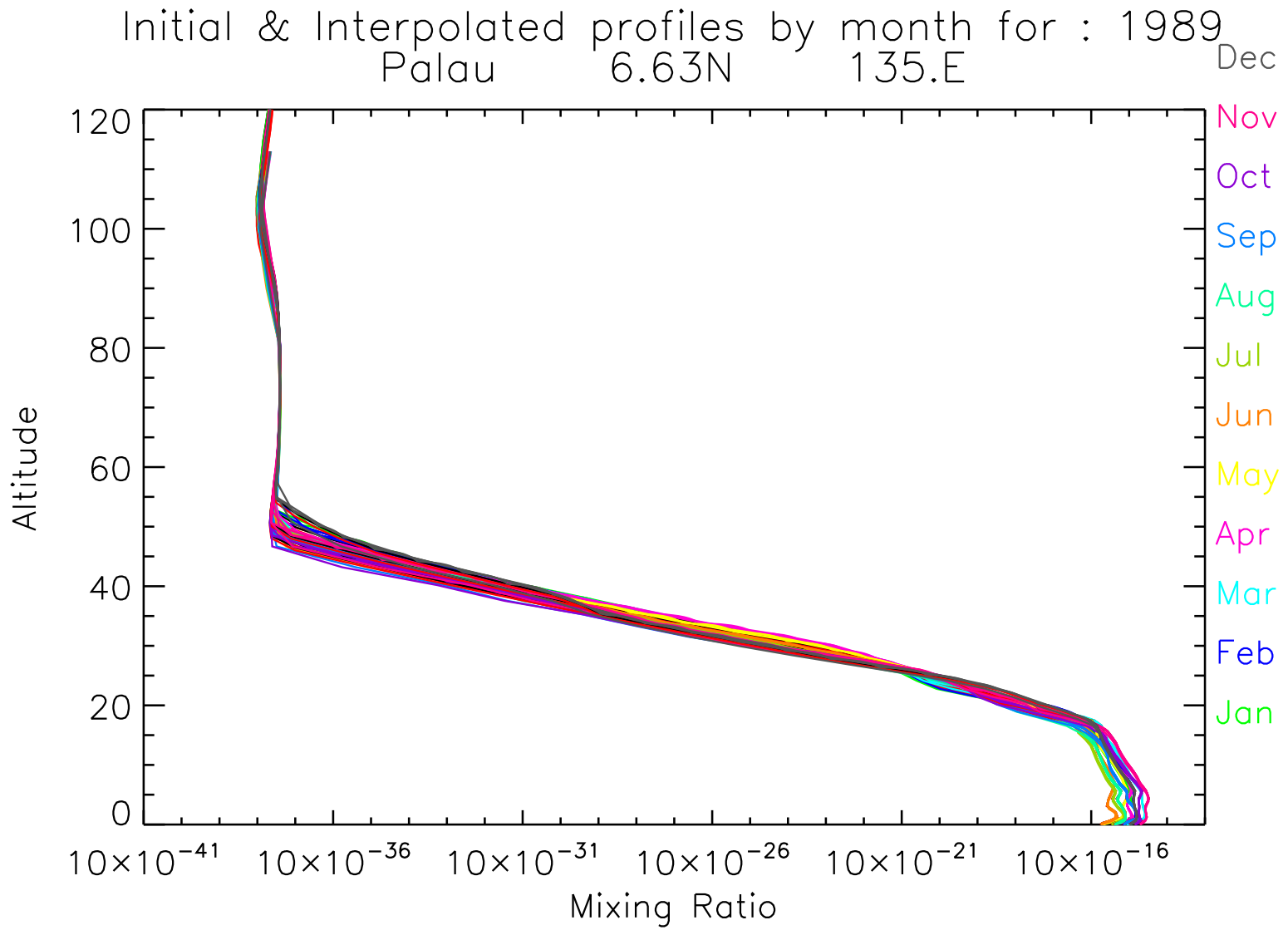
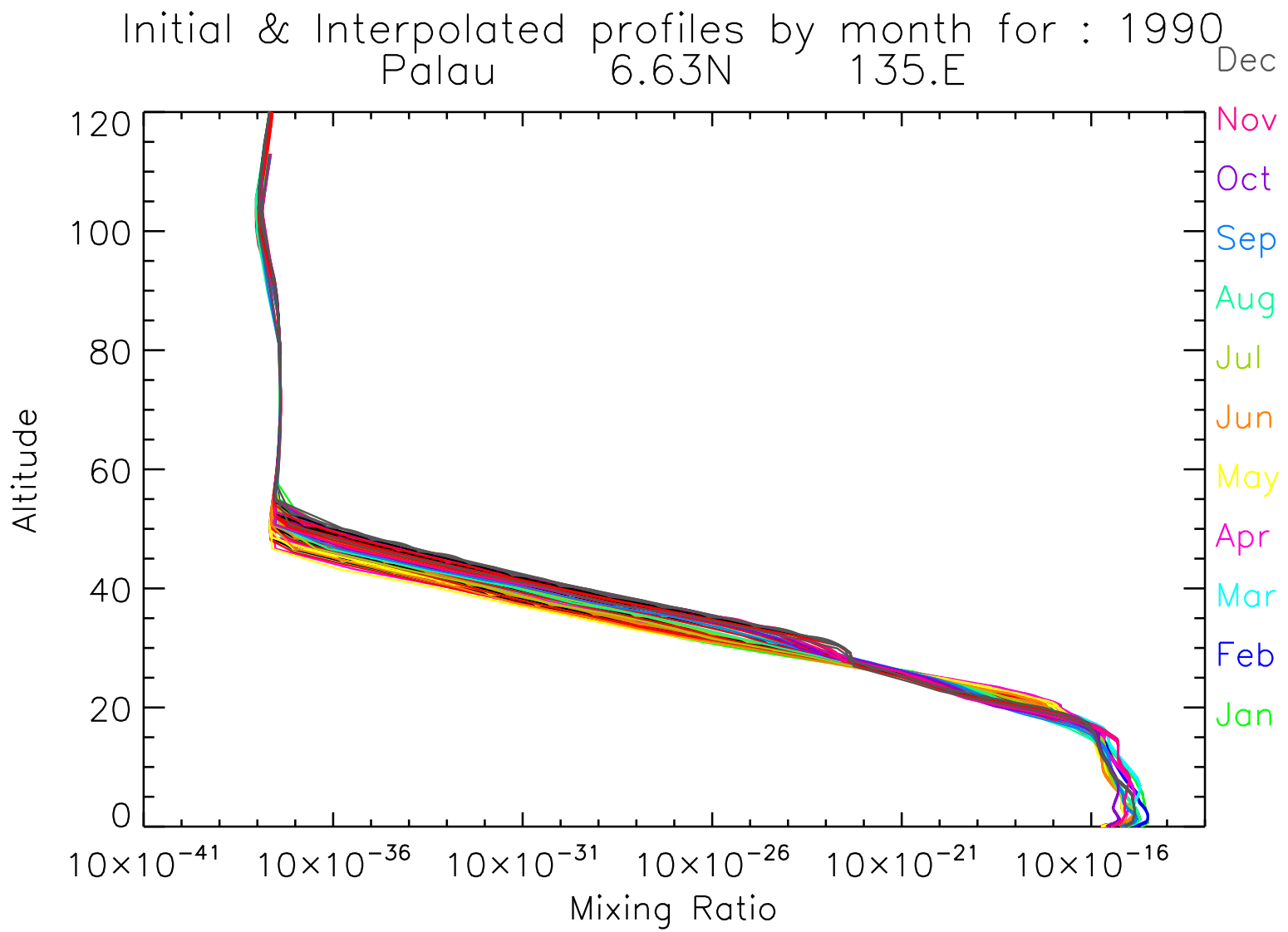
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
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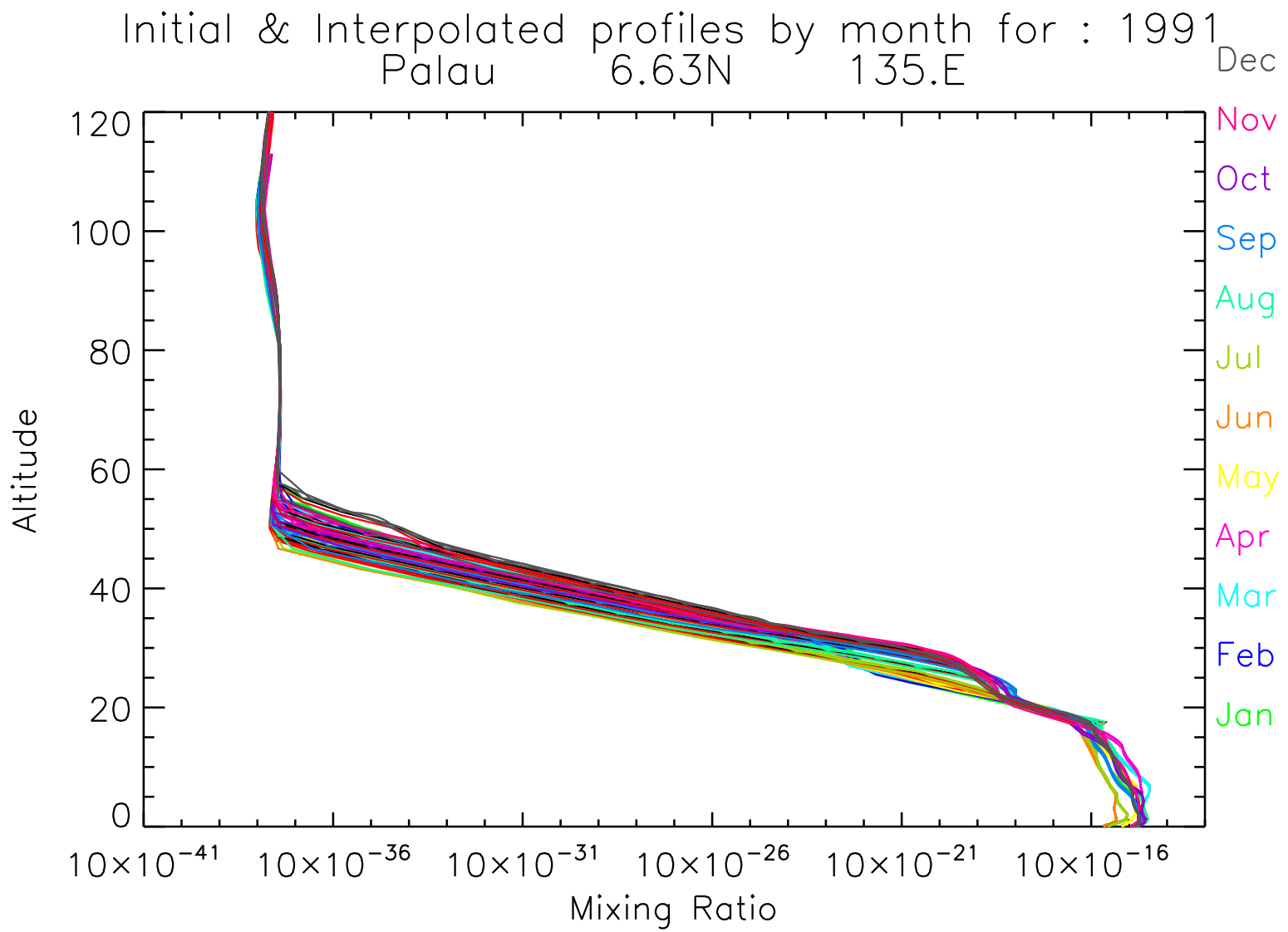
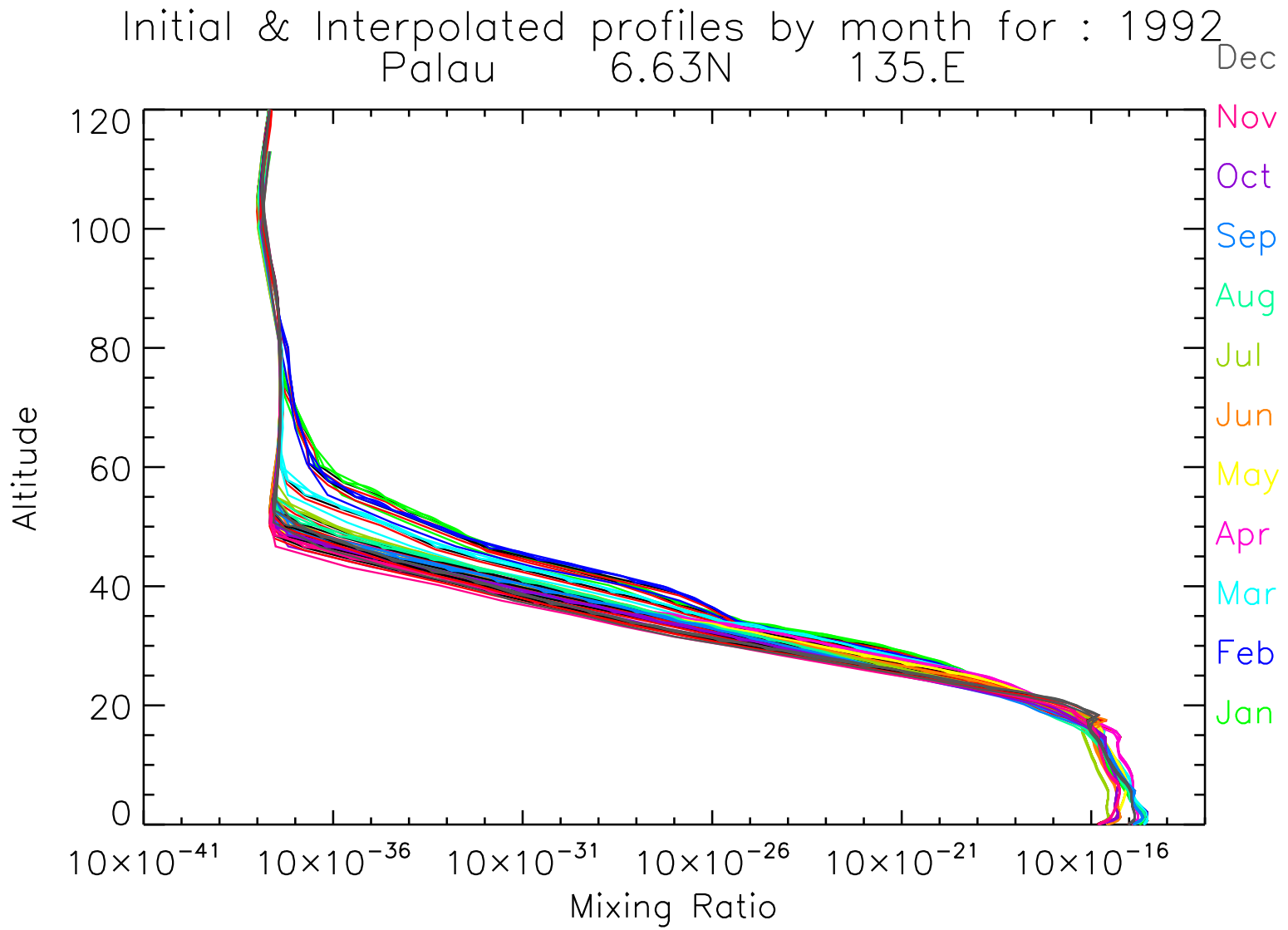
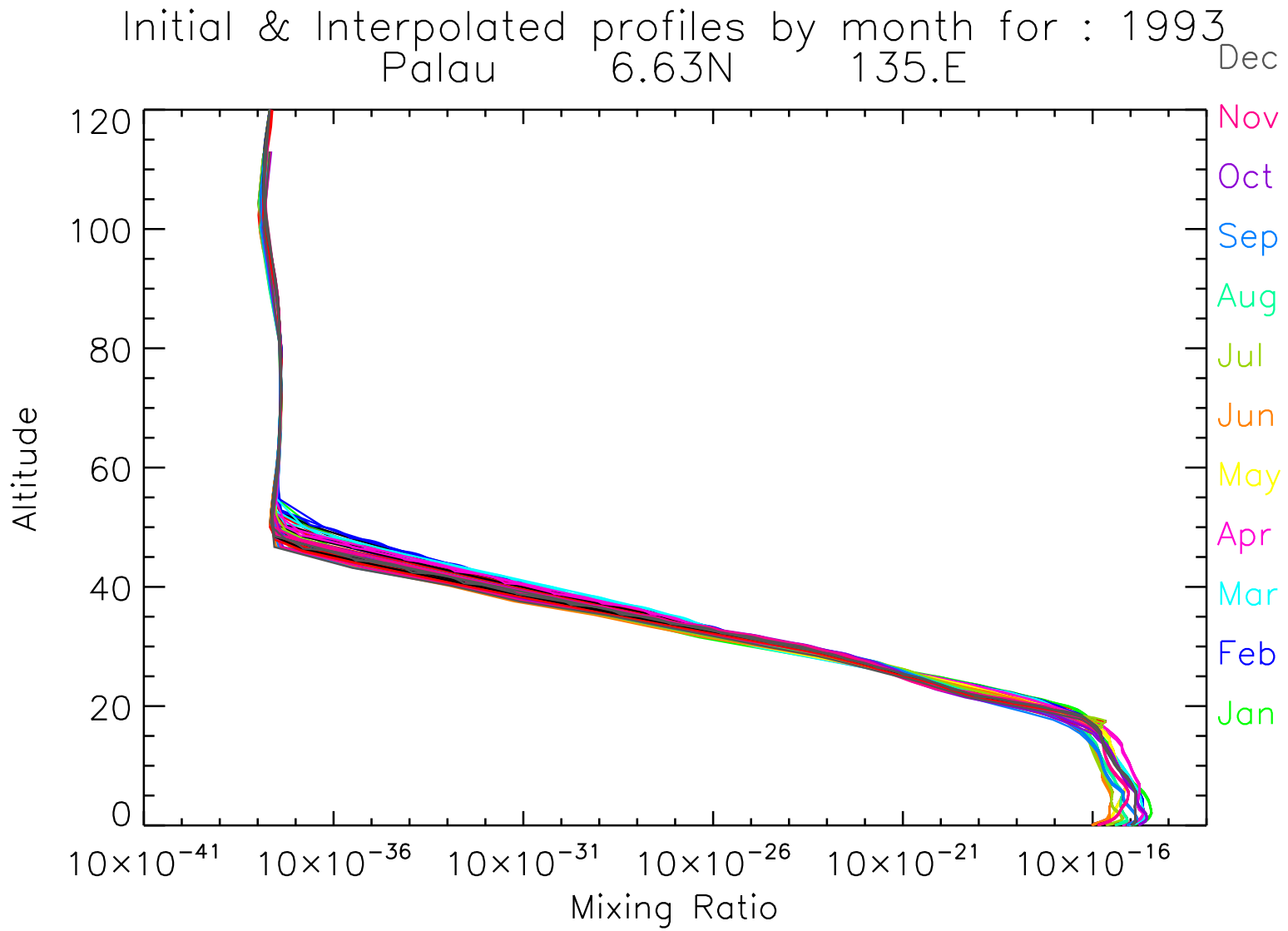
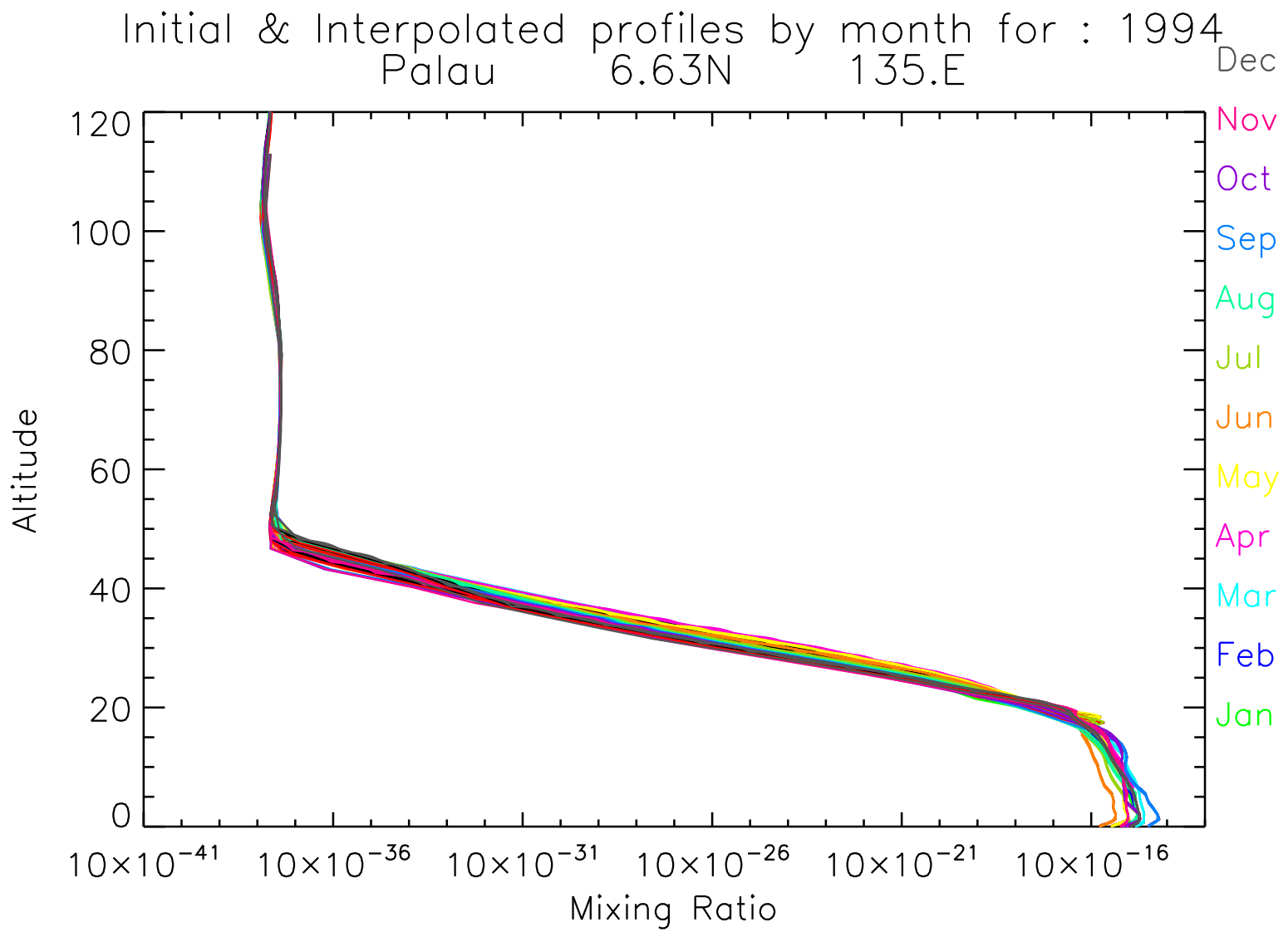
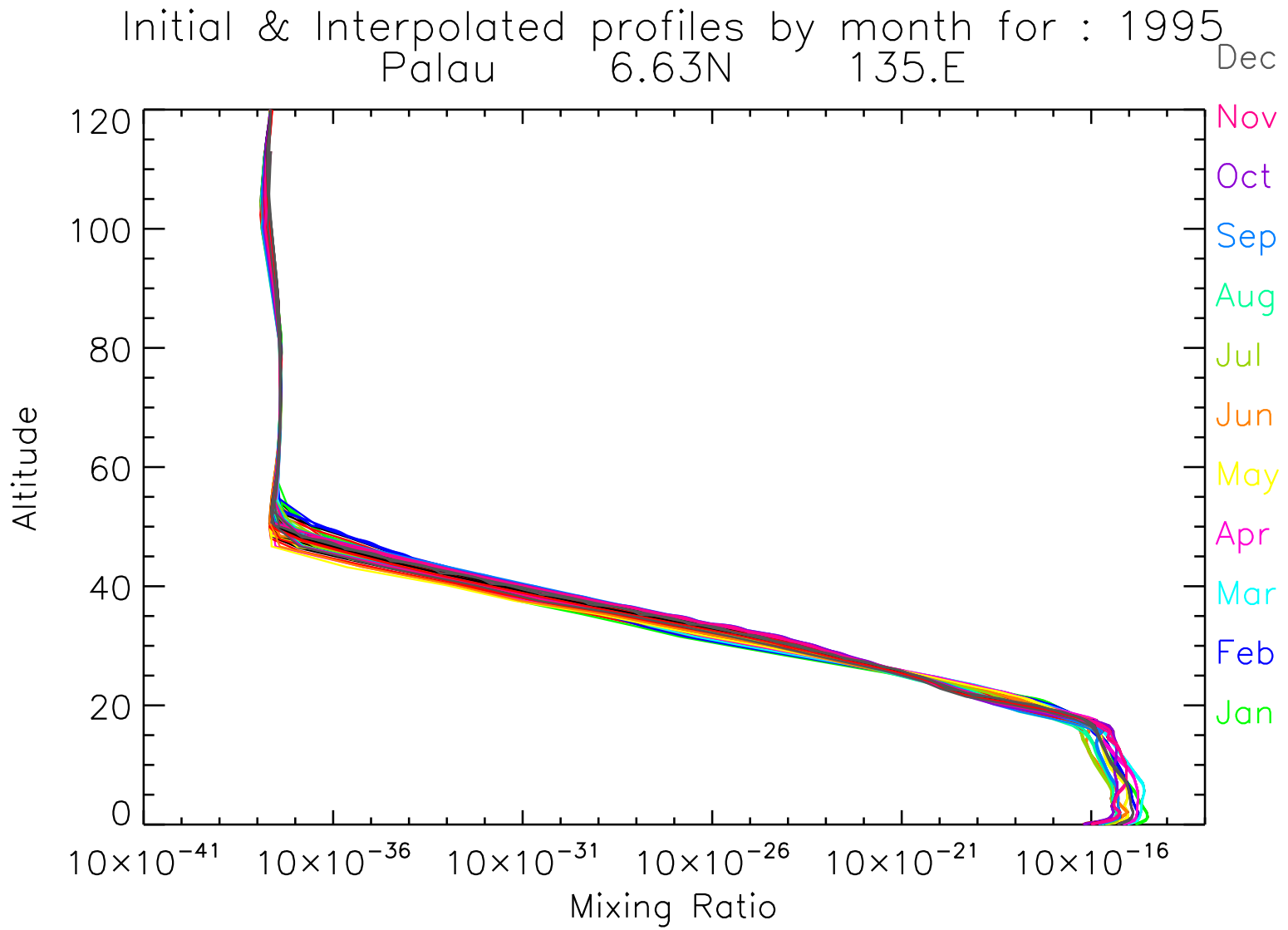
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

