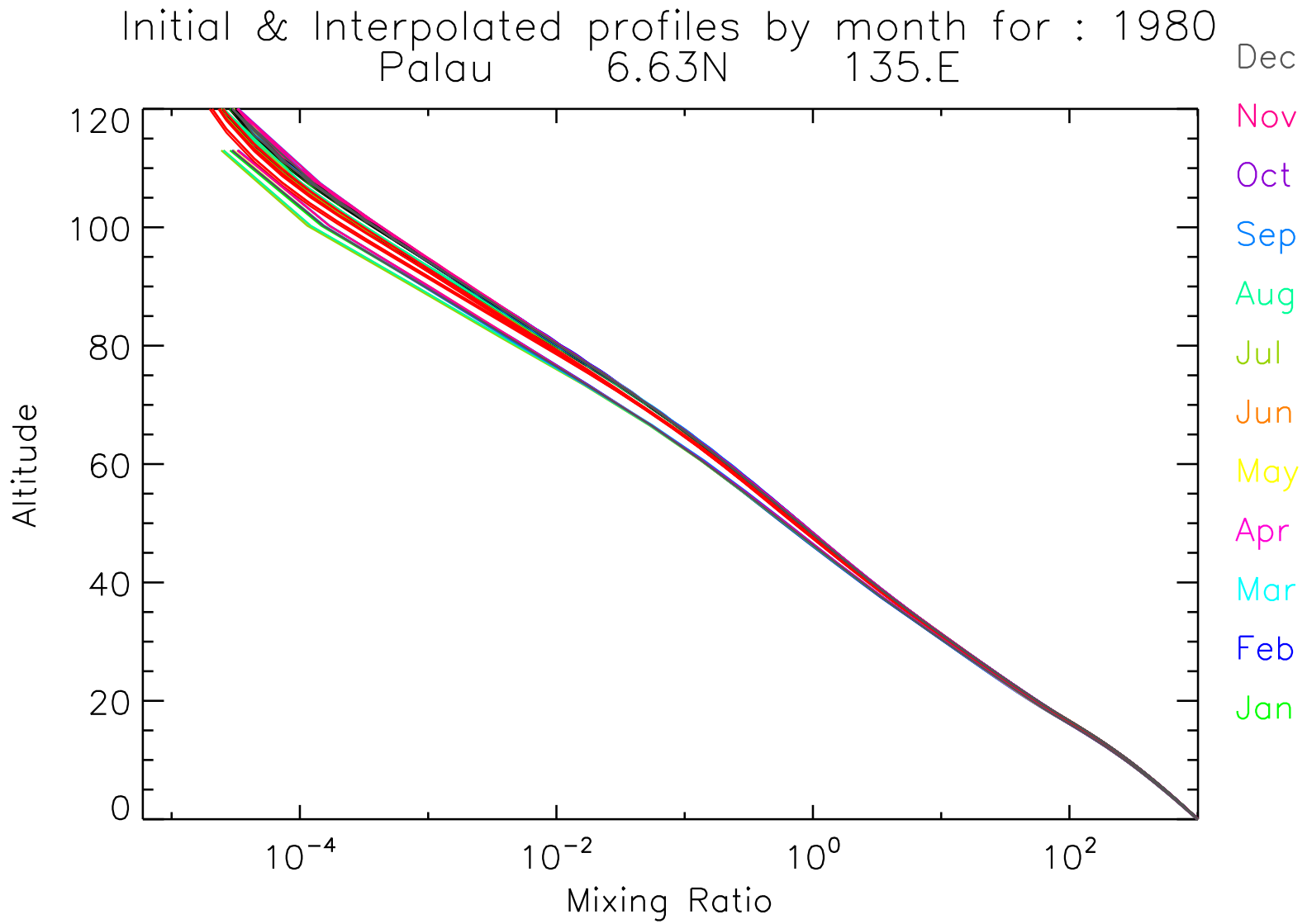
Initial & Interpolated profiles by month for : 1980
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Altitude
120
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Mixing Ratio
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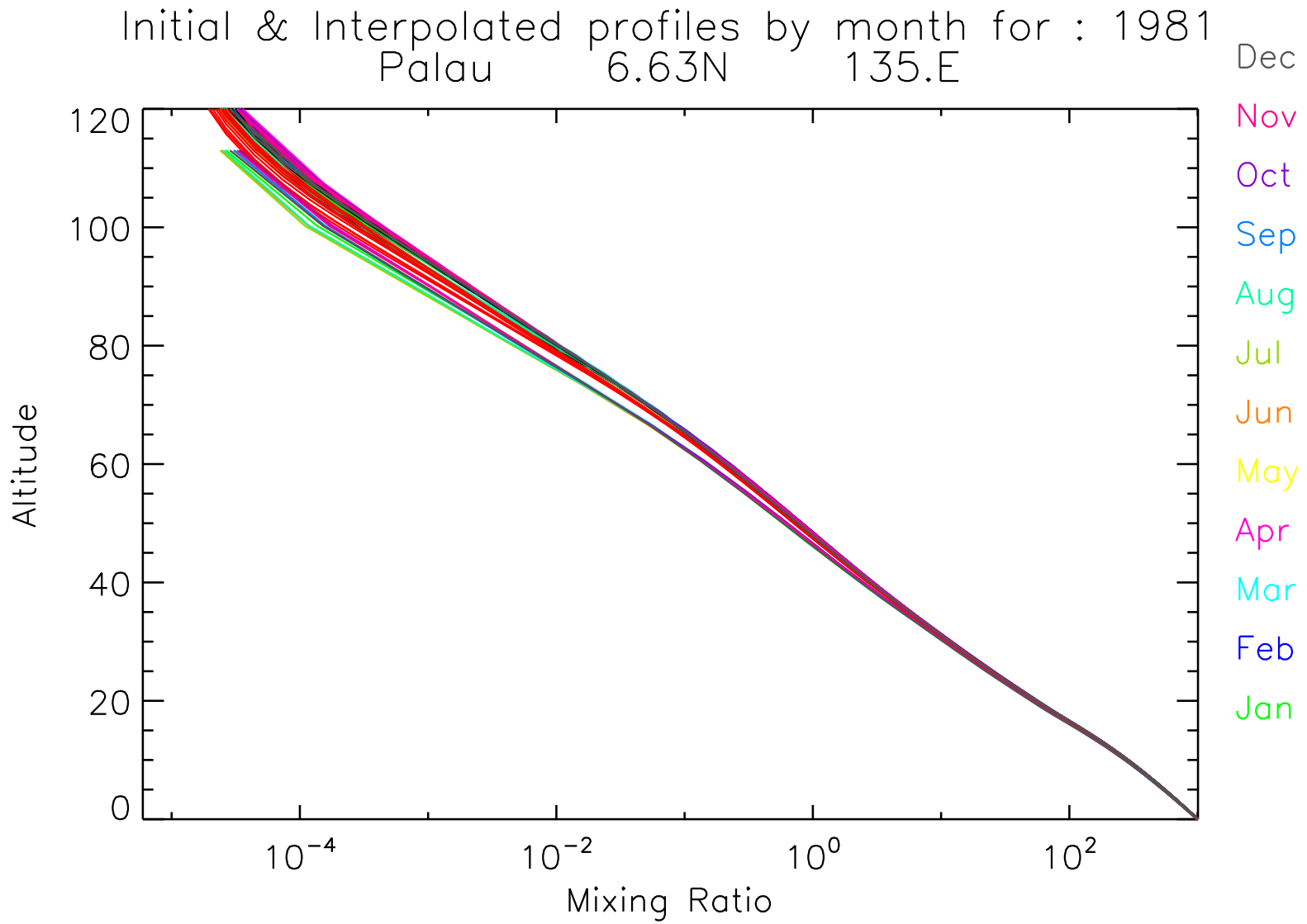
Initial & Interpolated profiles by month for : 1981
Palau 6.63N 135.E
Altitude
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10^{-4}
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Mixing Ratio
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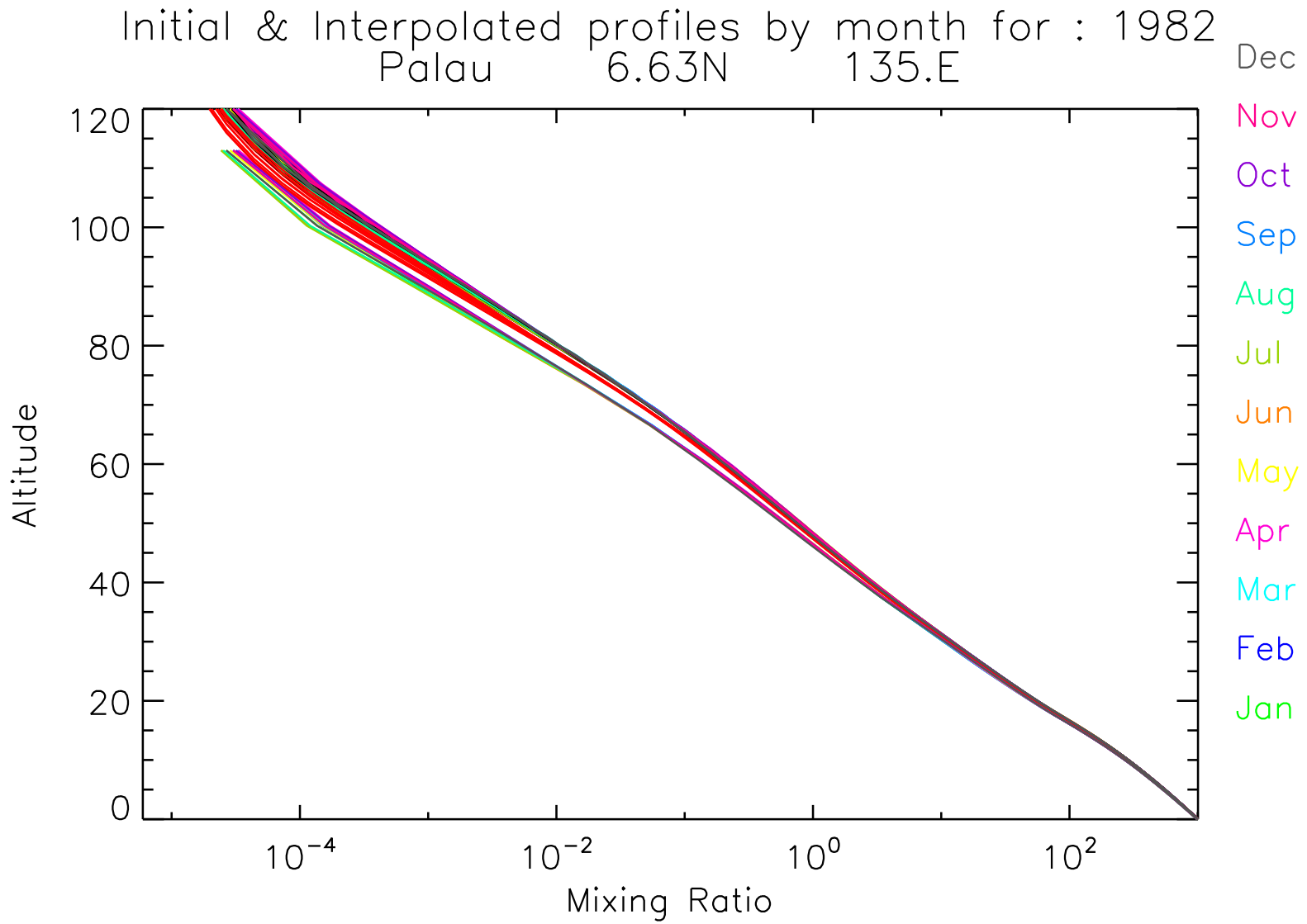
Initial & Interpolated profiles by month for : 1982
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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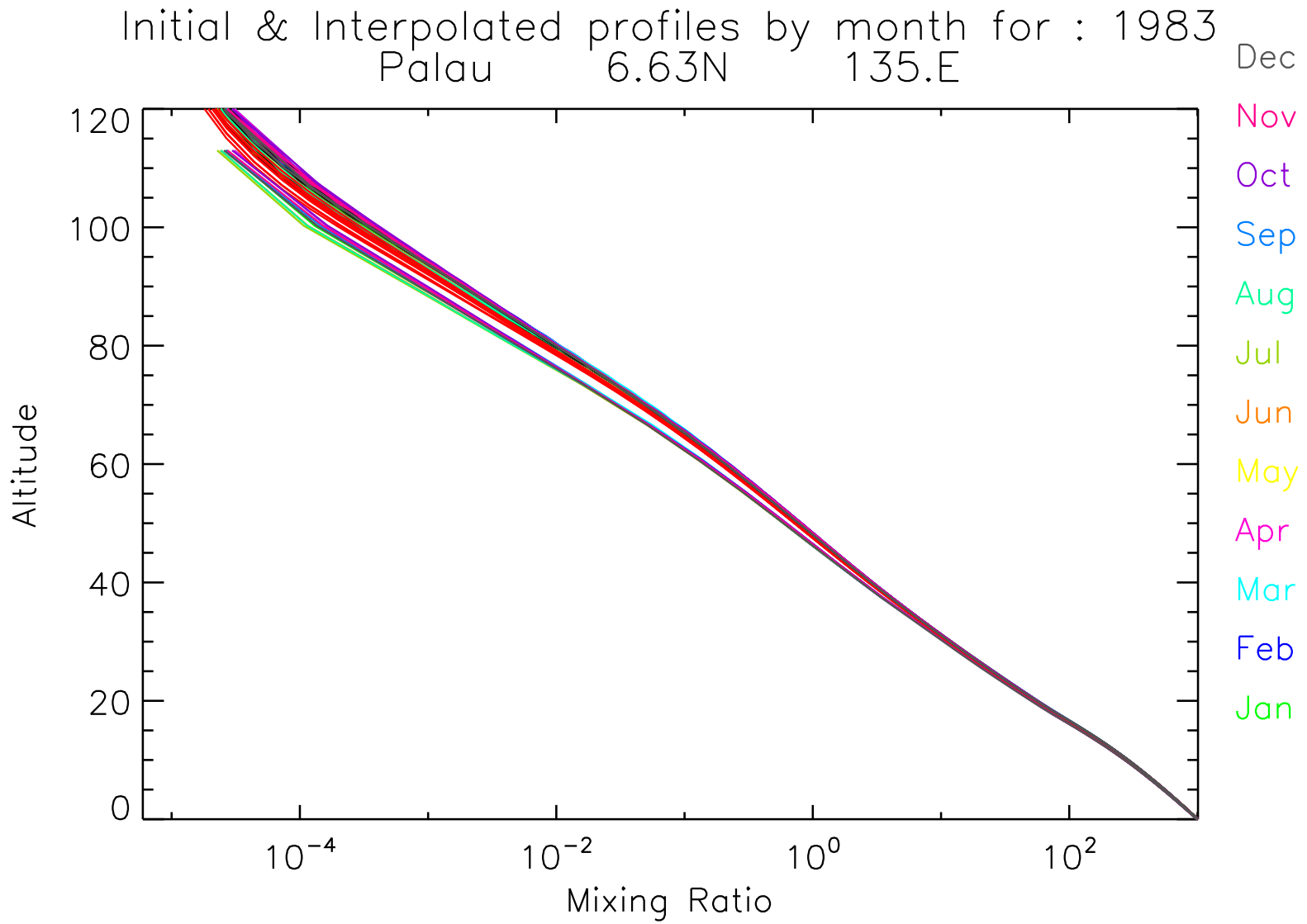
Initial & Interpolated profiles by month for : 1983
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Altitude
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10^{-4}
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Mixing Ratio
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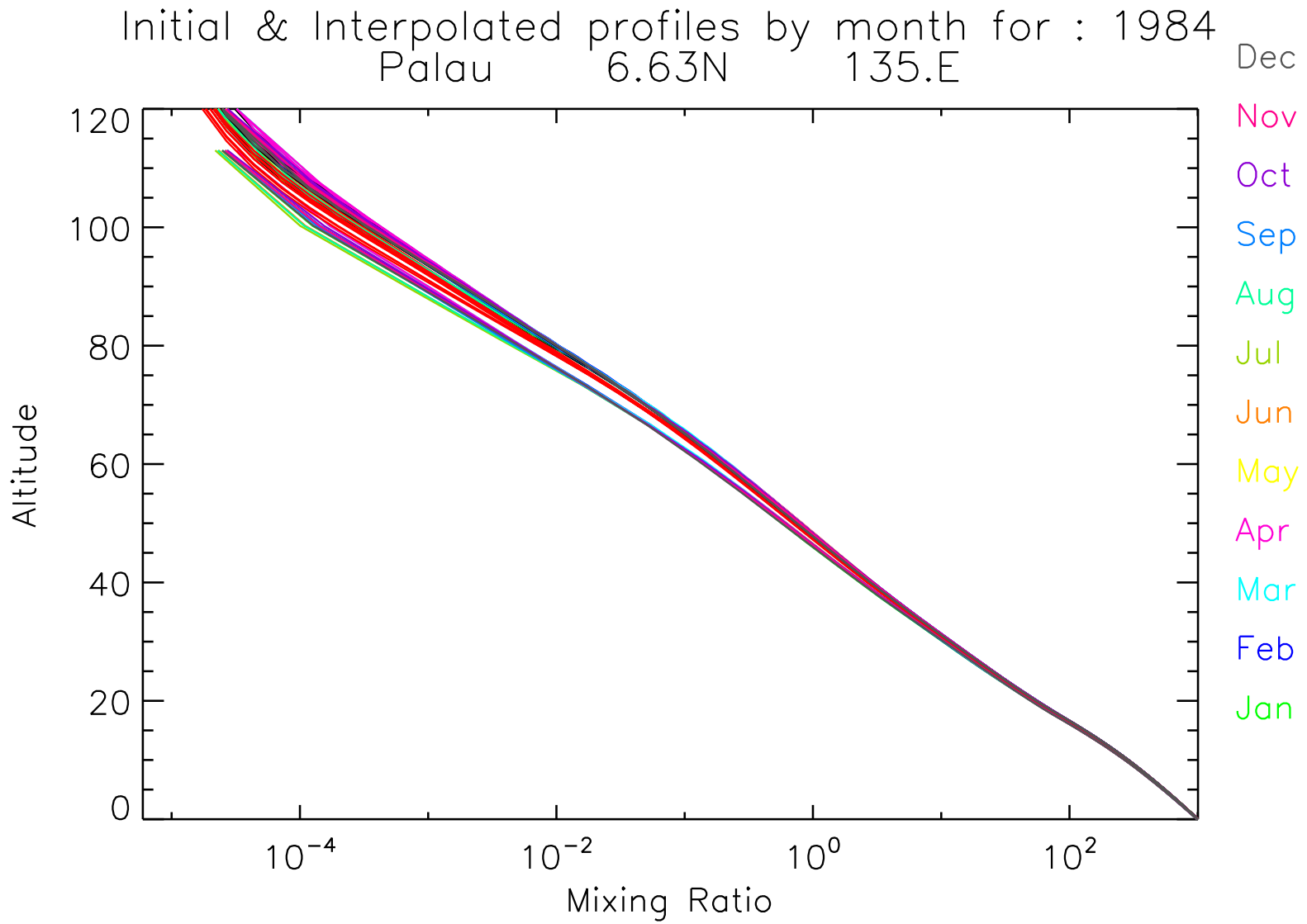
Initial & Interpolated profiles by month for : 1984
Palau 6.63N 135.E
Altitude
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10^{-4}
