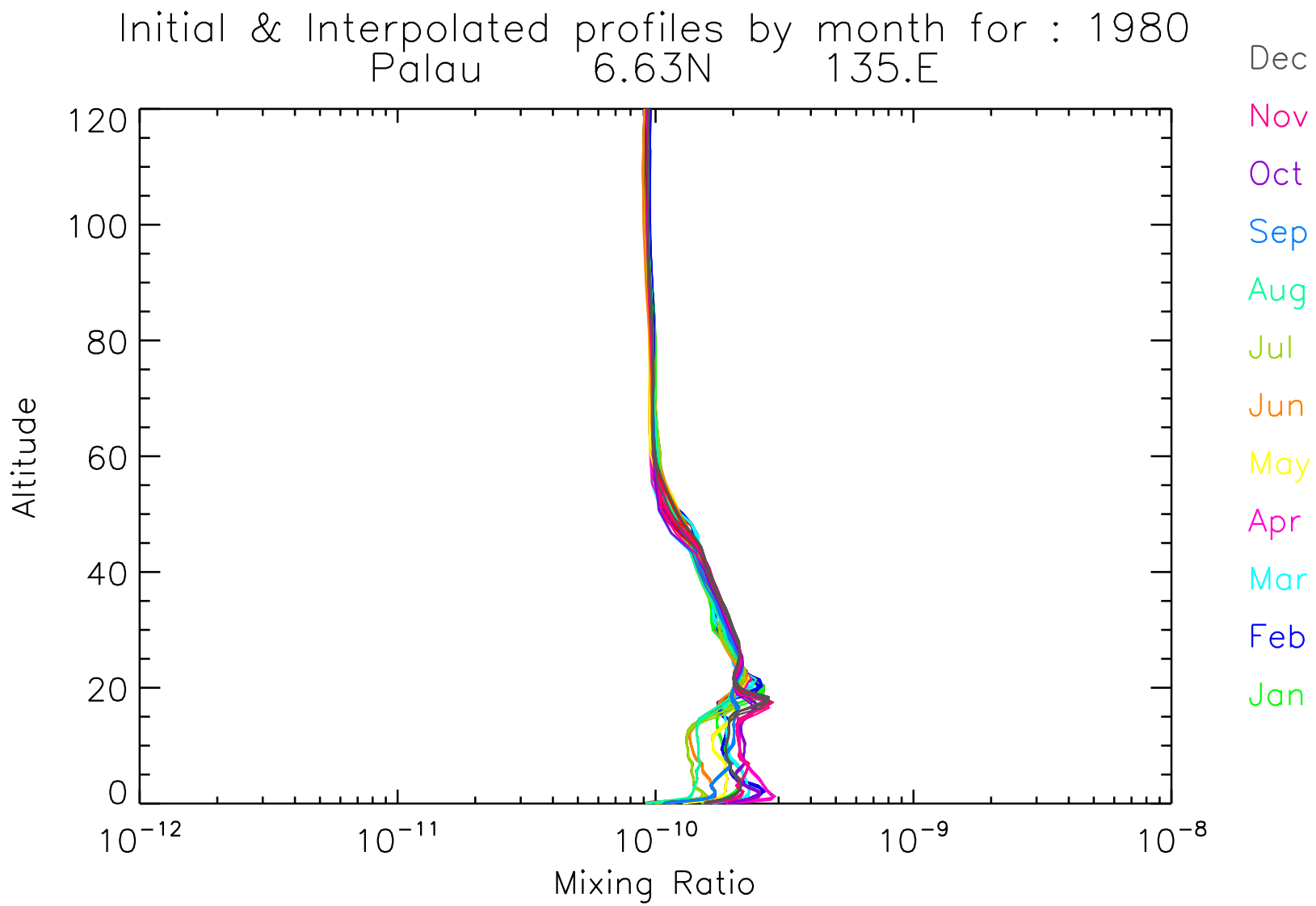
Initial & Interpolated profiles by month for : 1980
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Altitude
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Mixing Ratio
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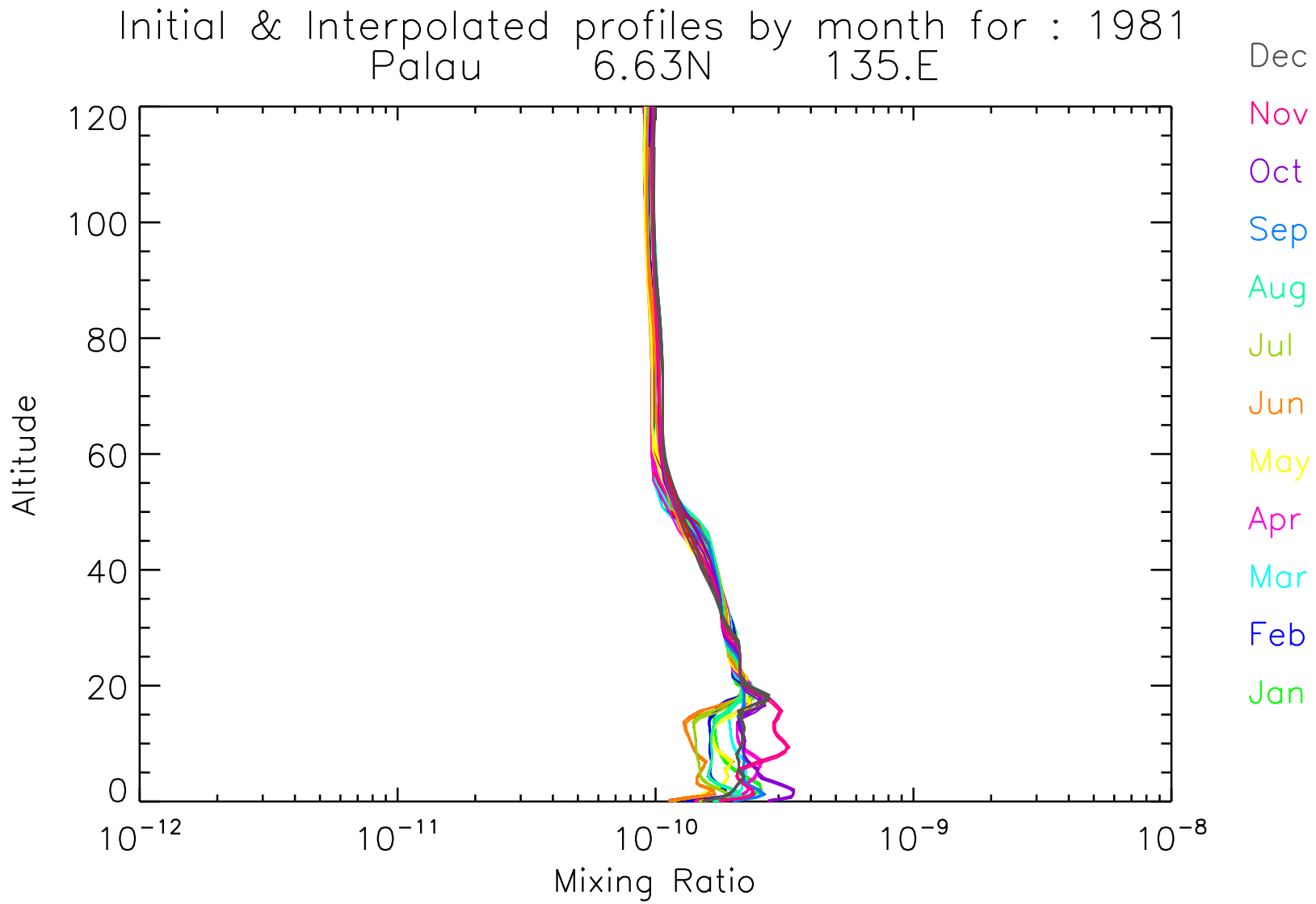
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Mixing Ratio
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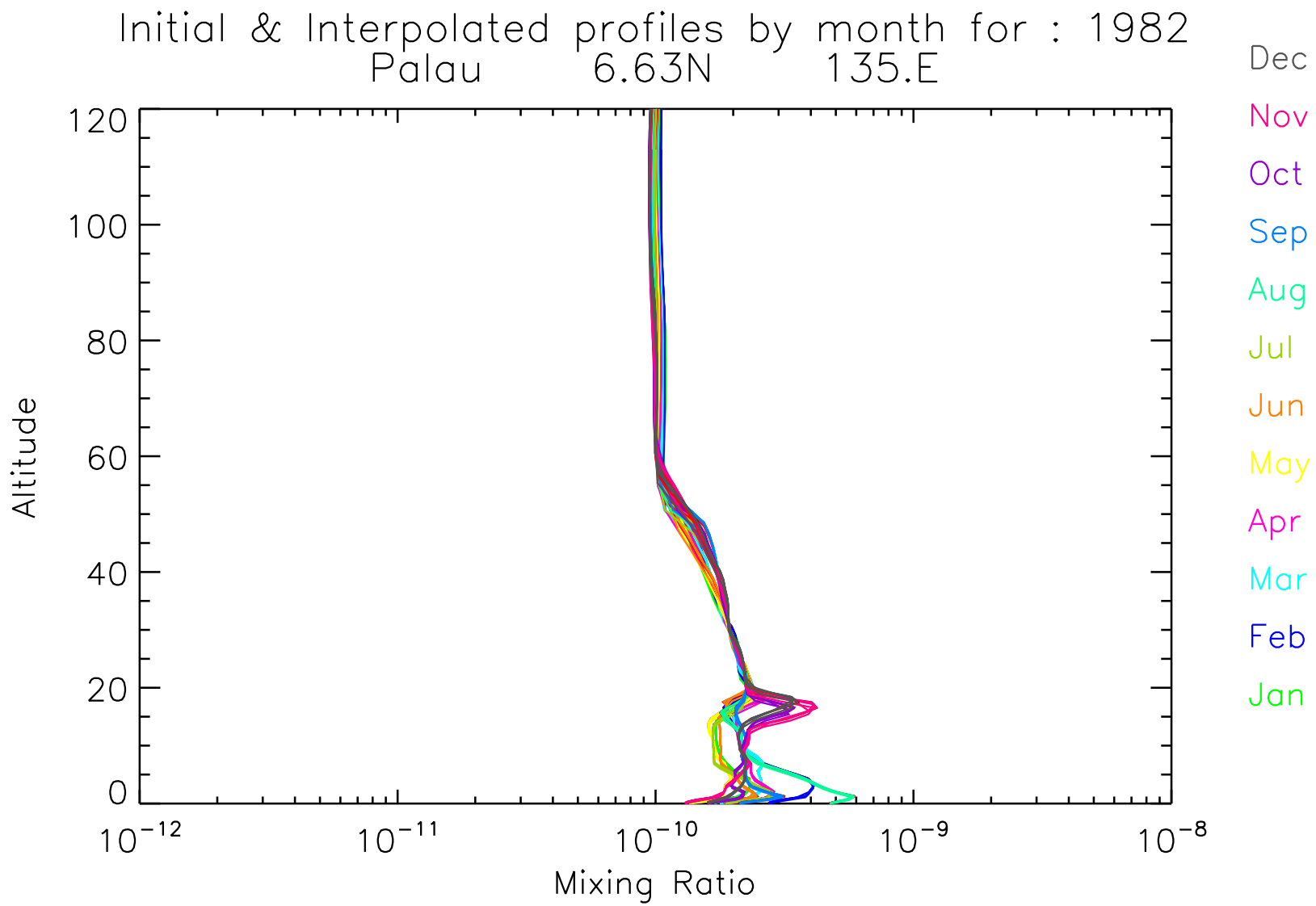
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Mixing Ratio
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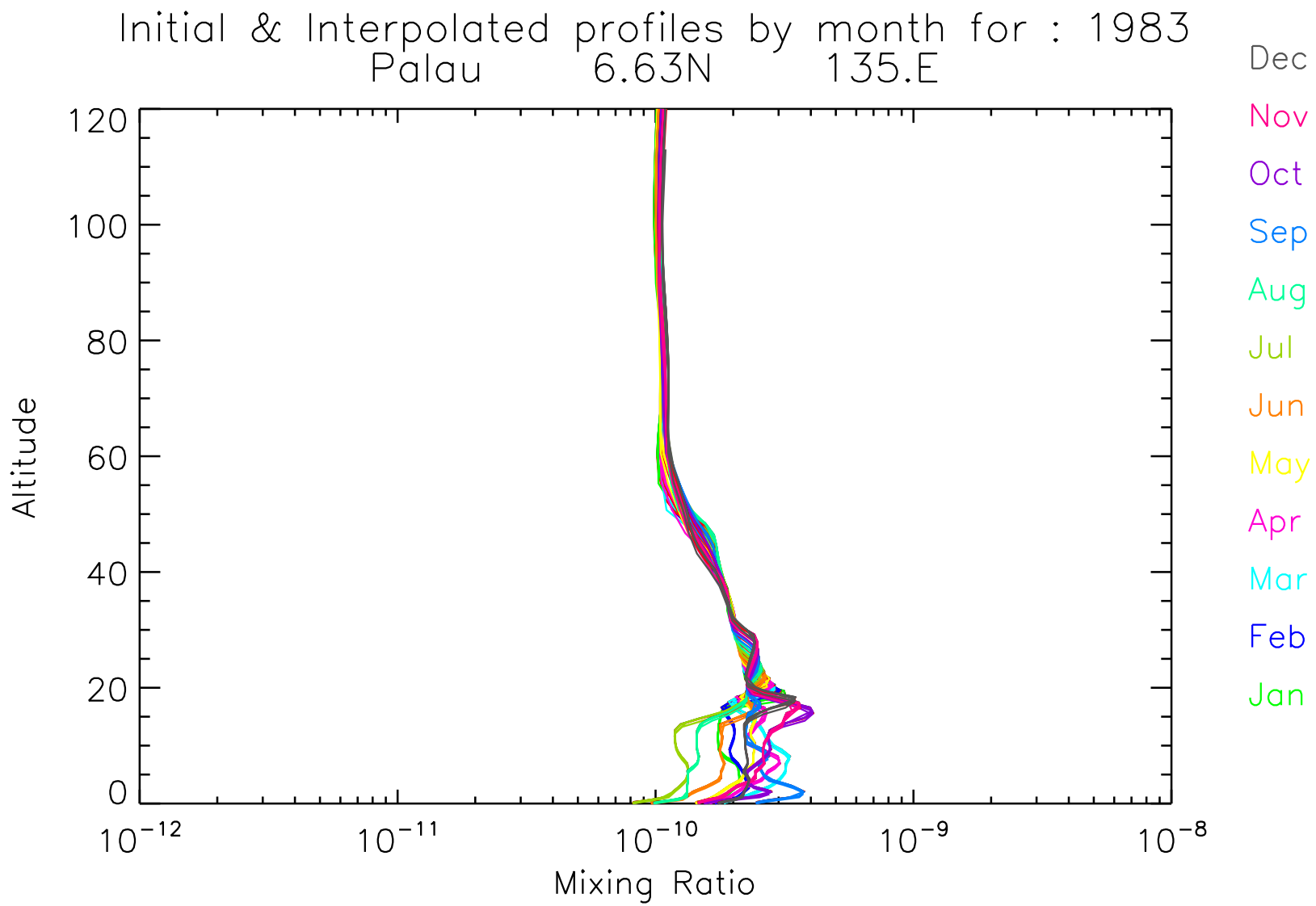