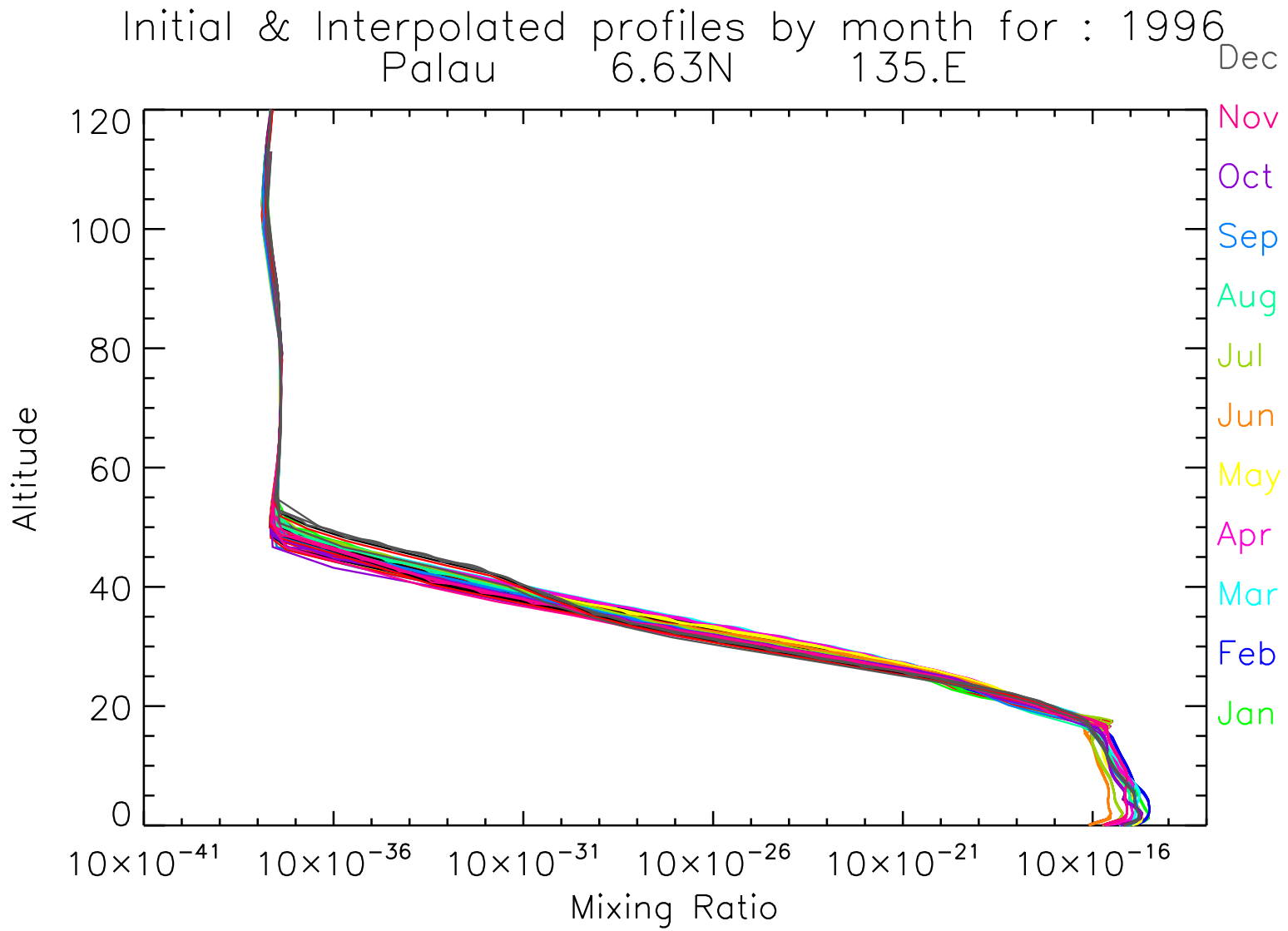

Initial & Interpolated profiles by month for : 1991
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

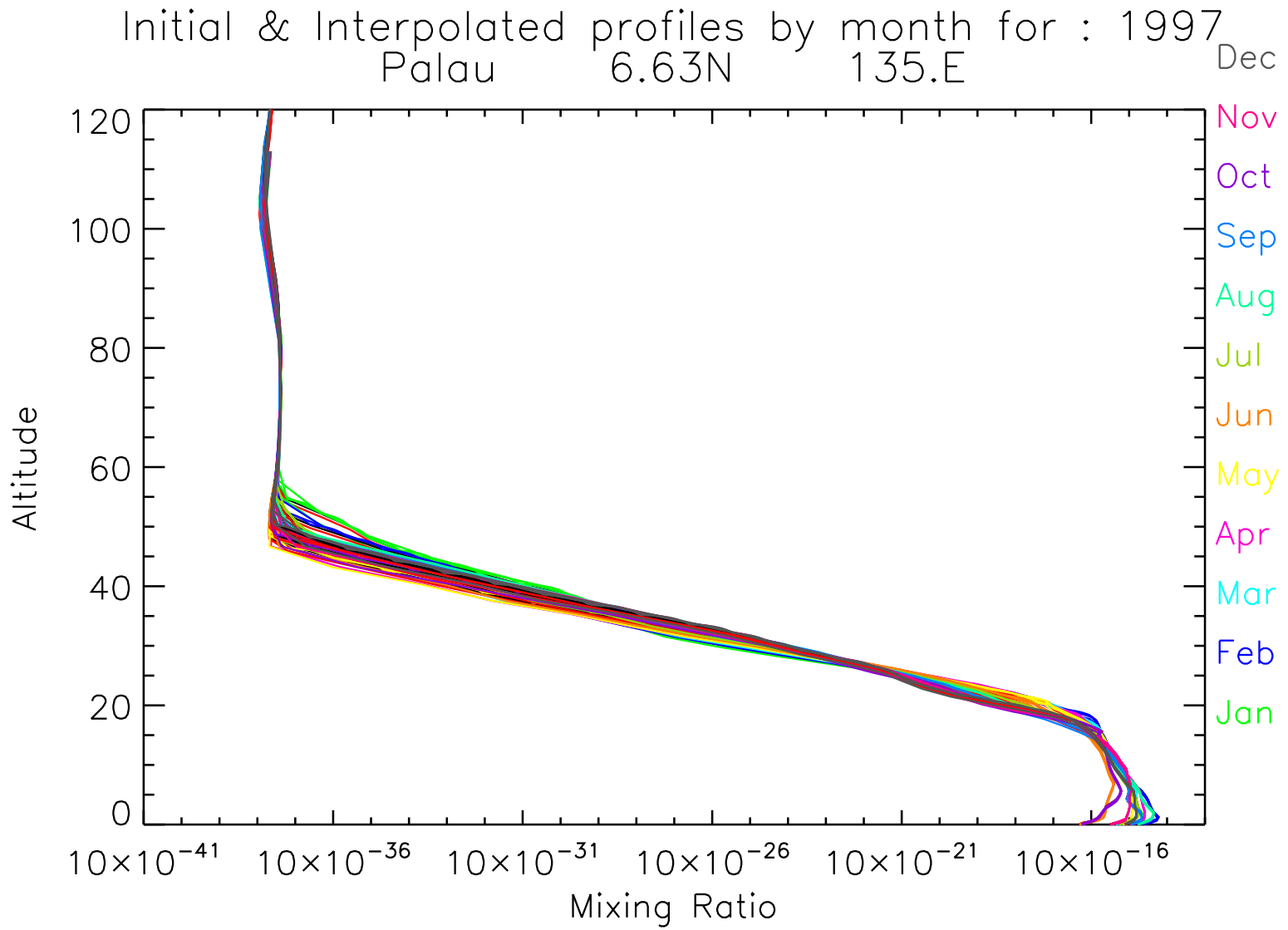

Initial & Interpolated profiles by month for : 1992
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

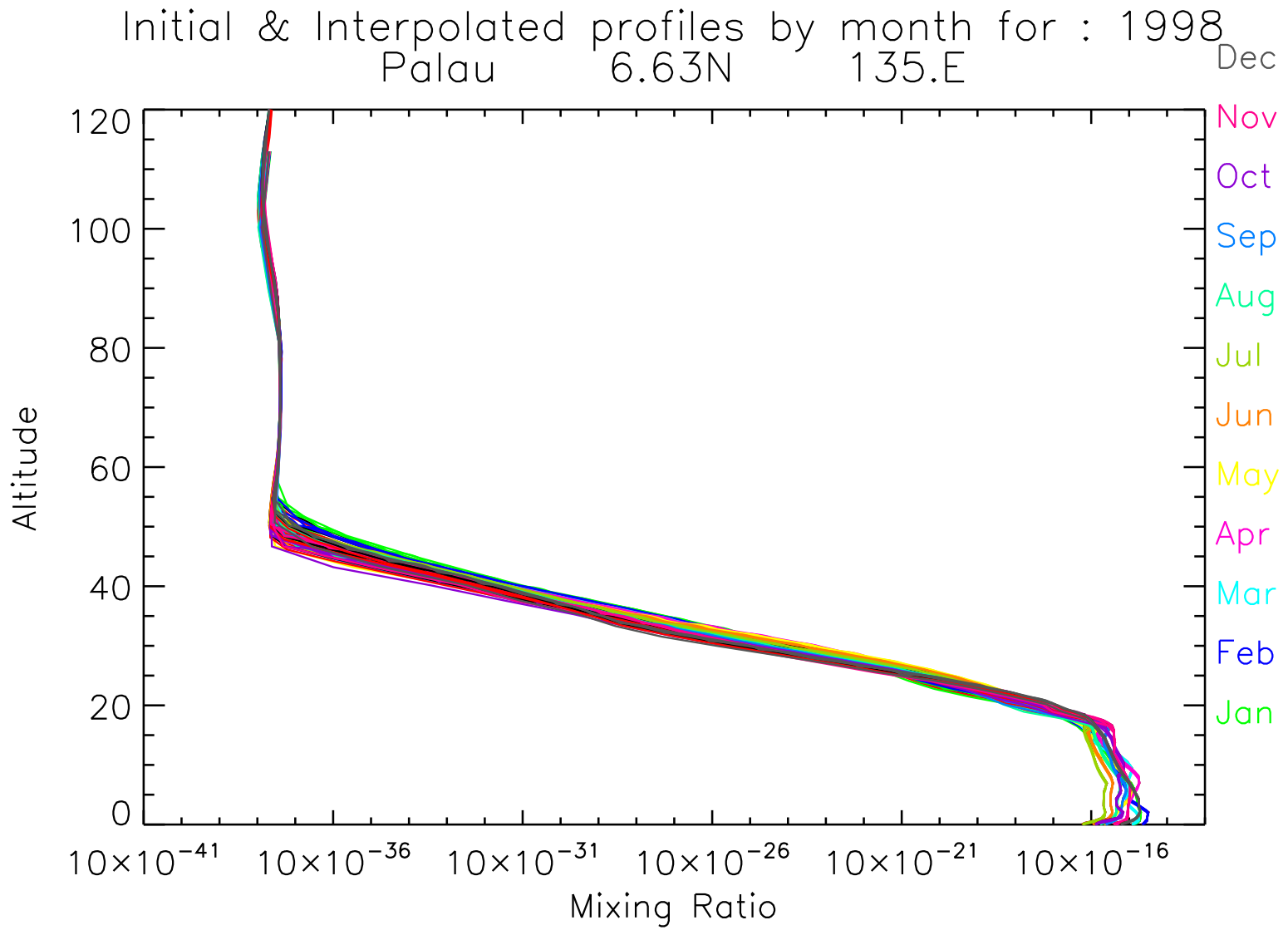

Initial & Interpolated profiles by month for : 1993
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