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Mixing Ratio
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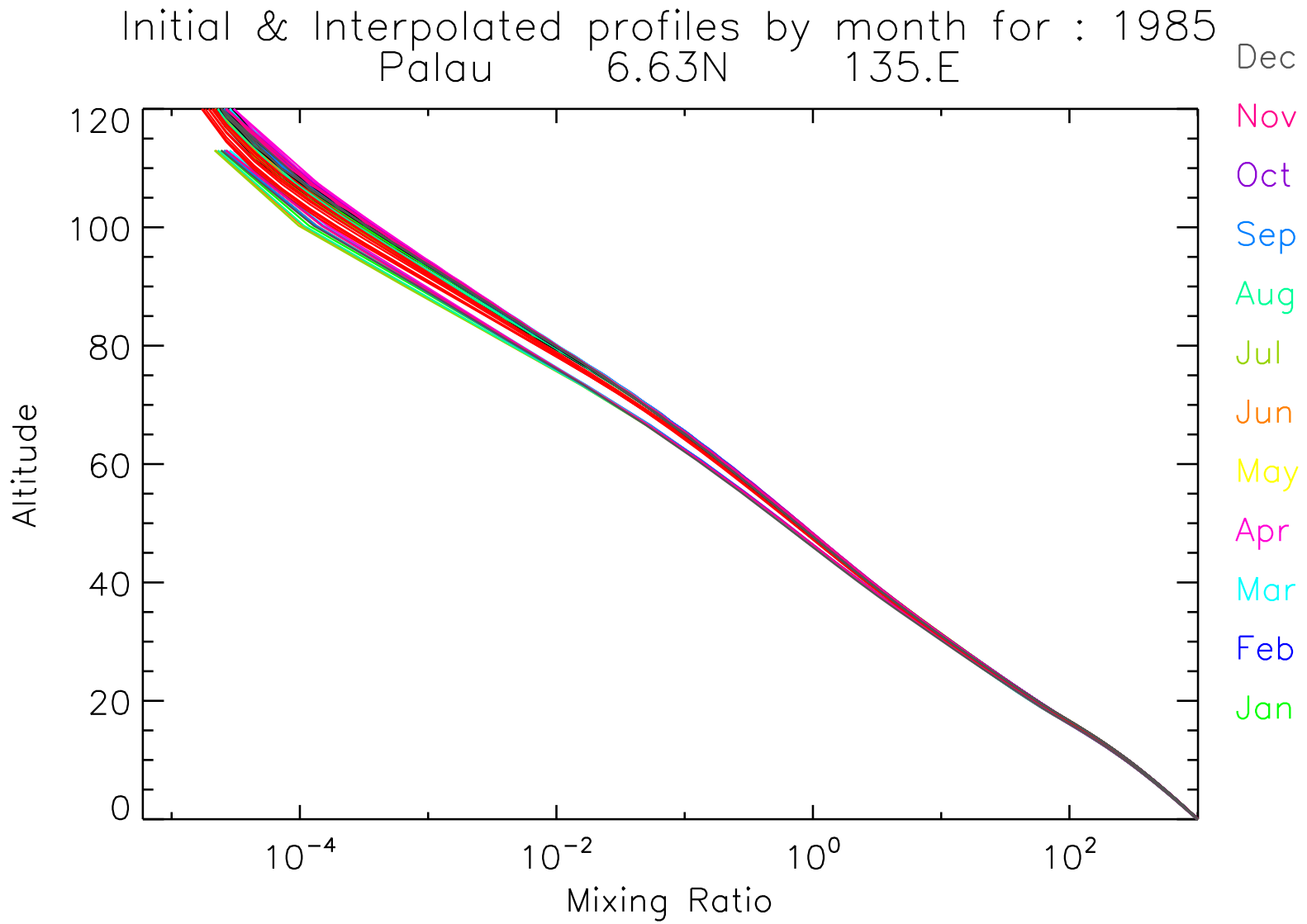
Initial & Interpolated profiles by month for : 1985
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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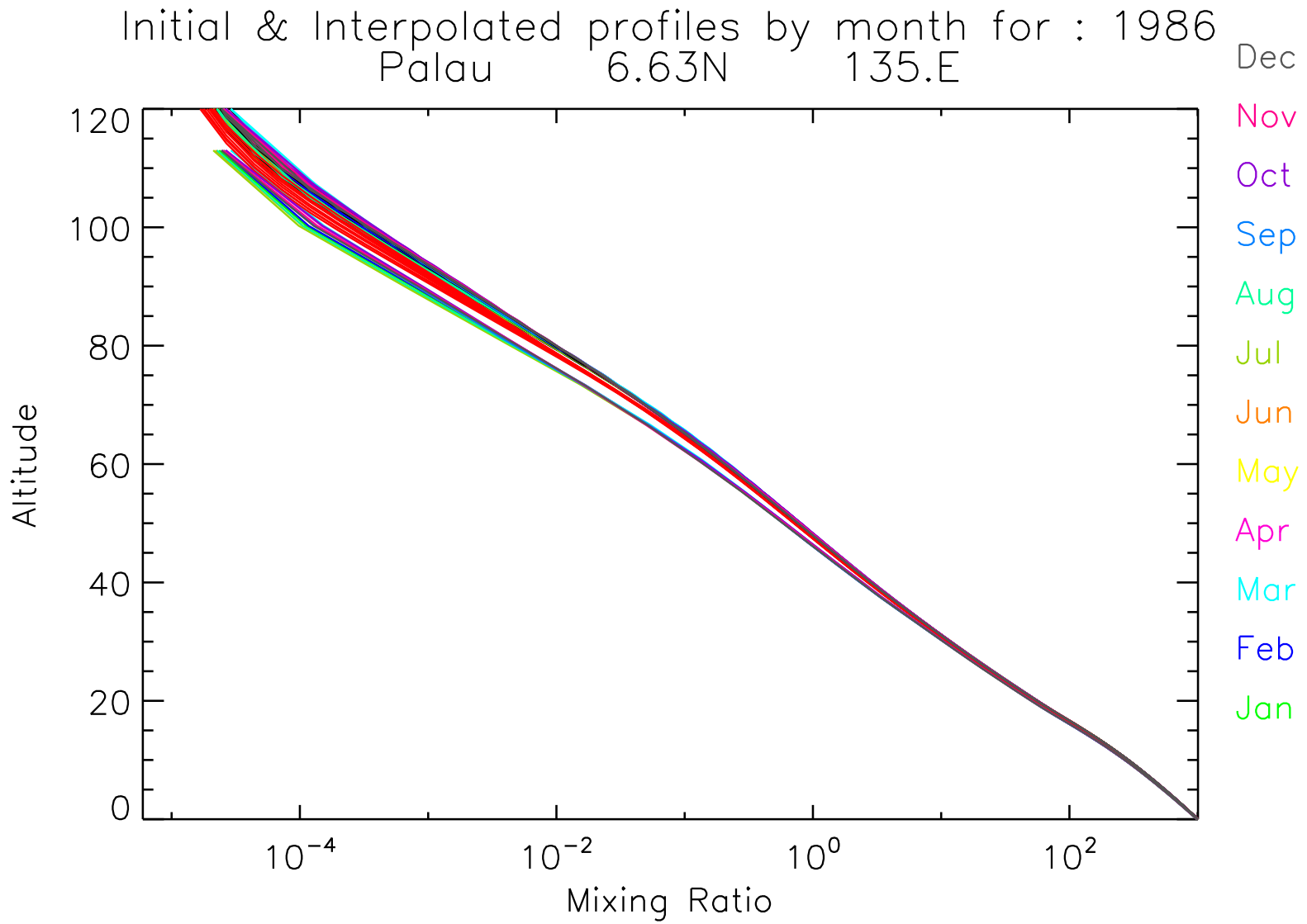
Initial & Interpolated profiles by month for : 1986
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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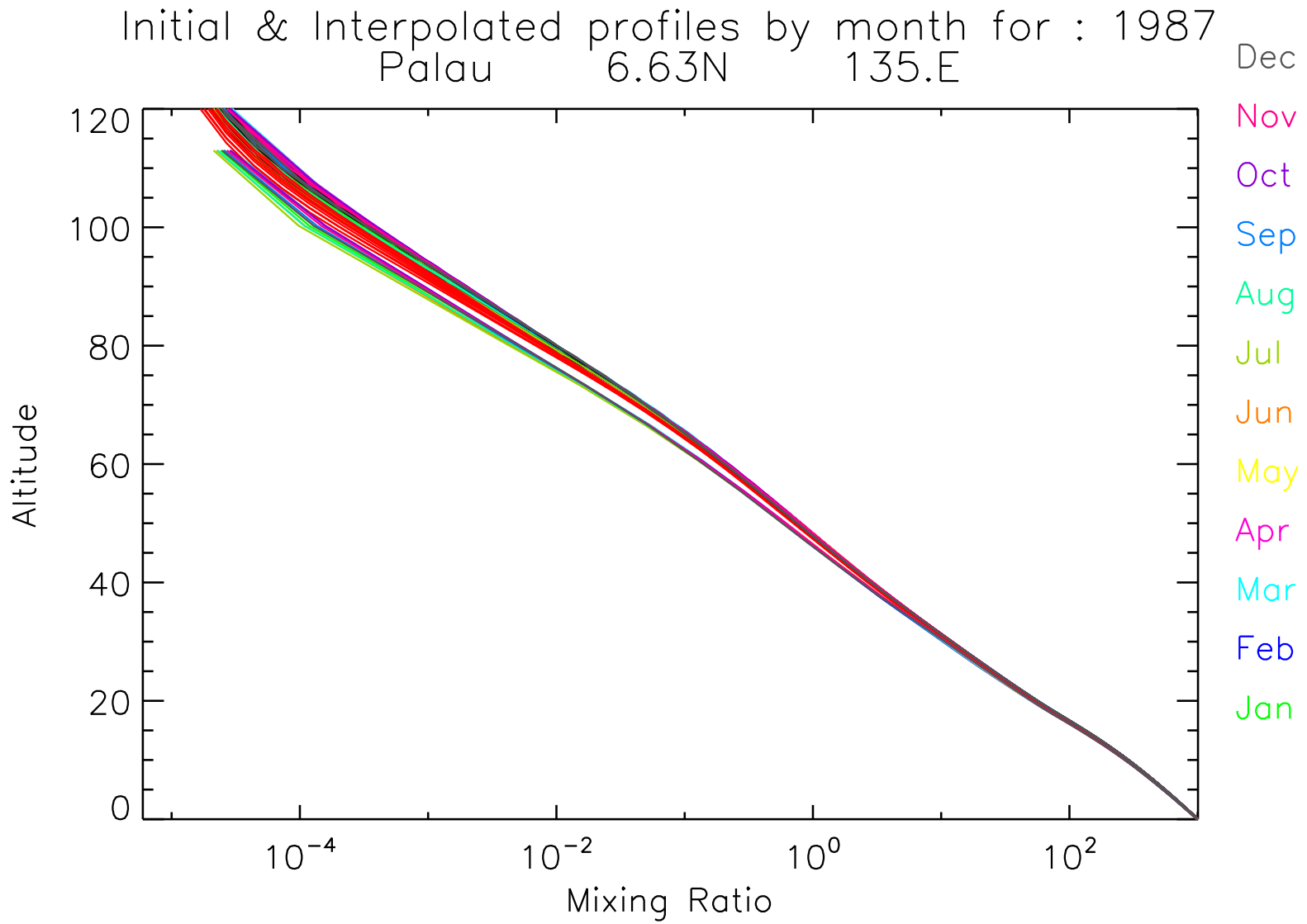
Initial & Interpolated profiles by month for : 1987
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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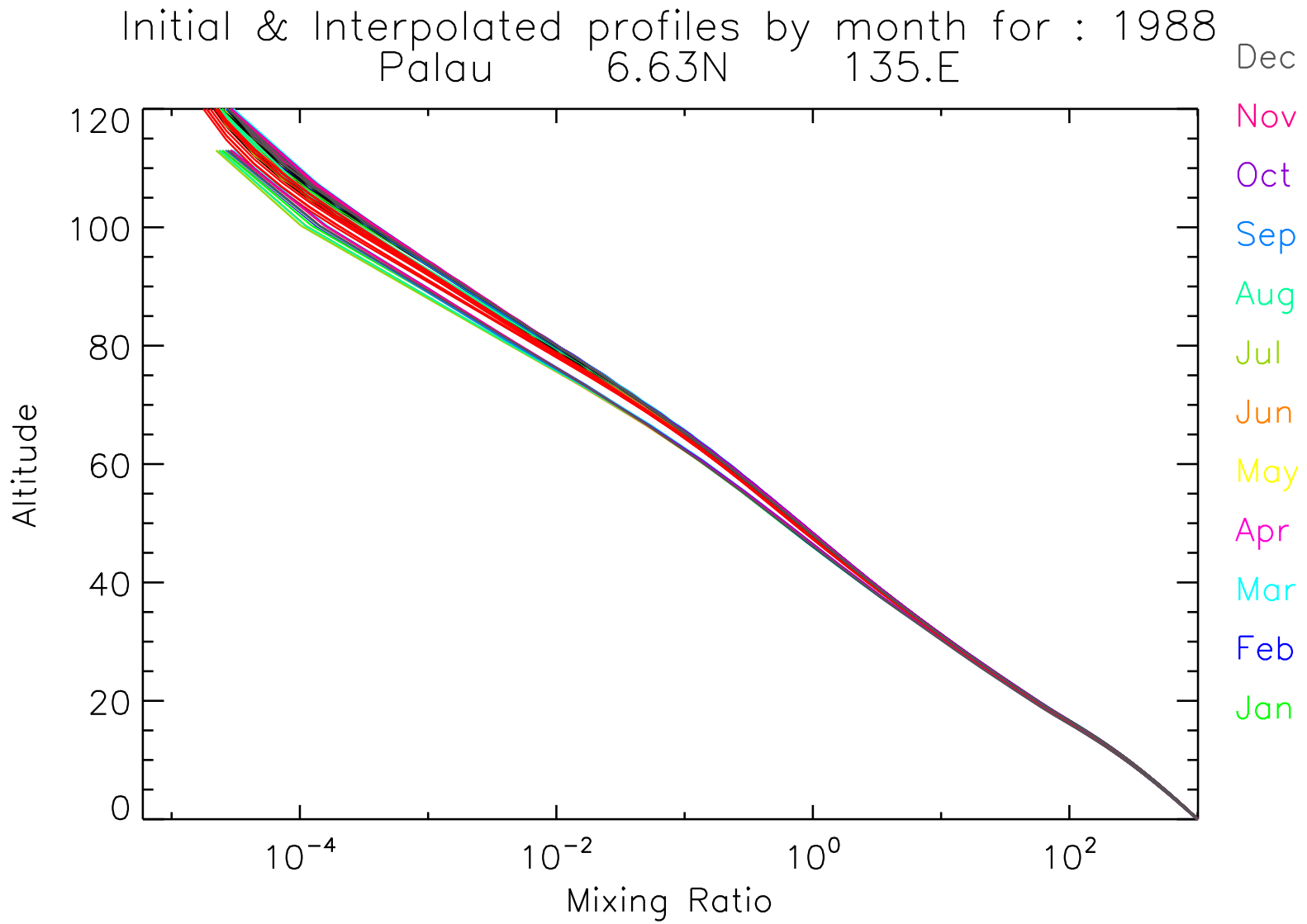
Initial & Interpolated profiles by month for : 1988
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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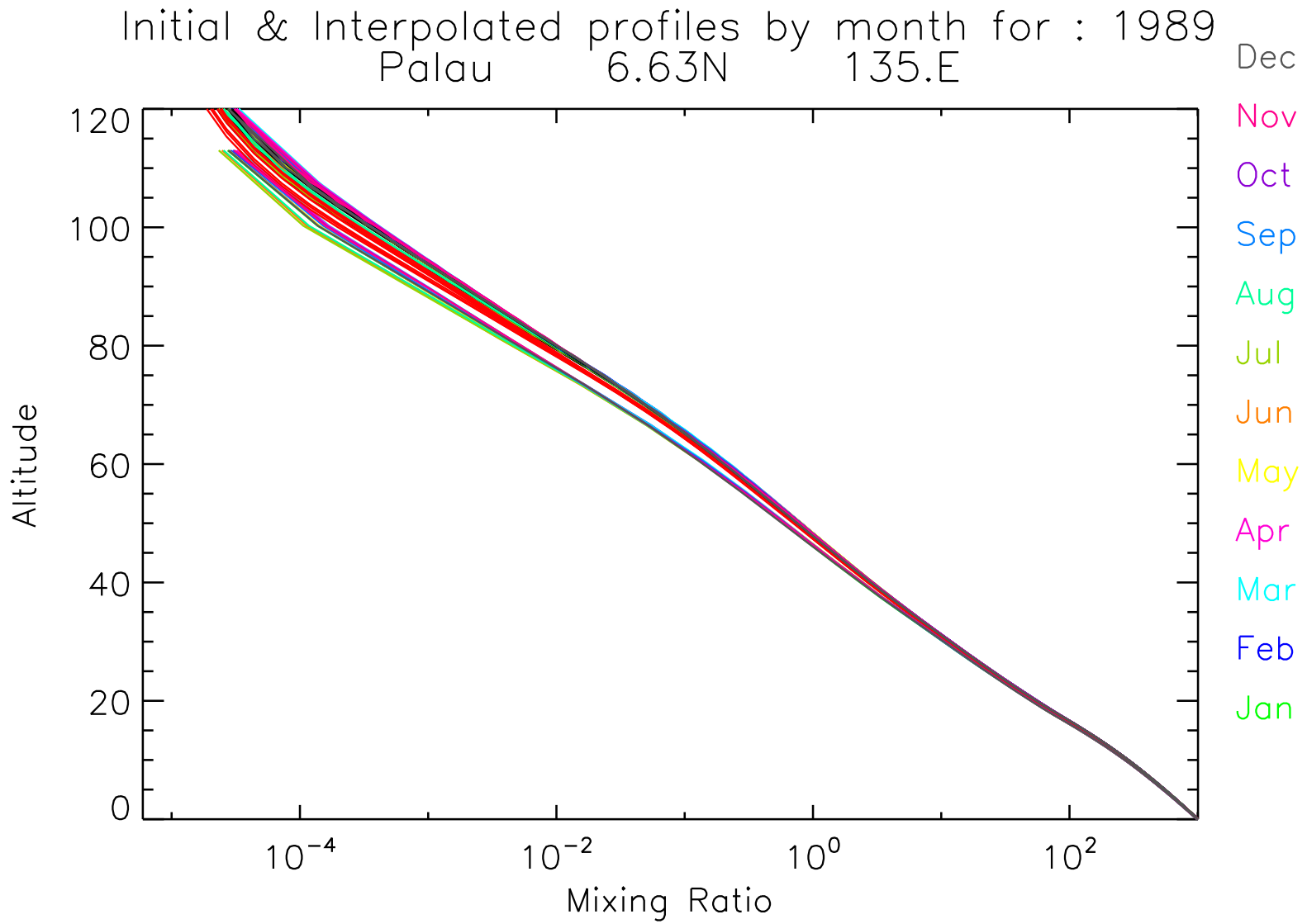
Initial & Interpolated profiles by month for : 1989
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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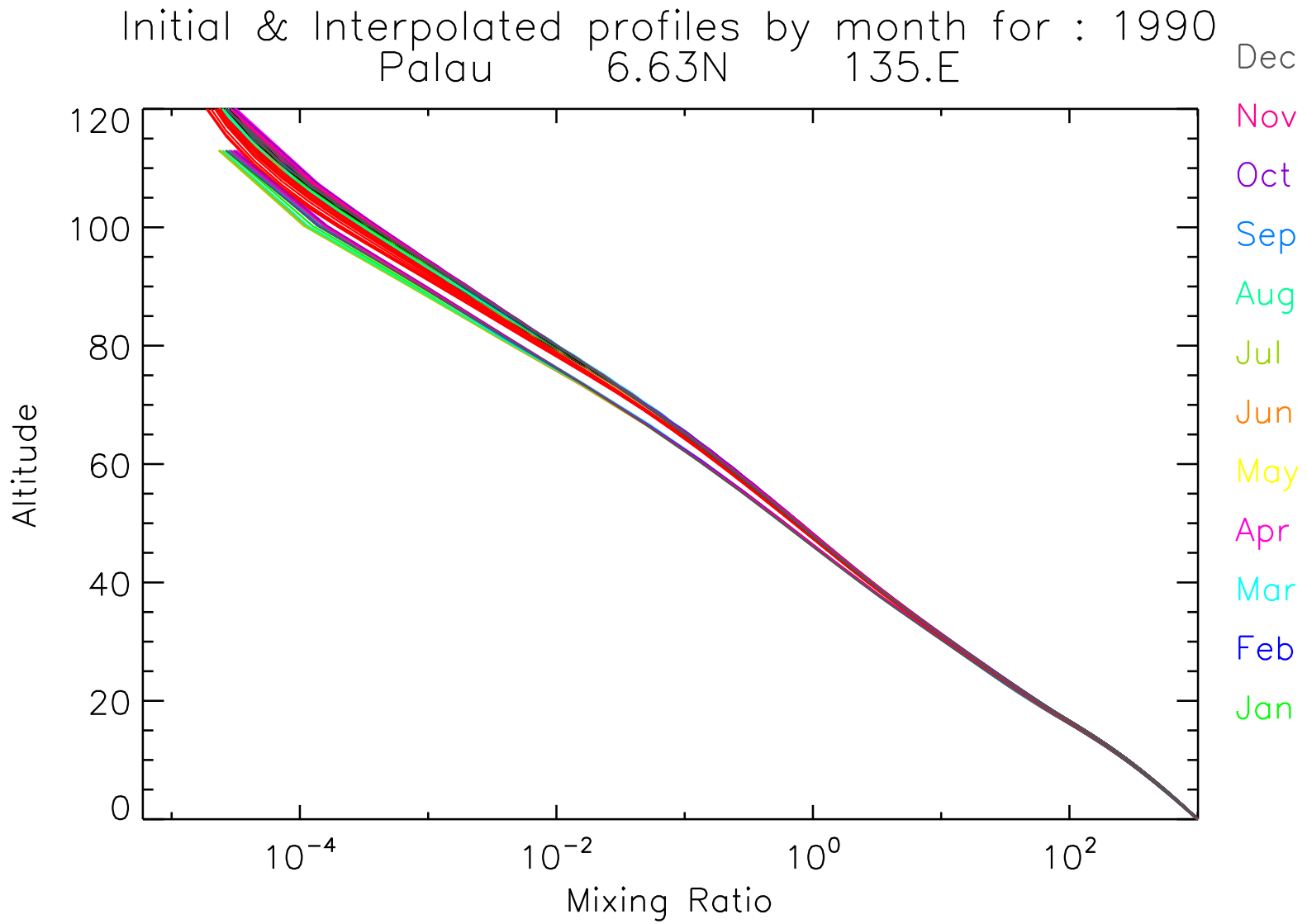
Initial & Interpolated profiles by month for : 1990