Initial & Interpolated profiles by month for : 1983
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Altitude
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Mixing Ratio
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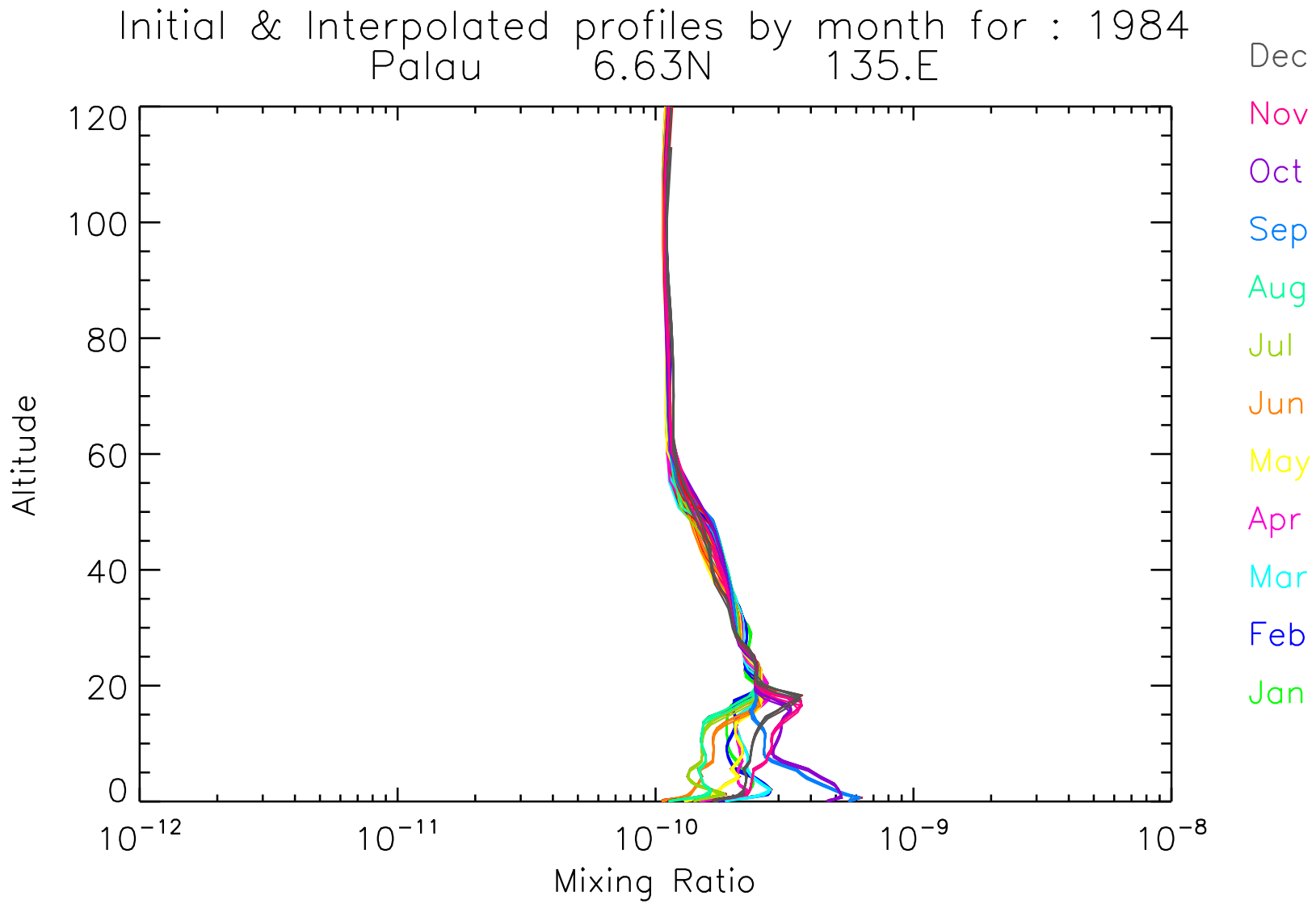
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Altitude
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Mixing Ratio
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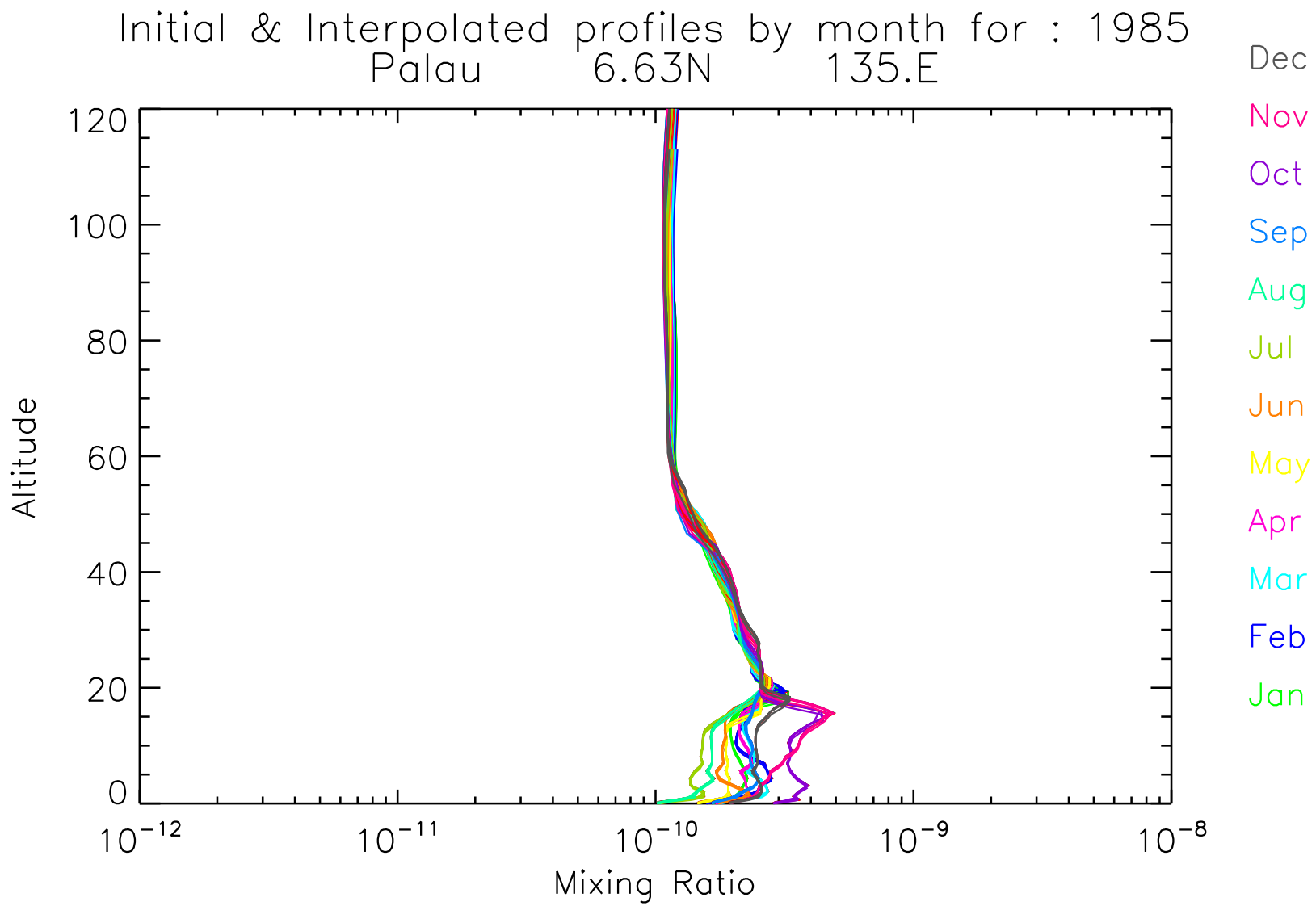
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Altitude