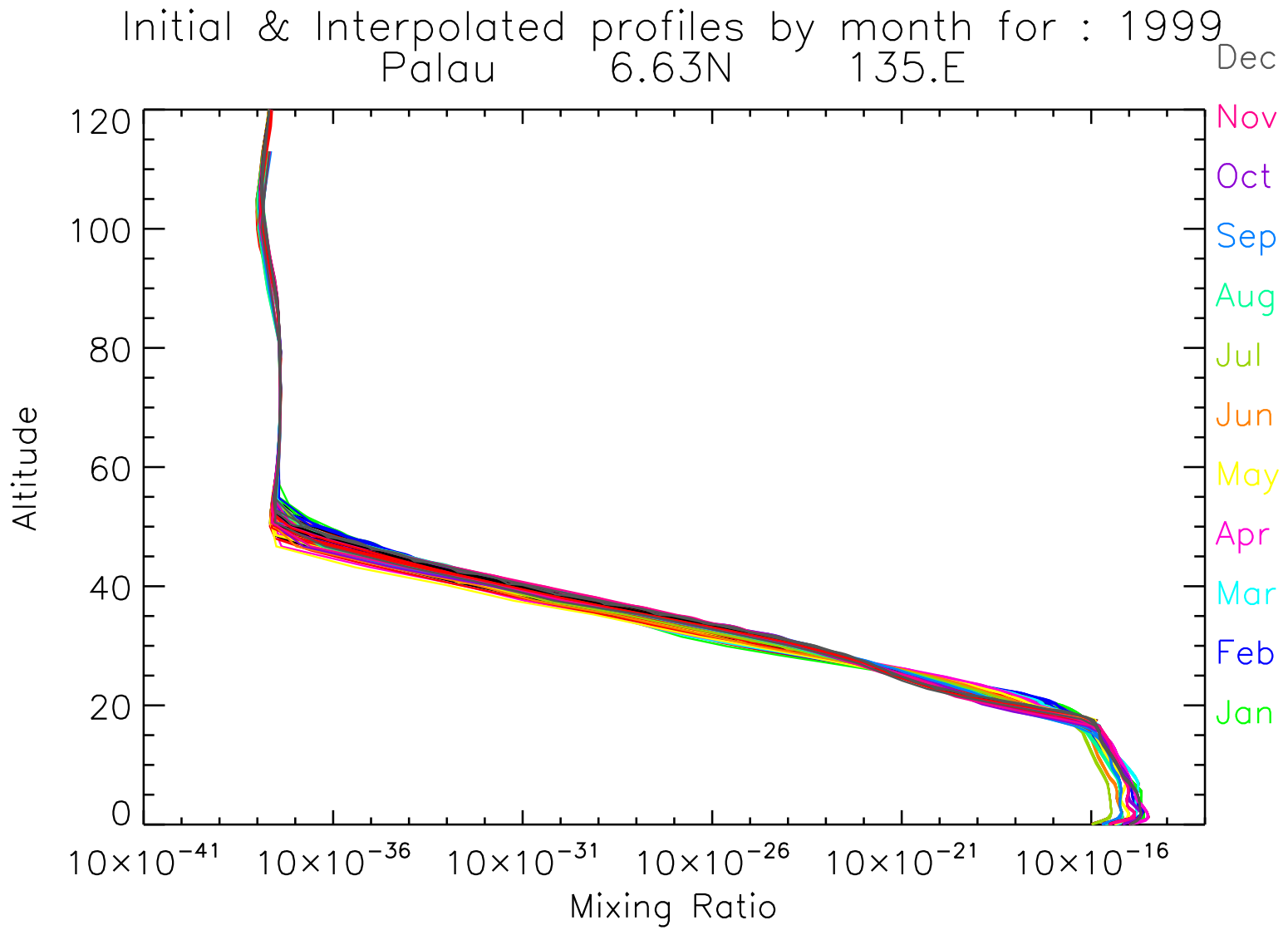

Initial & Interpolated profiles by month for : 1994
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

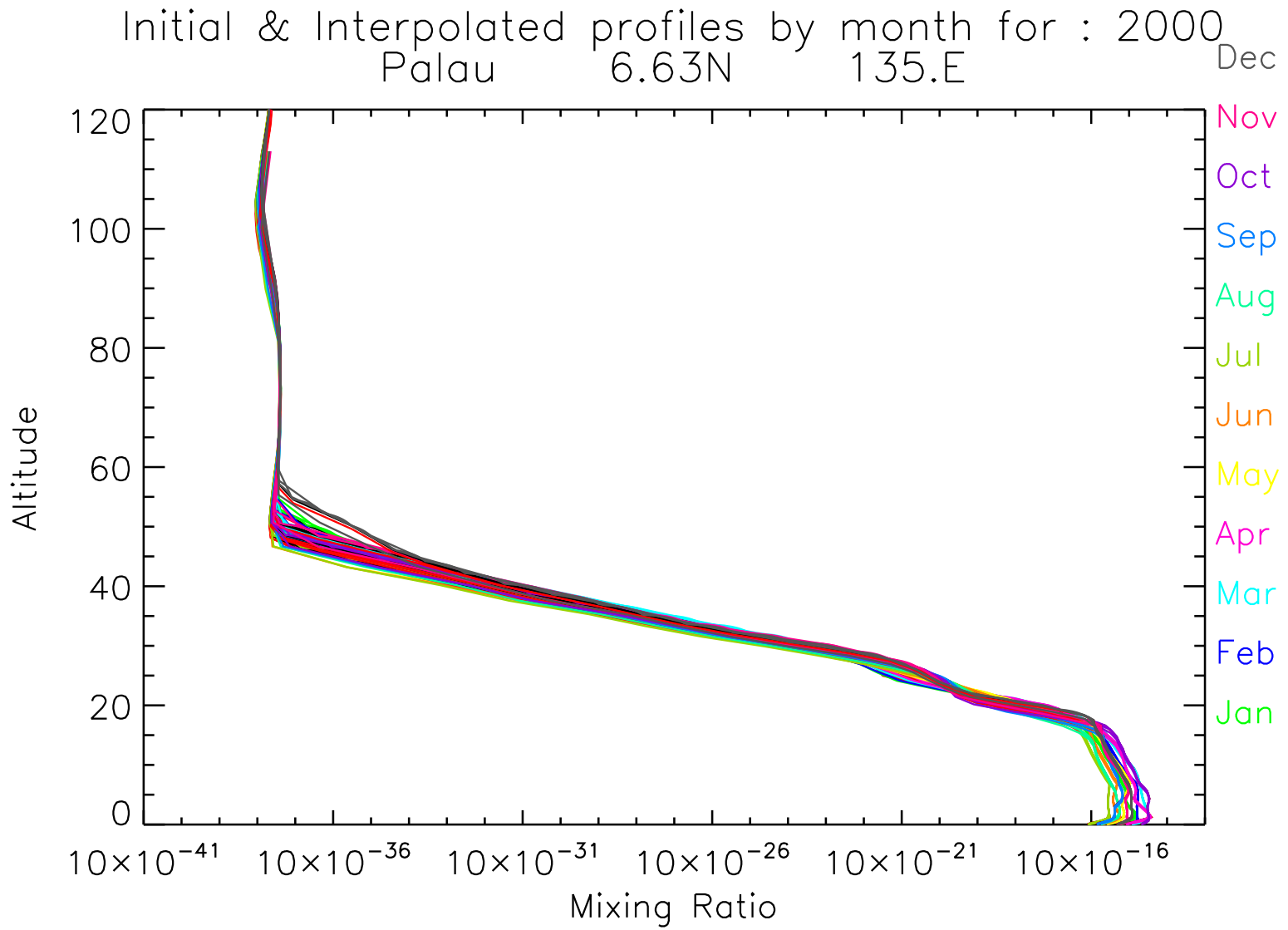

Initial & Interpolated profiles by month for : 1995
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

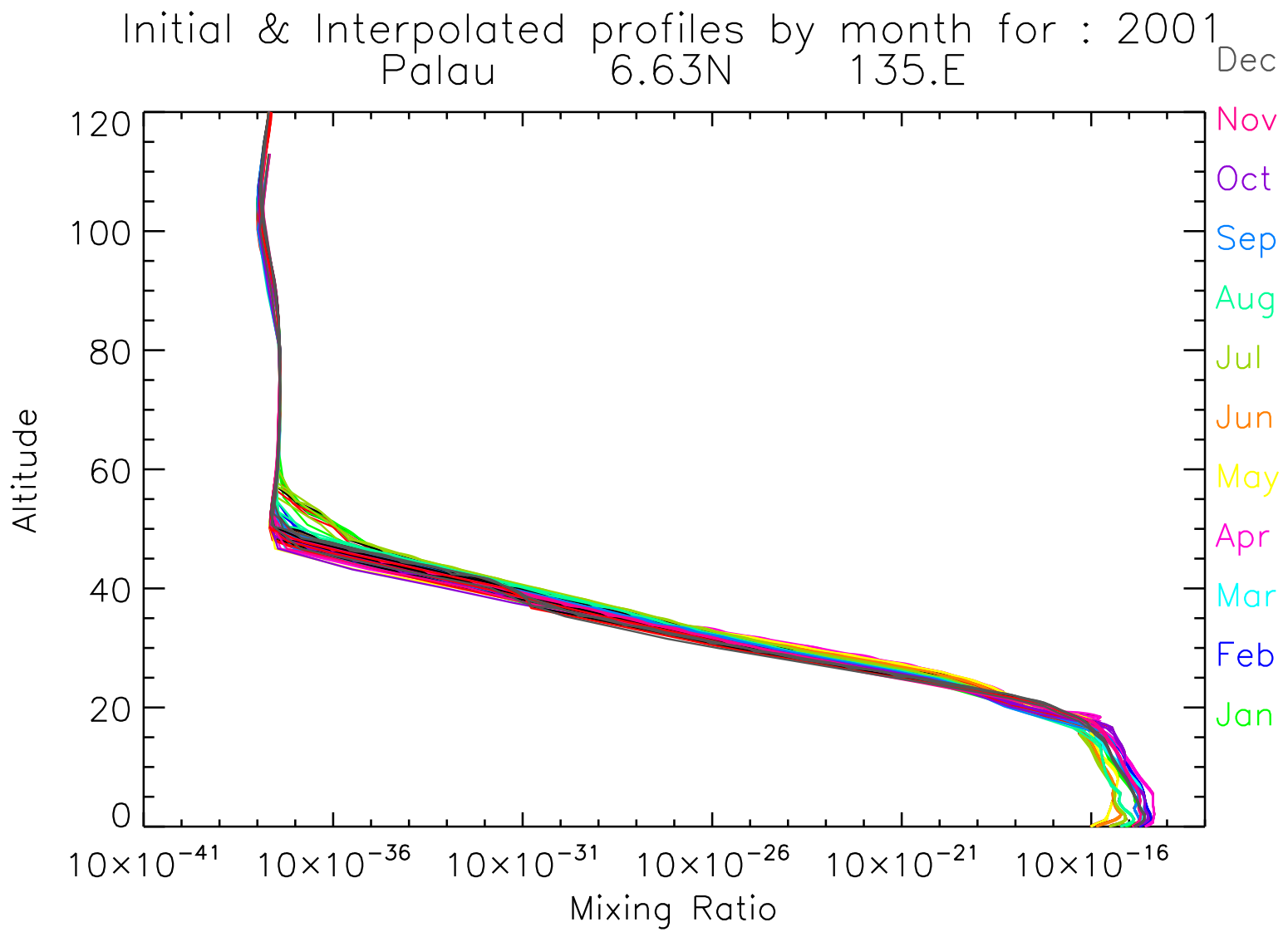

Initial & Interpolated profiles by month for : 1996
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

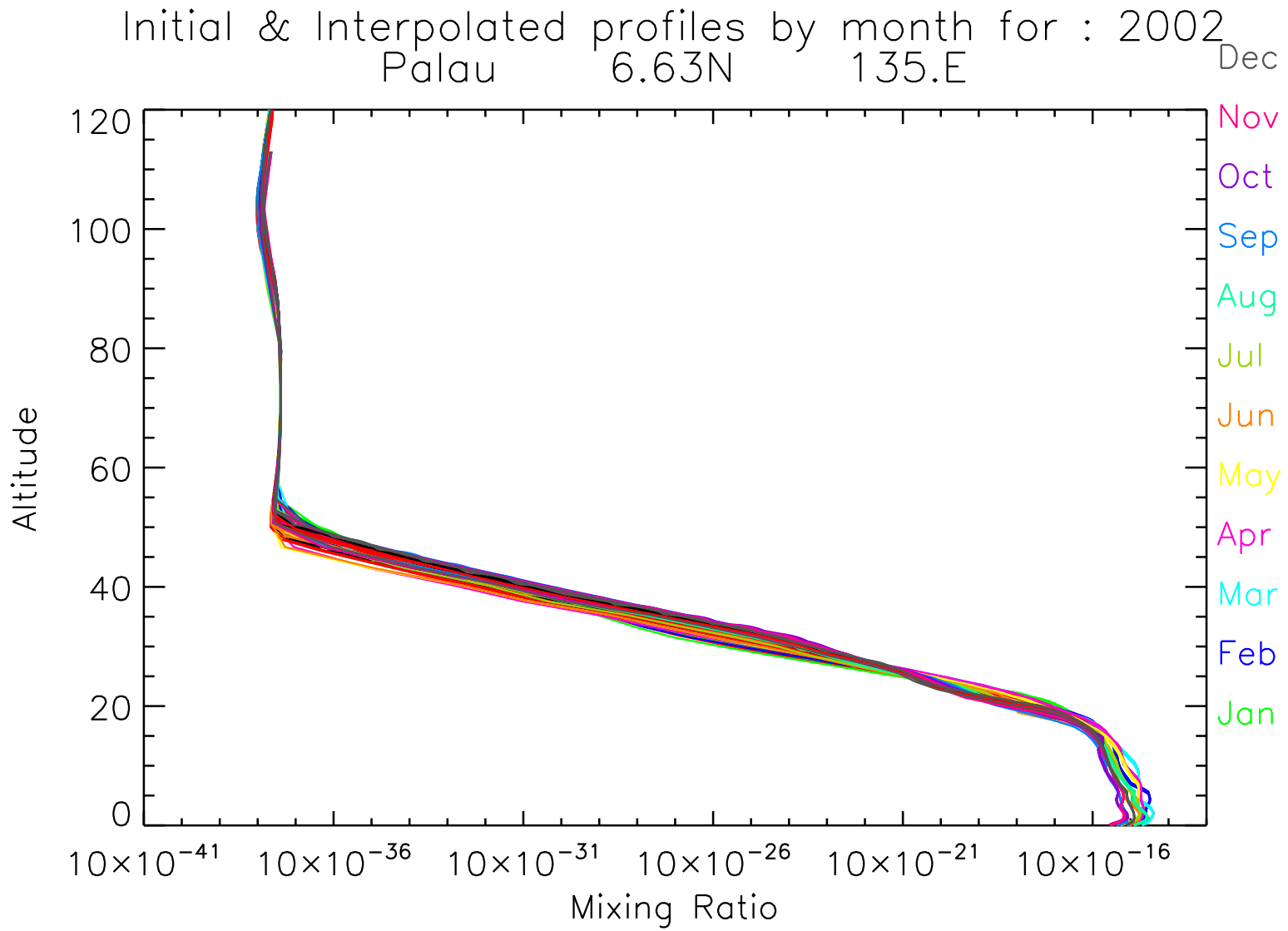

Initial & Interpolated profiles by month for : 1997
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