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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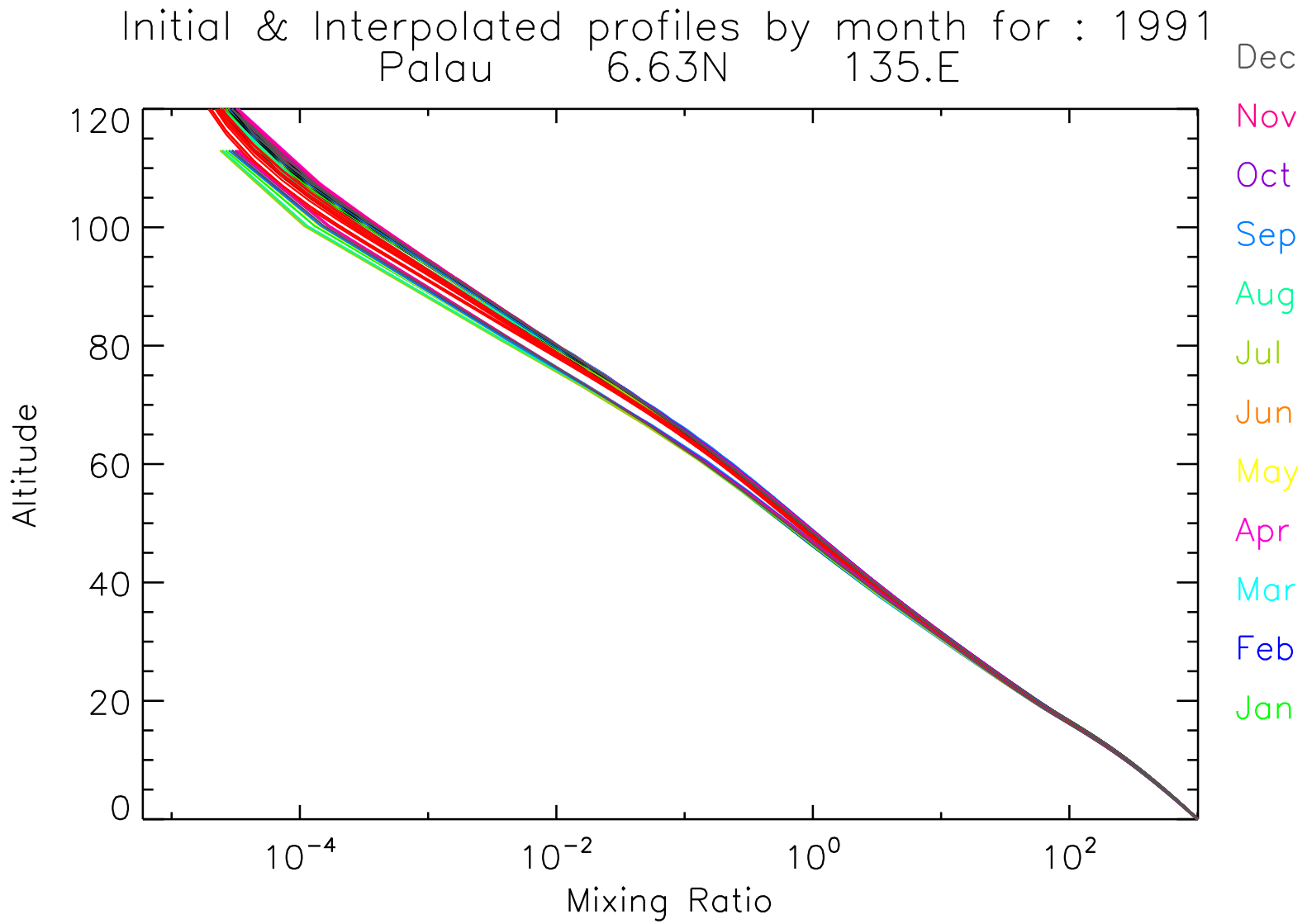
Initial & Interpolated profiles by month for : 1991
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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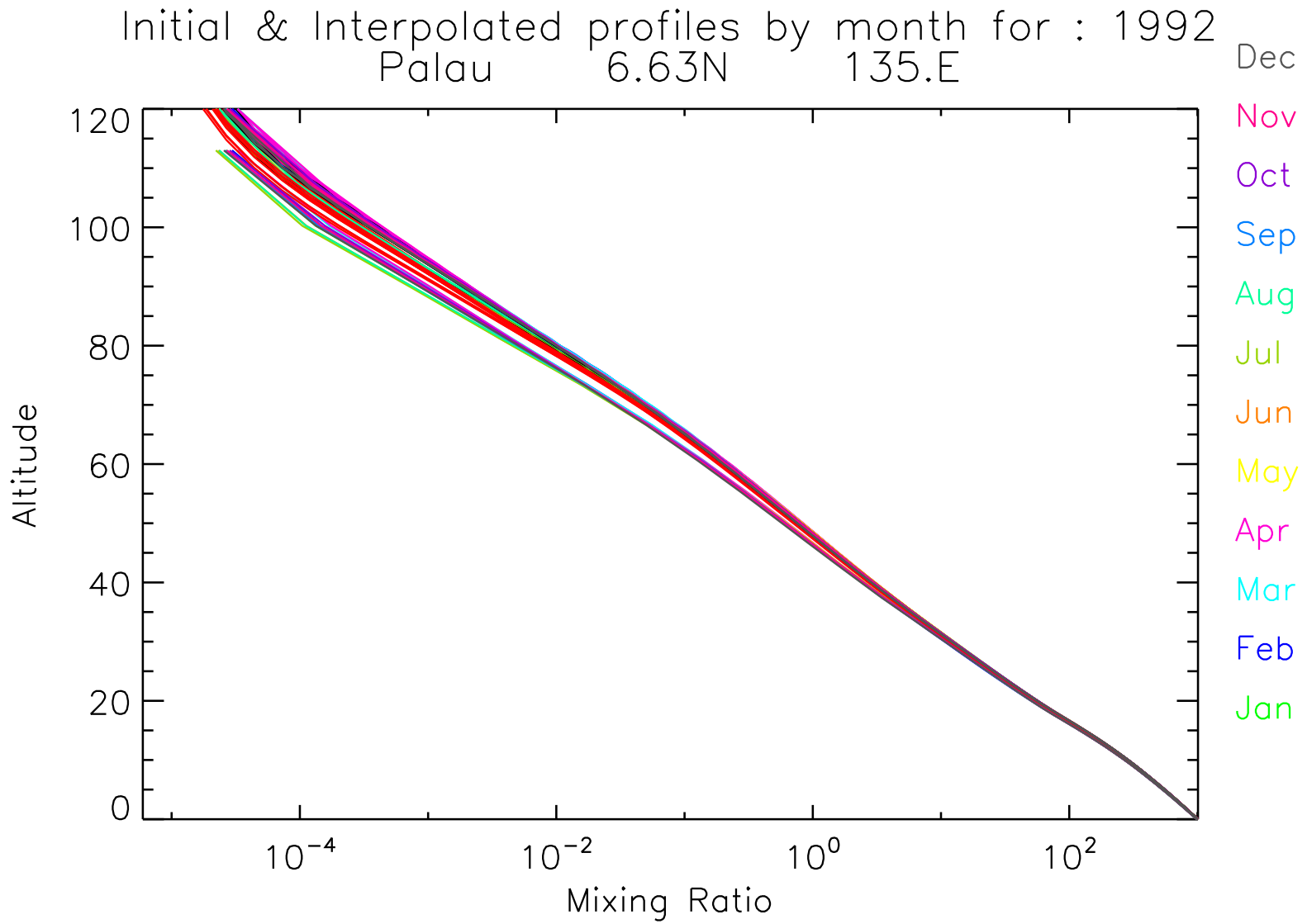
Initial & Interpolated profiles by month for : 1992
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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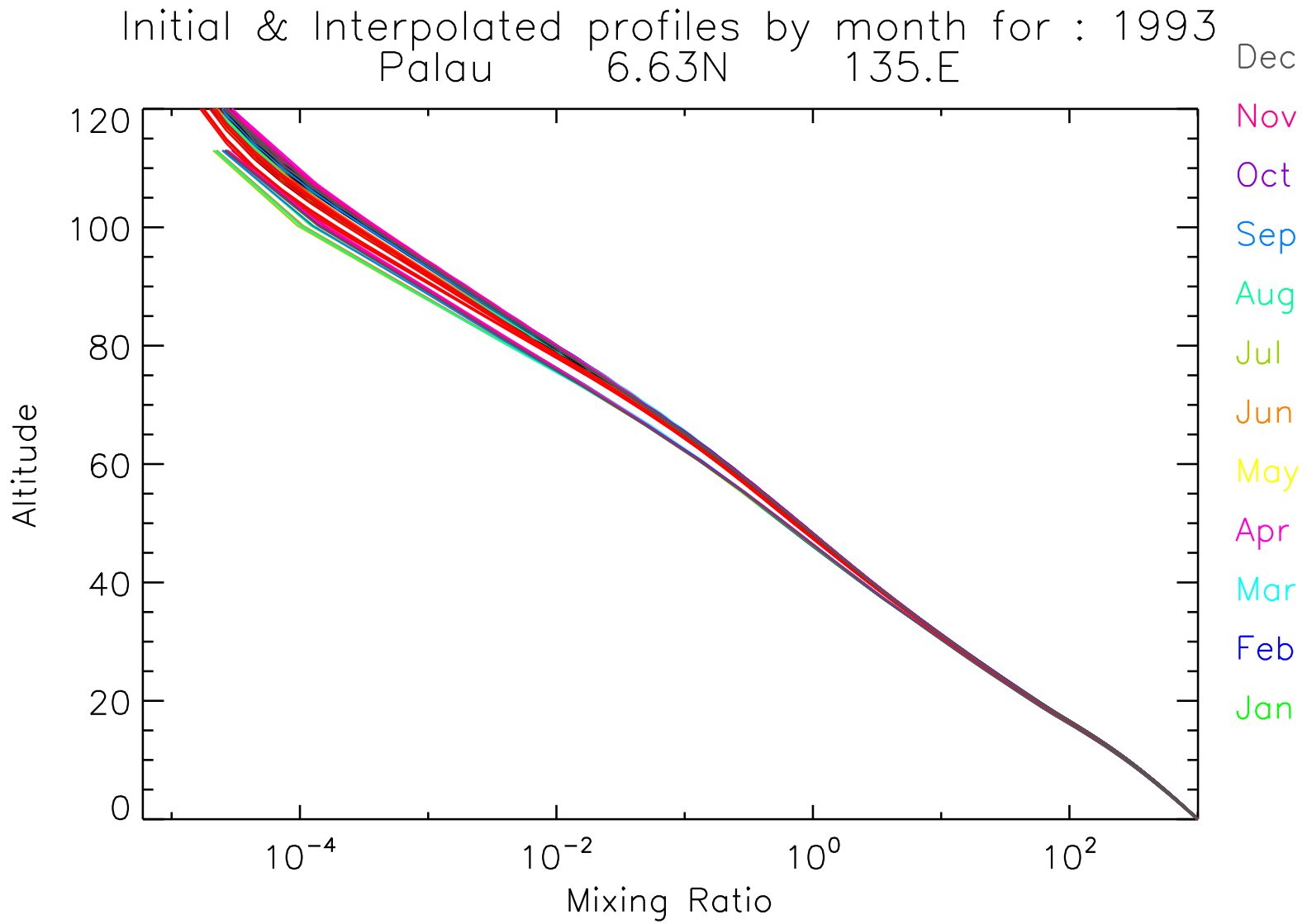
Initial & Interpolated profiles by month for : 1993
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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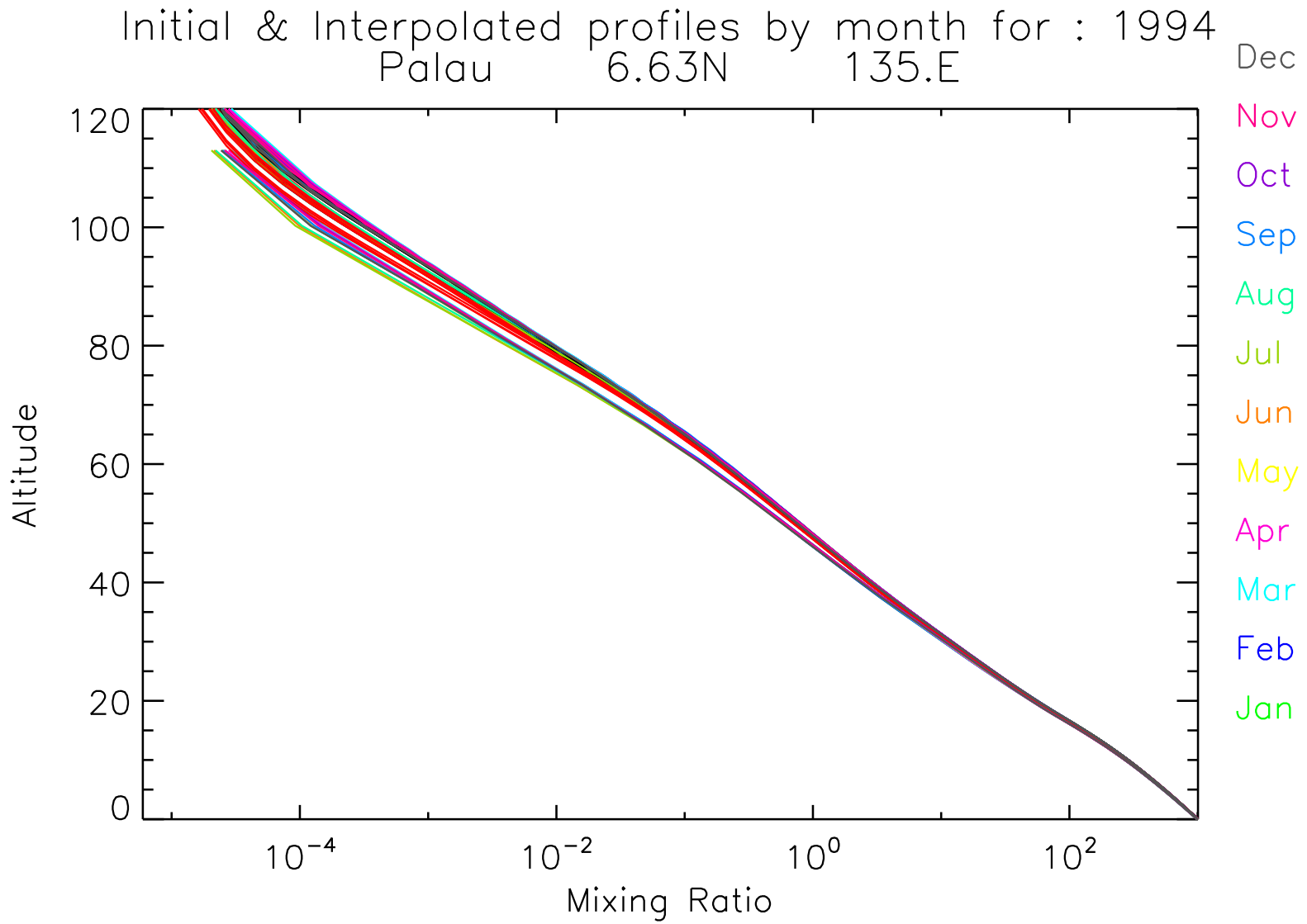
Initial & Interpolated profiles by month for : 1994
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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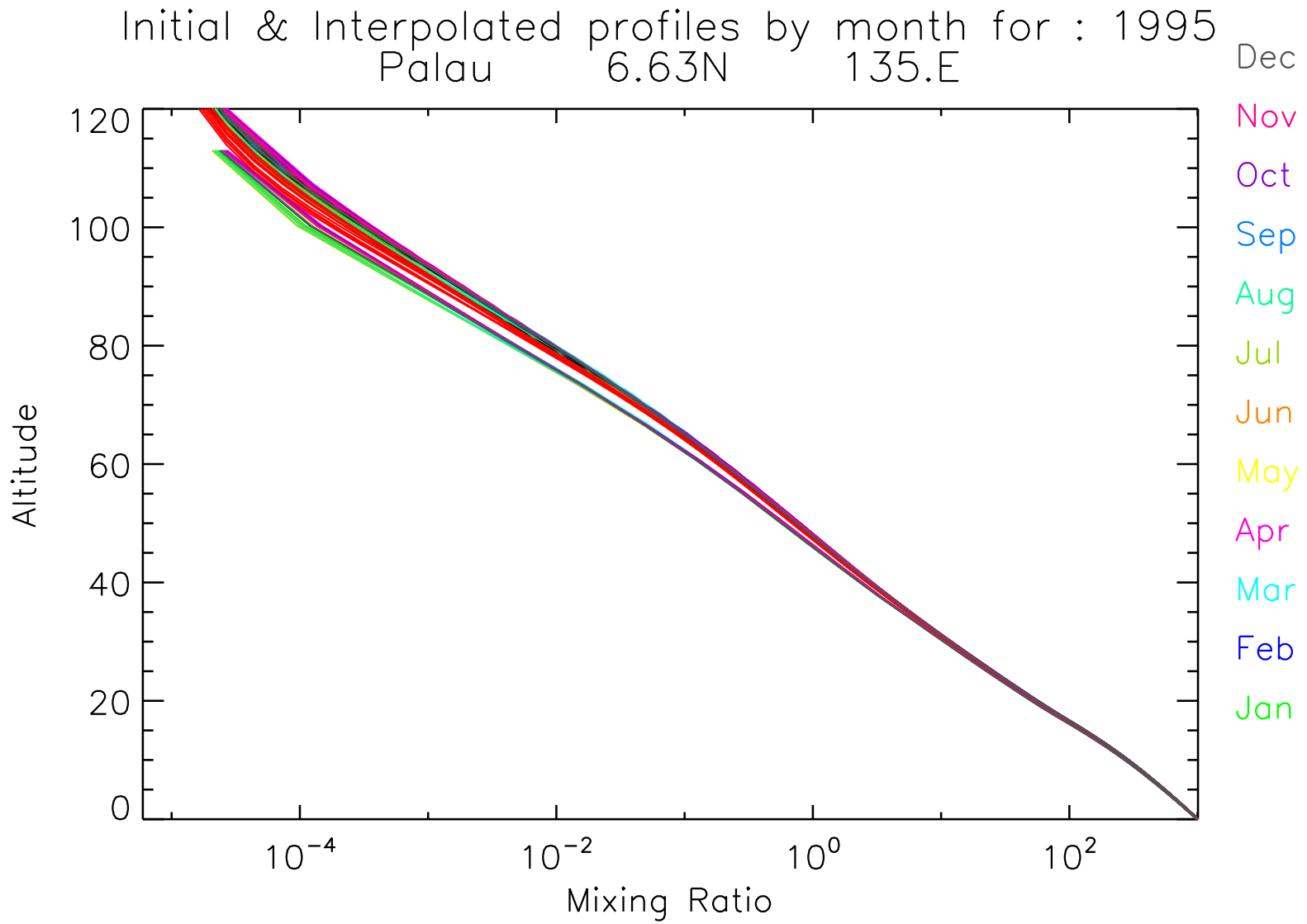
Initial & Interpolated profiles by month for : 1995
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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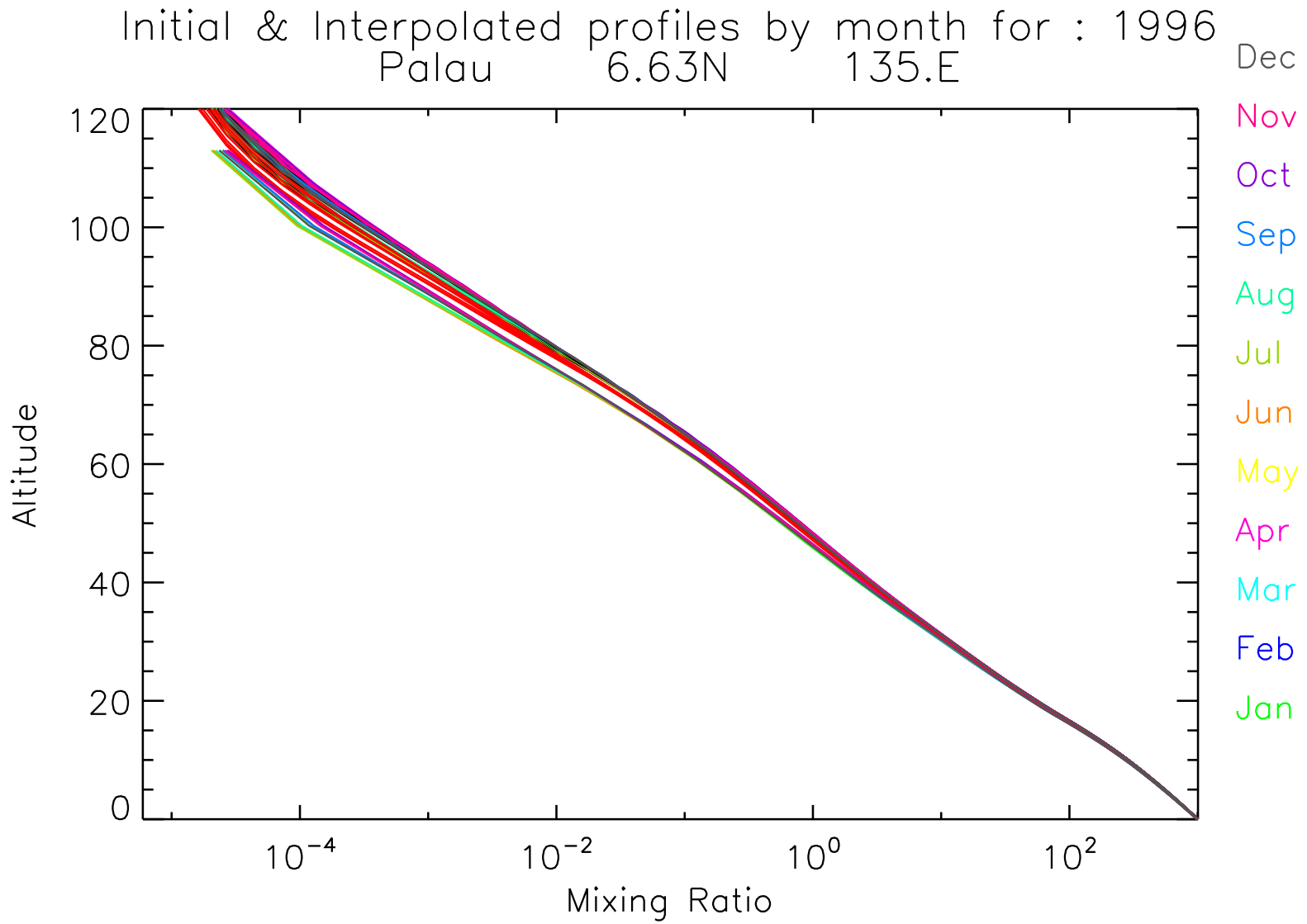
Initial & Interpolated profiles by month for : 1996
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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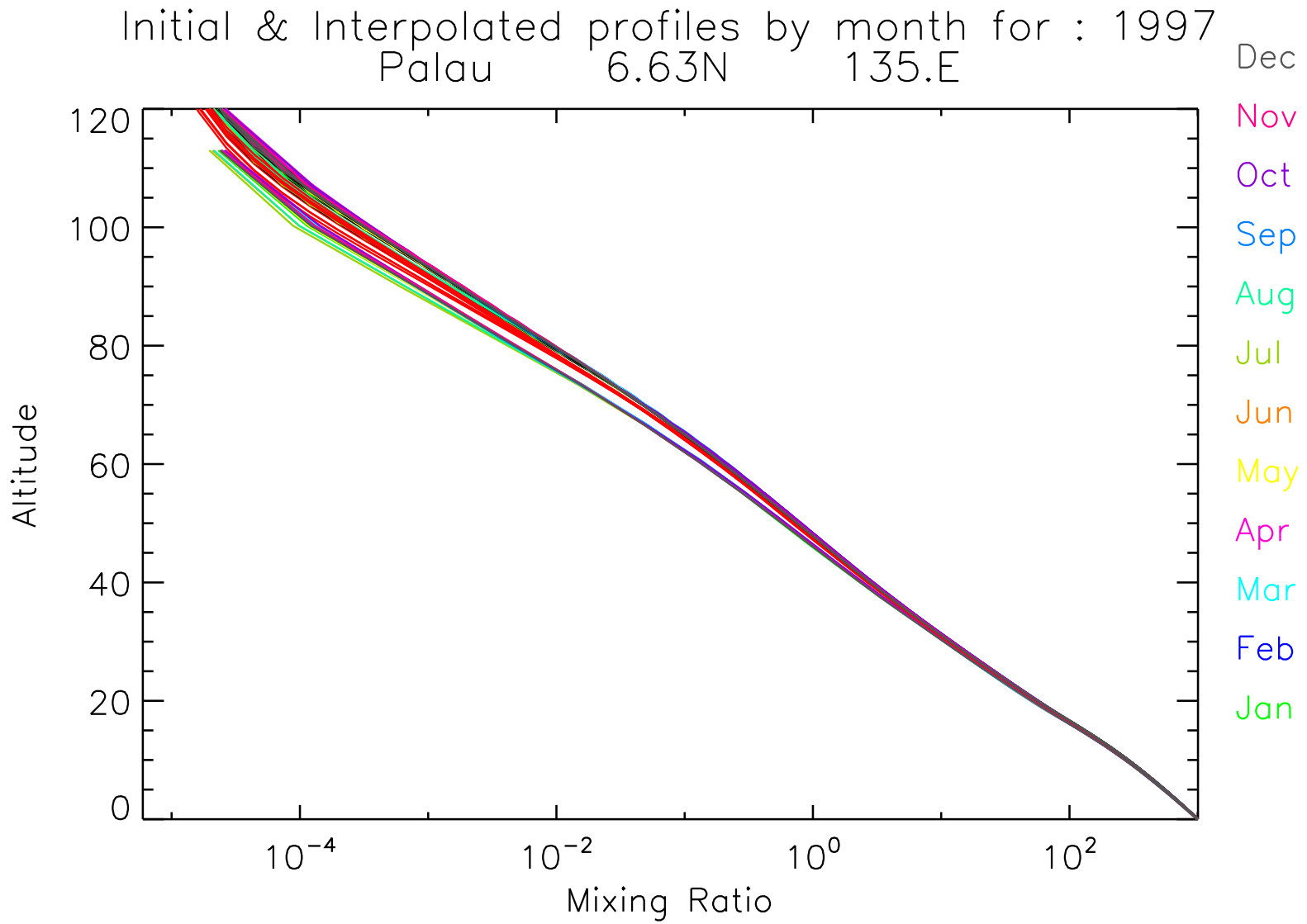