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Mixing Ratio
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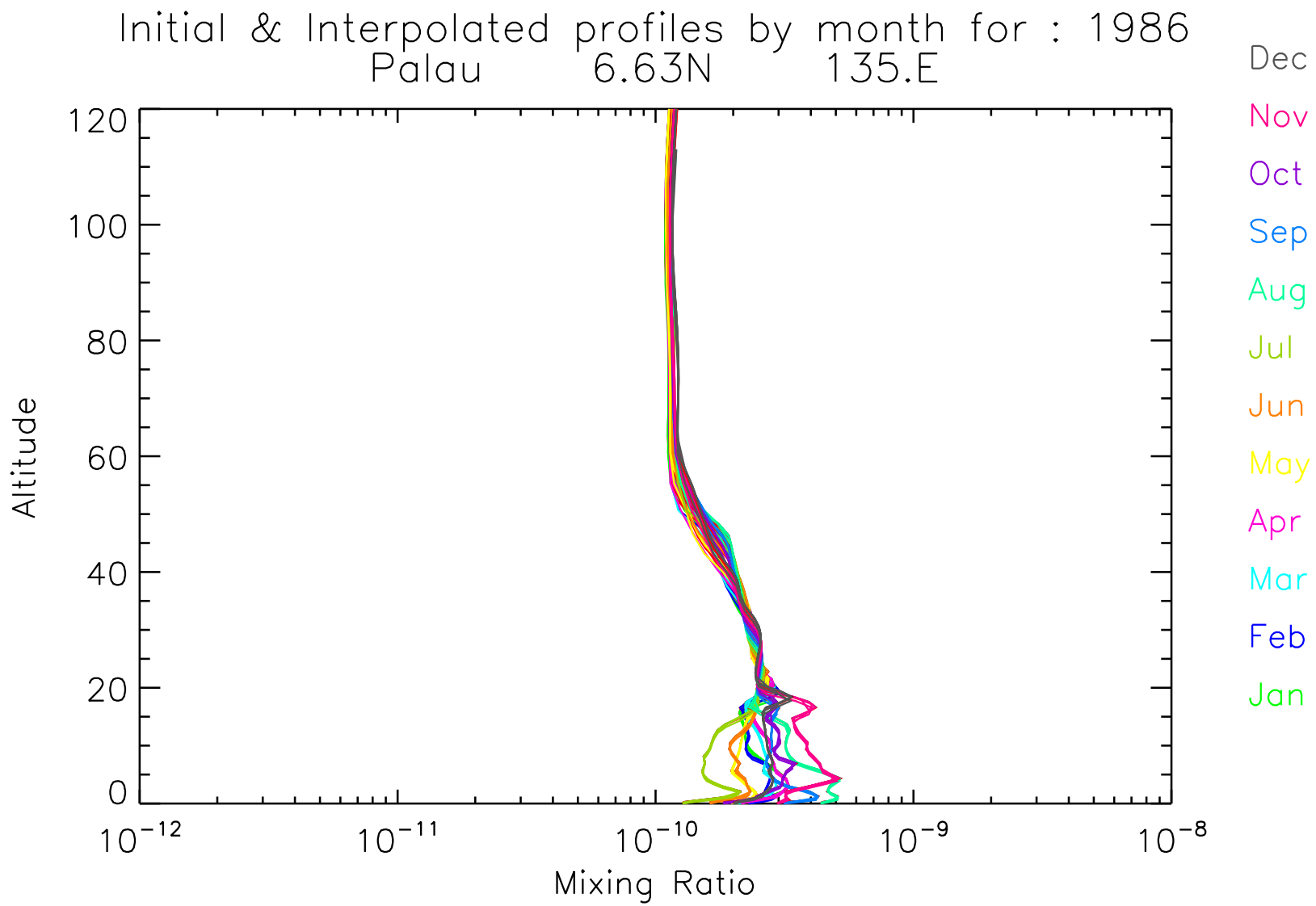
Initial & Interpolated profiles by month for : 1986
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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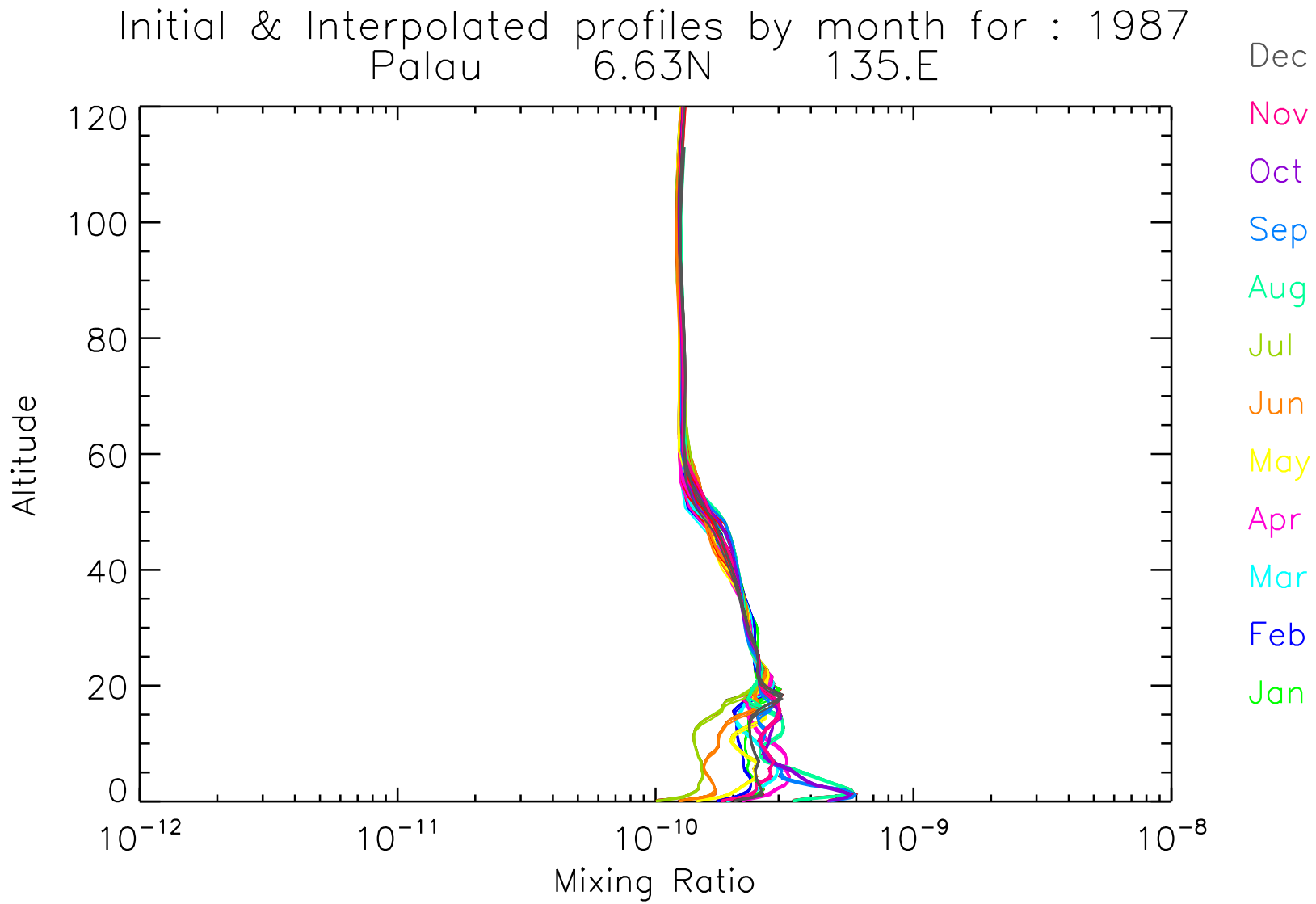
Initial & Interpolated profiles by month for : 1987
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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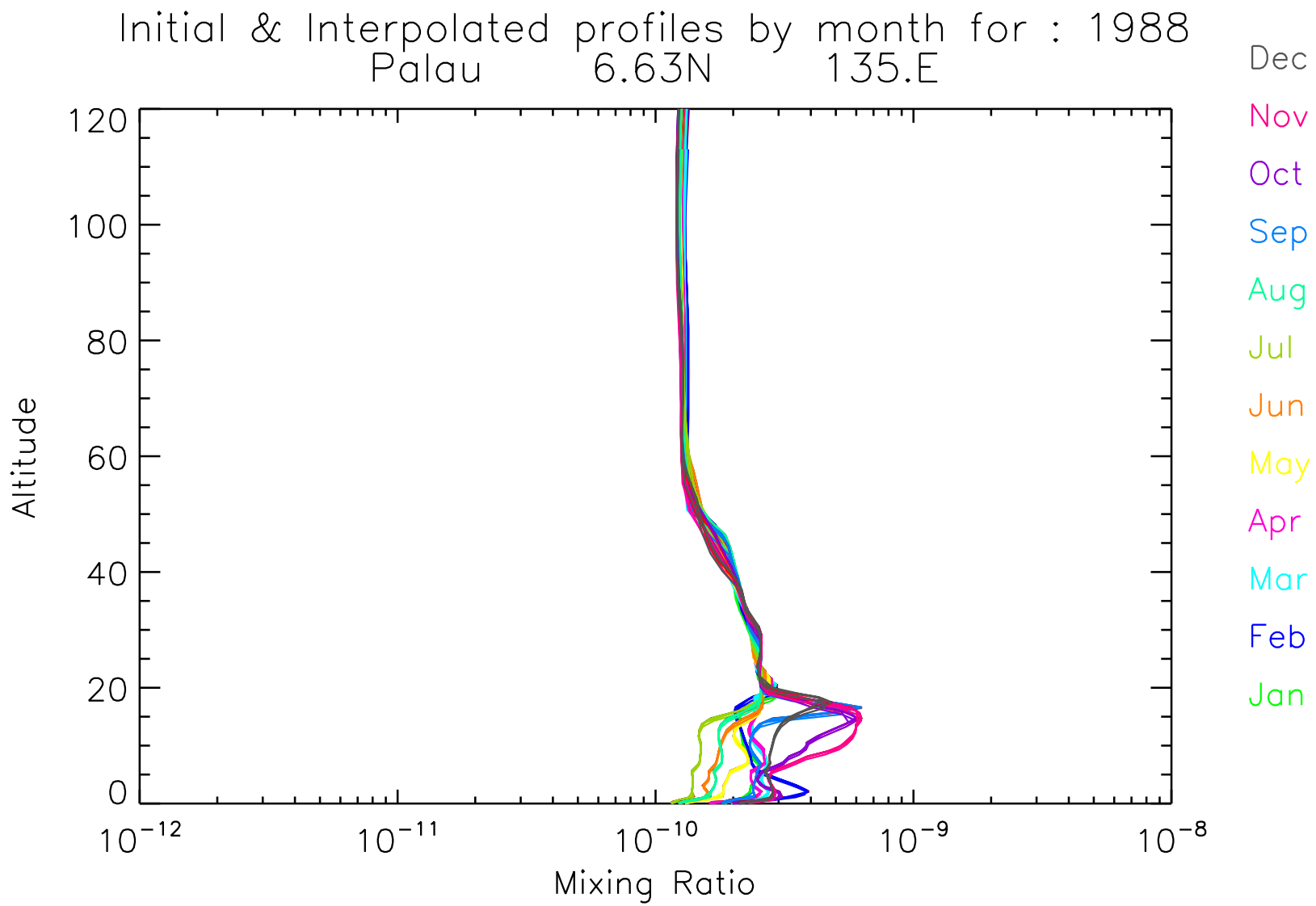
Initial & Interpolated profiles by month for : 1988