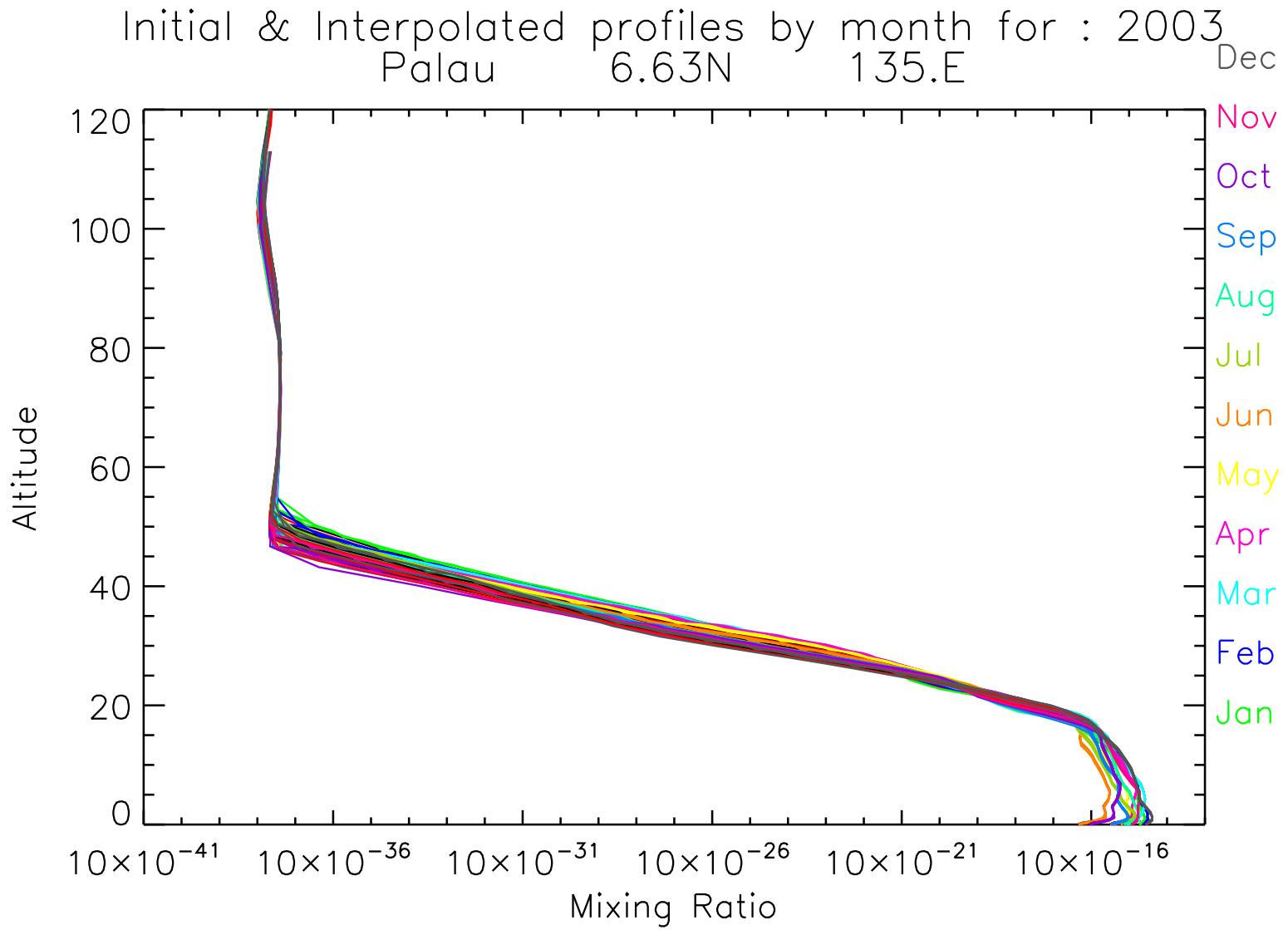

Initial & Interpolated profiles by month for : 1998
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

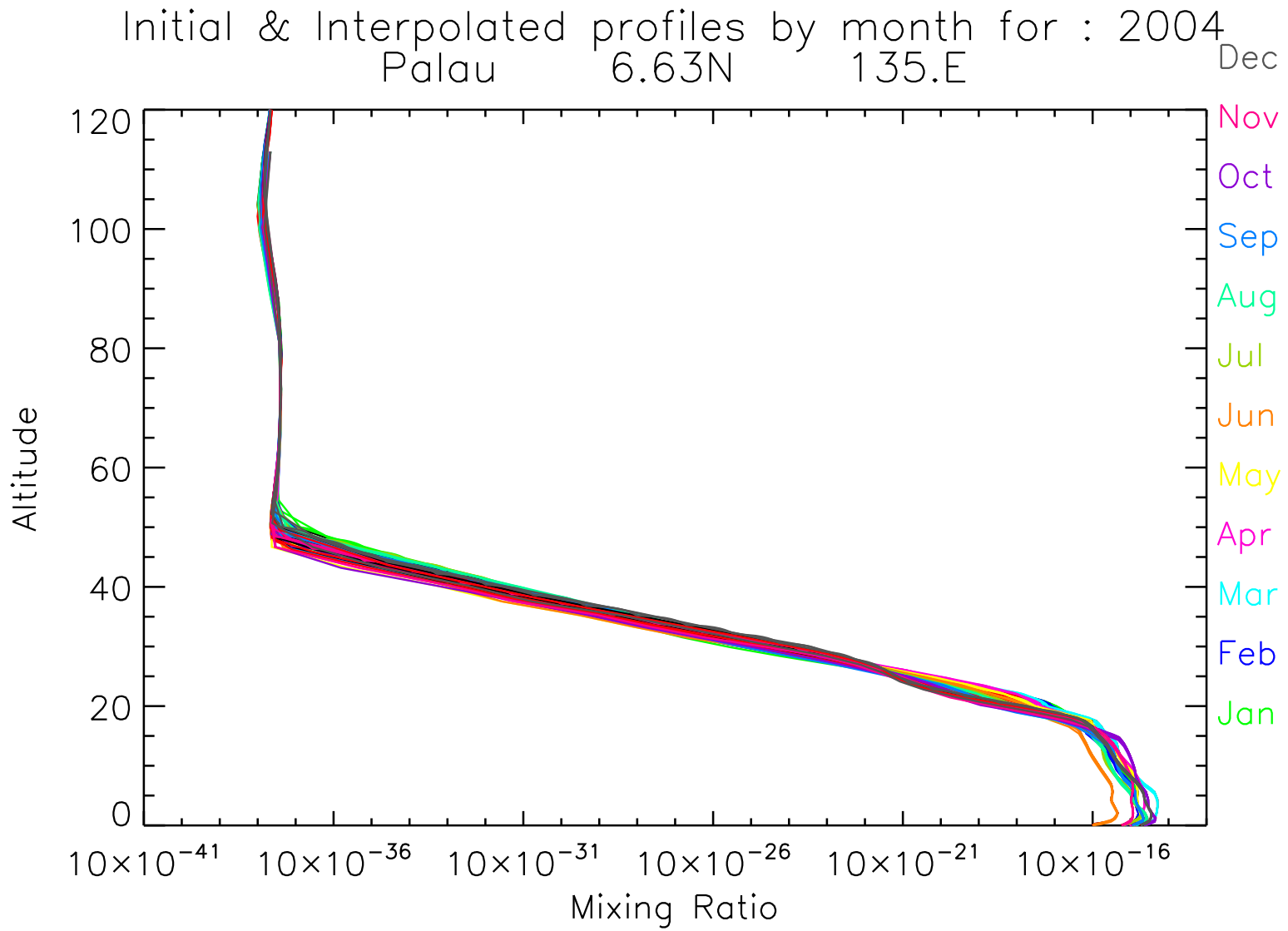

Initial & Interpolated profiles by month for : 1999
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

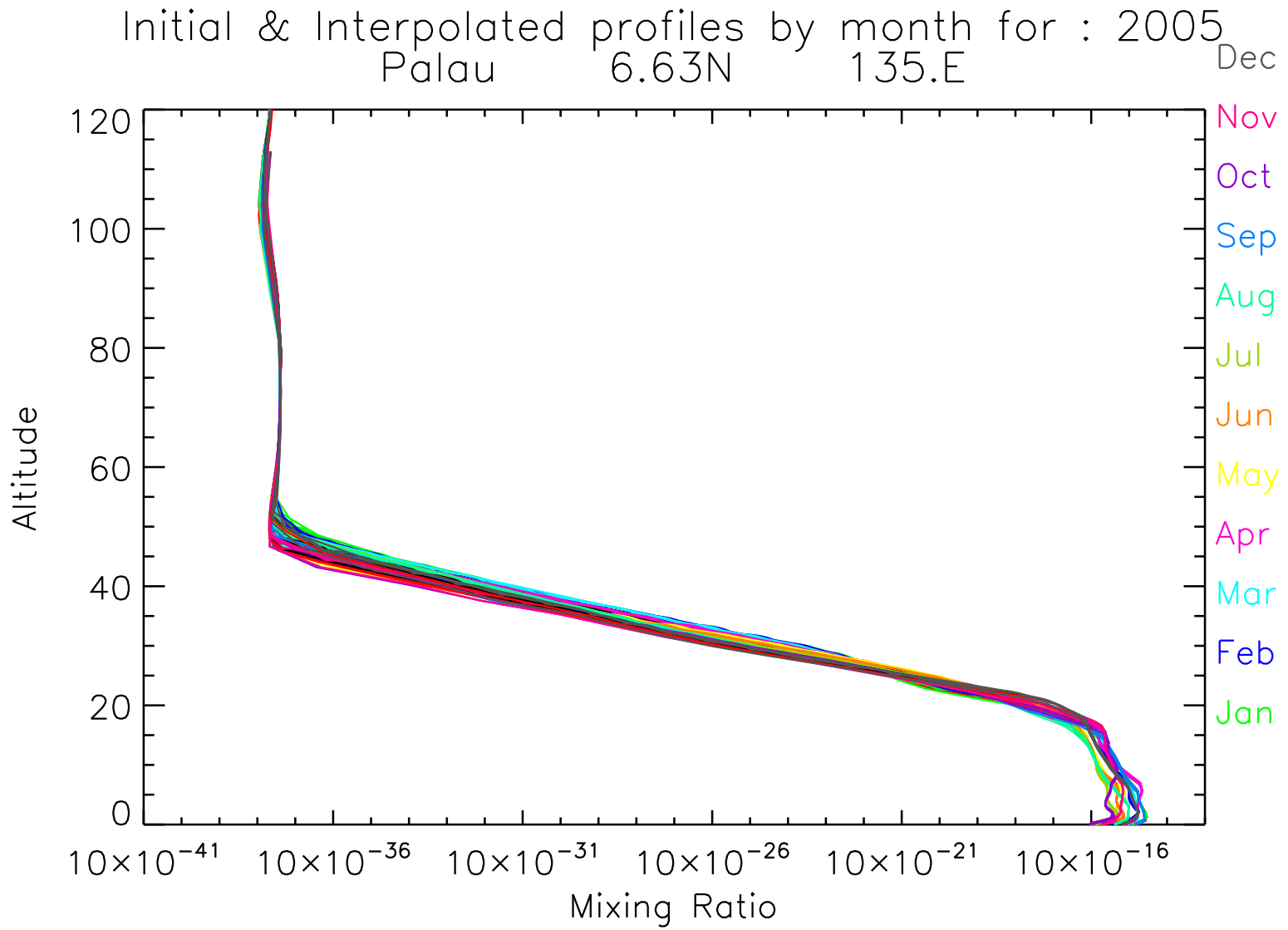

Initial & Interpolated profiles by month for : 2000
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

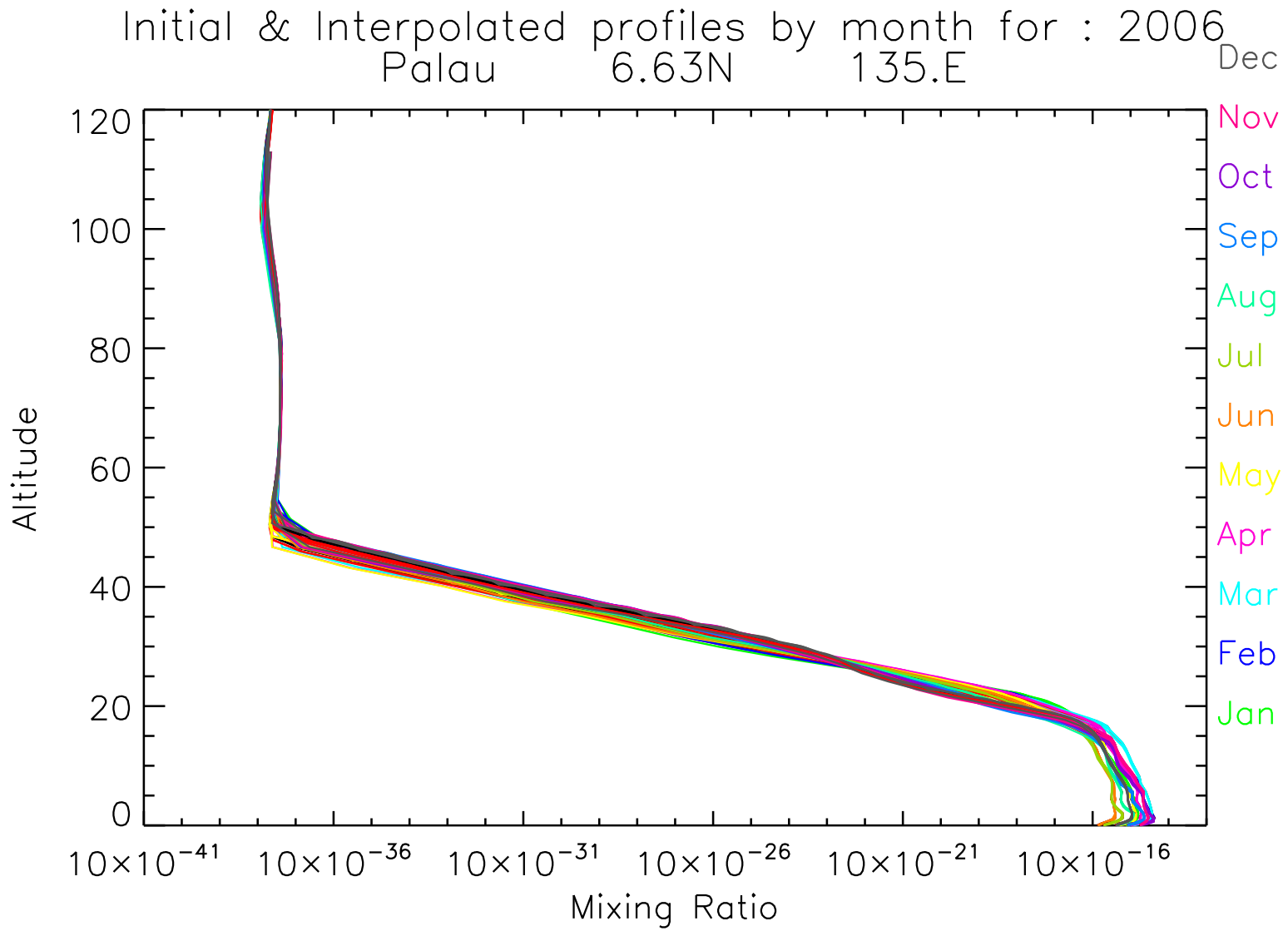

Initial & Interpolated profiles by month for : 2001
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

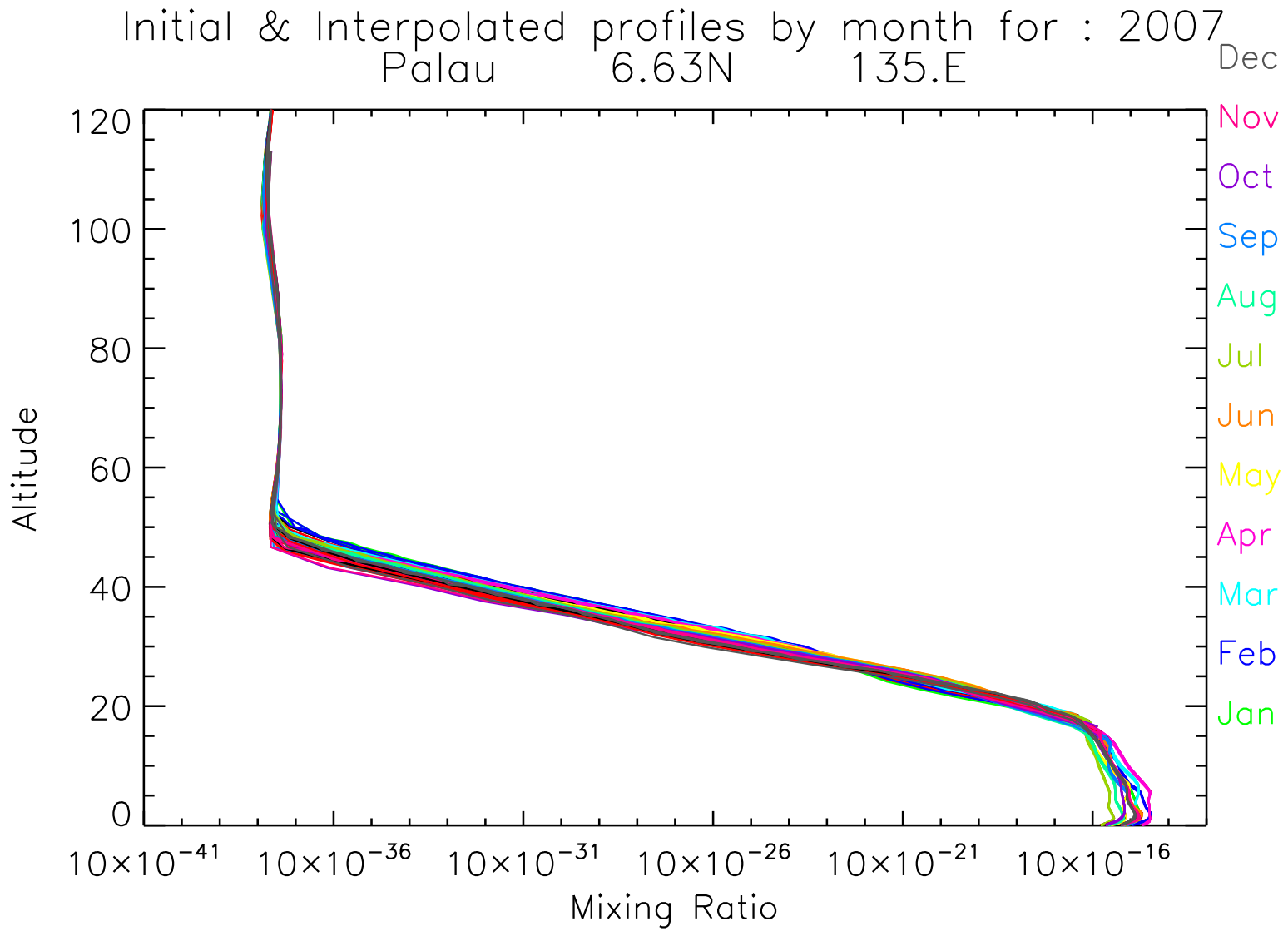

Initial & Interpolated profiles by month for : 2002
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