Initial & Interpolated profiles by month for : 1997
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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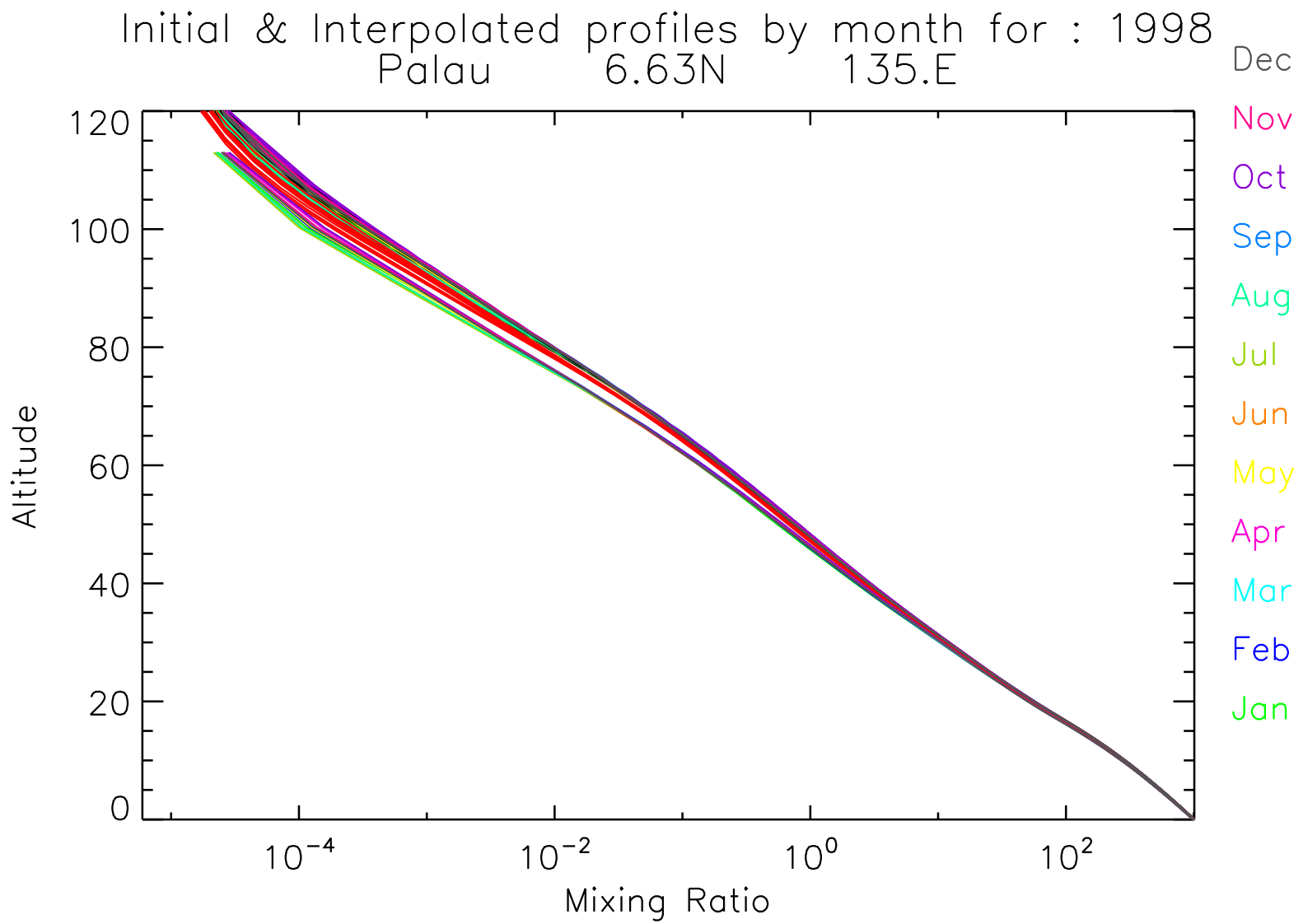
Initial & Interpolated profiles by month for : 1998
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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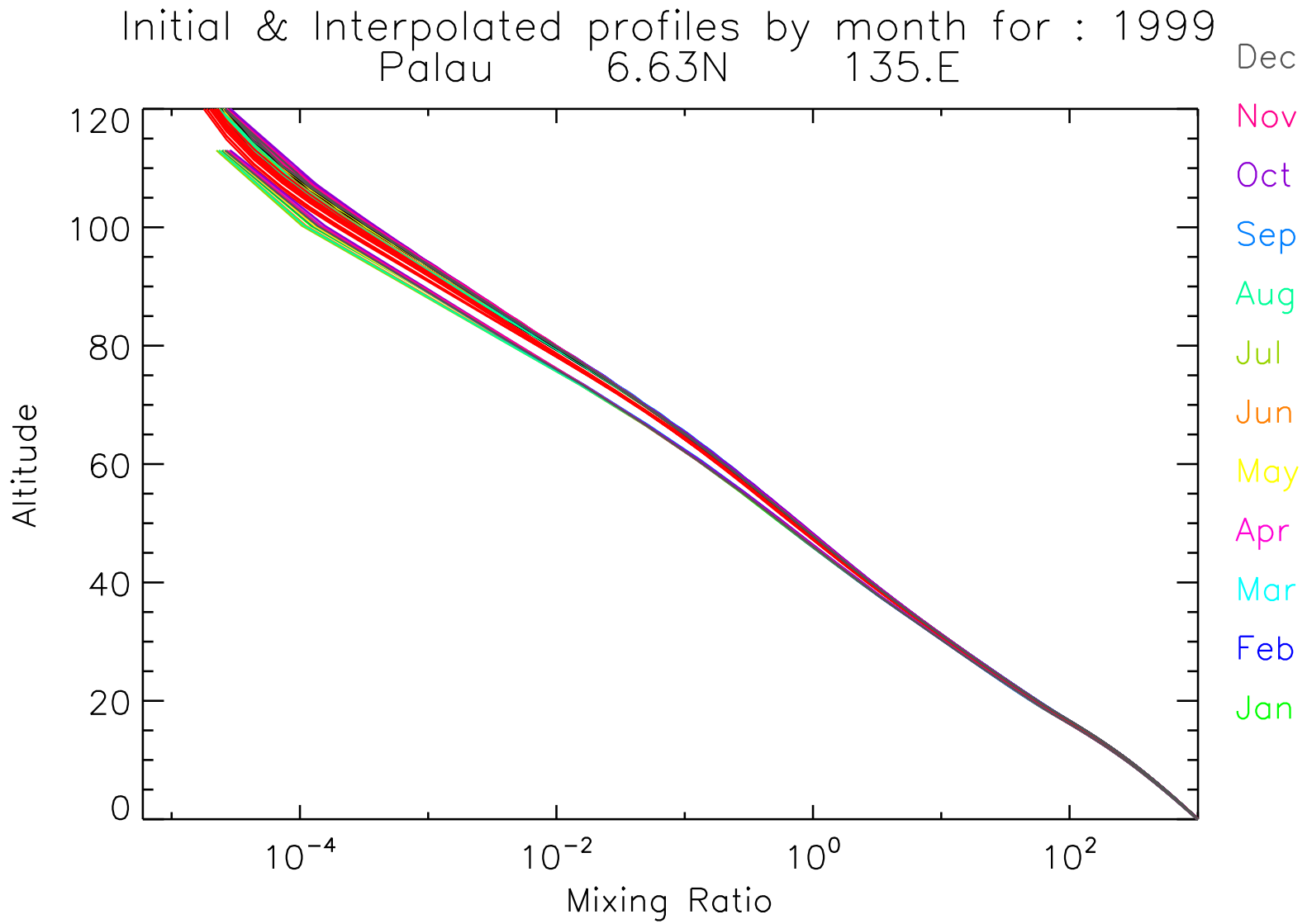
Initial & Interpolated profiles by month for : 1999
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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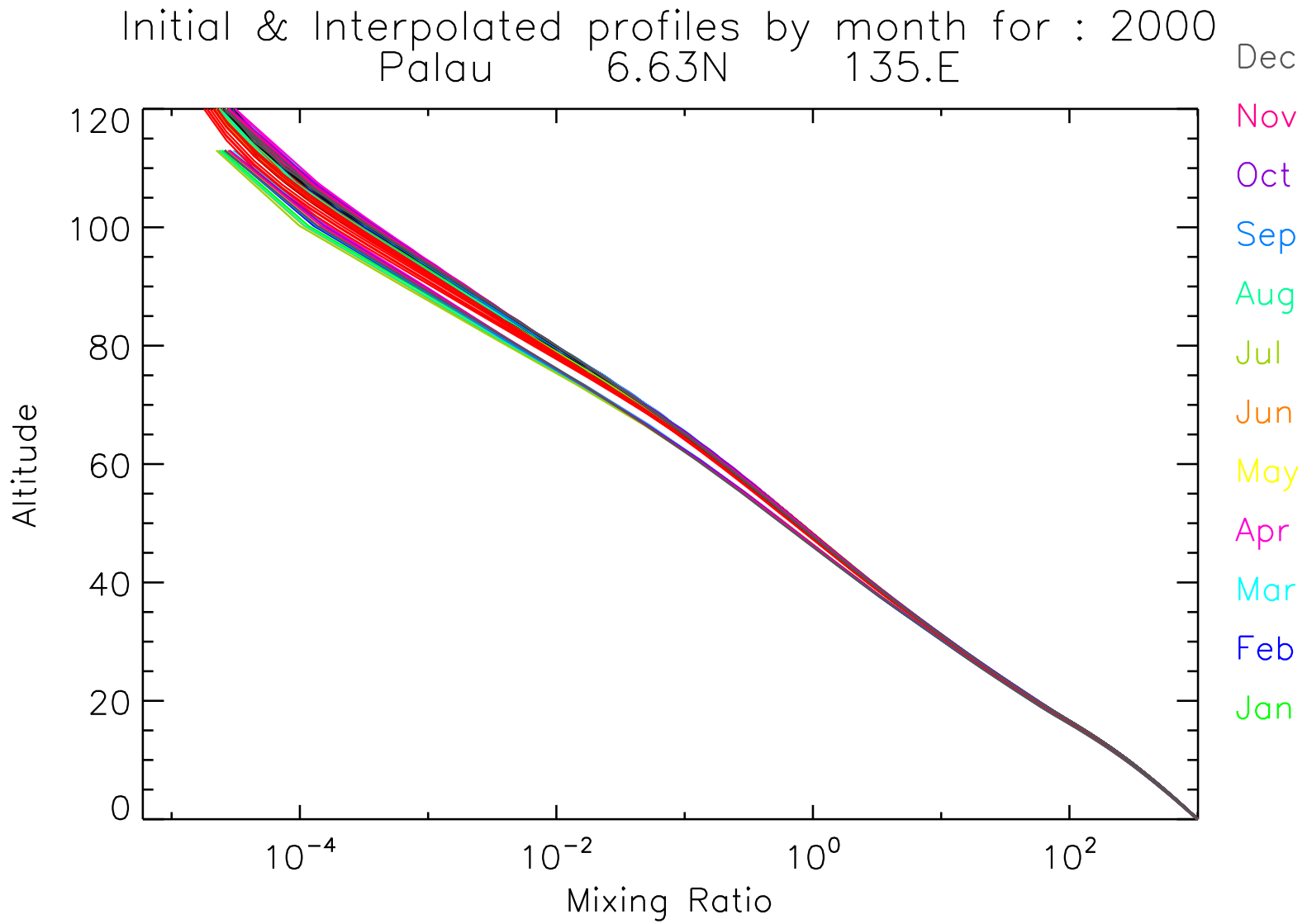
Initial & Interpolated profiles by month for : 2000
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Altitude
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Mixing Ratio
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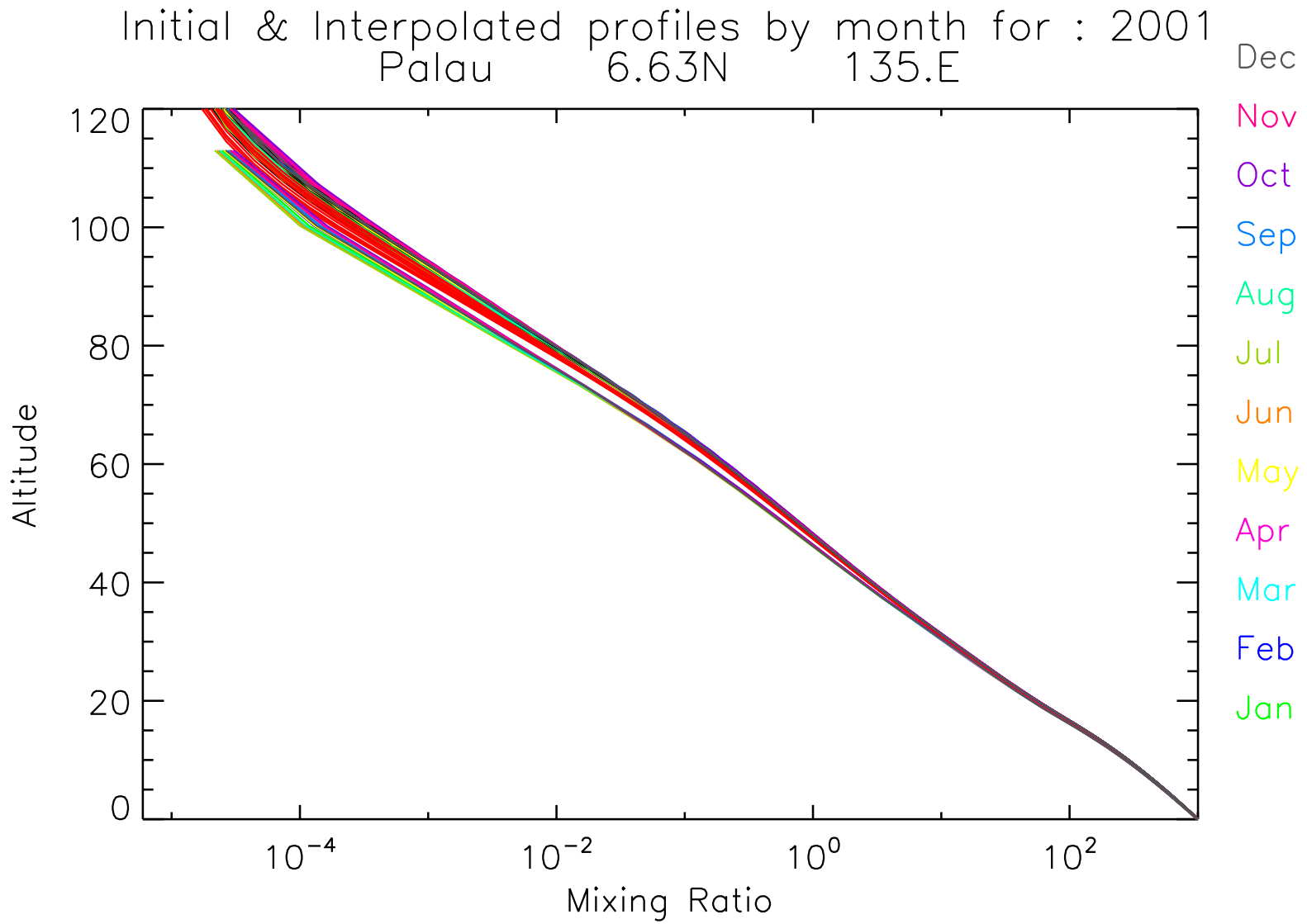
Initial & Interpolated profiles by month for : 2001
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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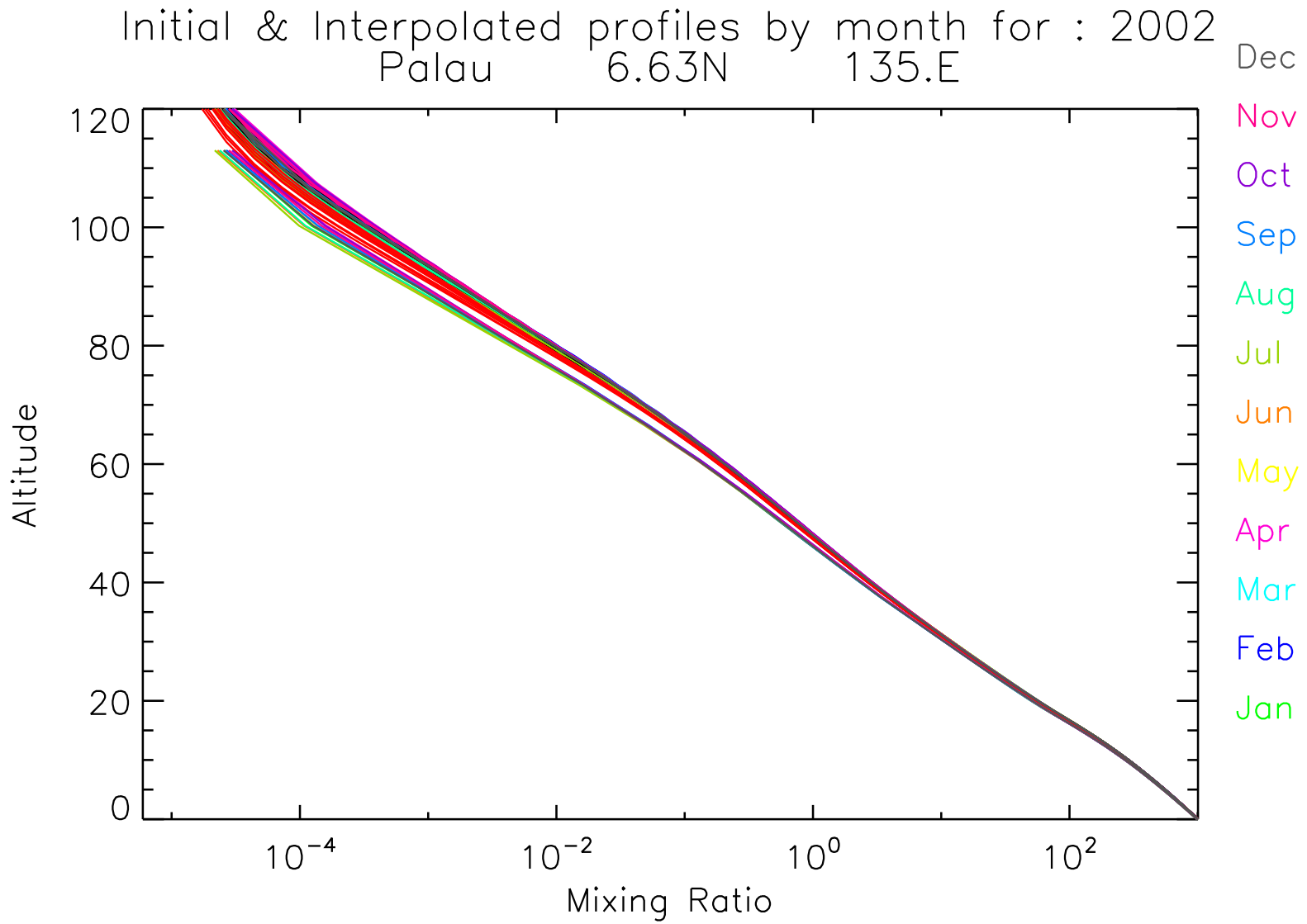
Initial & Interpolated profiles by month for : 2002
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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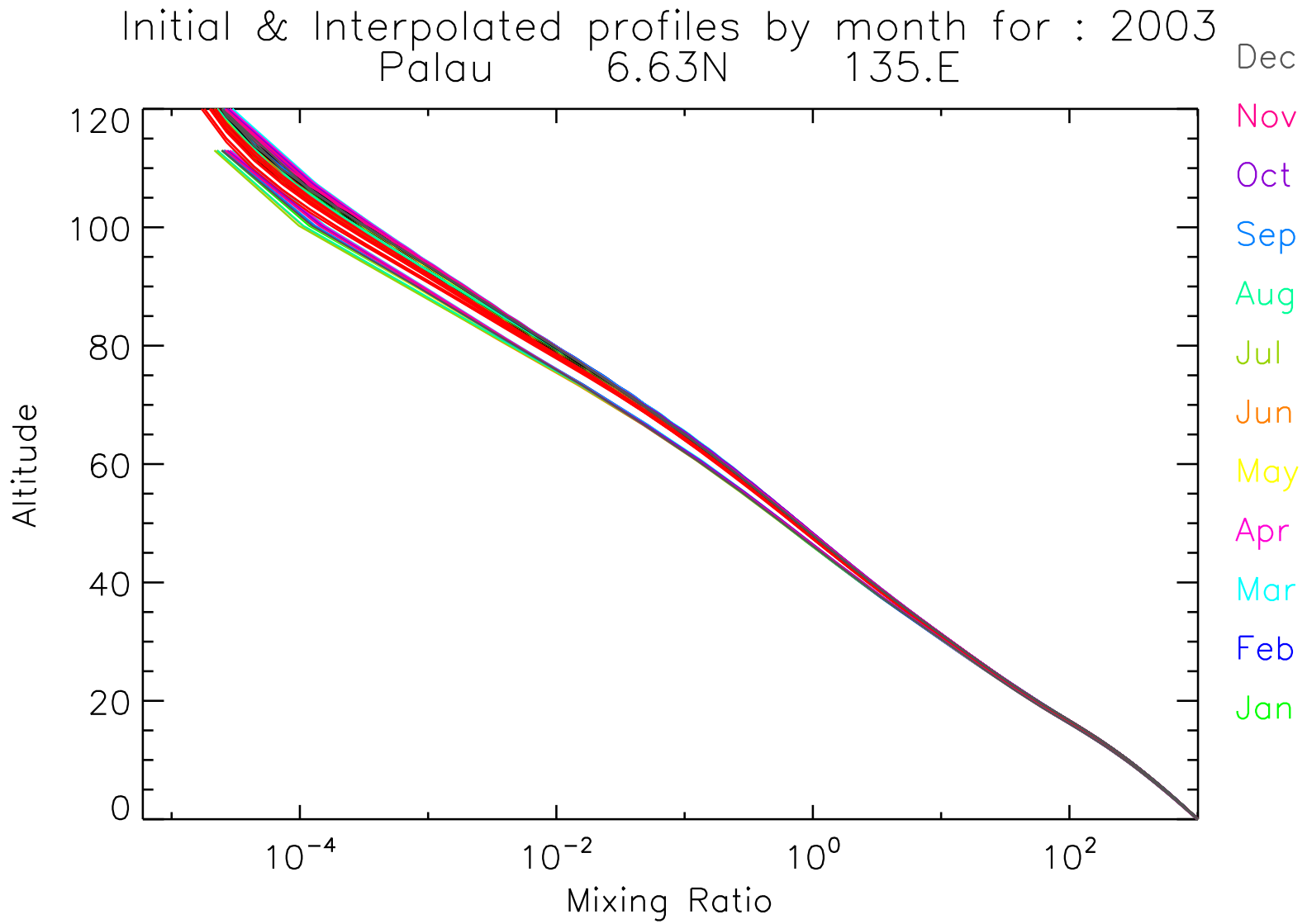