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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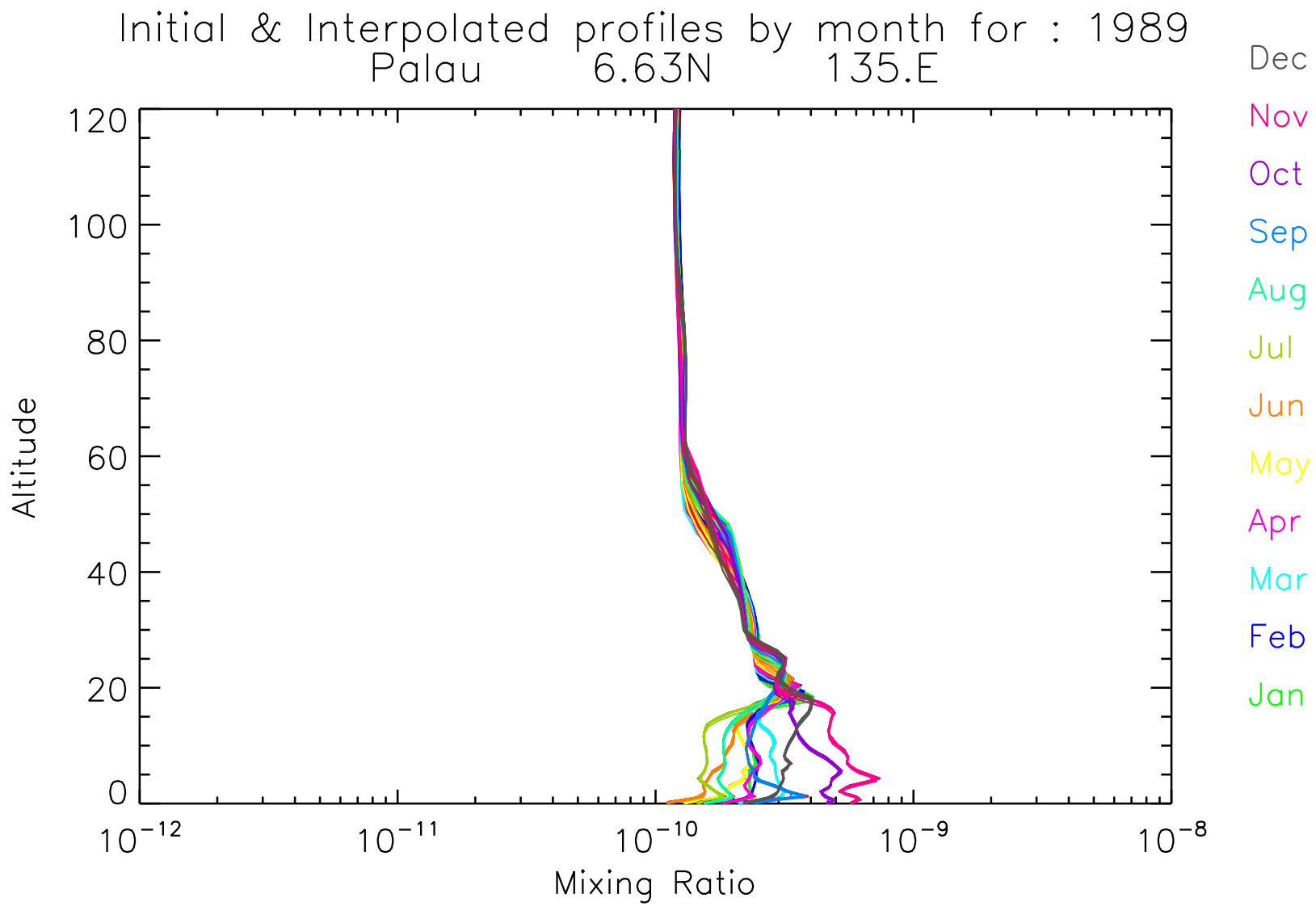
Initial & Interpolated profiles by month for : 1989
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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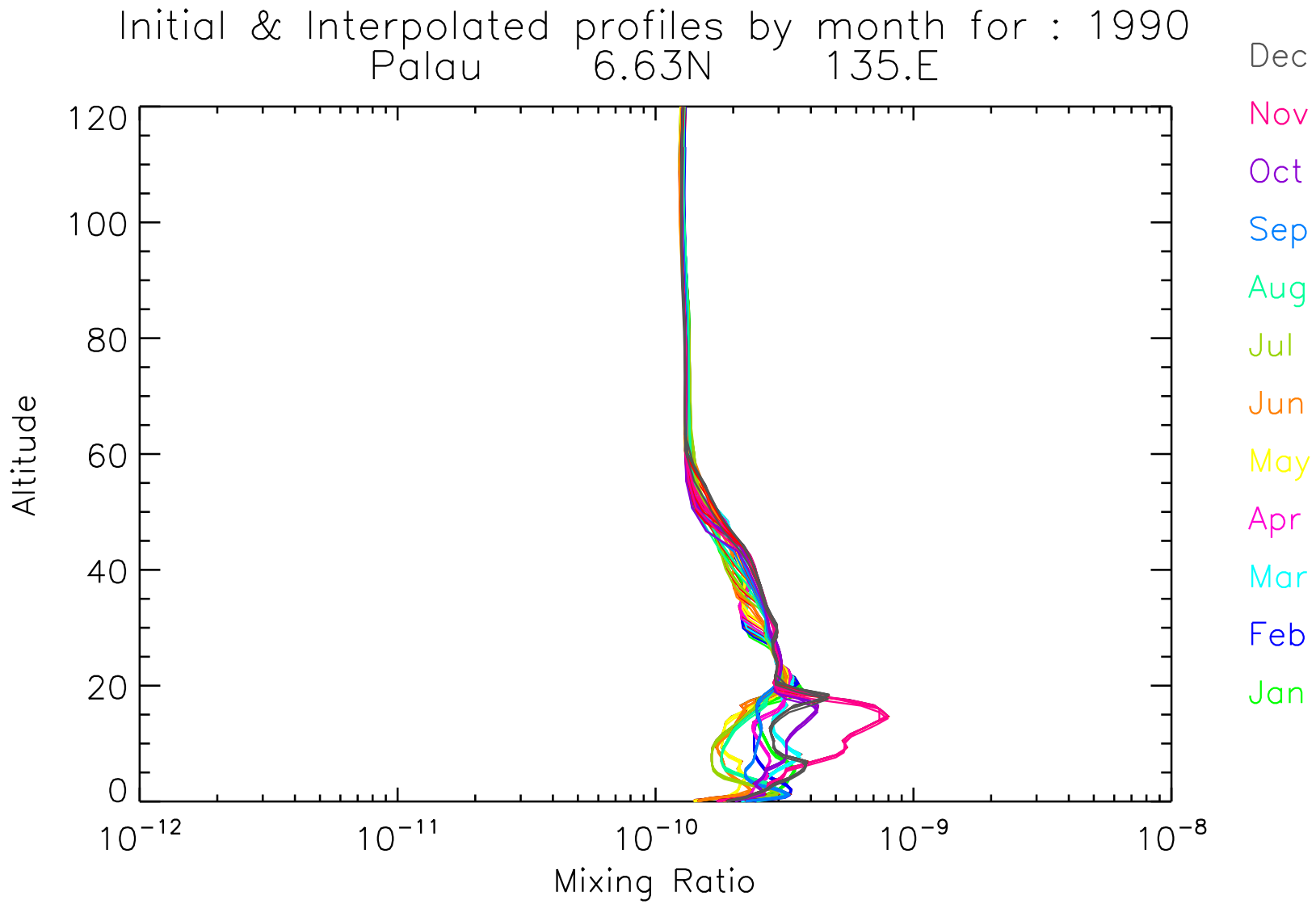
Initial & Interpolated profiles by month for : 1990
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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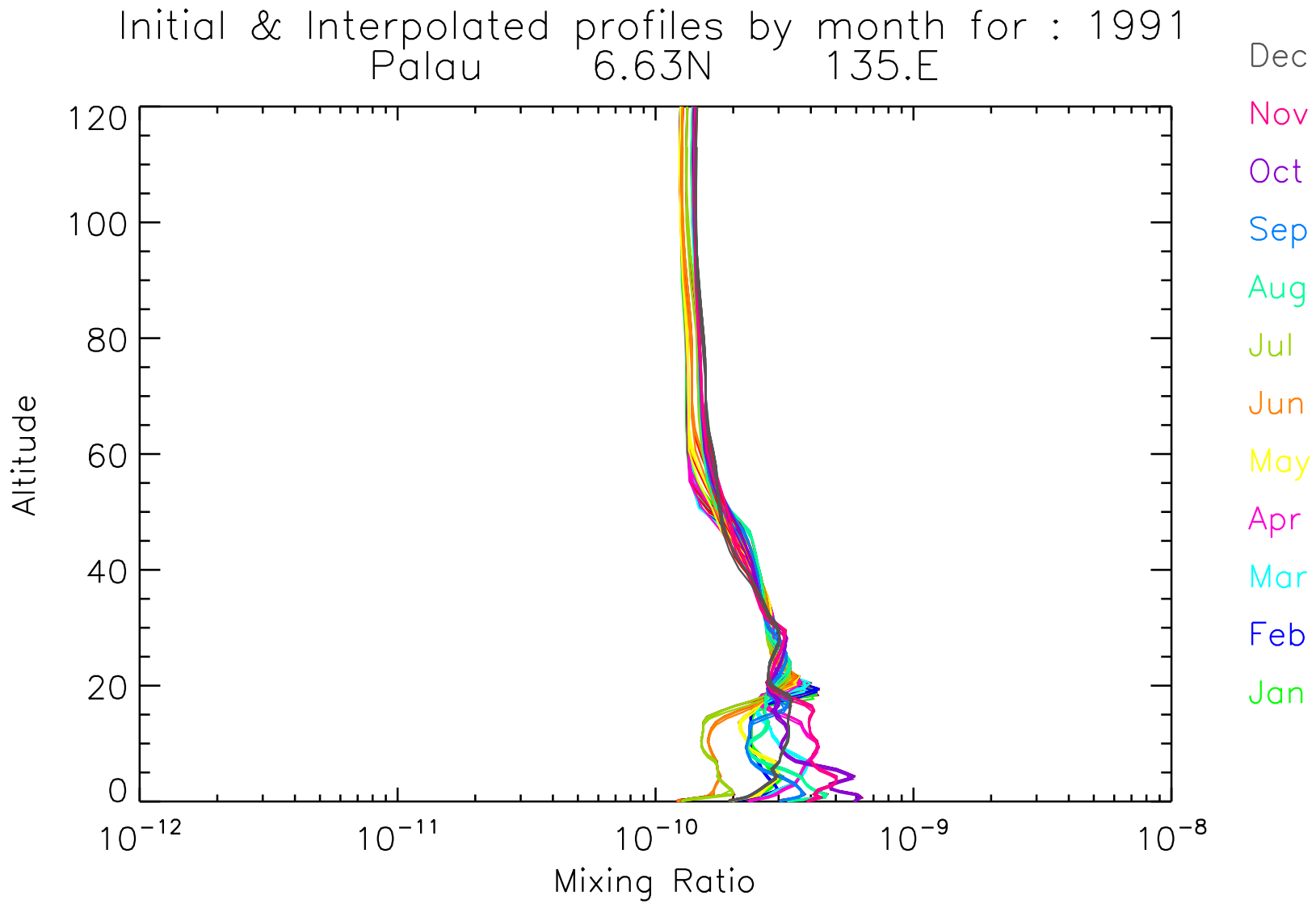
Initial & Interpolated profiles by month for : 1991