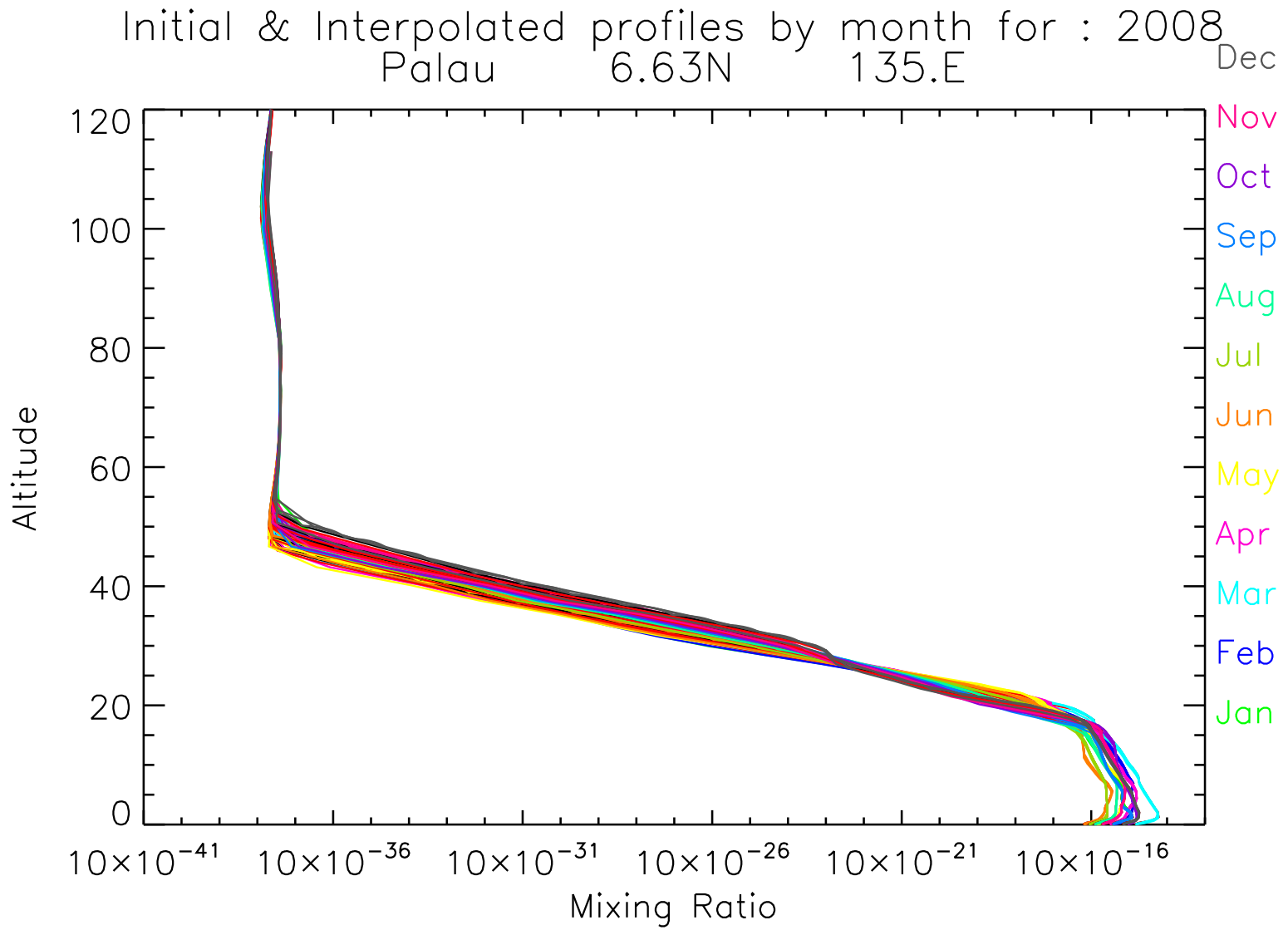

Initial & Interpolated profiles by month for : 2003
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

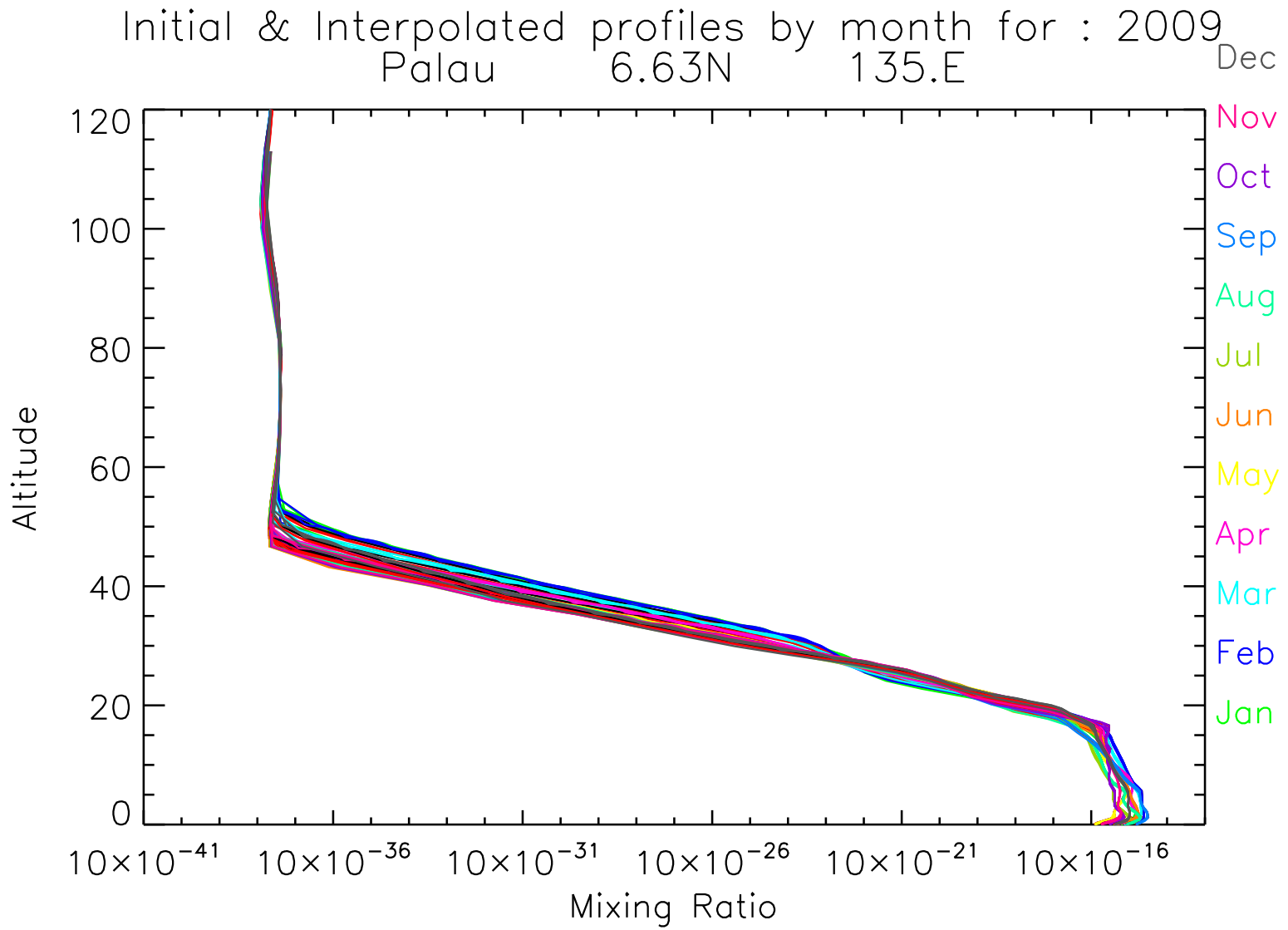

Initial & Interpolated profiles by month for : 2004
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

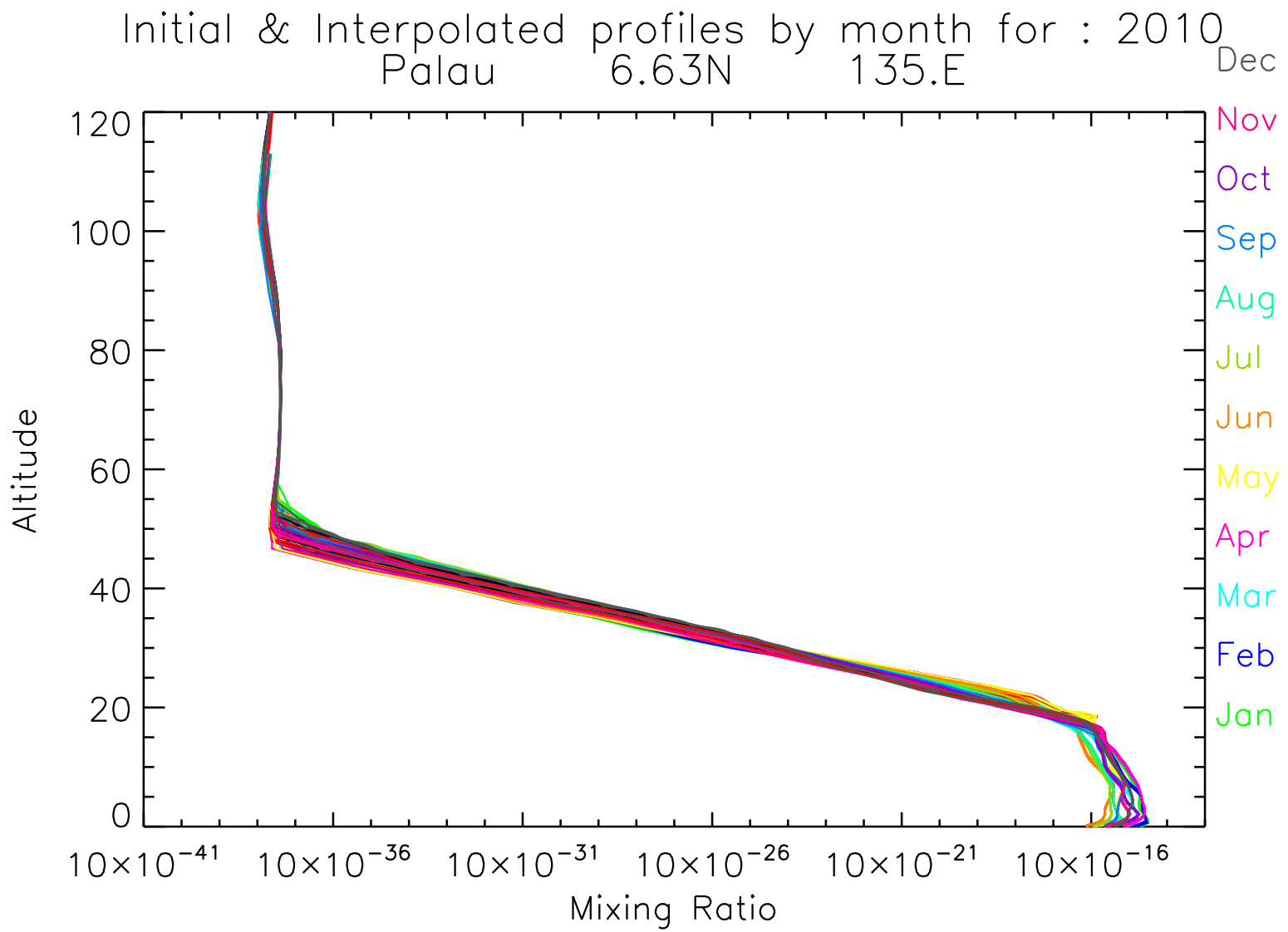

Initial & Interpolated profiles by month for : 2005
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

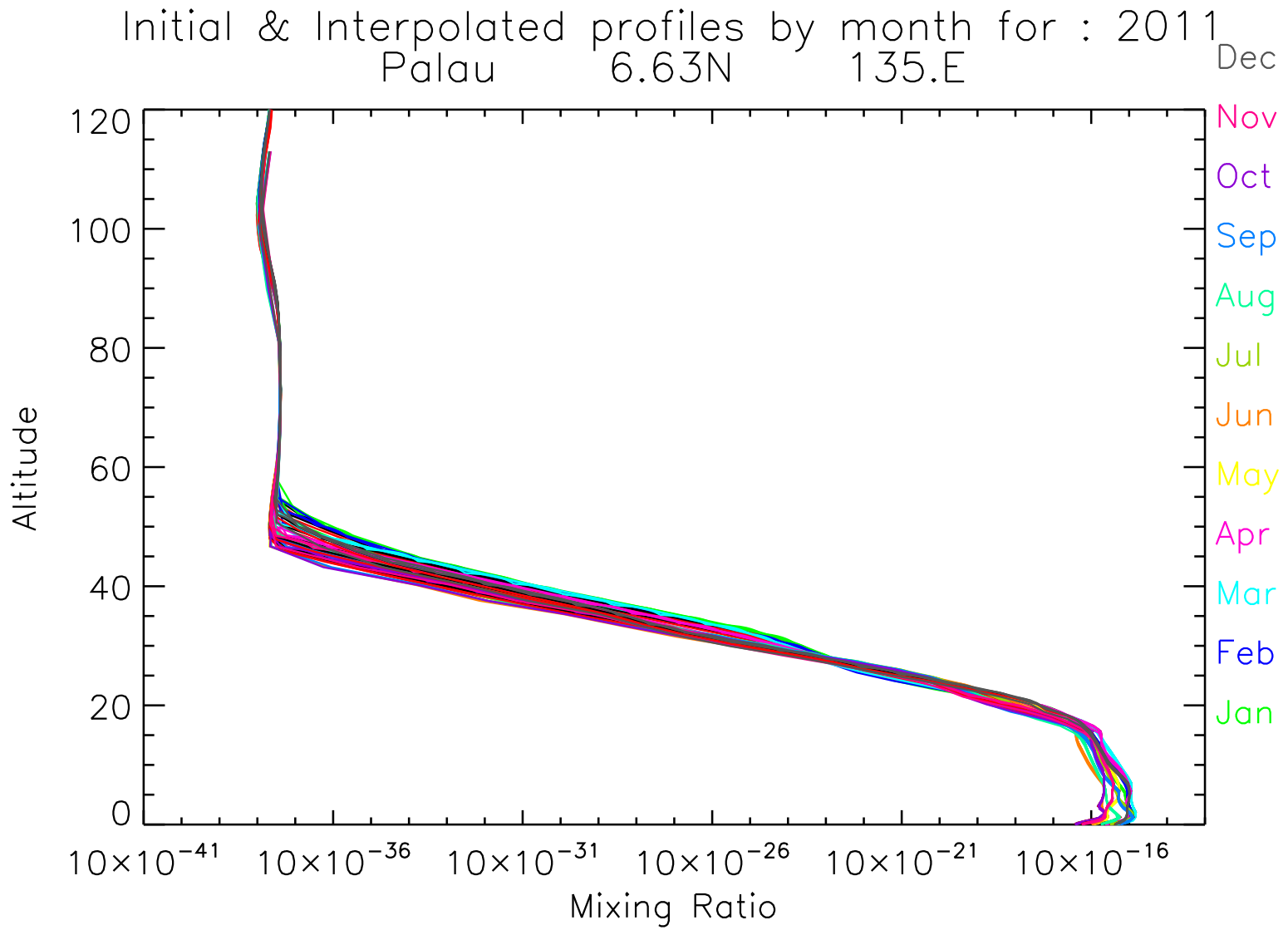

Initial & Interpolated profiles by month for : 2006
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

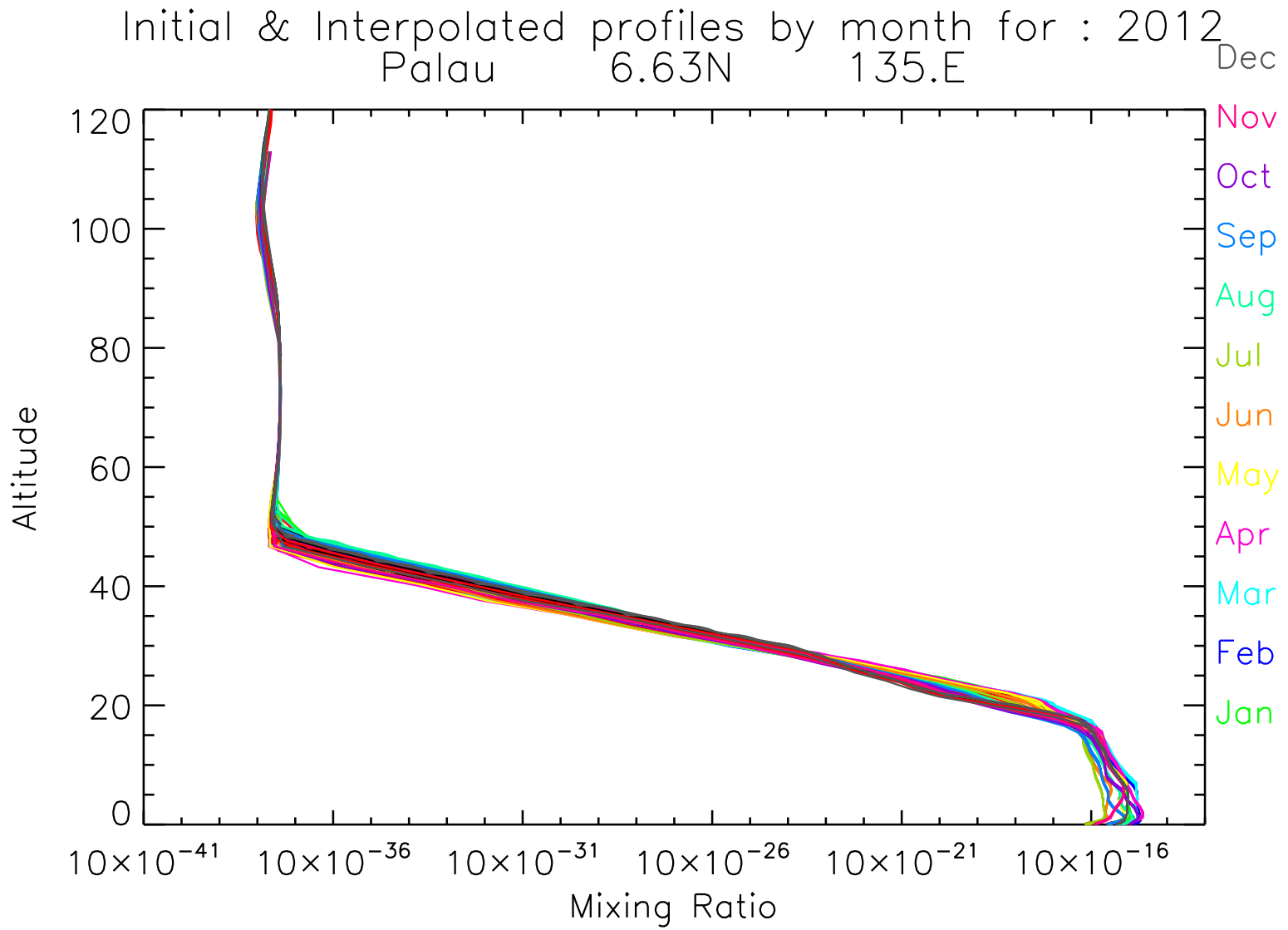

Initial & Interpolated profiles by month for : 2007
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