Initial & Interpolated profiles by month for : 2003
Palau 6.63N 135.E
Altitude
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10^{-4}
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Mixing Ratio
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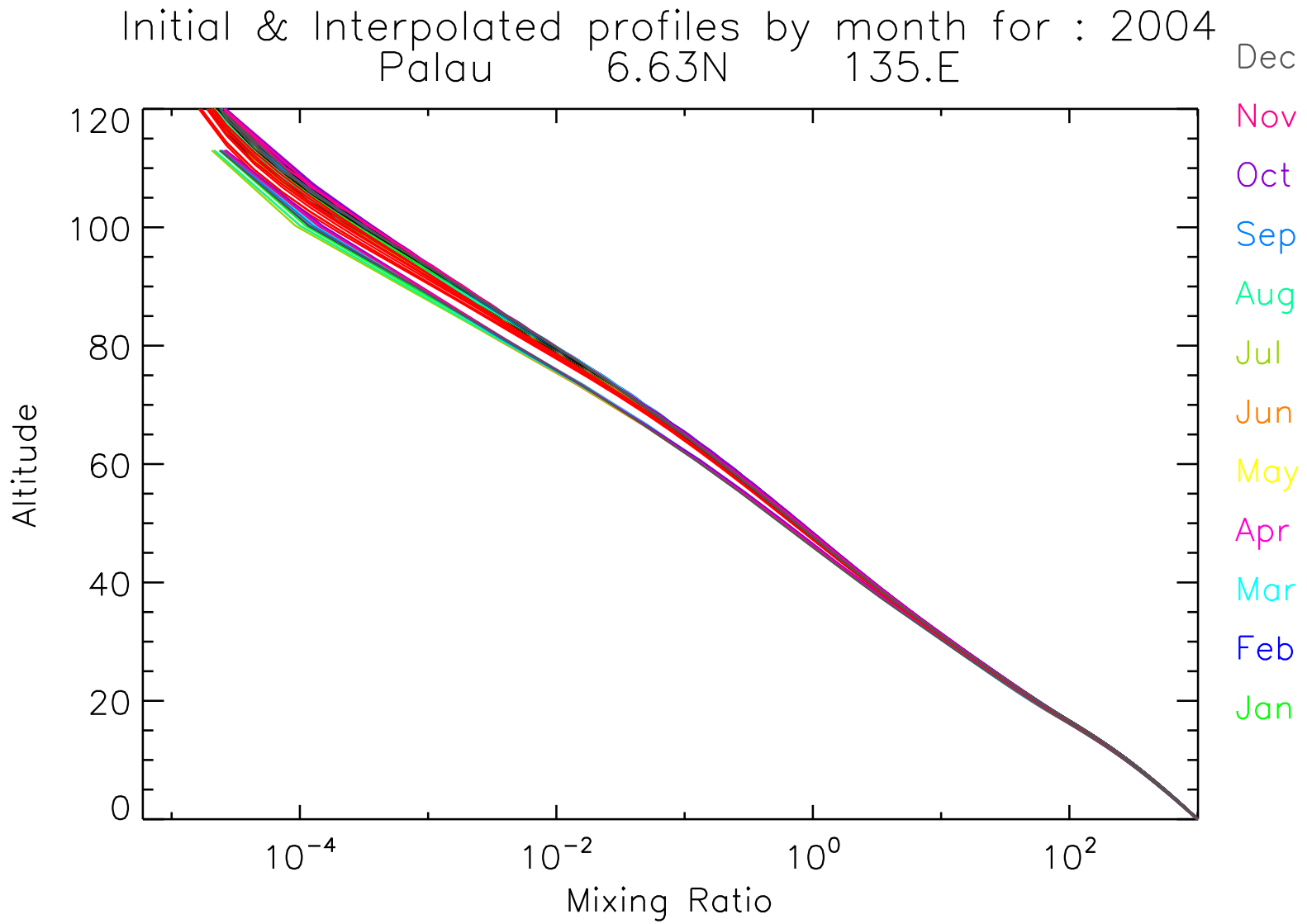
Initial & Interpolated profiles by month for : 2004
Palau 6.63N 135.E
Altitude
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10^{-4}
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Mixing Ratio
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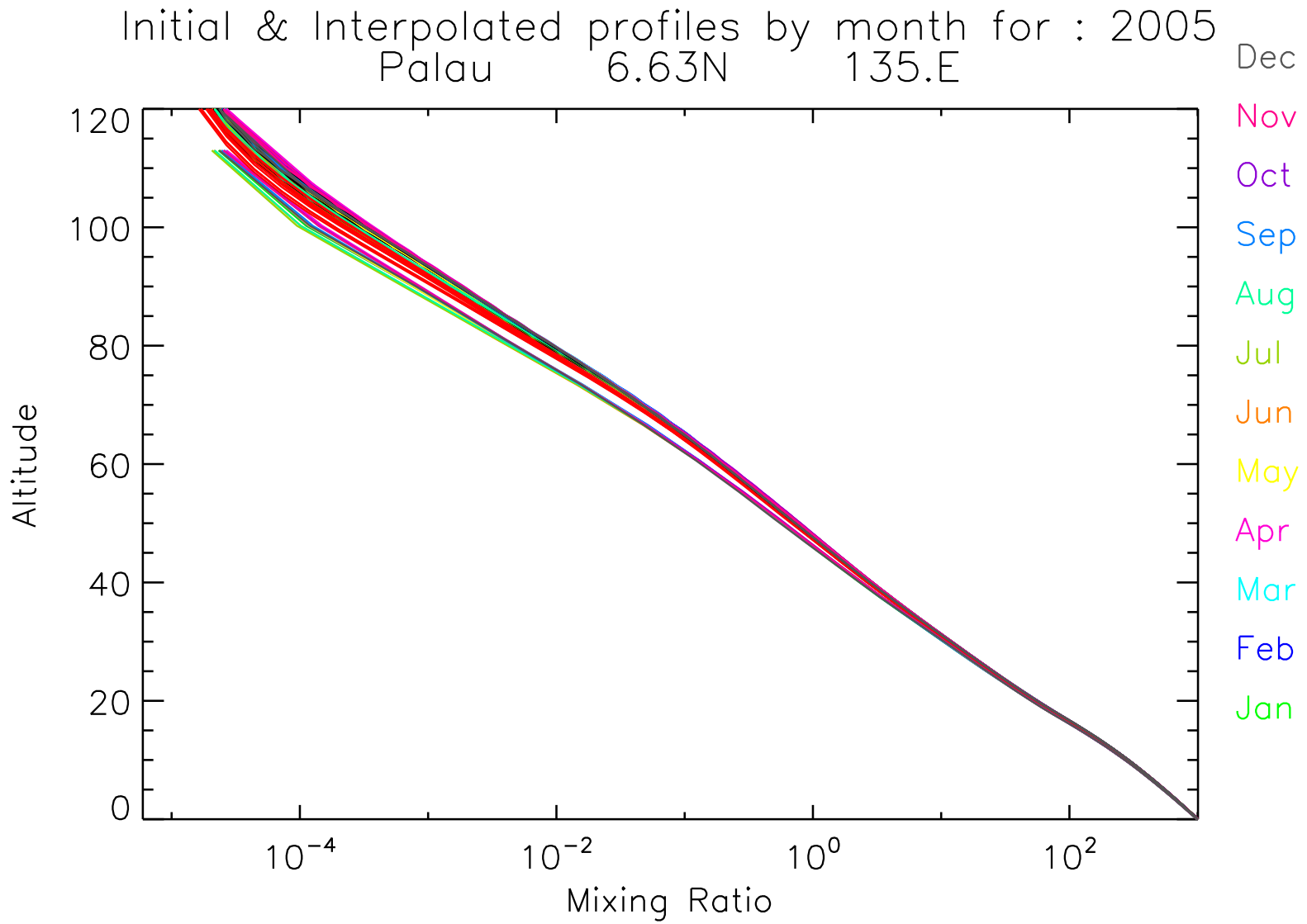
Initial & Interpolated profiles by month for : 2005
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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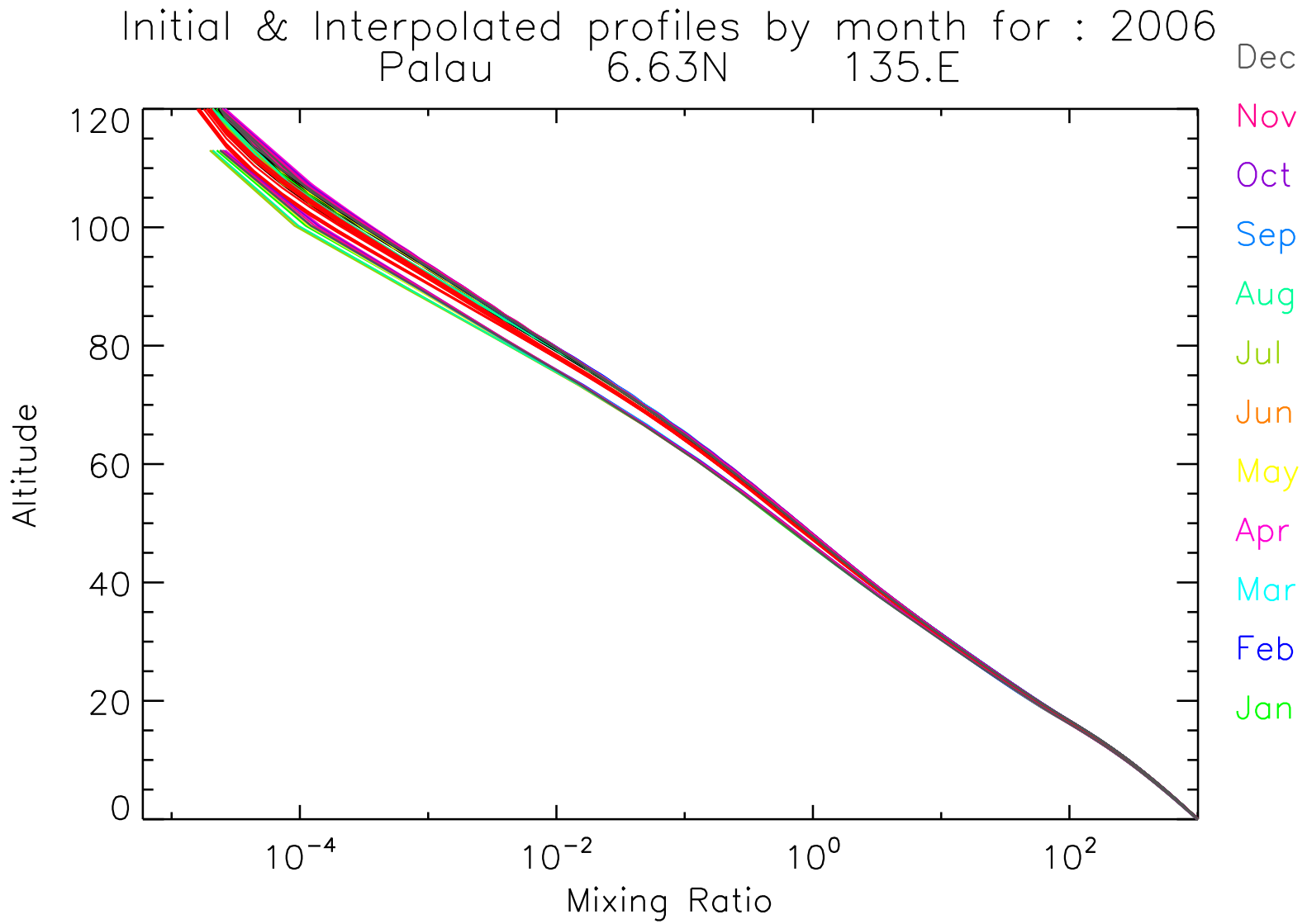
Initial & Interpolated profiles by month for : 2006
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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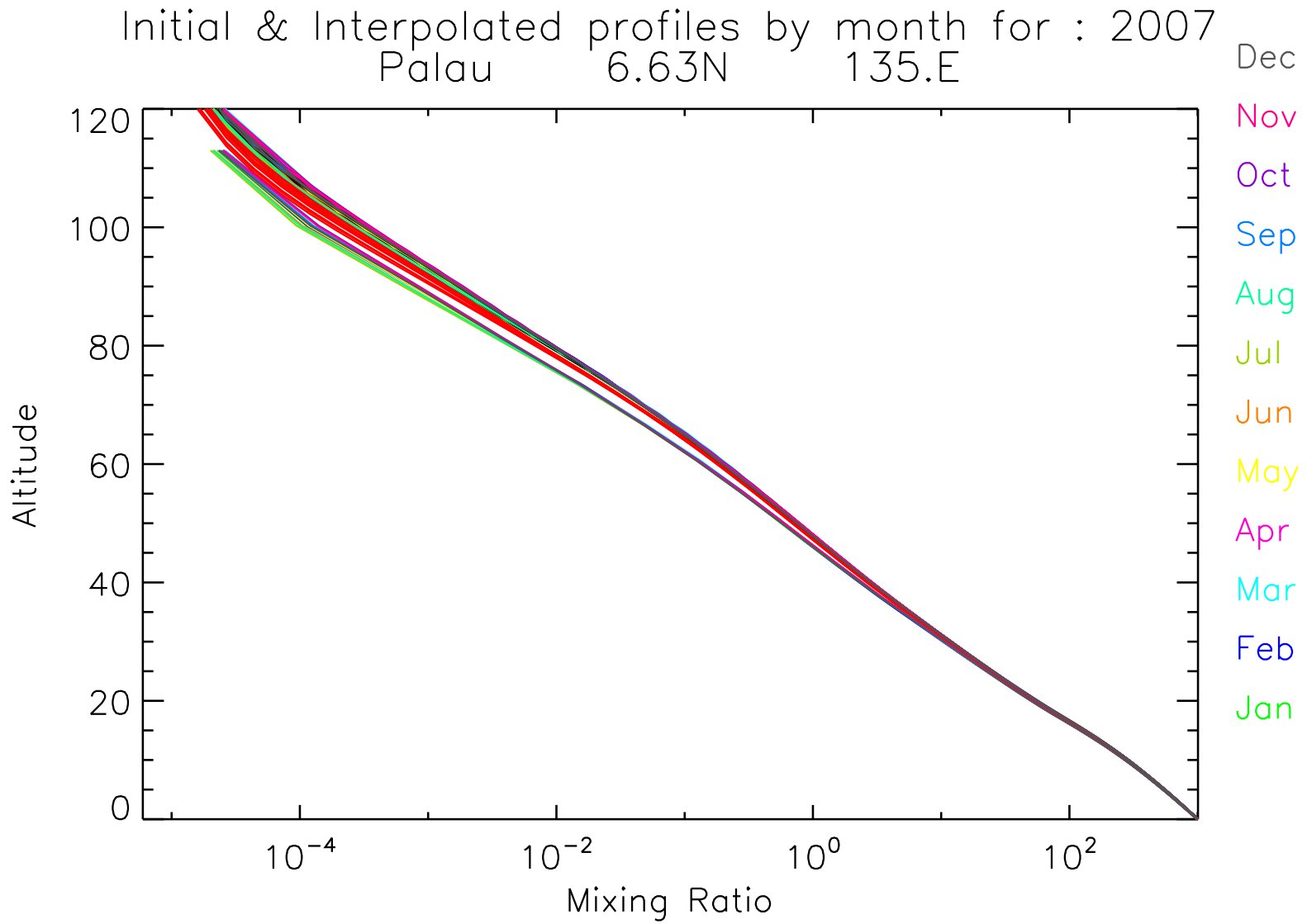
Initial & Interpolated profiles by month for : 2007
Palau 6.63N 135.E
Altitude
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10^{-4}
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Mixing Ratio