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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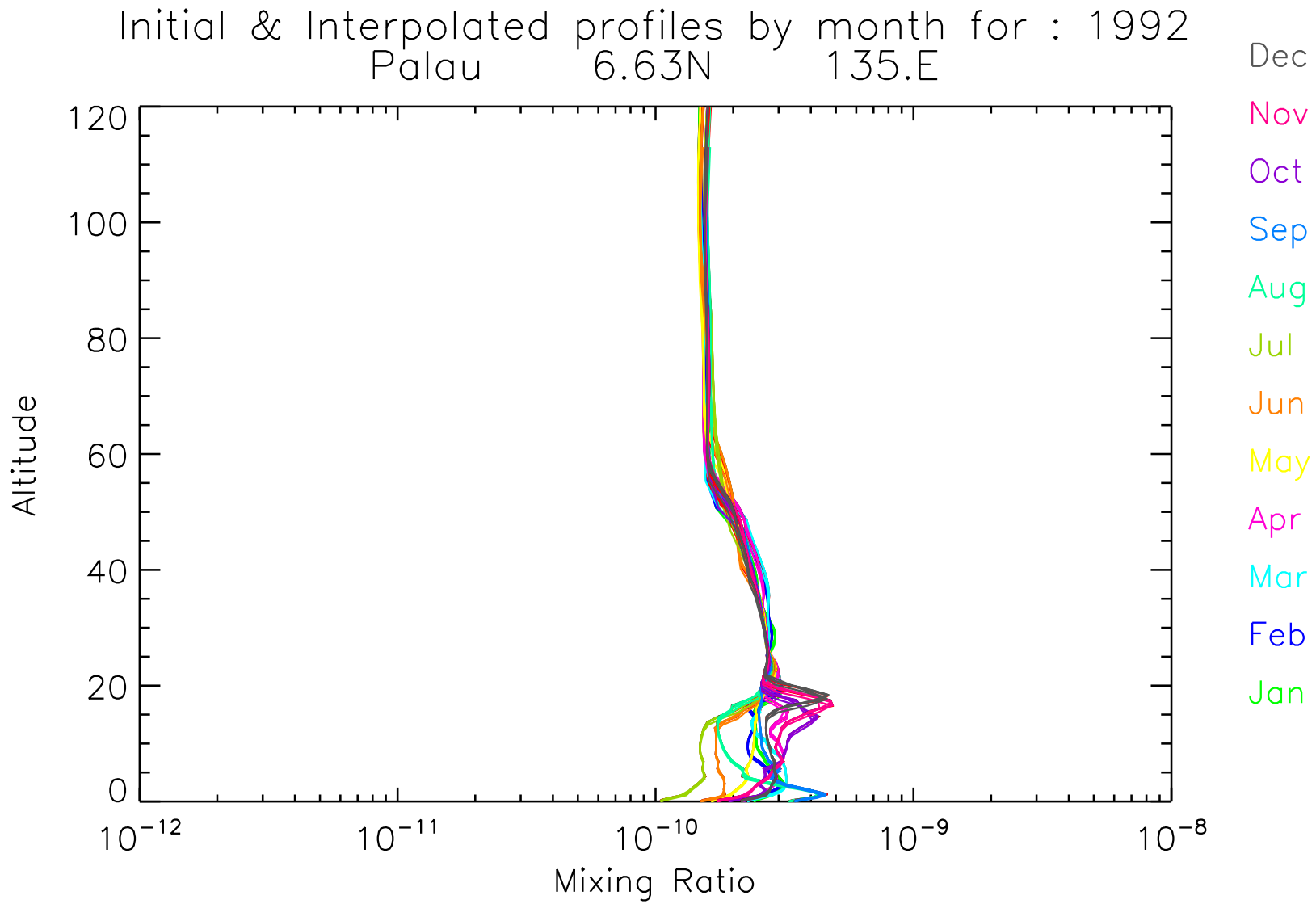
Initial & Interpolated profiles by month for : 1992
Palau 6.63N 135.E
Altitude
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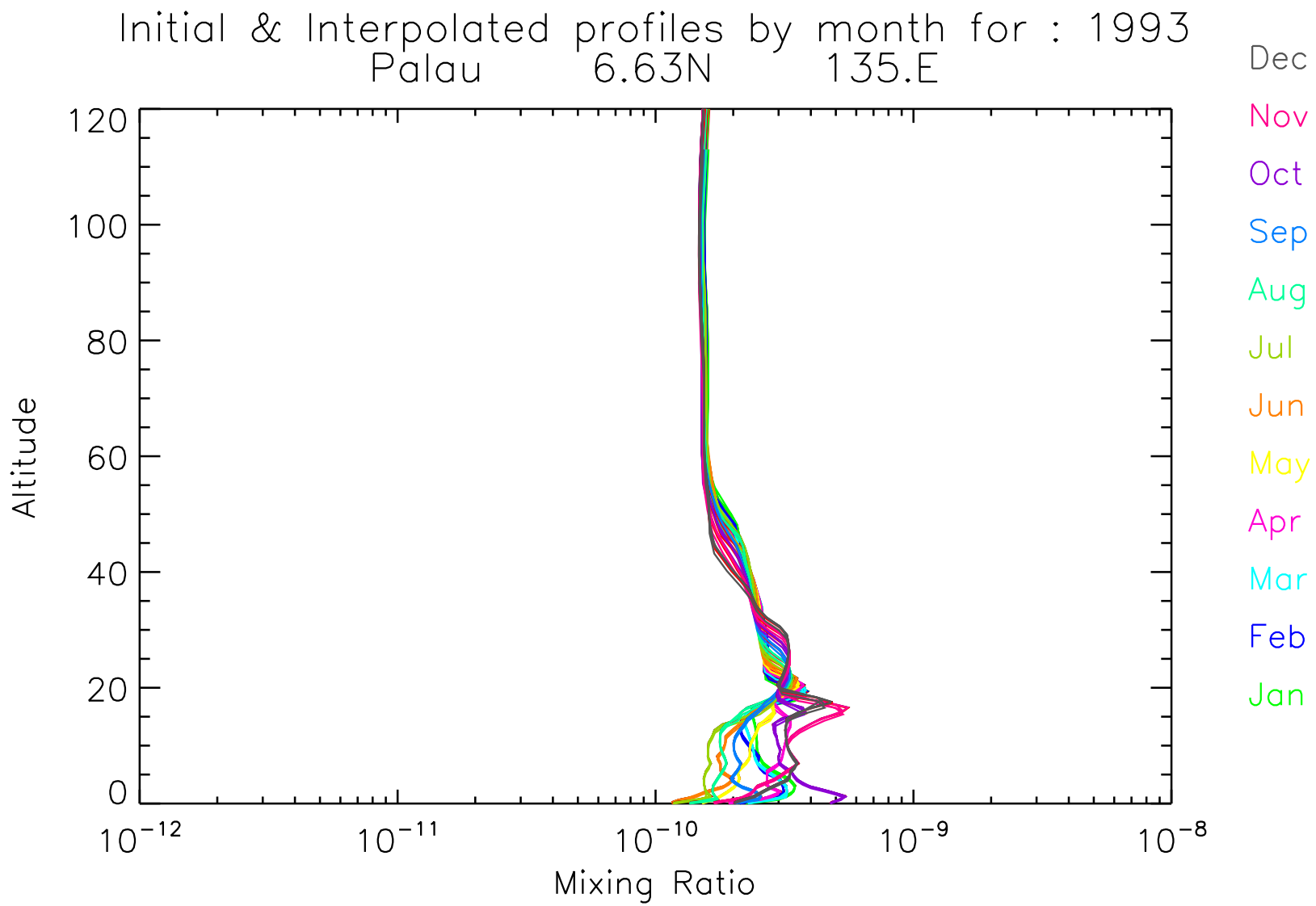
Initial & Interpolated profiles by month for : 1993
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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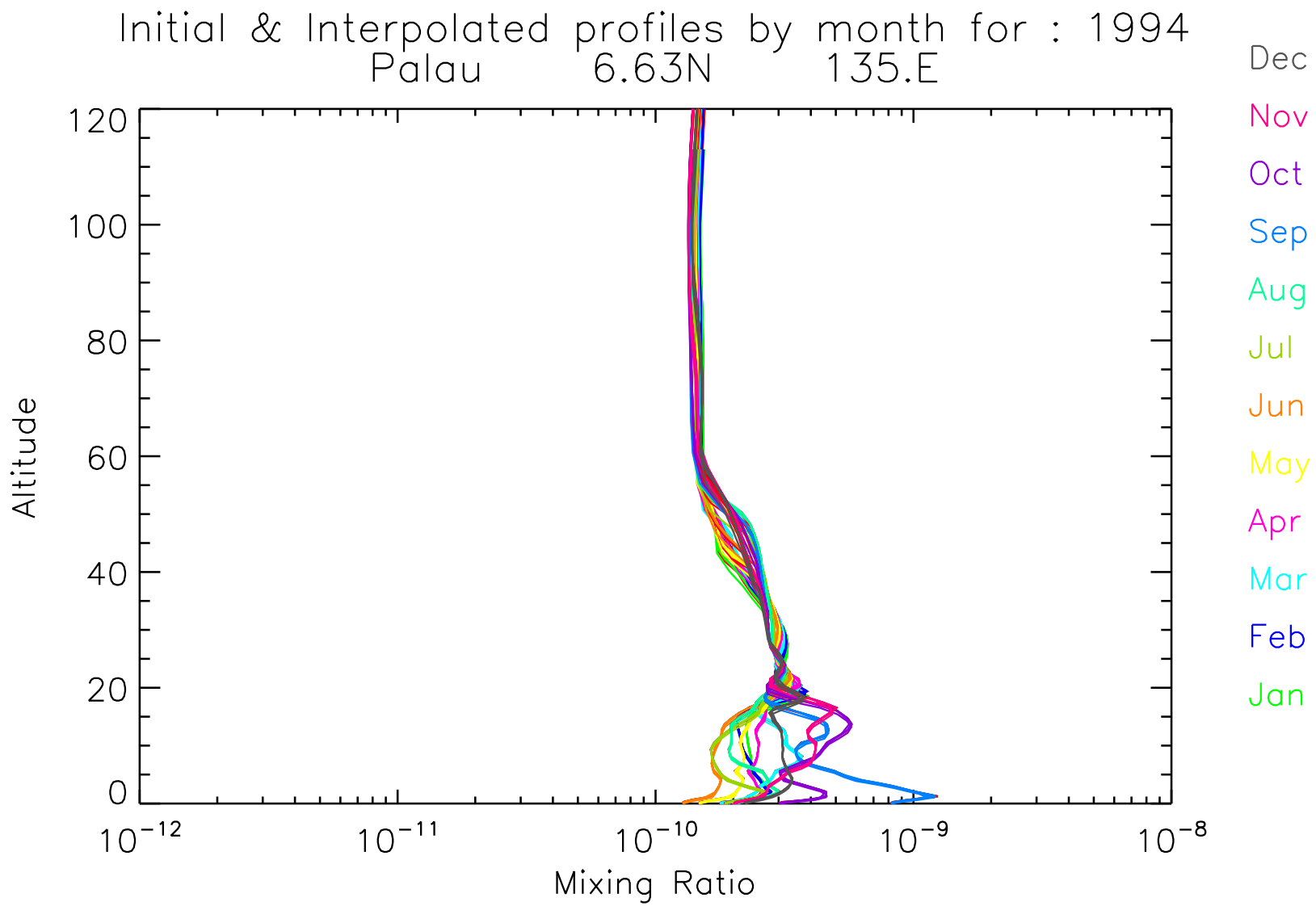
Initial & Interpolated profiles by month for : 1994