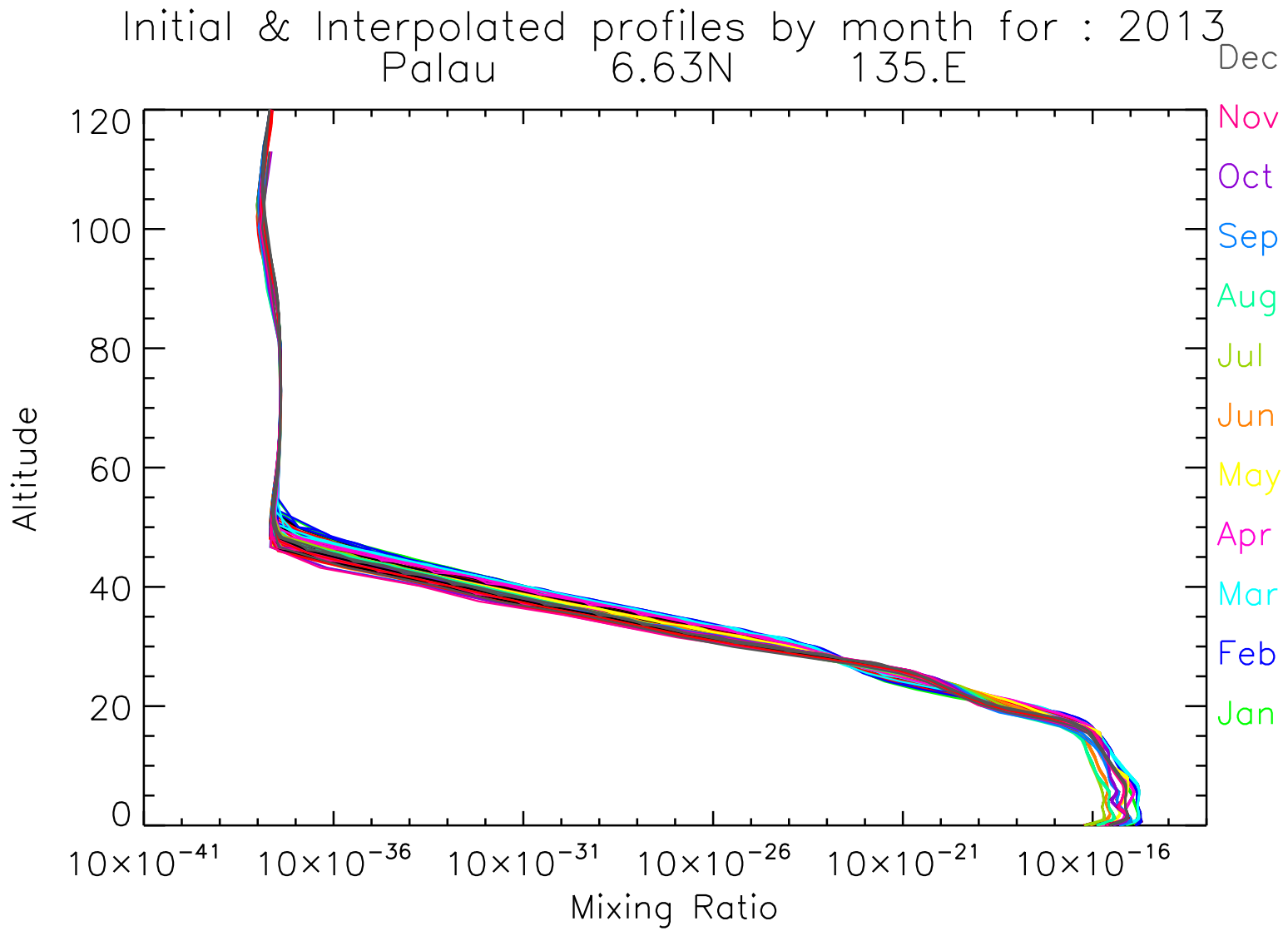

Initial & Interpolated profiles by month for : 2008
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

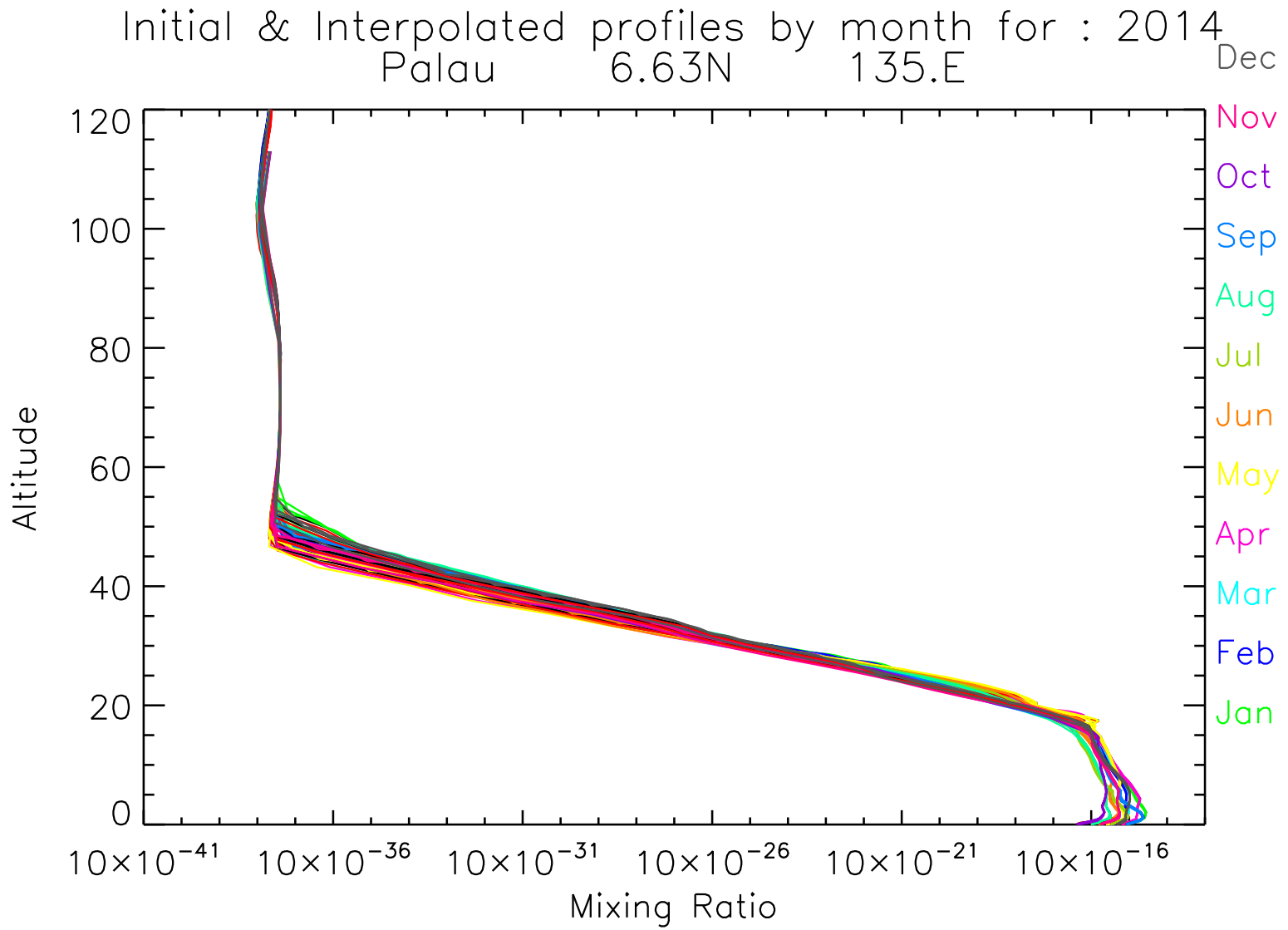

Initial & Interpolated profiles by month for : 2009
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

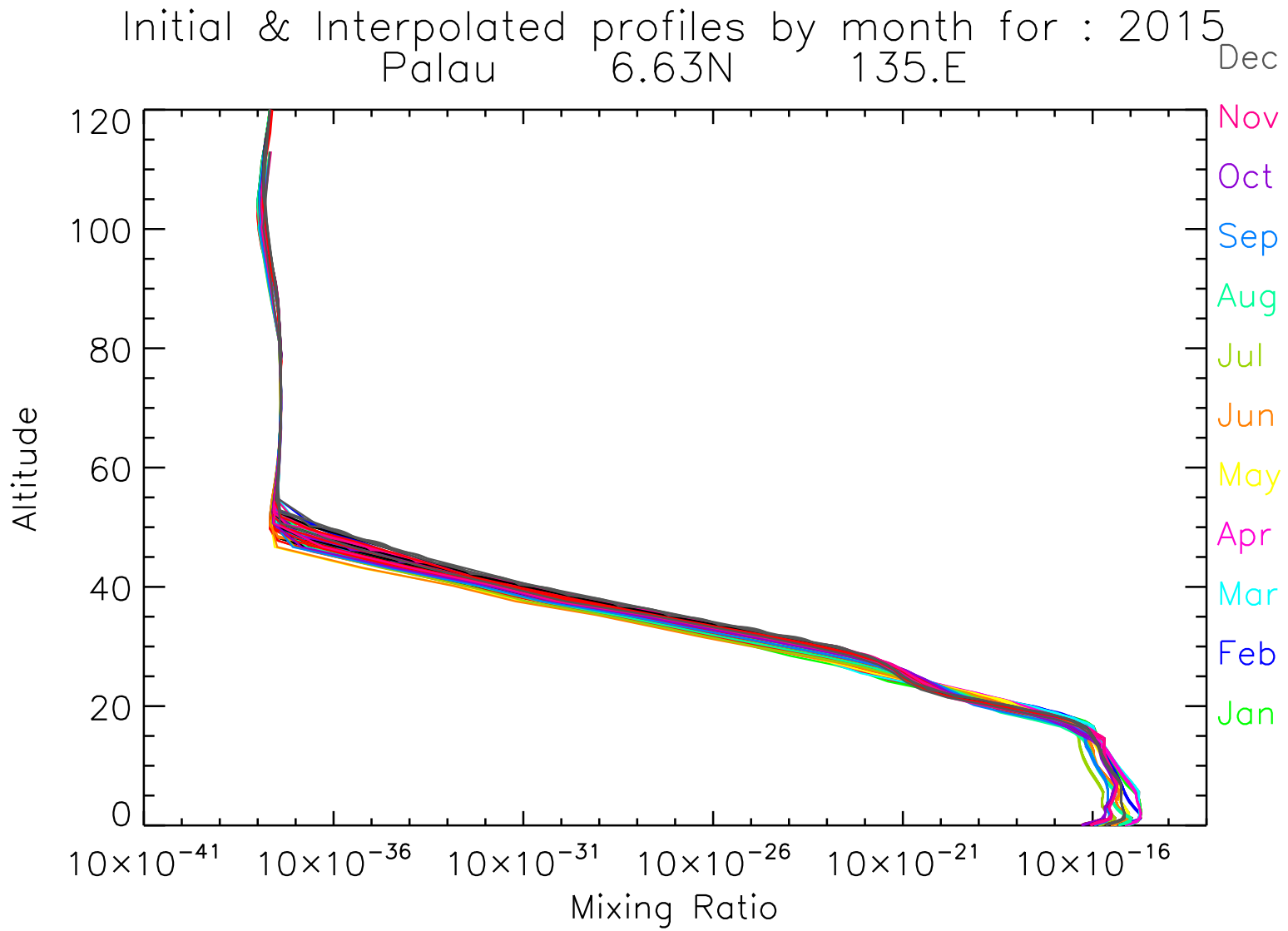

Initial & Interpolated profiles by month for : 2010
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

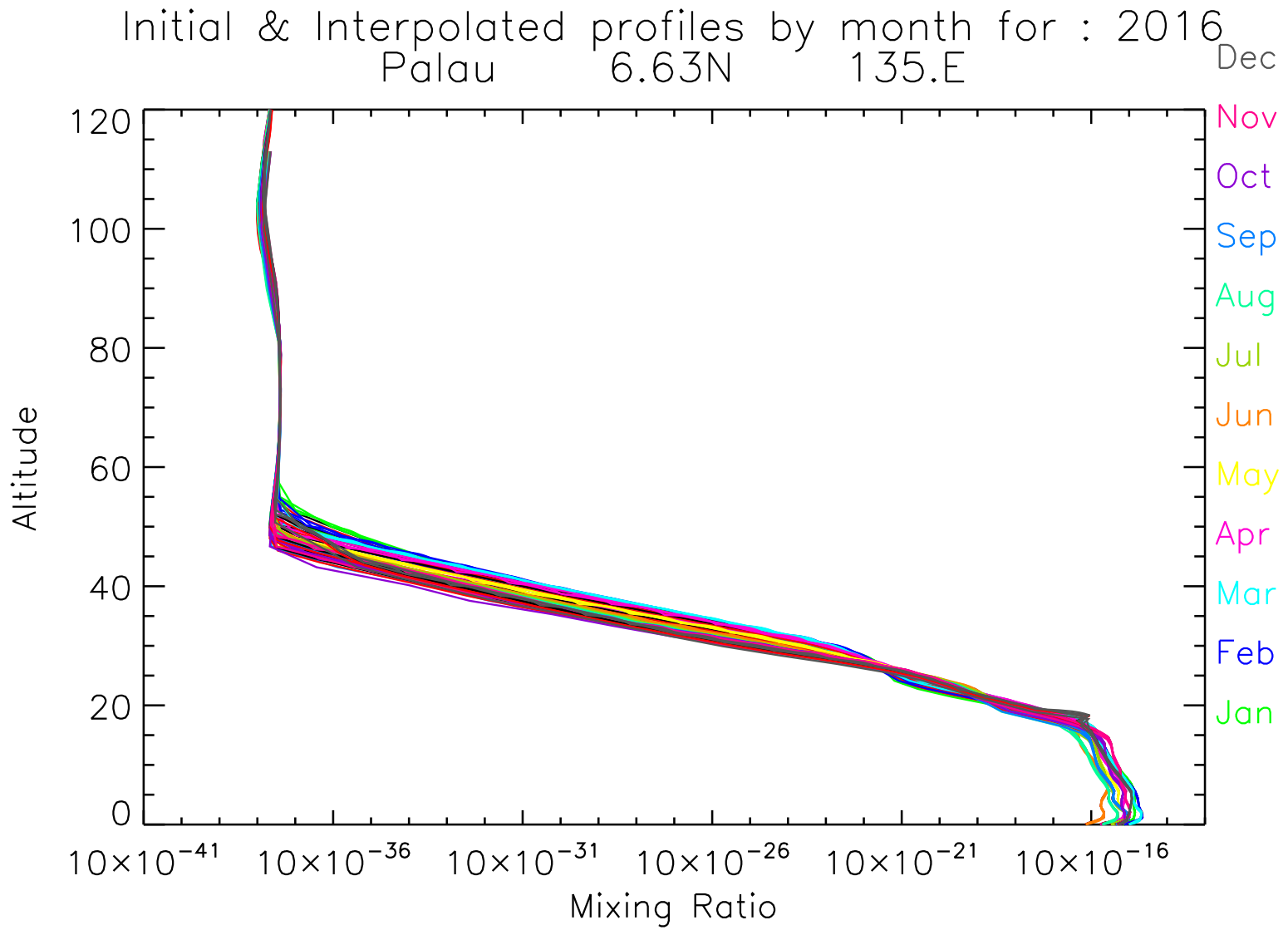

Initial & Interpolated profiles by month for : 2011
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

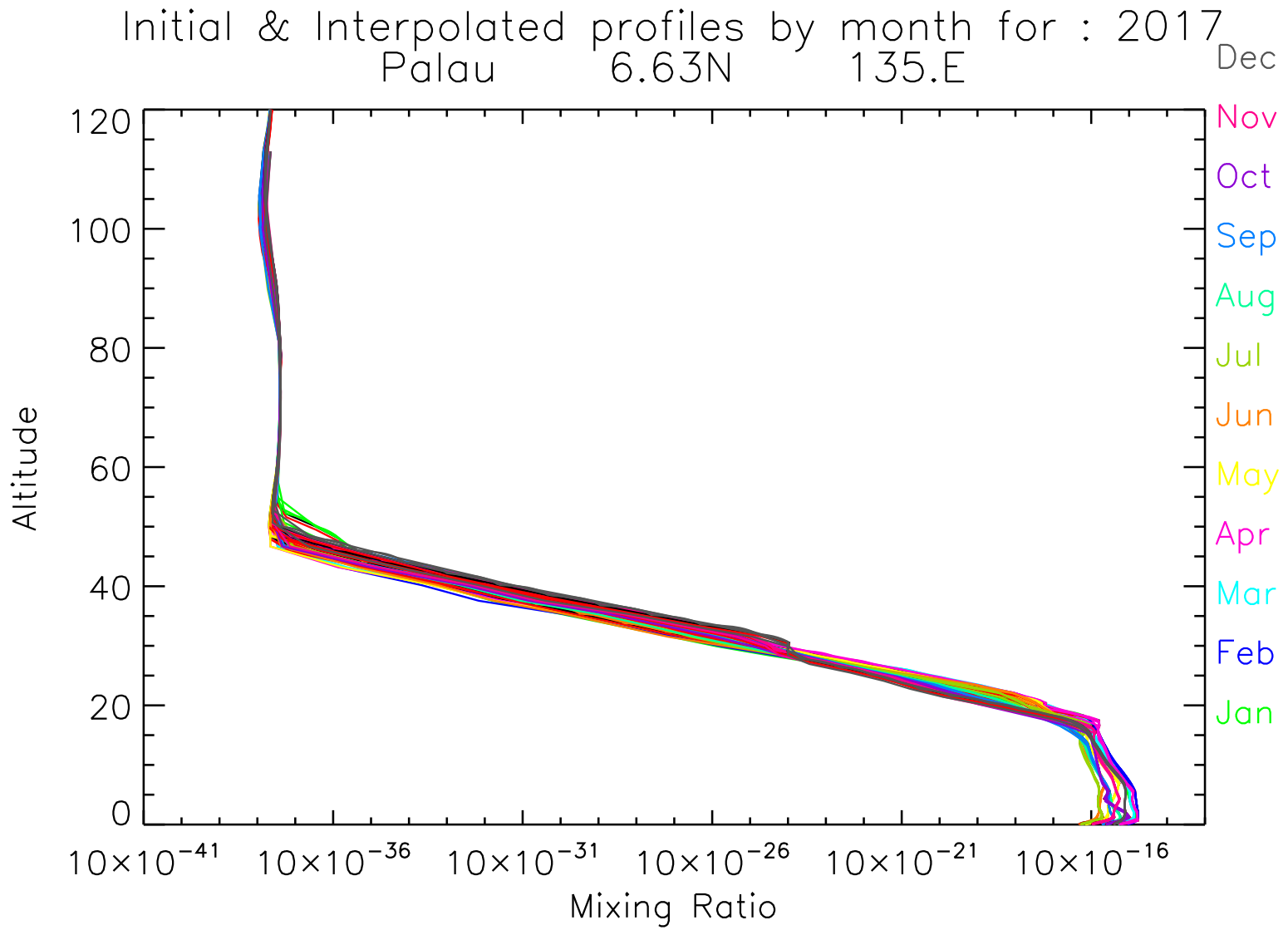

Initial & Interpolated profiles by month for : 2012
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