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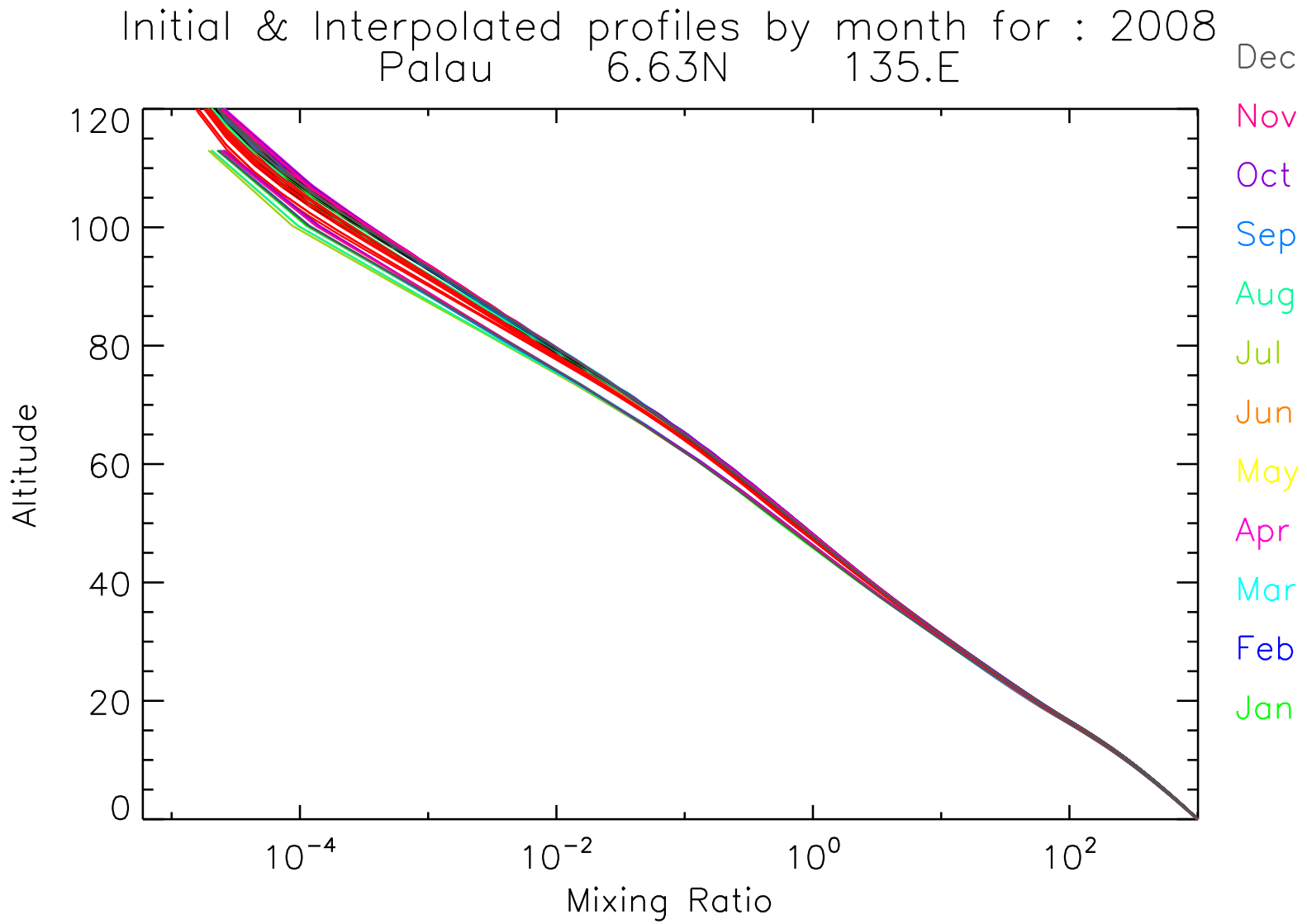
Initial & Interpolated profiles by month for : 2008
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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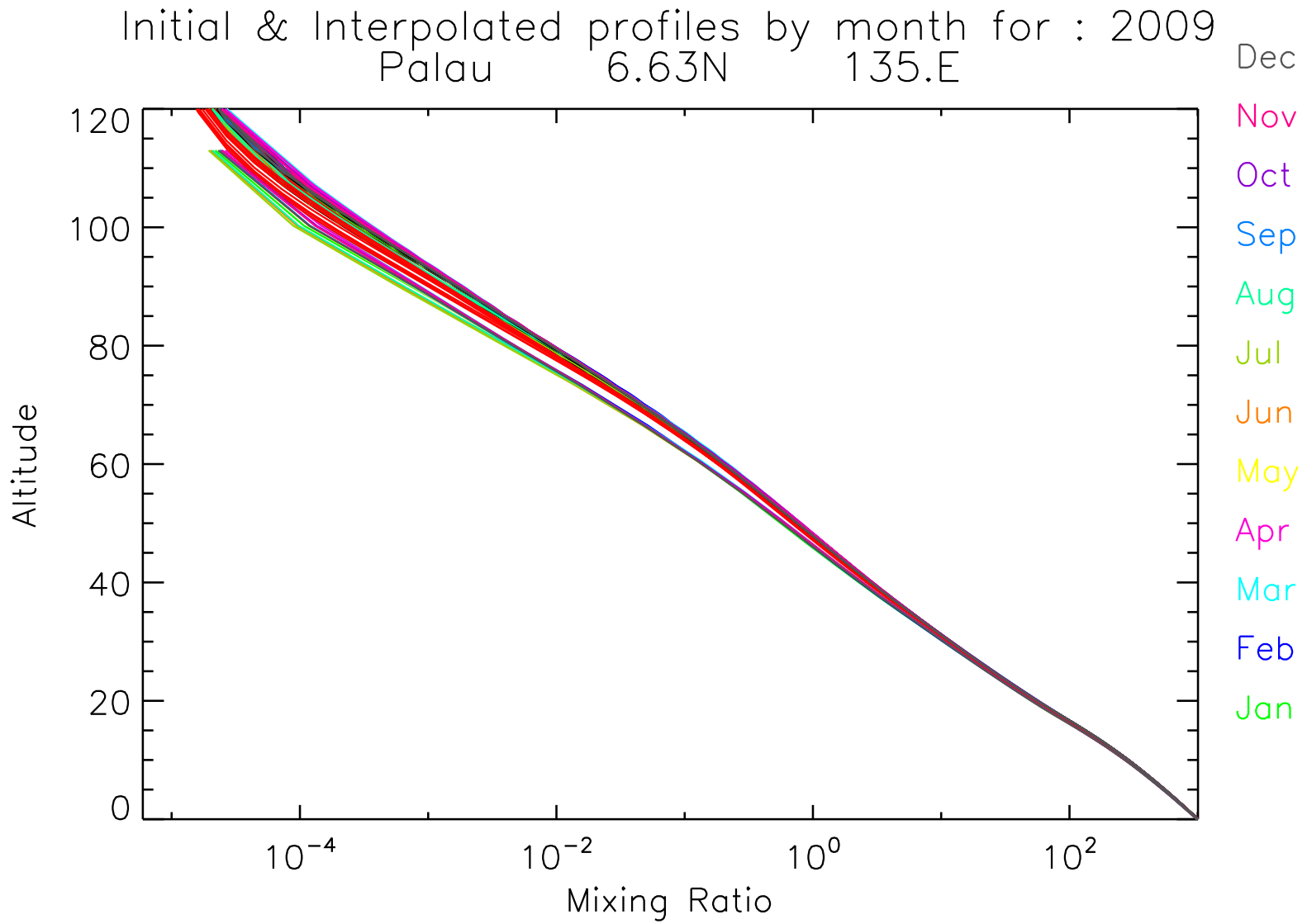
Initial & Interpolated profiles by month for : 2009
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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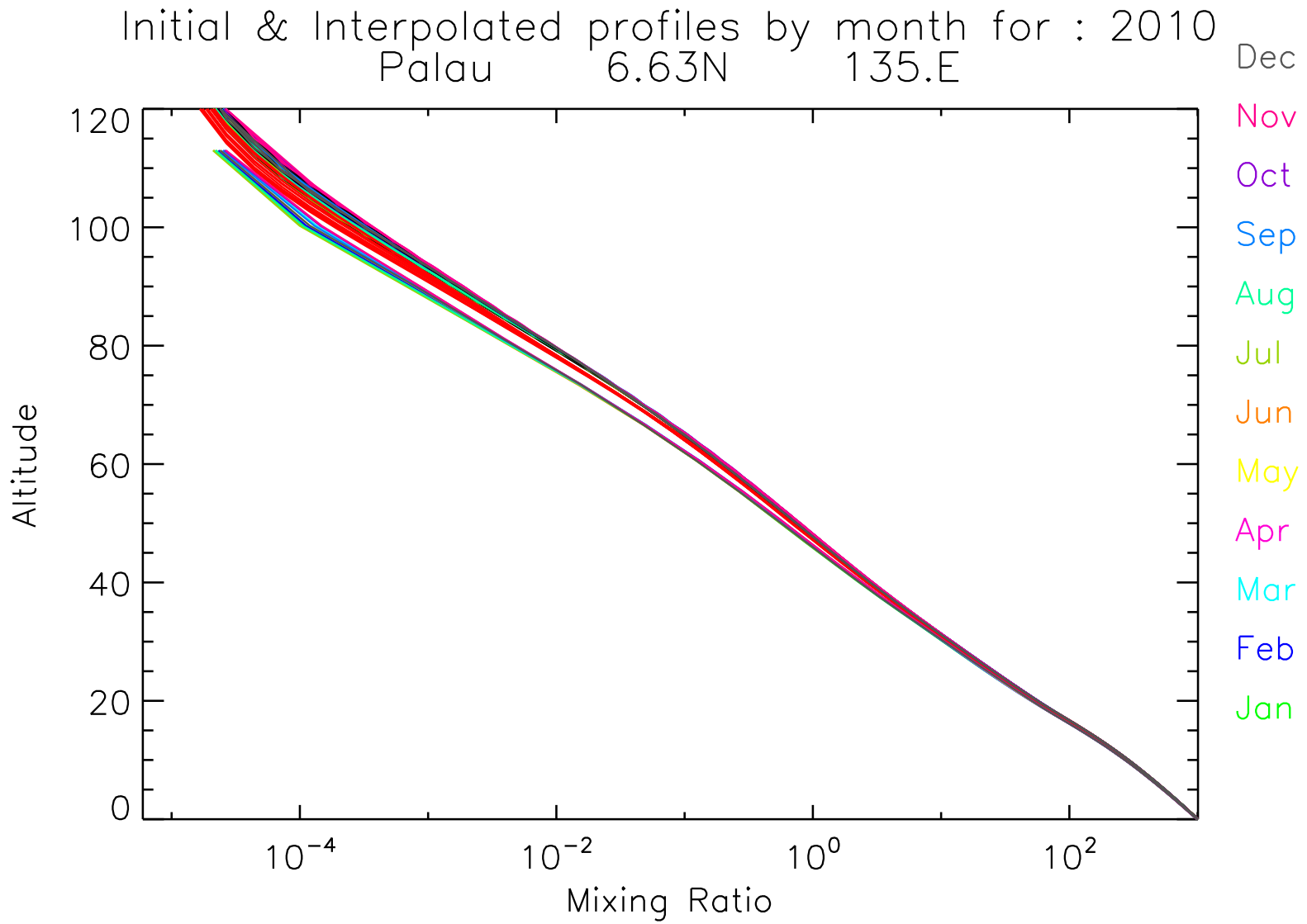
Initial & Interpolated profiles by month for : 2010
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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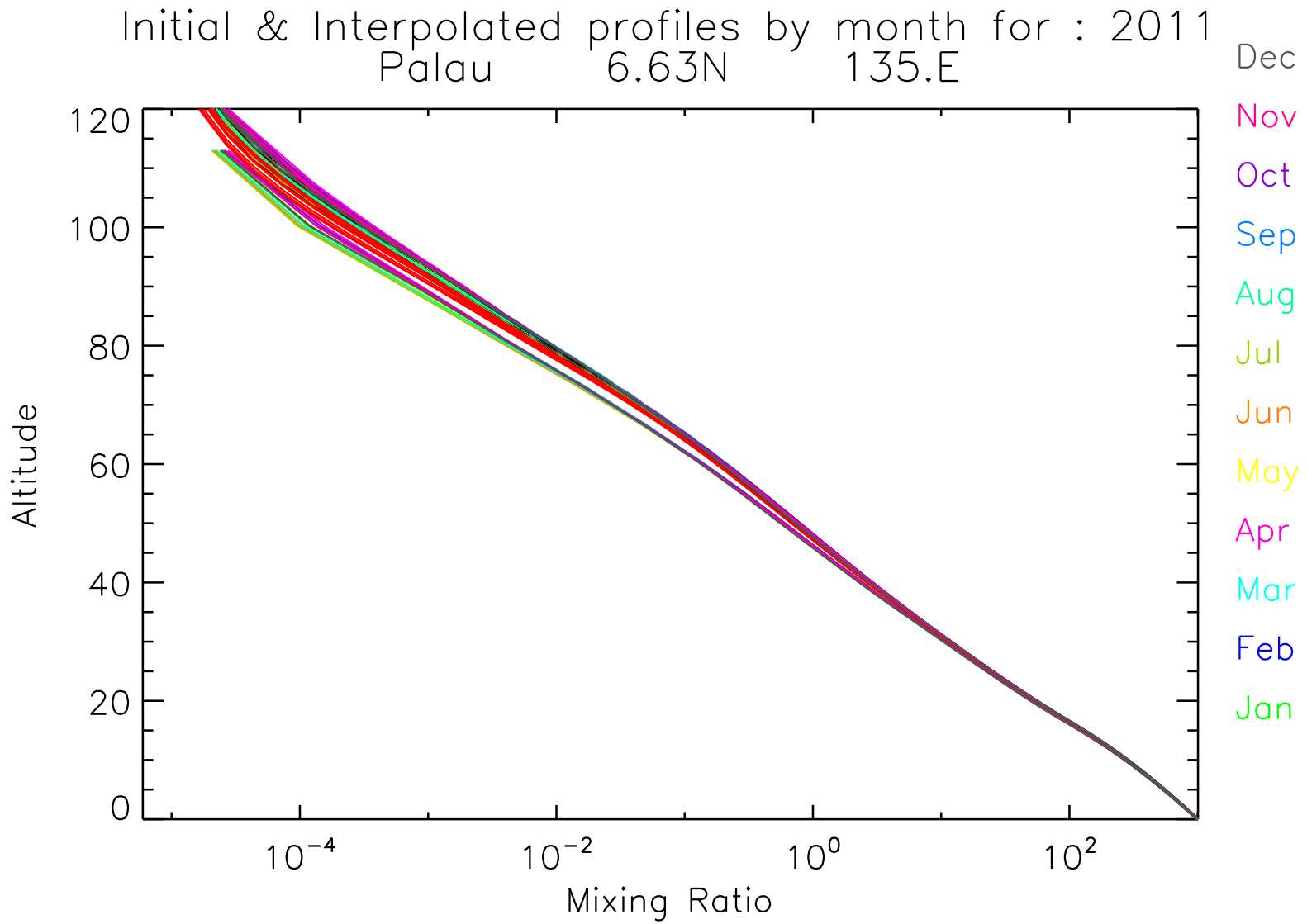
Initial & Interpolated profiles by month for : 2011
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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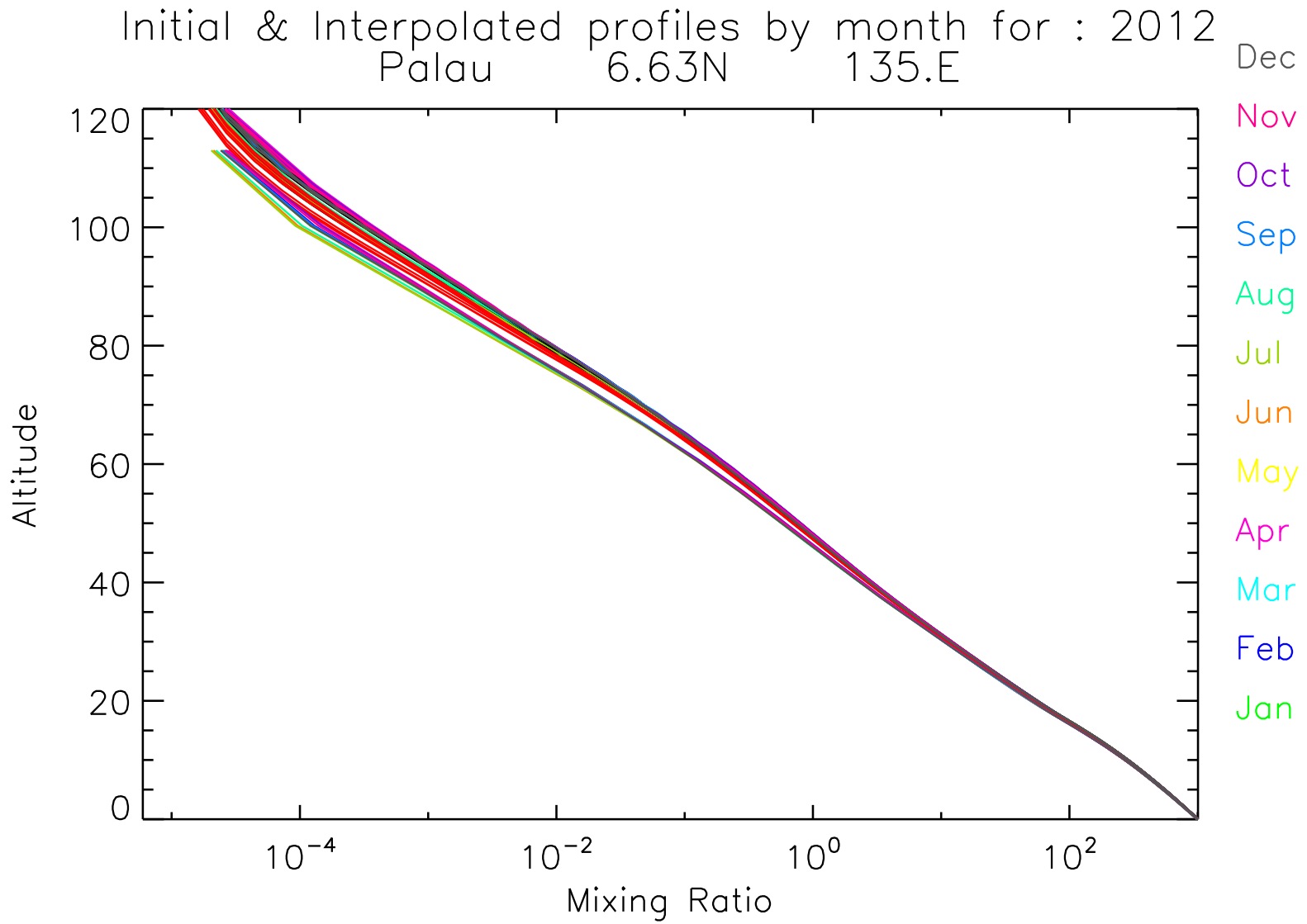
Initial & Interpolated profiles by month for : 2012
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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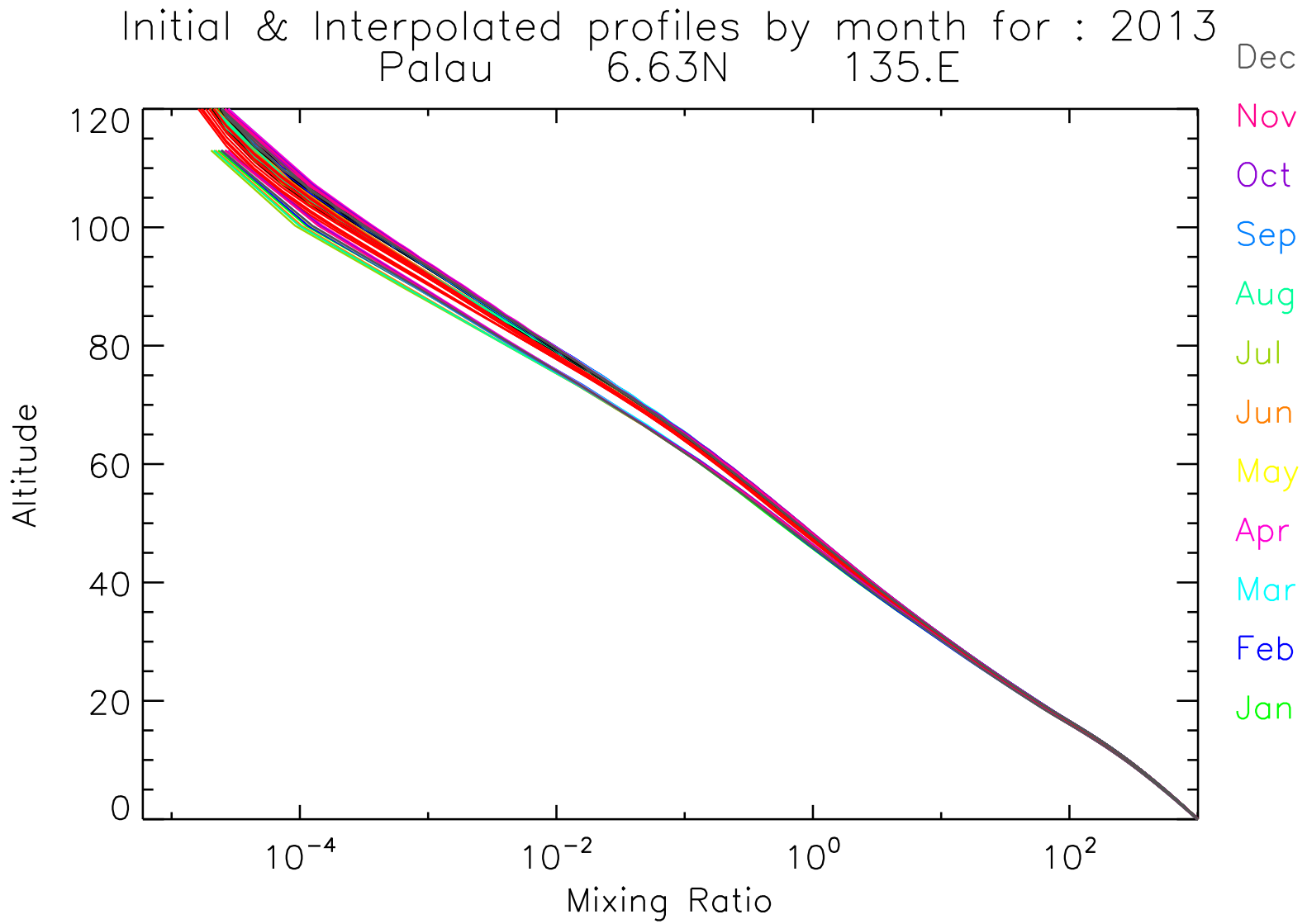
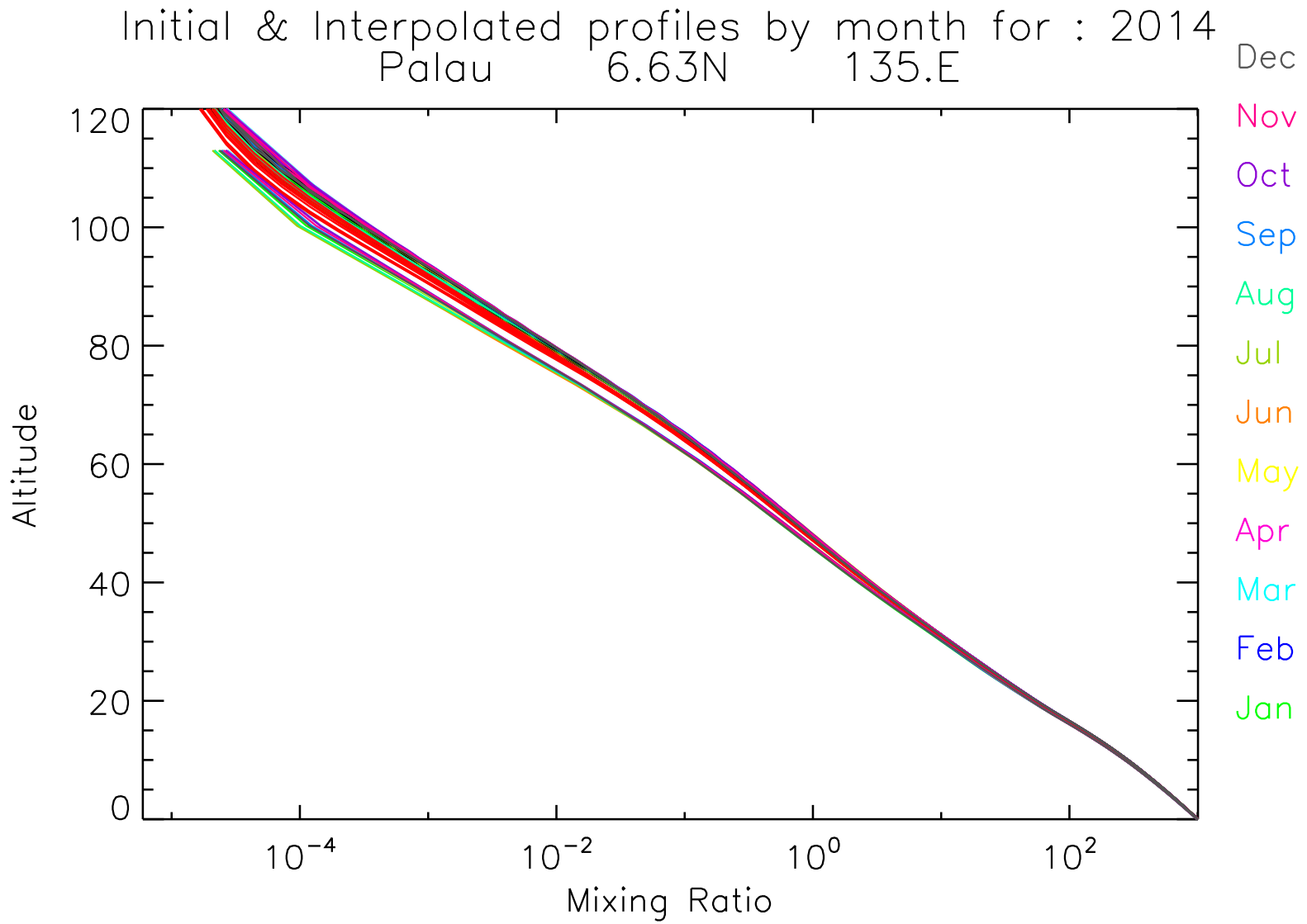
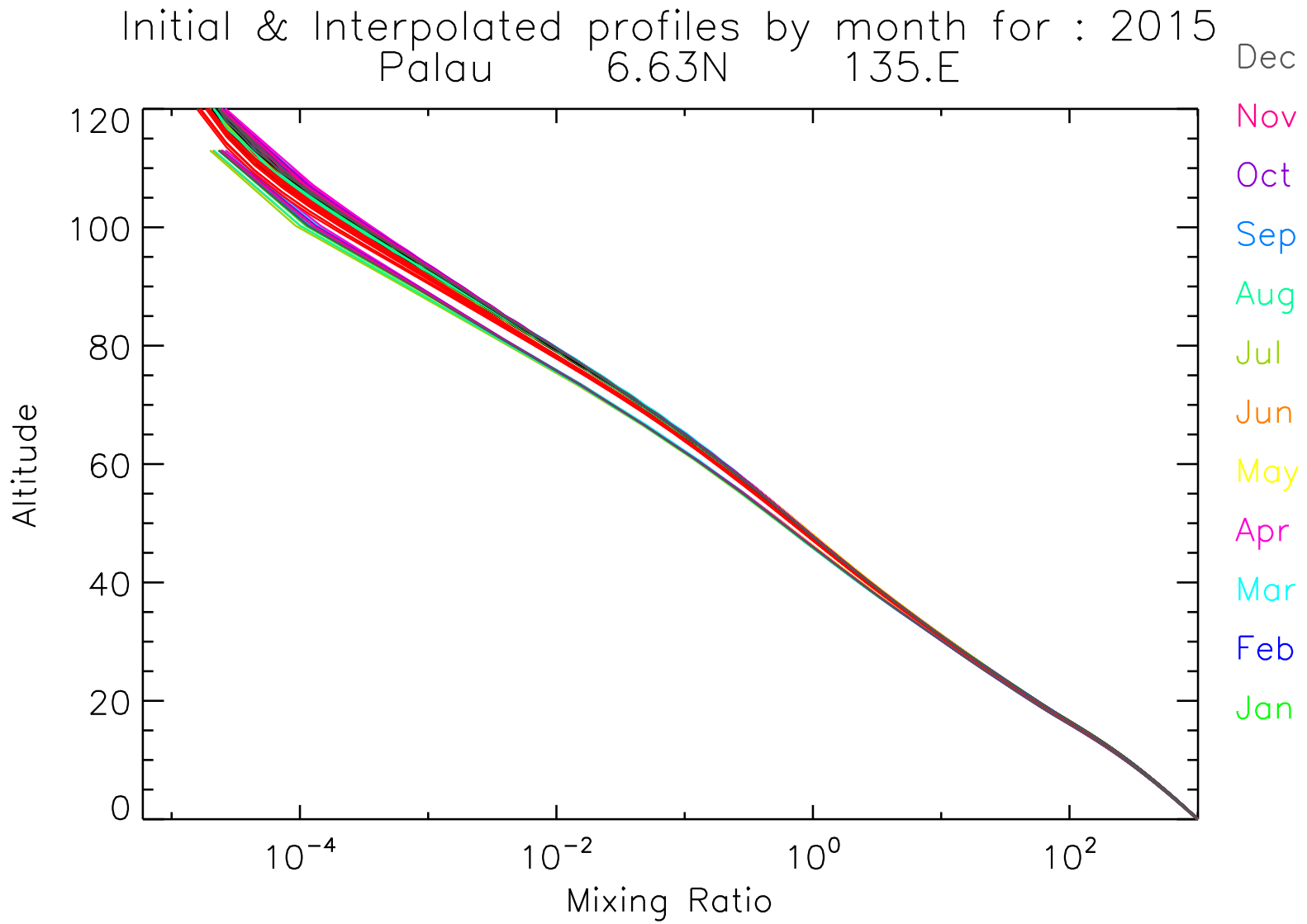
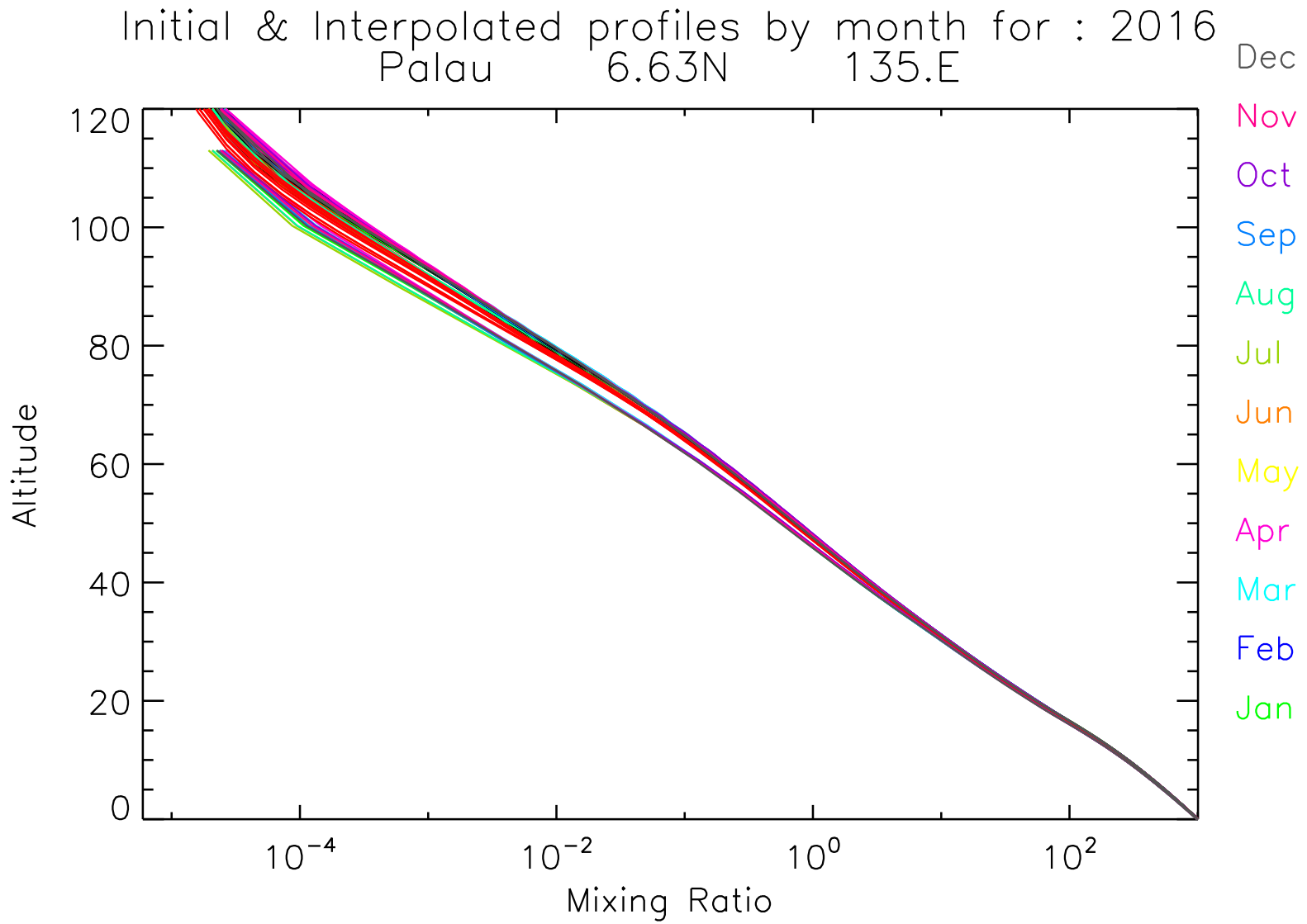
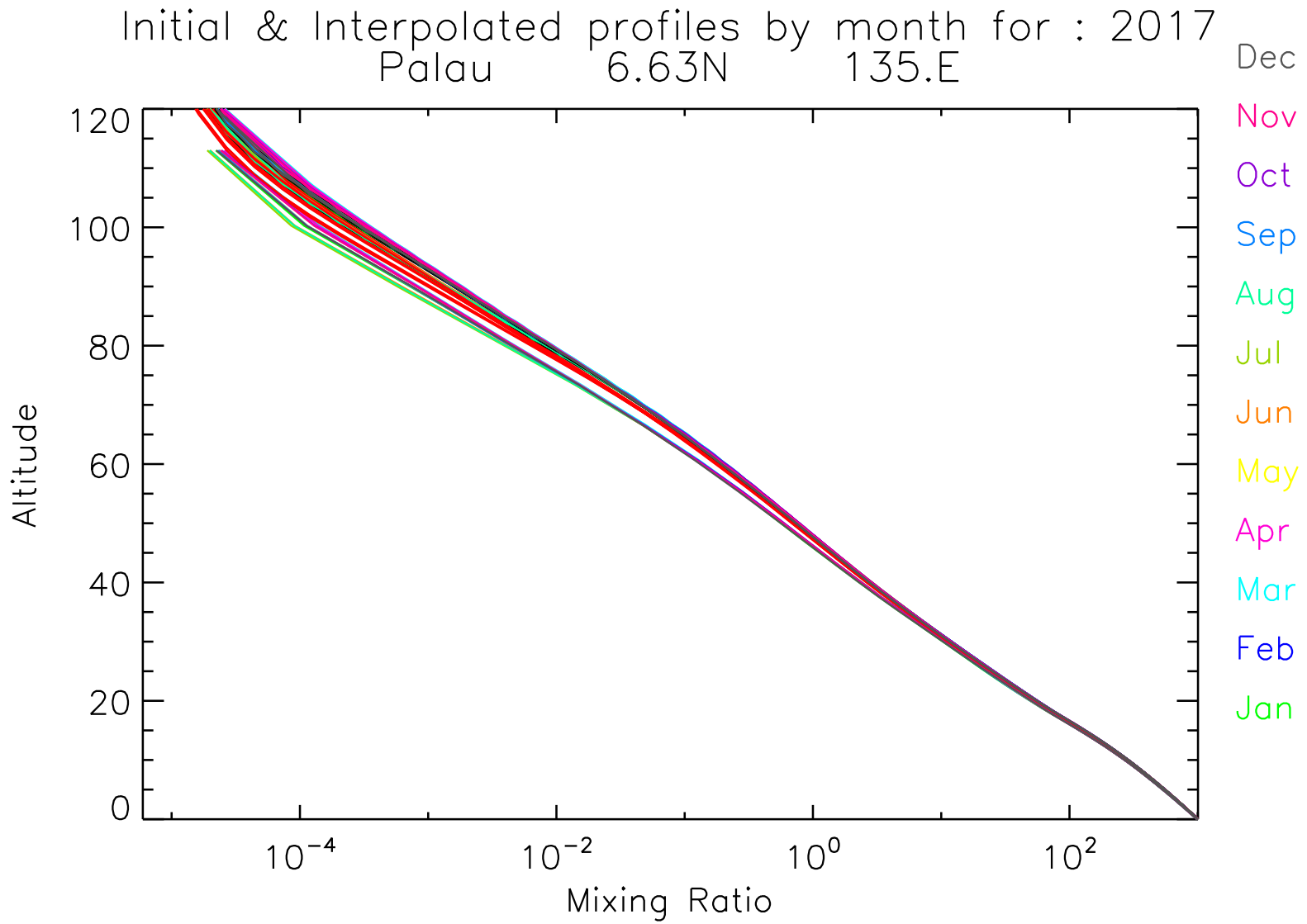
Feb
Jan