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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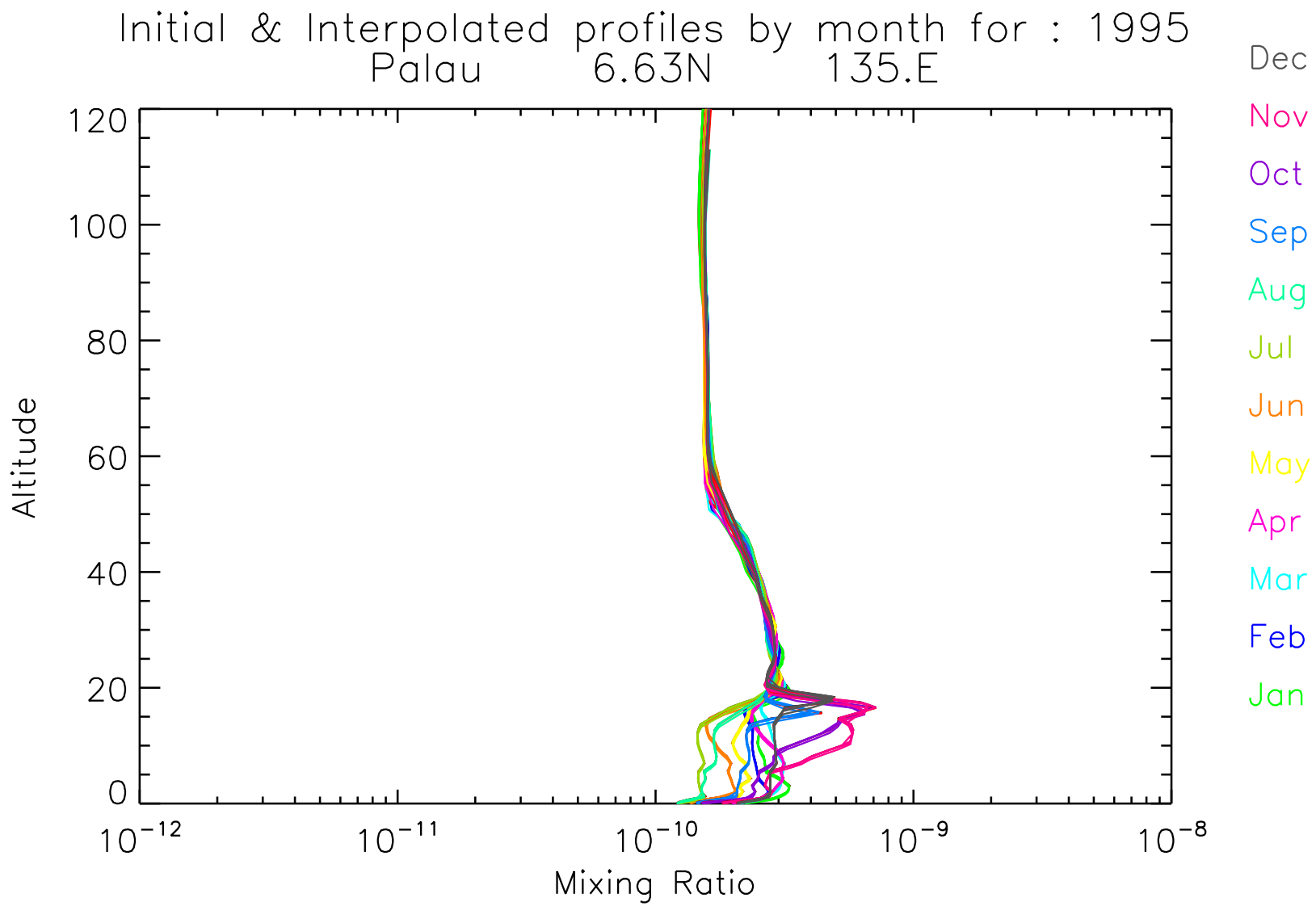
Initial & Interpolated profiles by month for : 1995
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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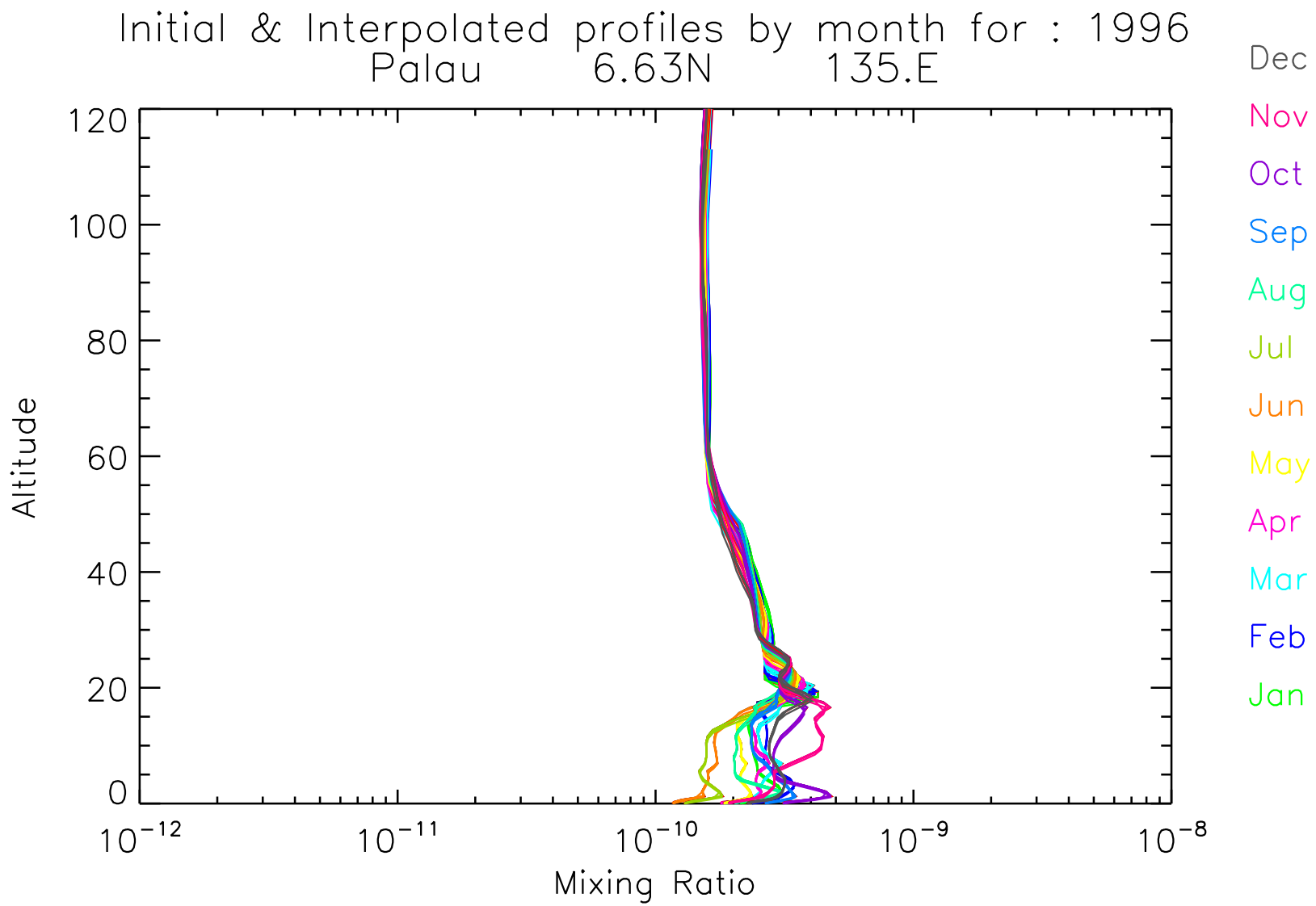
Initial & Interpolated profiles by month for : 1996
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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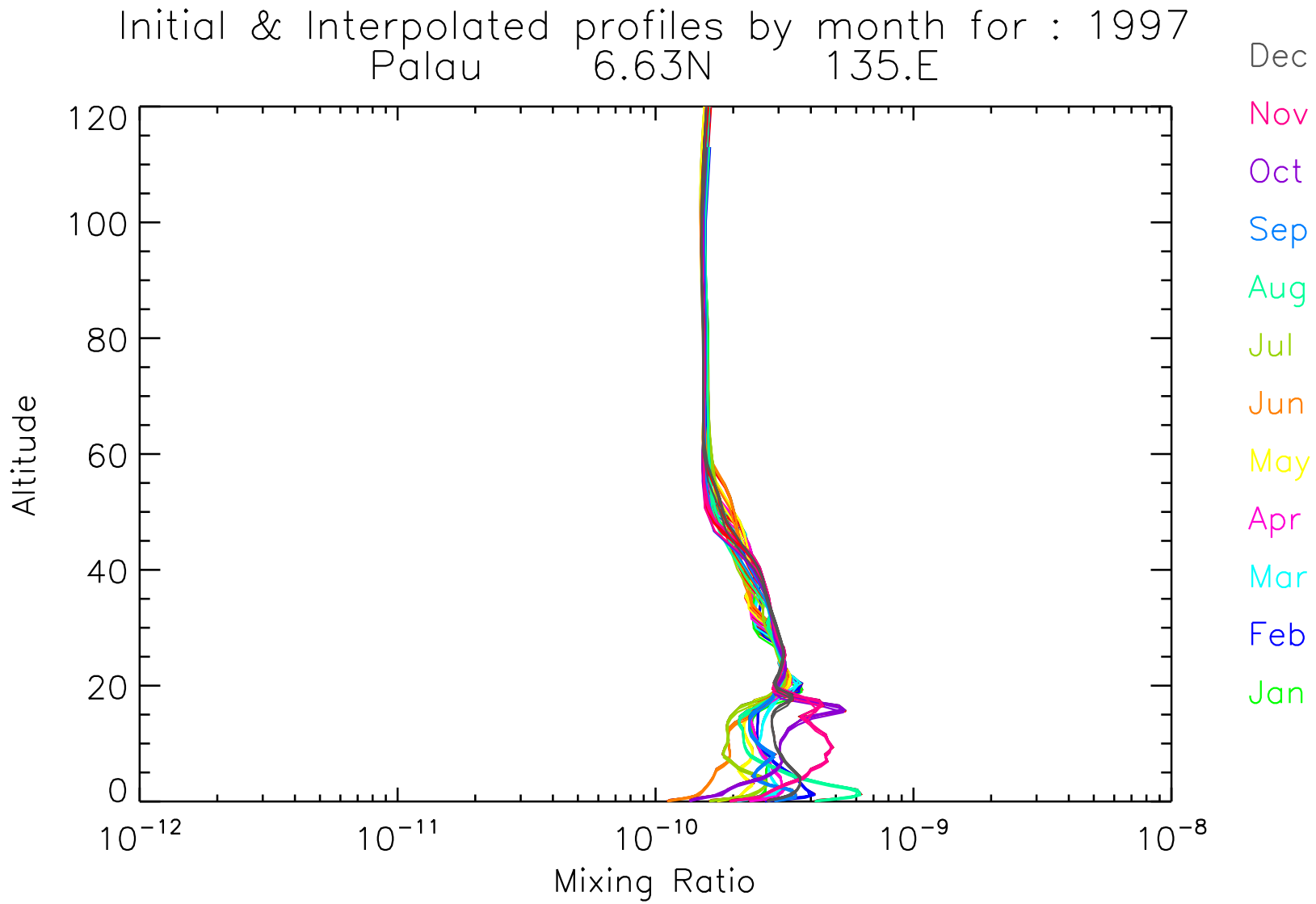
Initial & Interpolated profiles by month for : 1997
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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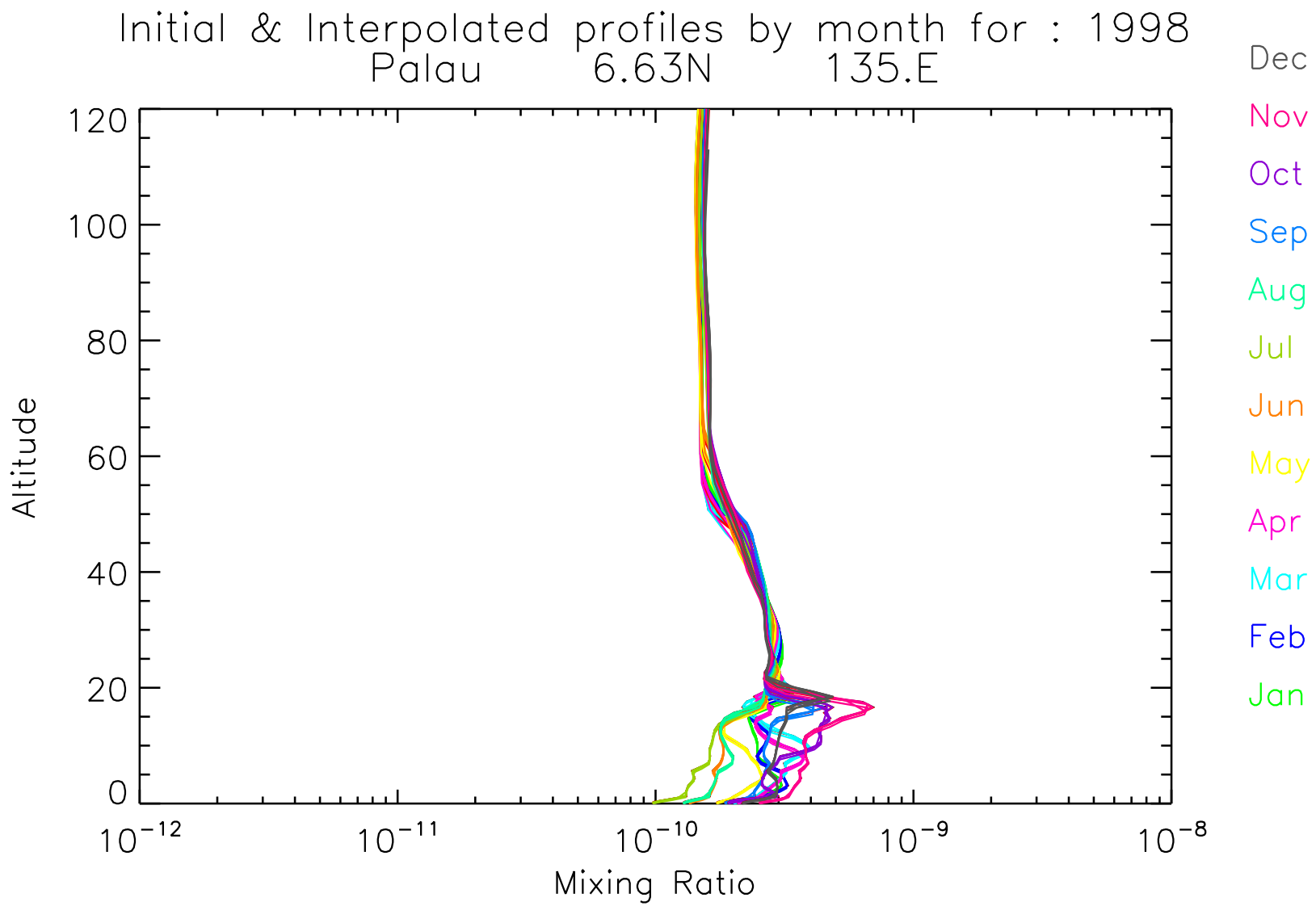