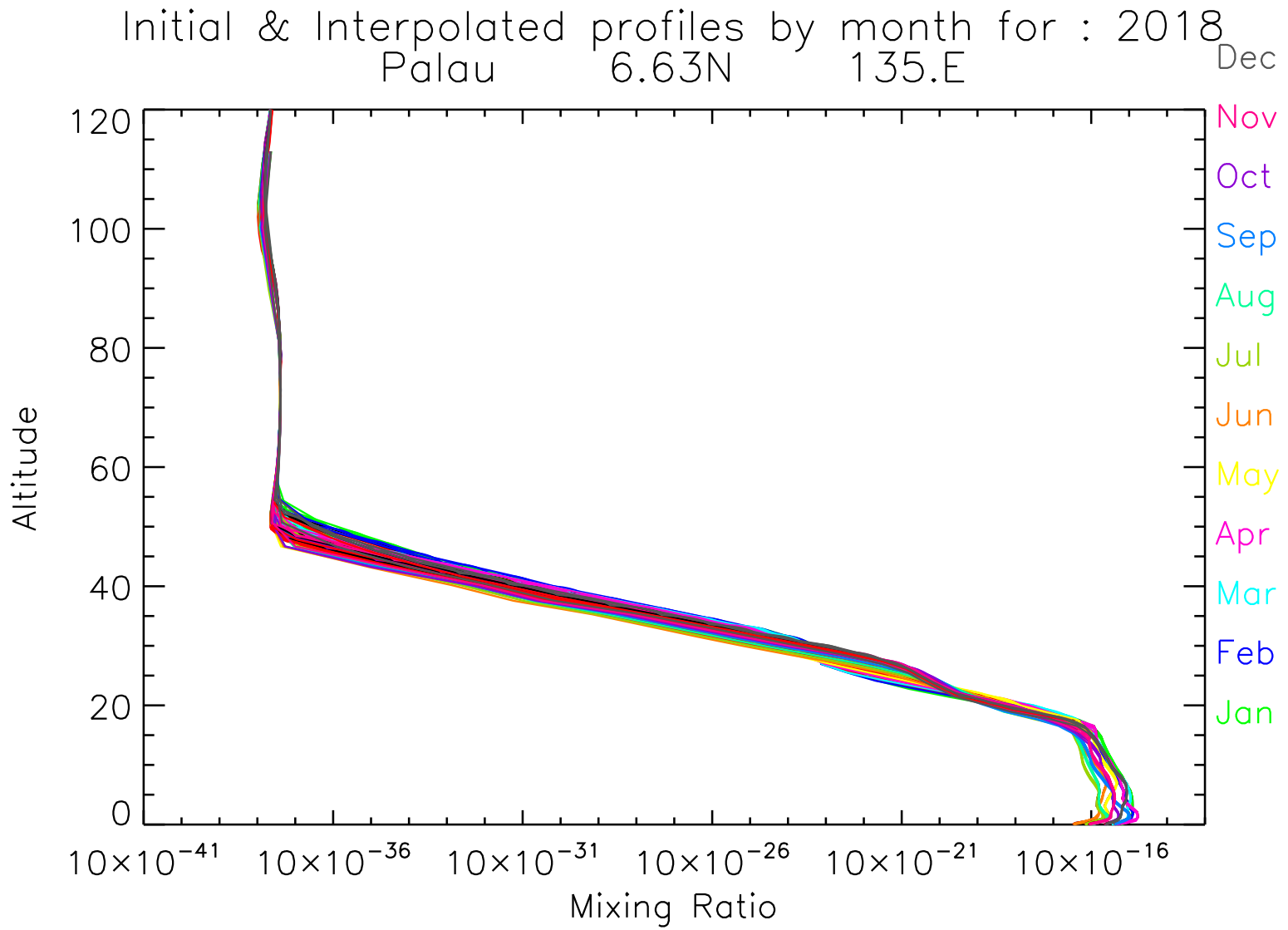

Initial & Interpolated profiles by month for : 2013
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

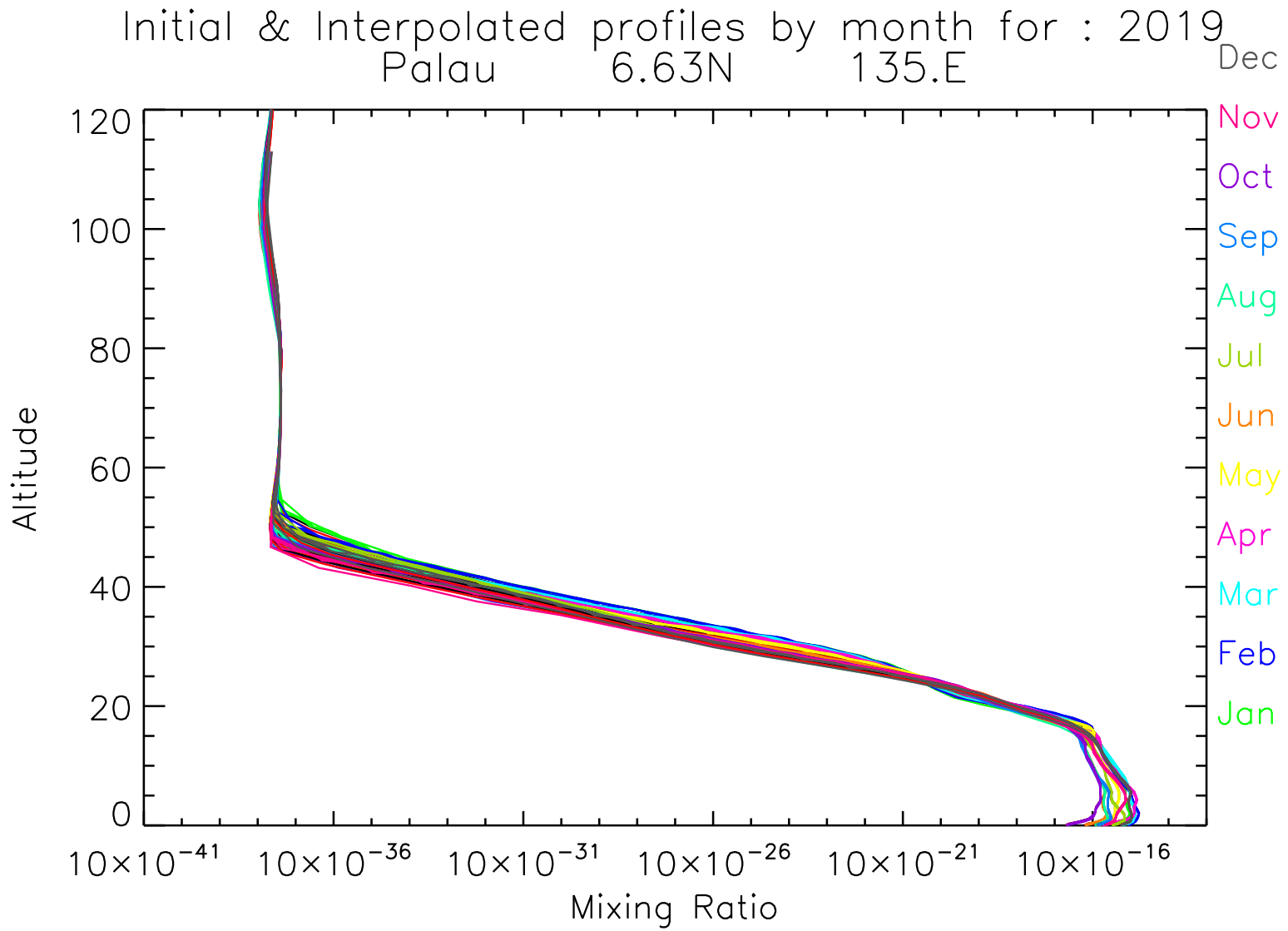

Initial & Interpolated profiles by month for : 2014
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

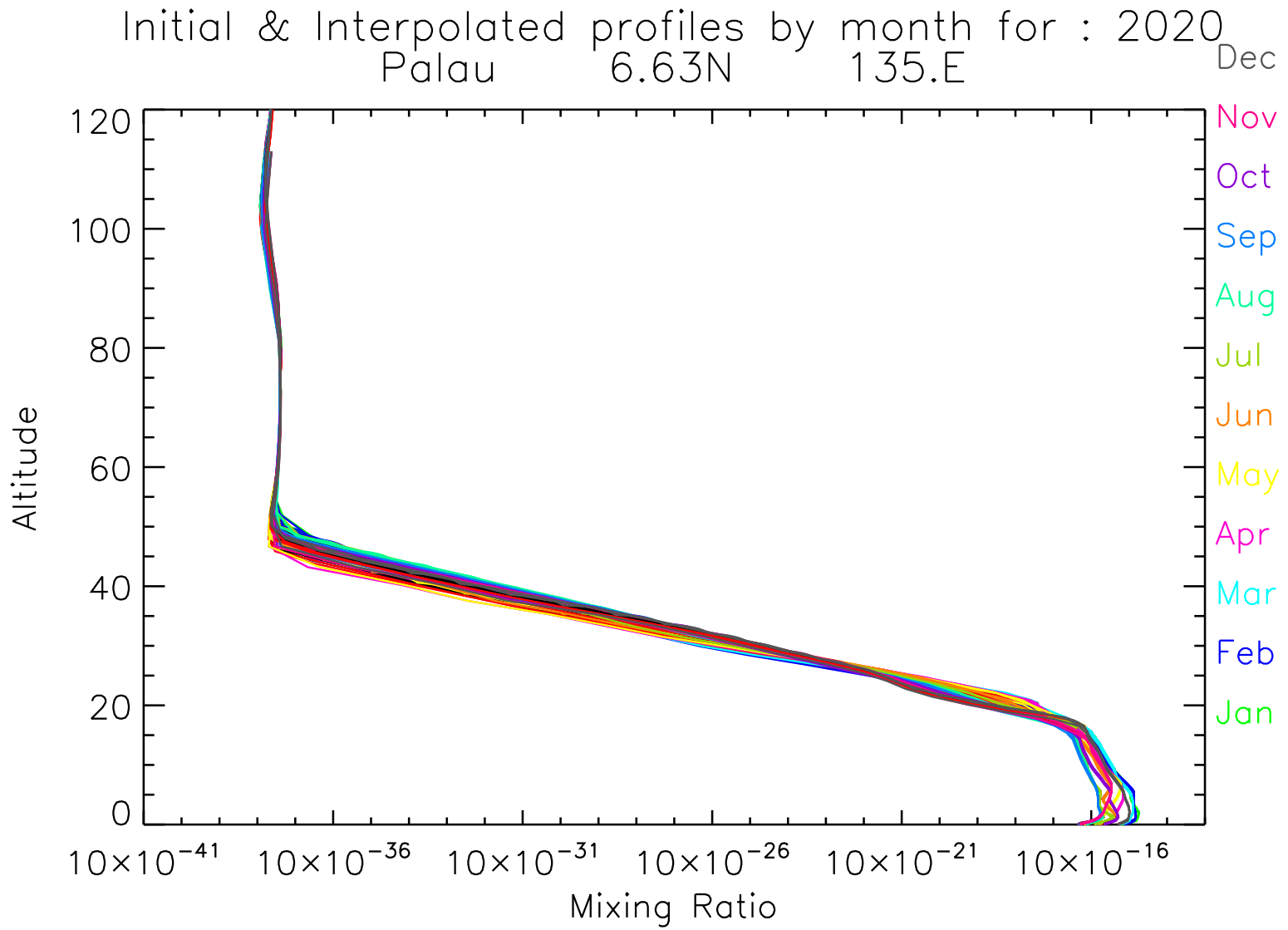

Initial & Interpolated profiles by month for : 2015
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

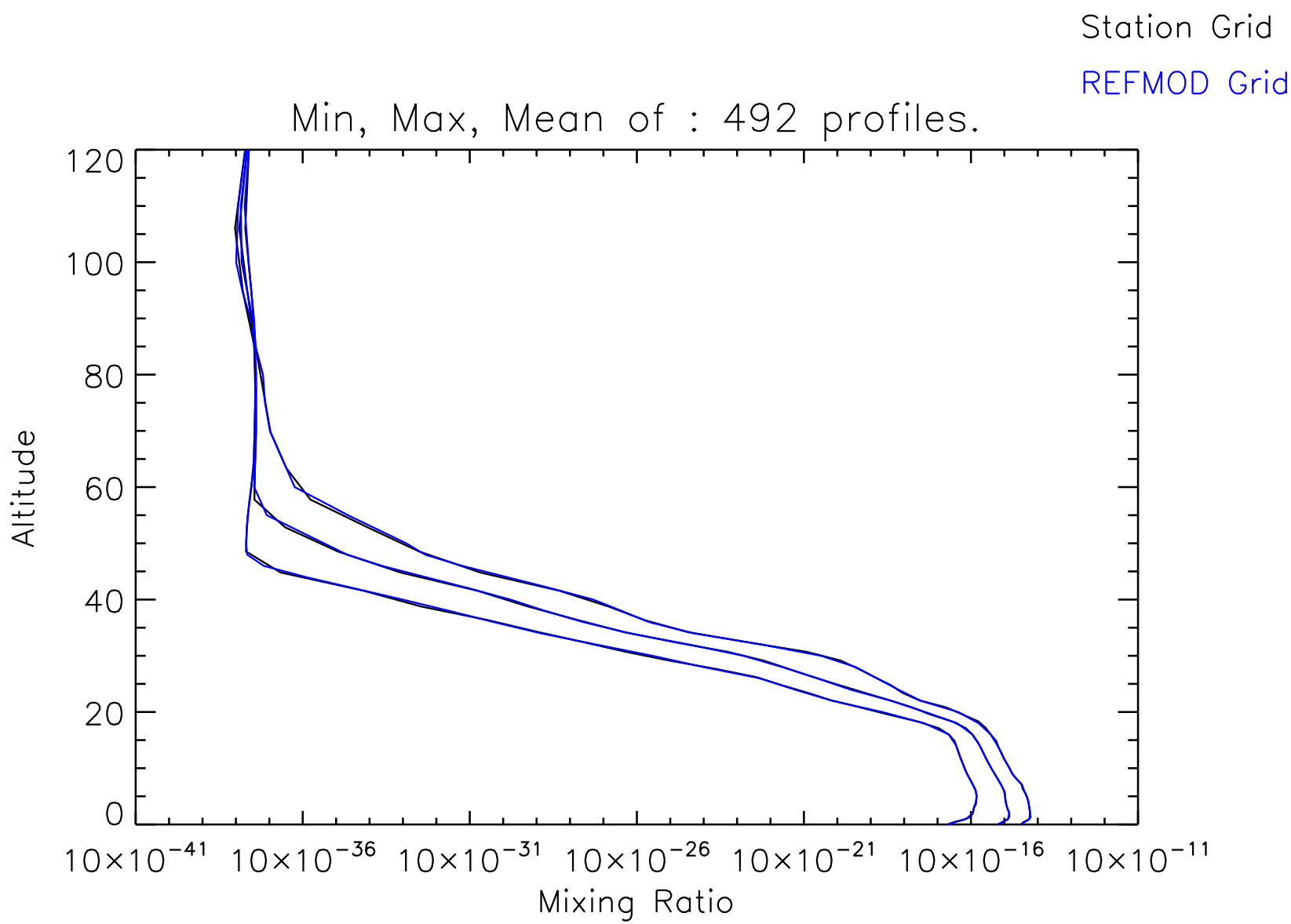

Initial & Interpolated profiles by month for : 2016
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