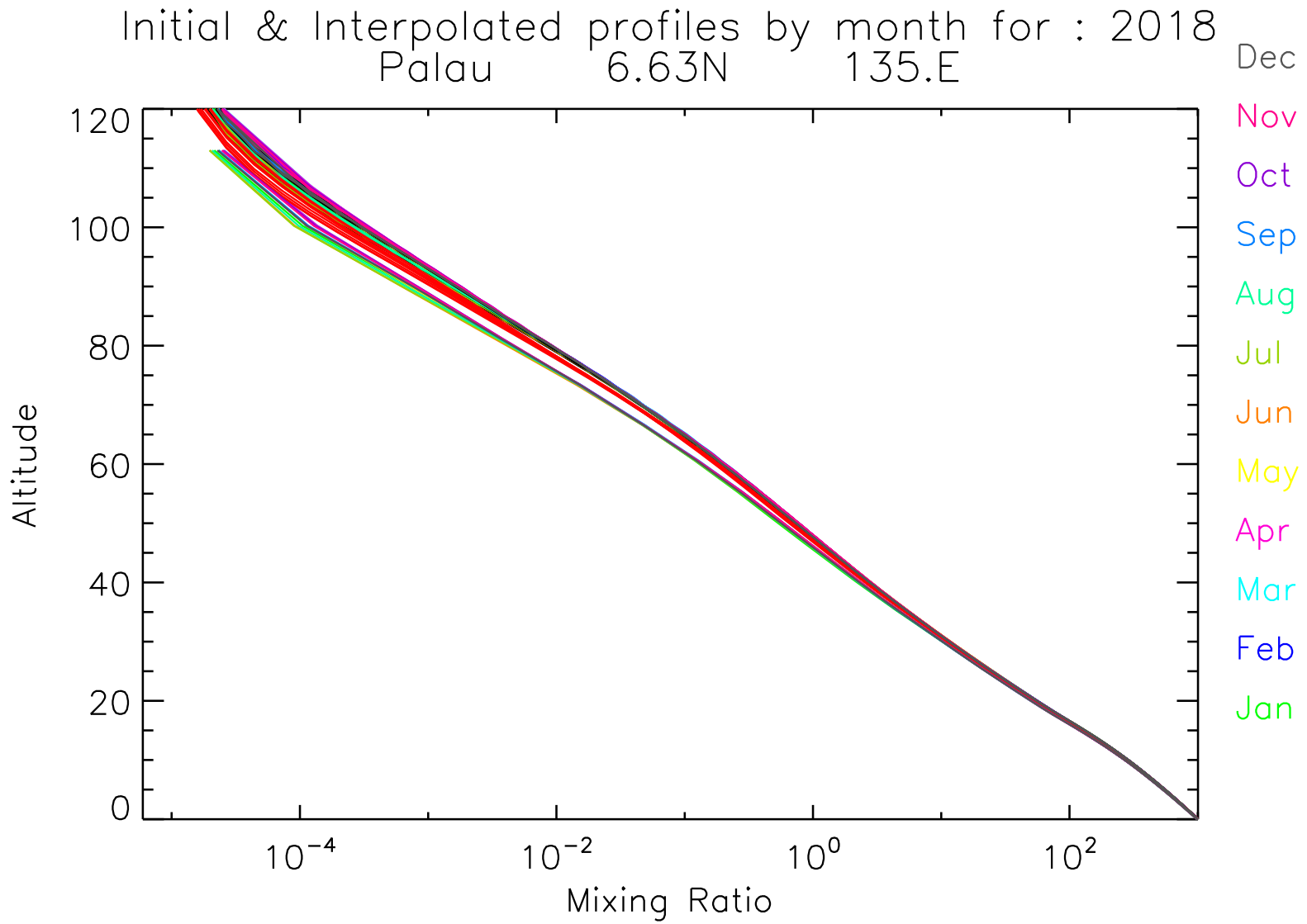

Initial & Interpolated profiles by month for : 2013
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

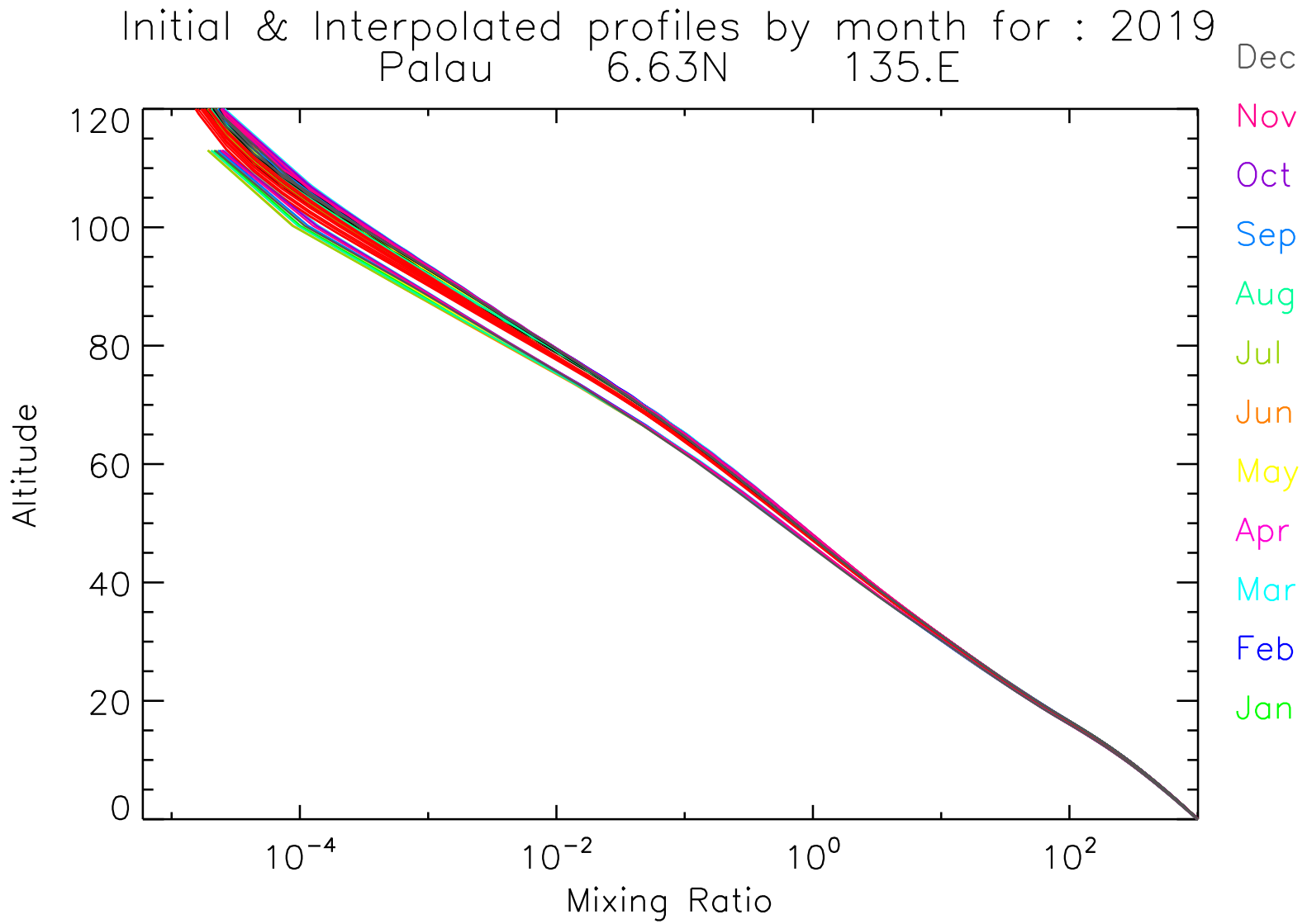

Initial & Interpolated profiles by month for : 2014
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