Initial & Interpolated profiles by month for : 1998
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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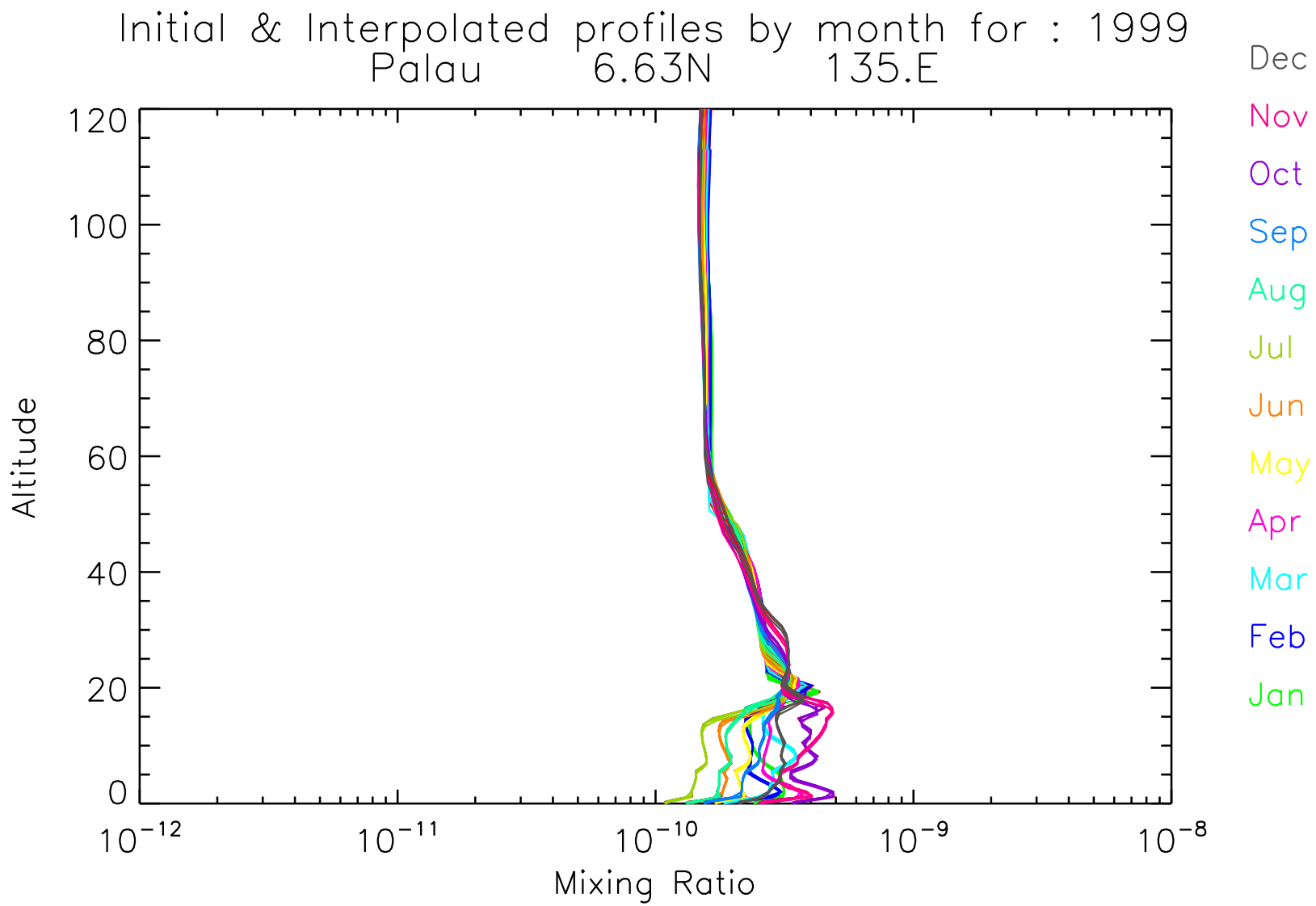
Initial & Interpolated profiles by month for : 1999
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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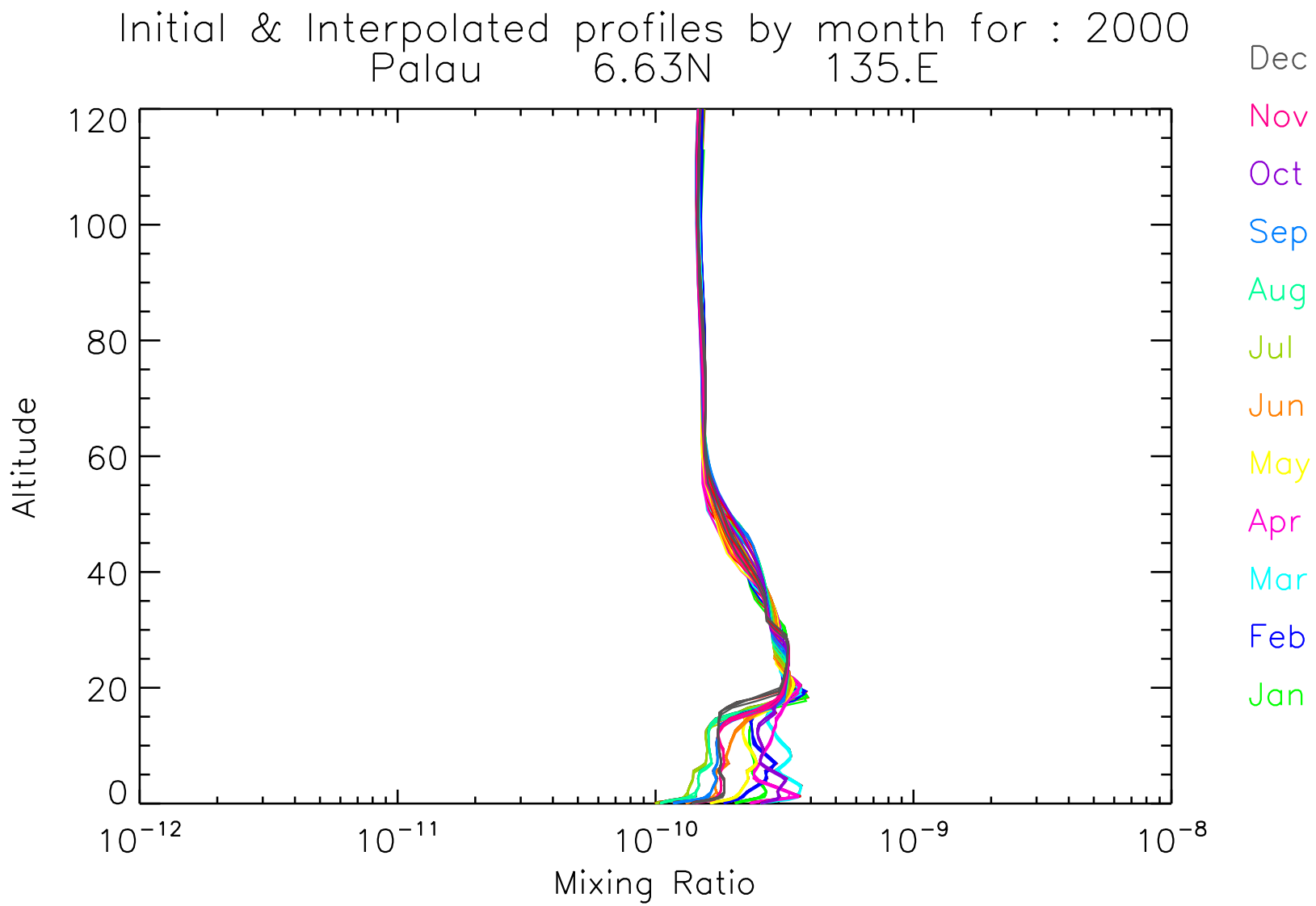
Initial & Interpolated profiles by month for : 2000
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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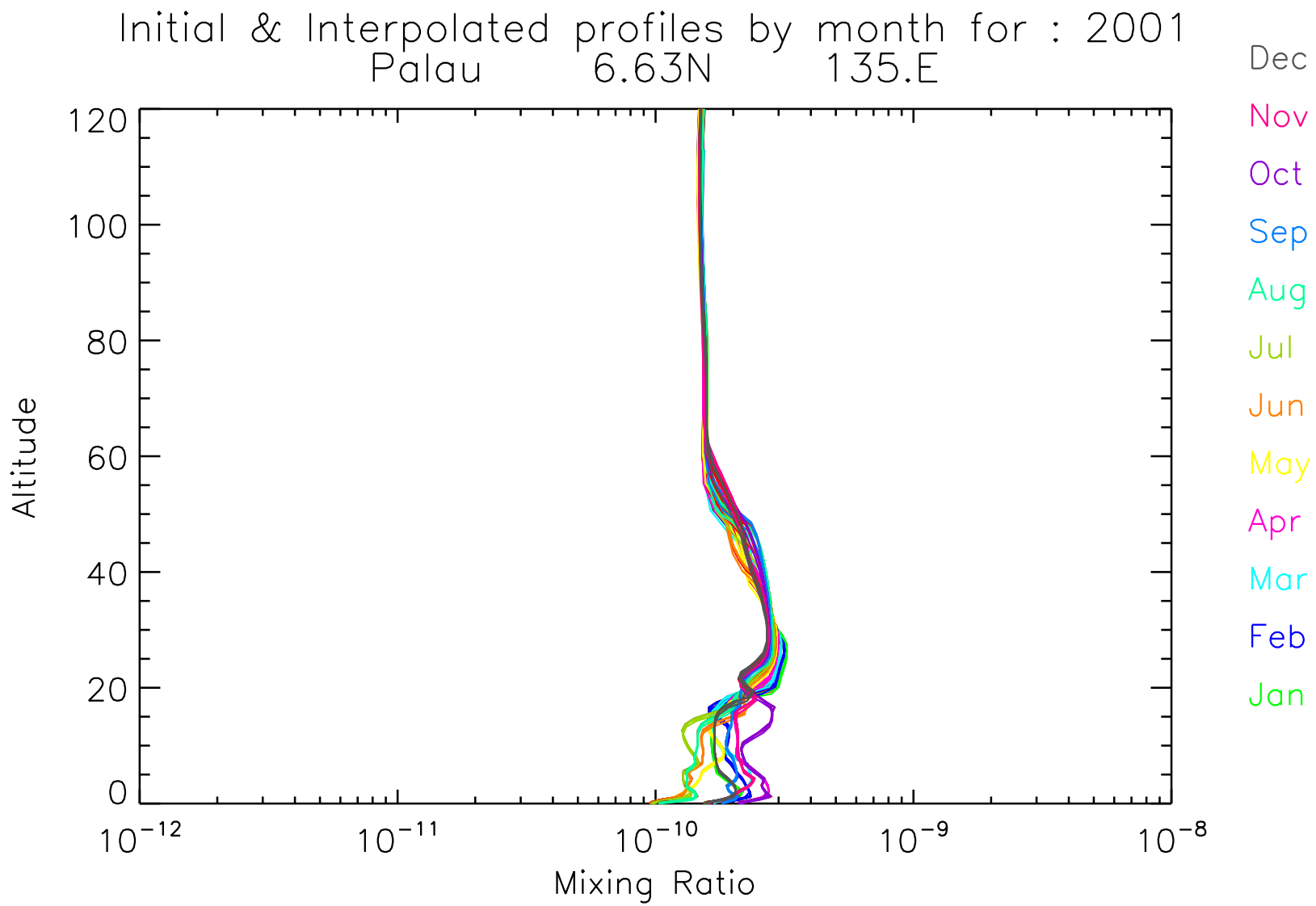