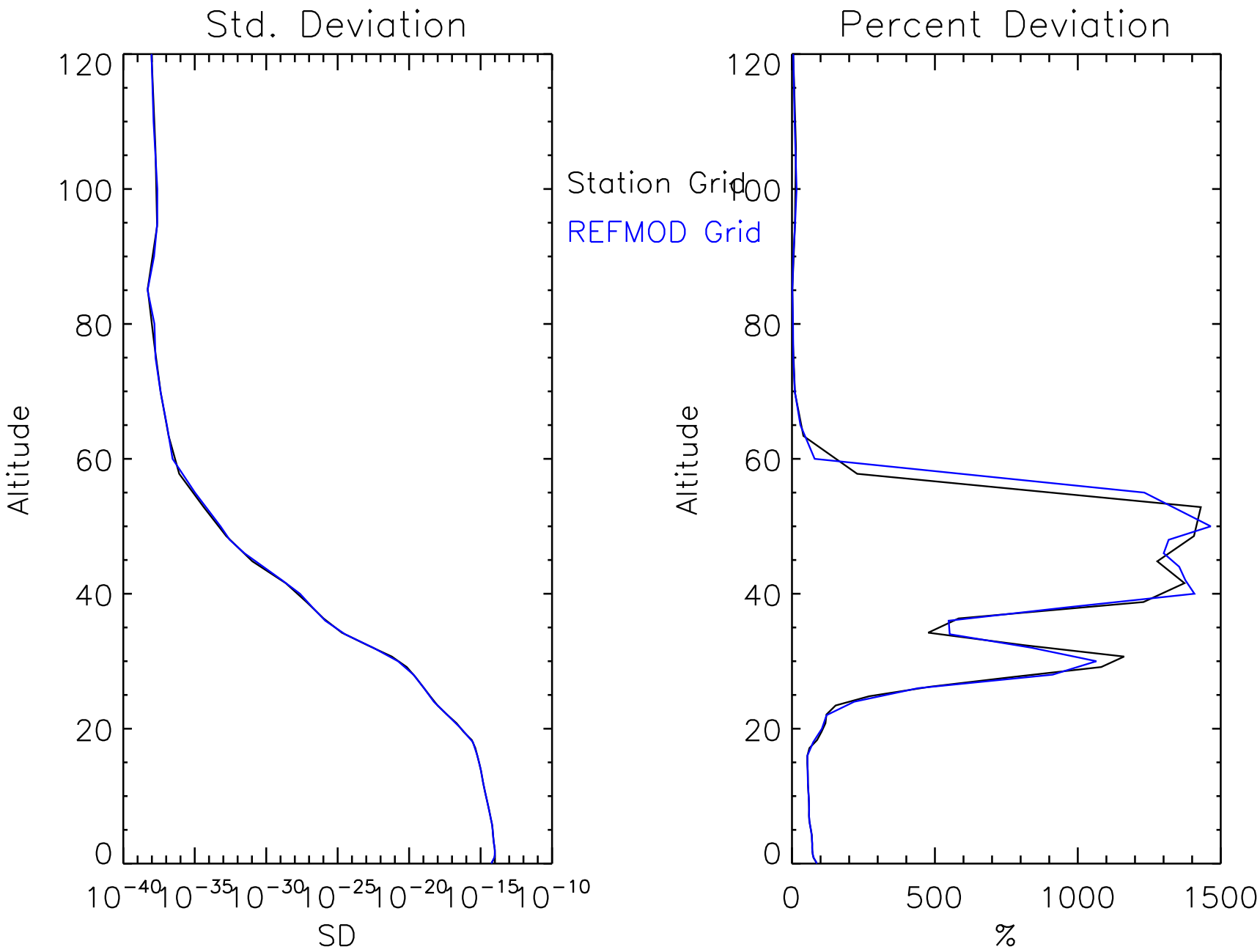

Initial & Interpolated profiles by month for : 2017
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

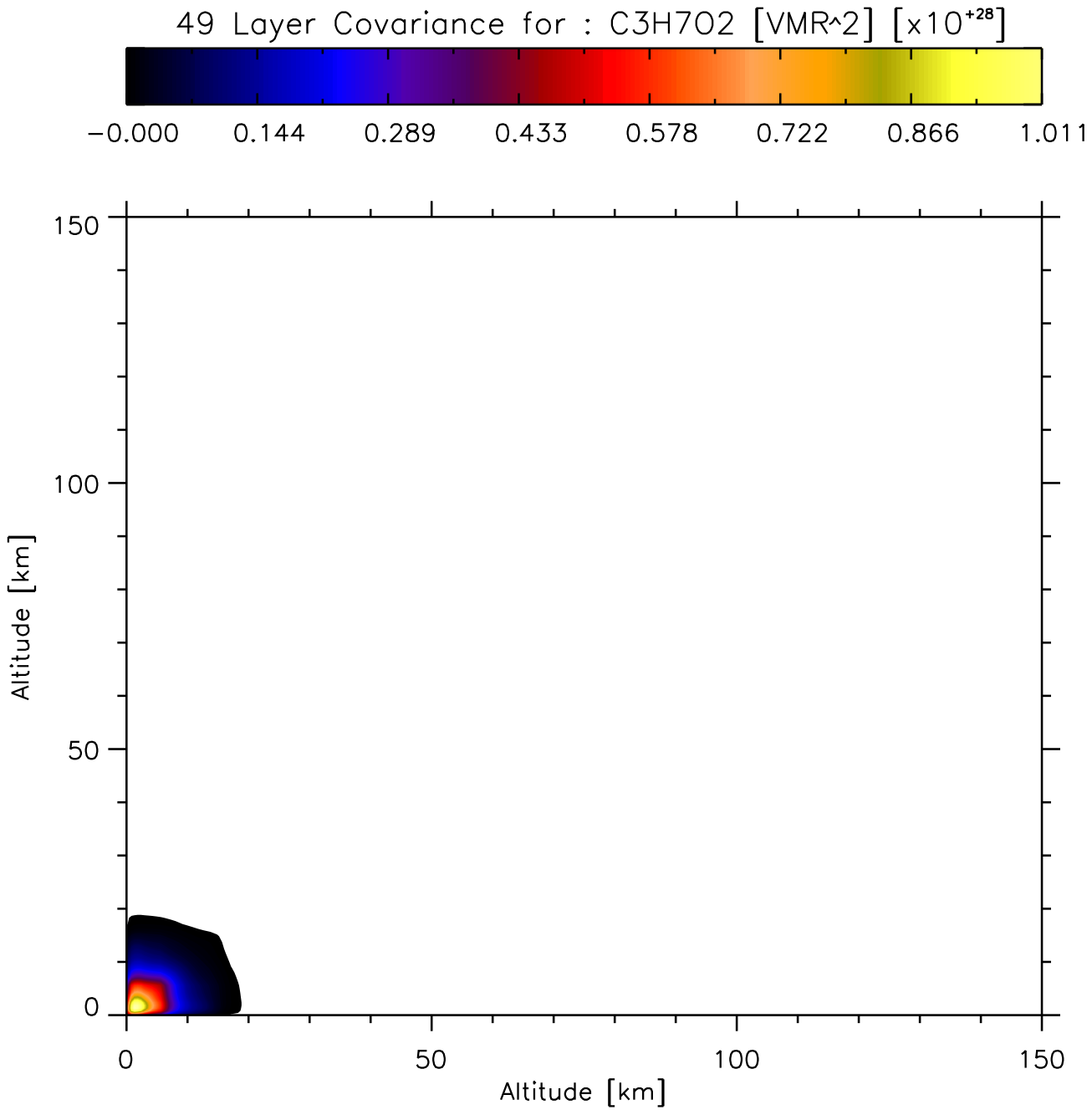

Initial & Interpolated profiles by month for : 2018
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

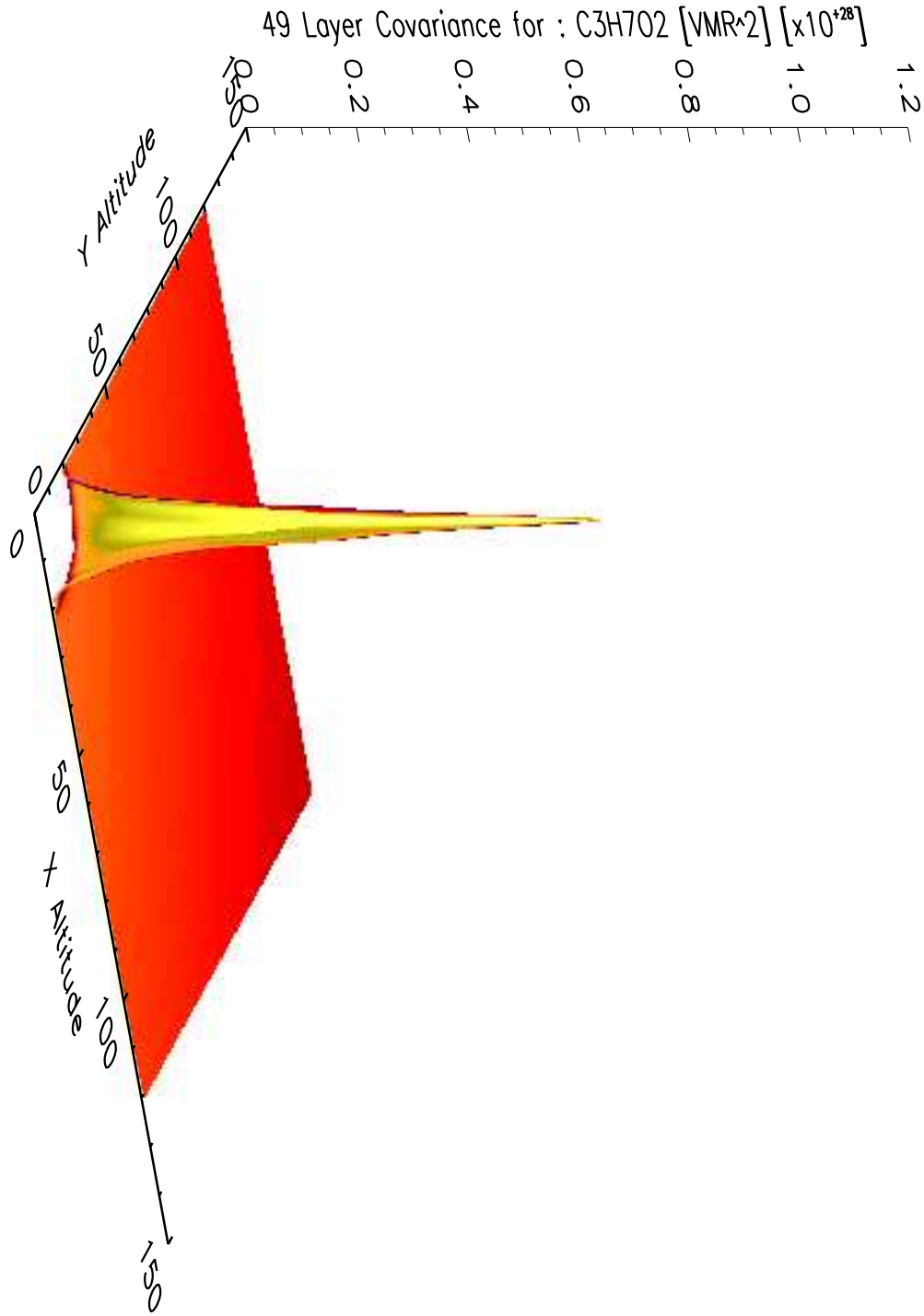

Initial & Interpolated profiles by month for : 2019
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2020
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

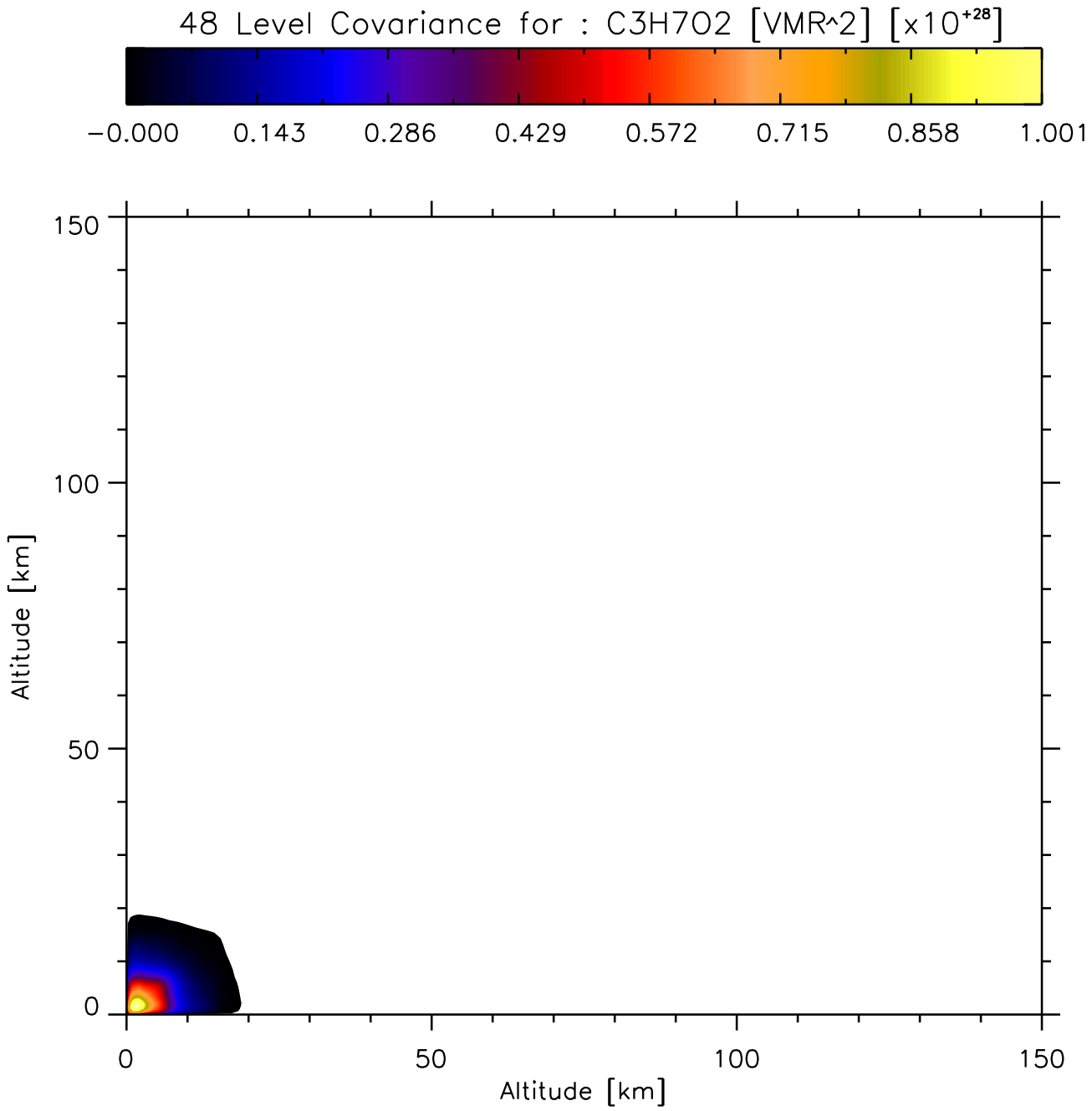

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
10×10^-11
Mixing Ratio

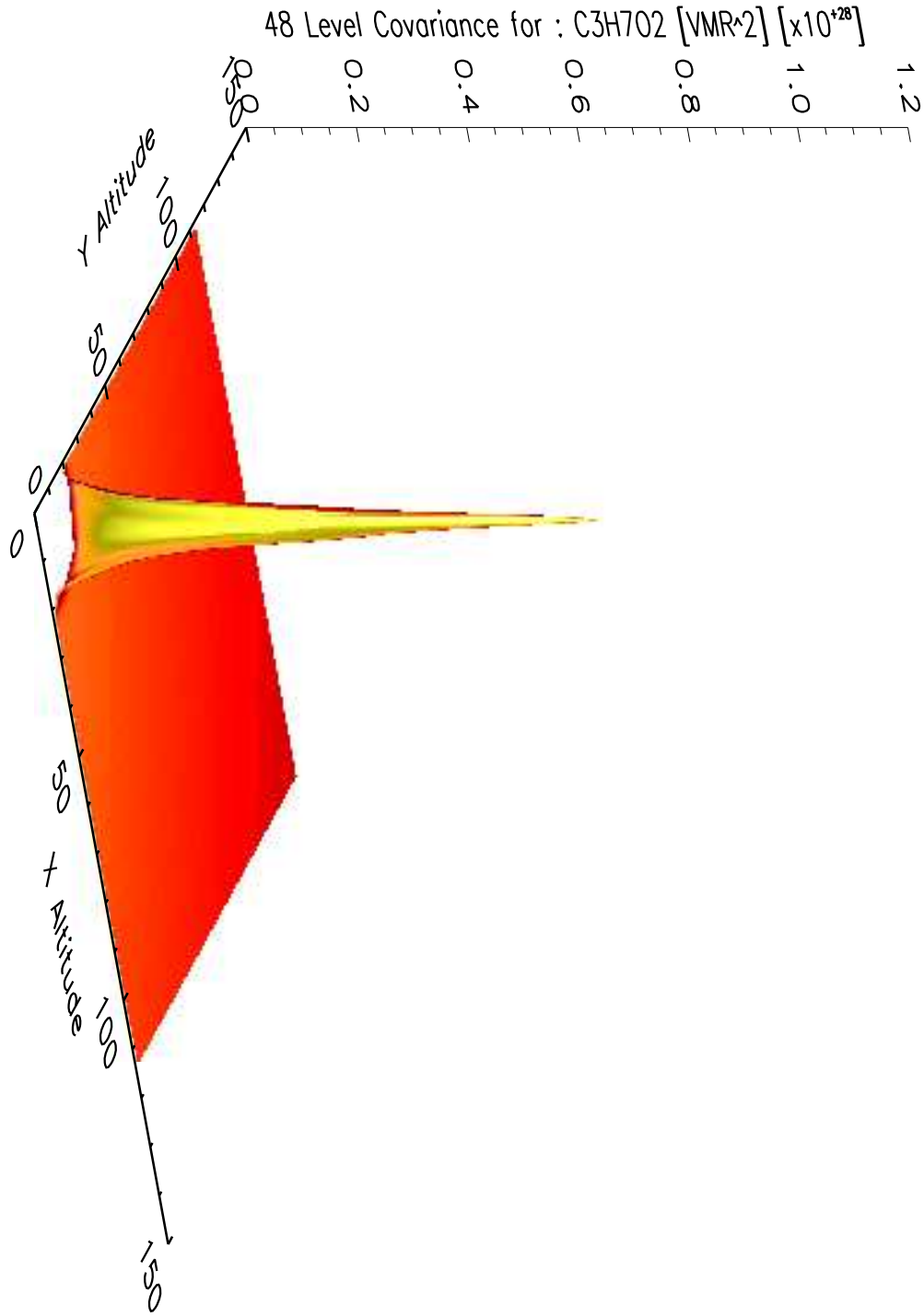

Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-40} 10^{-35} 10^{-30} 10^{-25} 10^{-20} 10^{-15} 10^{-10}
SD
0
500
1000
1500
%


49 Layer Covariance for : C3H7O2 [VMR^2] [x10^+28]
−0.000
0.144
0.289
0.433
0.578
0.722
0.866
1.011
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]



49 Layer Covariance for : C3H7O2 [VMR^2] [x10^+28]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


48 Level Covariance for : C3H7O2 [VMR^2] [x10^+28]
−0.000
0.143
0.286
0.429
0.572
0.715
0.858
1.001
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : C3H7O2 [VMR^2] [x10^+28]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
150
X Altitude
0
50
100
150