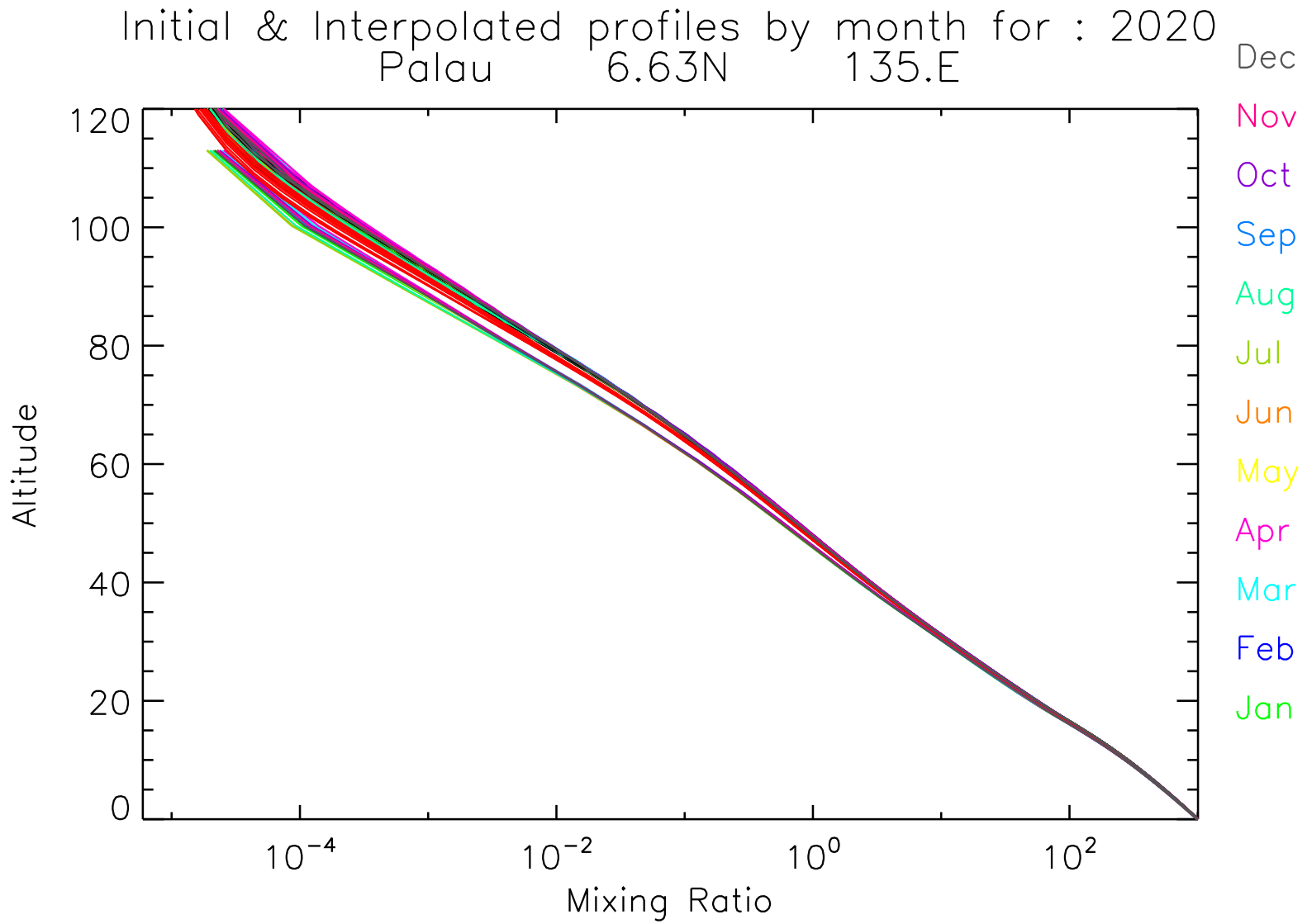

Initial & Interpolated profiles by month for : 2015
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

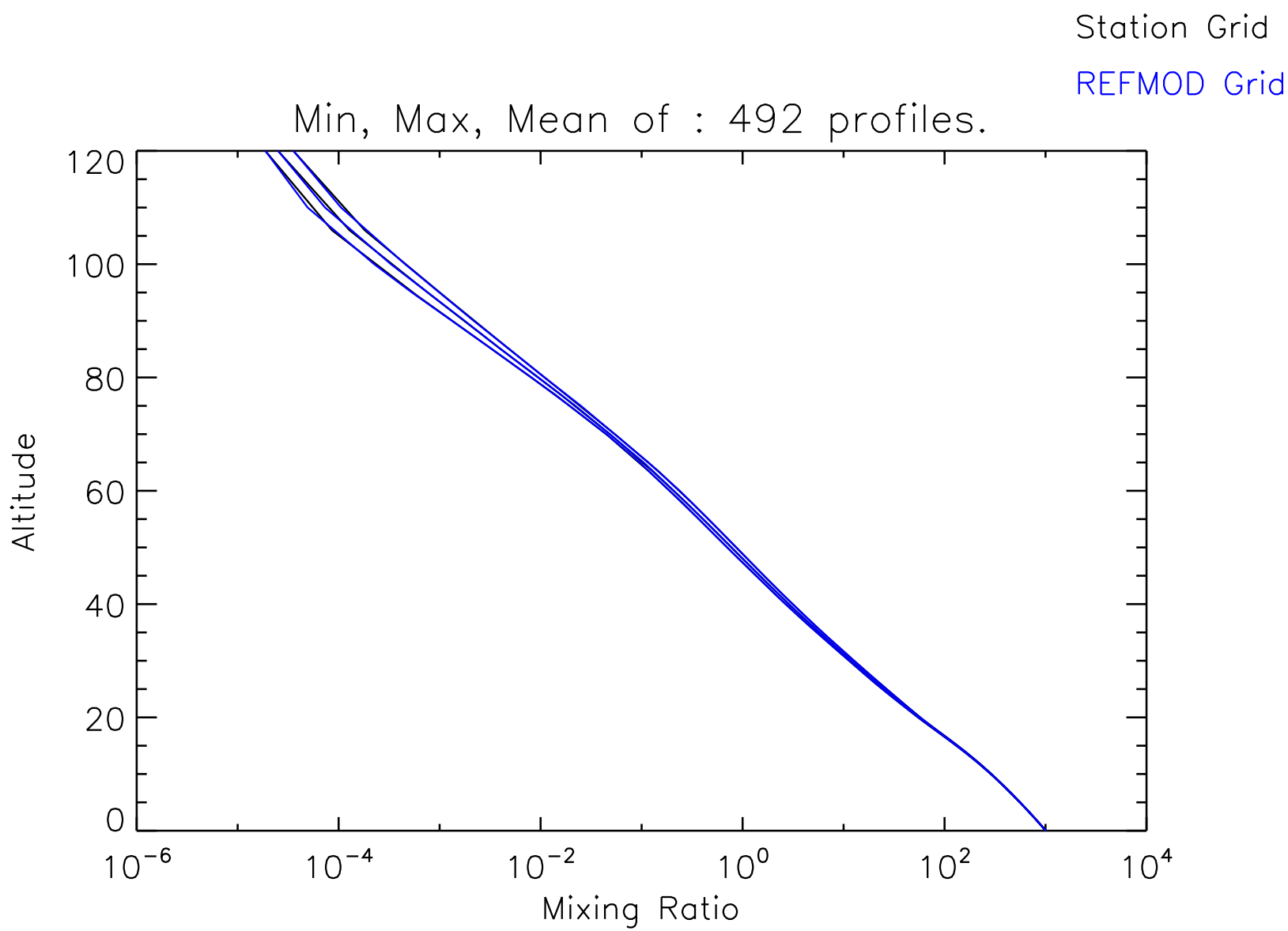

Initial & Interpolated profiles by month for : 2016
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

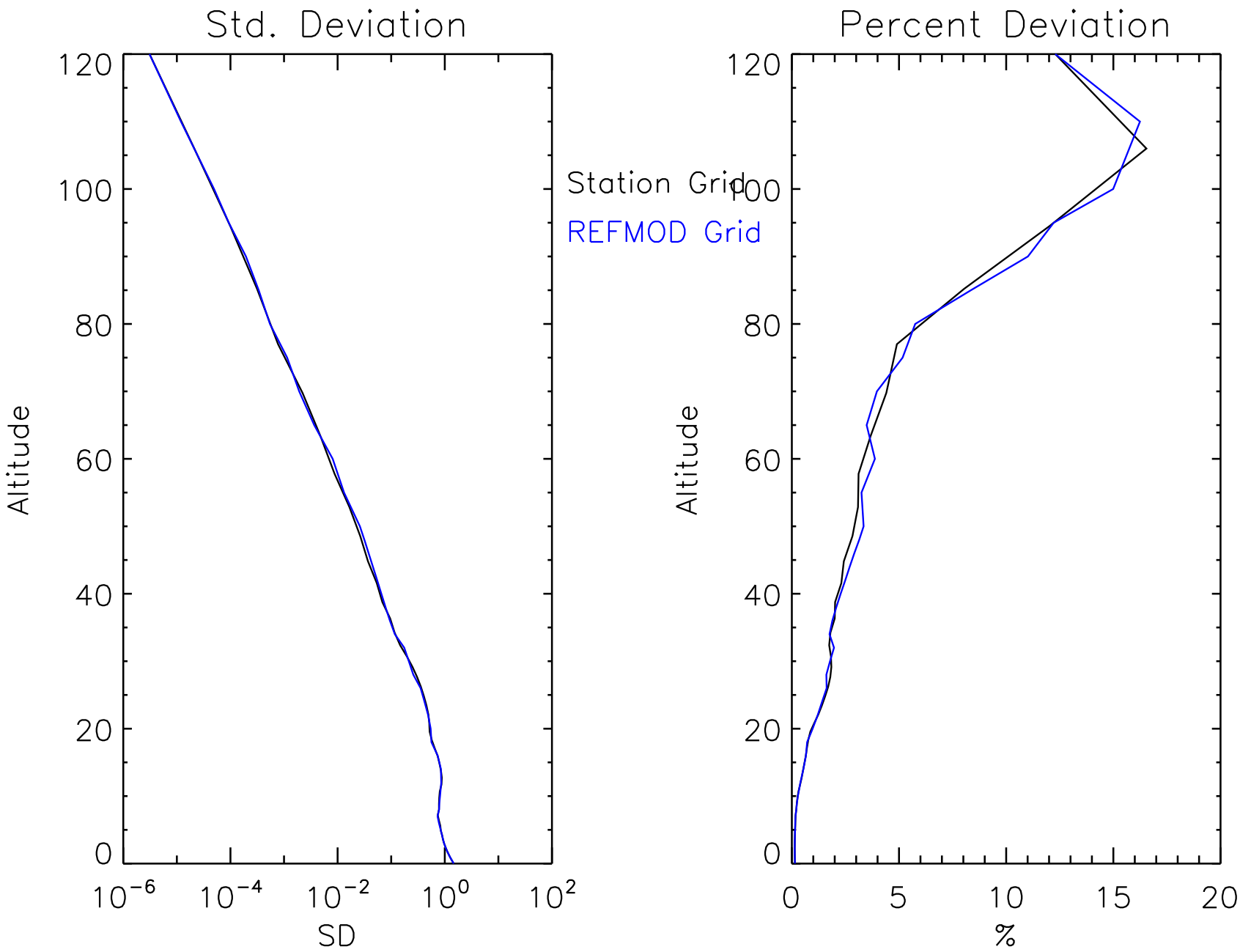

Initial & Interpolated profiles by month for : 2017
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

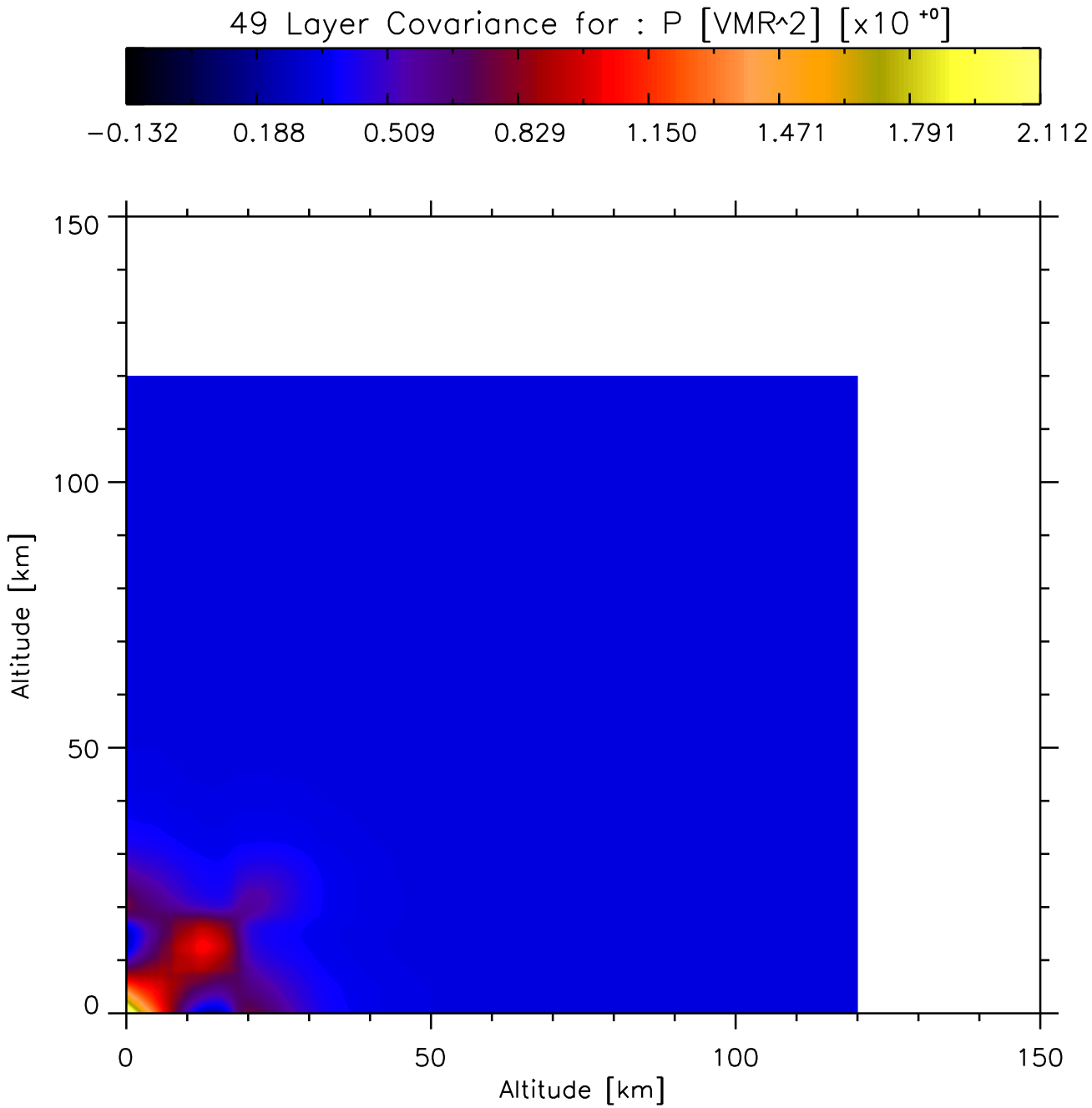

Initial & Interpolated profiles by month for : 2018
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

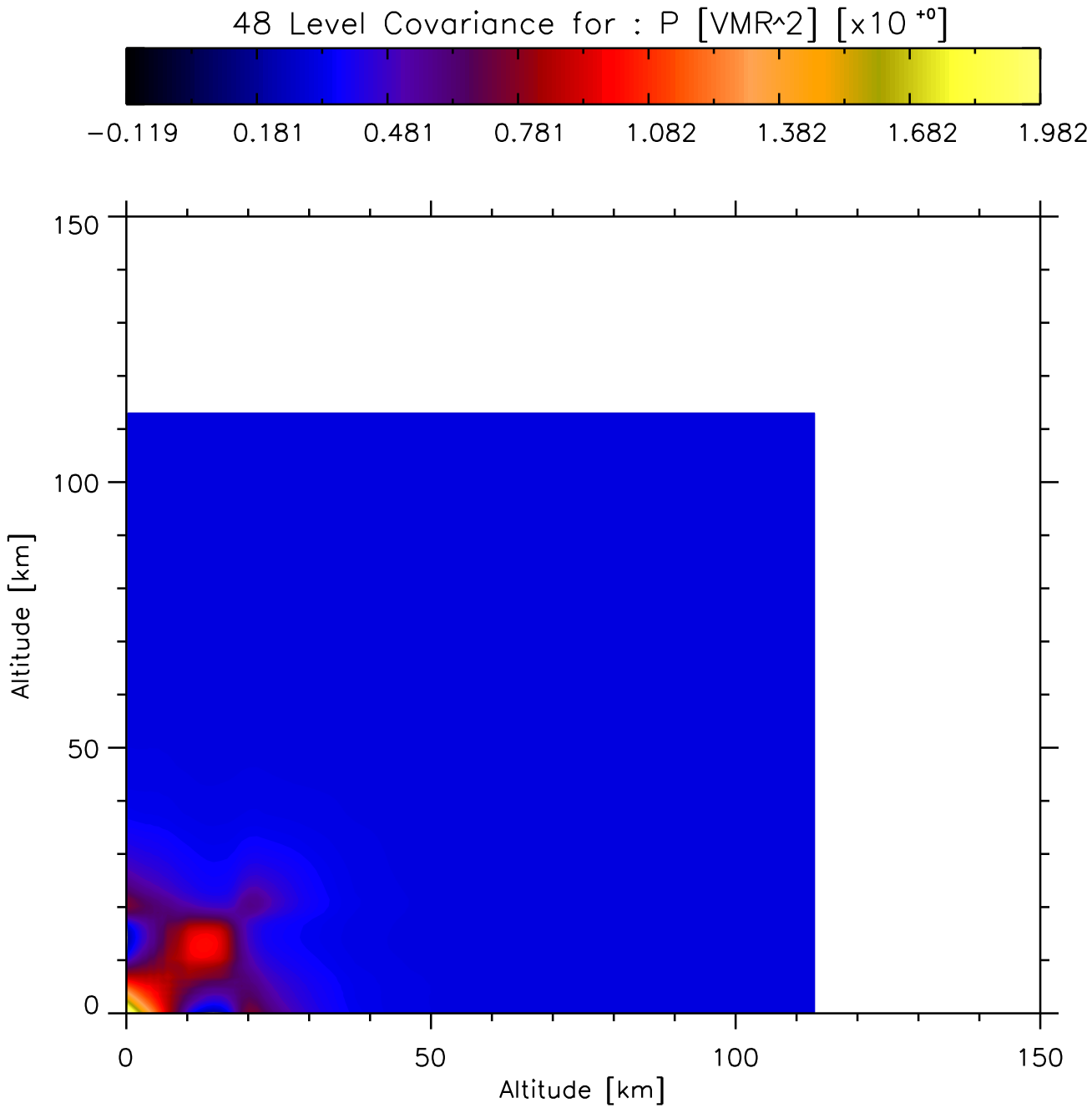

Initial & Interpolated profiles by month for : 2020
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-4}
10^{-2}
10^{0}
10^{2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
10^{4}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
SD
0
5
10
15
20
%


49 Layer Covariance for : P [VMR^2] [x10 +0]
−0.132
0.188
0.509
0.829
1.150
1.471
1.791
2.112
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : P [VMR^2] [x10^-11]
2.5
2.0
1.5
1.0
0.5
0.0
Y Altitude
0
30
60
90
120
X Altitude
0
50
100
150


48 Level Covariance for : P [VMR^2] [x10 +0]
−0.119
0.181
0.481
0.781
1.082
1.382
1.682
1.982
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : P [VMR^2] [x10^-9]
2.5
2.0
1.5
1.0
0.5
0.0
Y Altitude
0
30
60
90
120
X Altitude
0
50
100
150