Initial & Interpolated profiles by month for : 2001
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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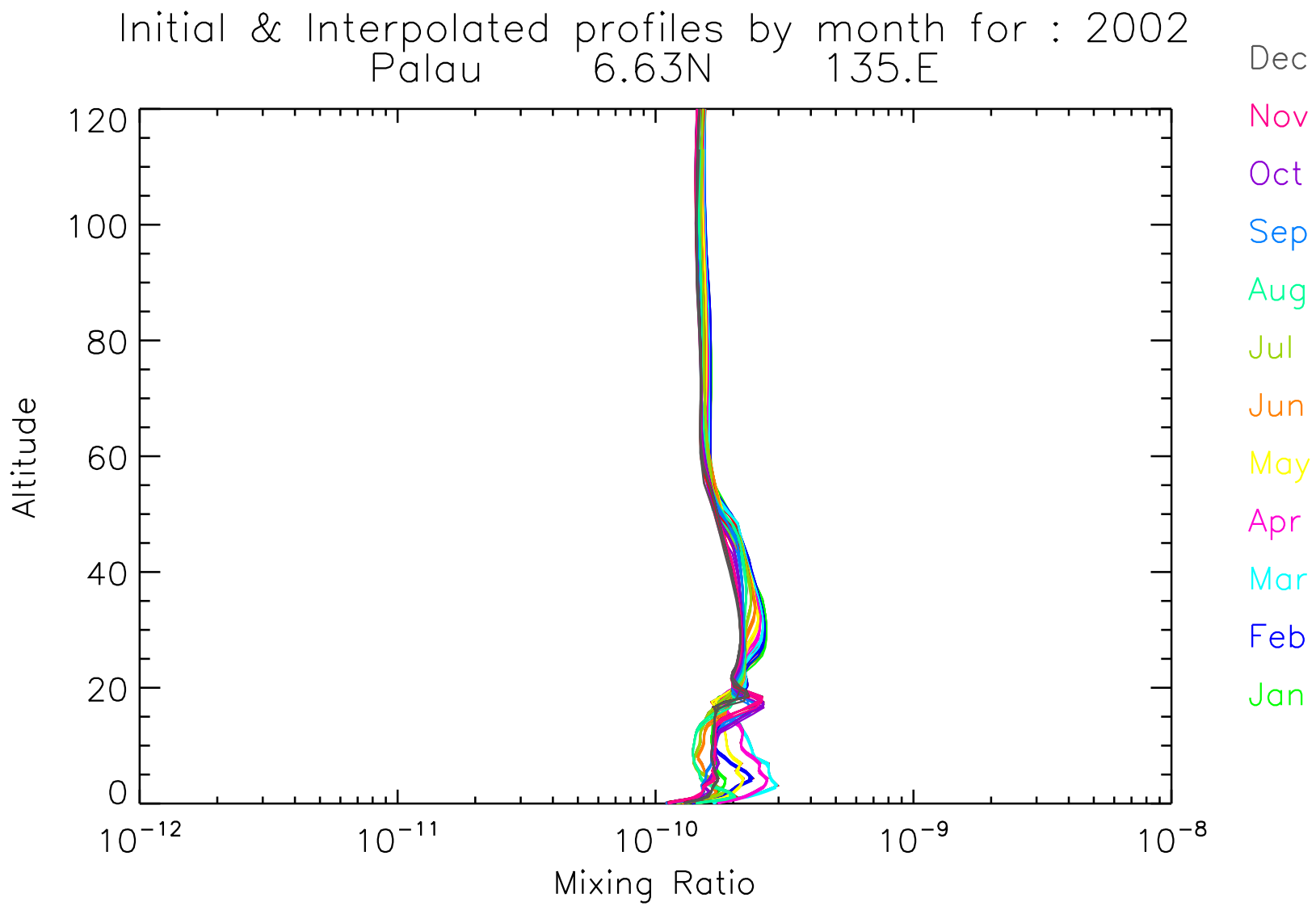
Initial & Interpolated profiles by month for : 2002
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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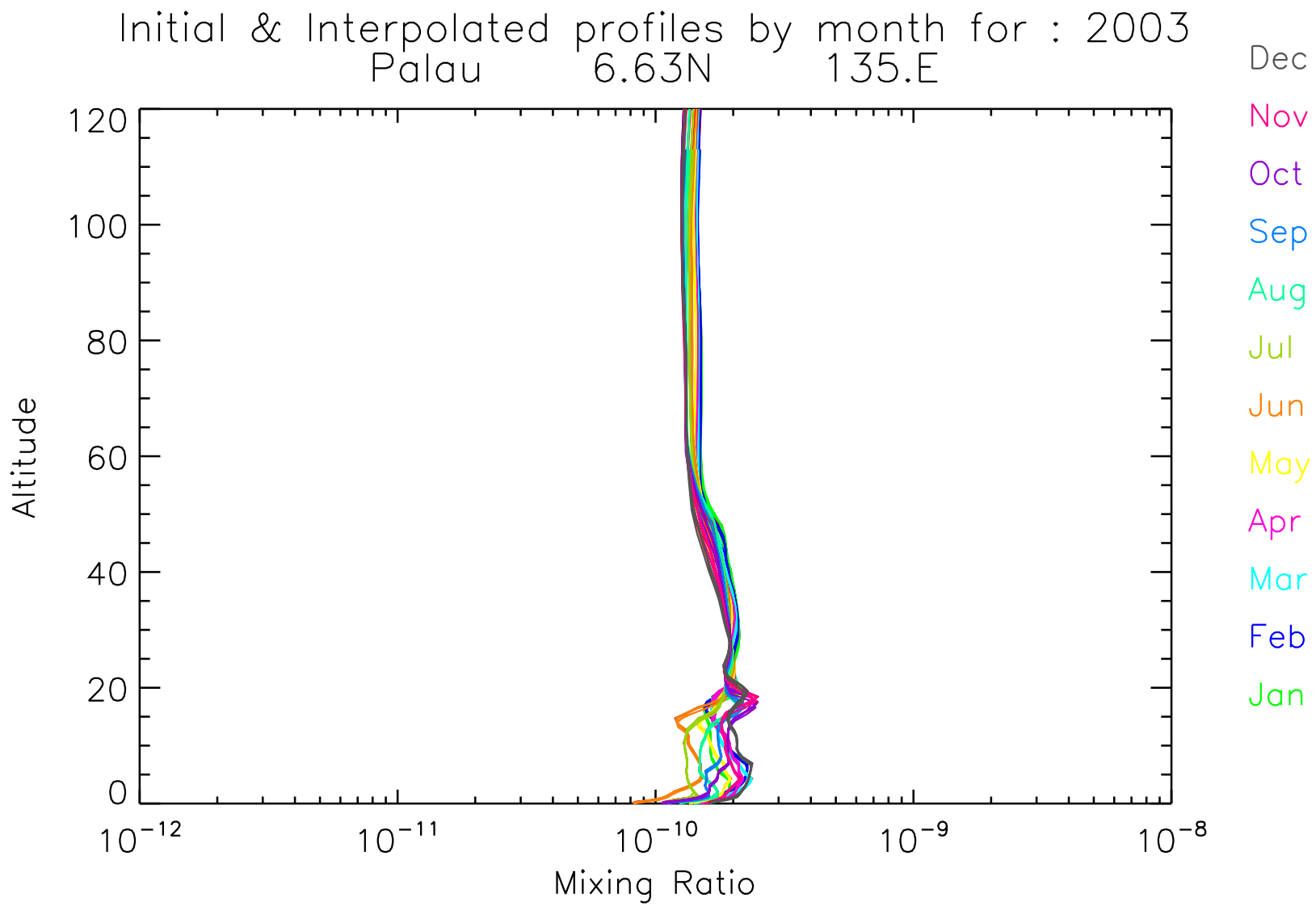
Initial & Interpolated profiles by month for : 2003
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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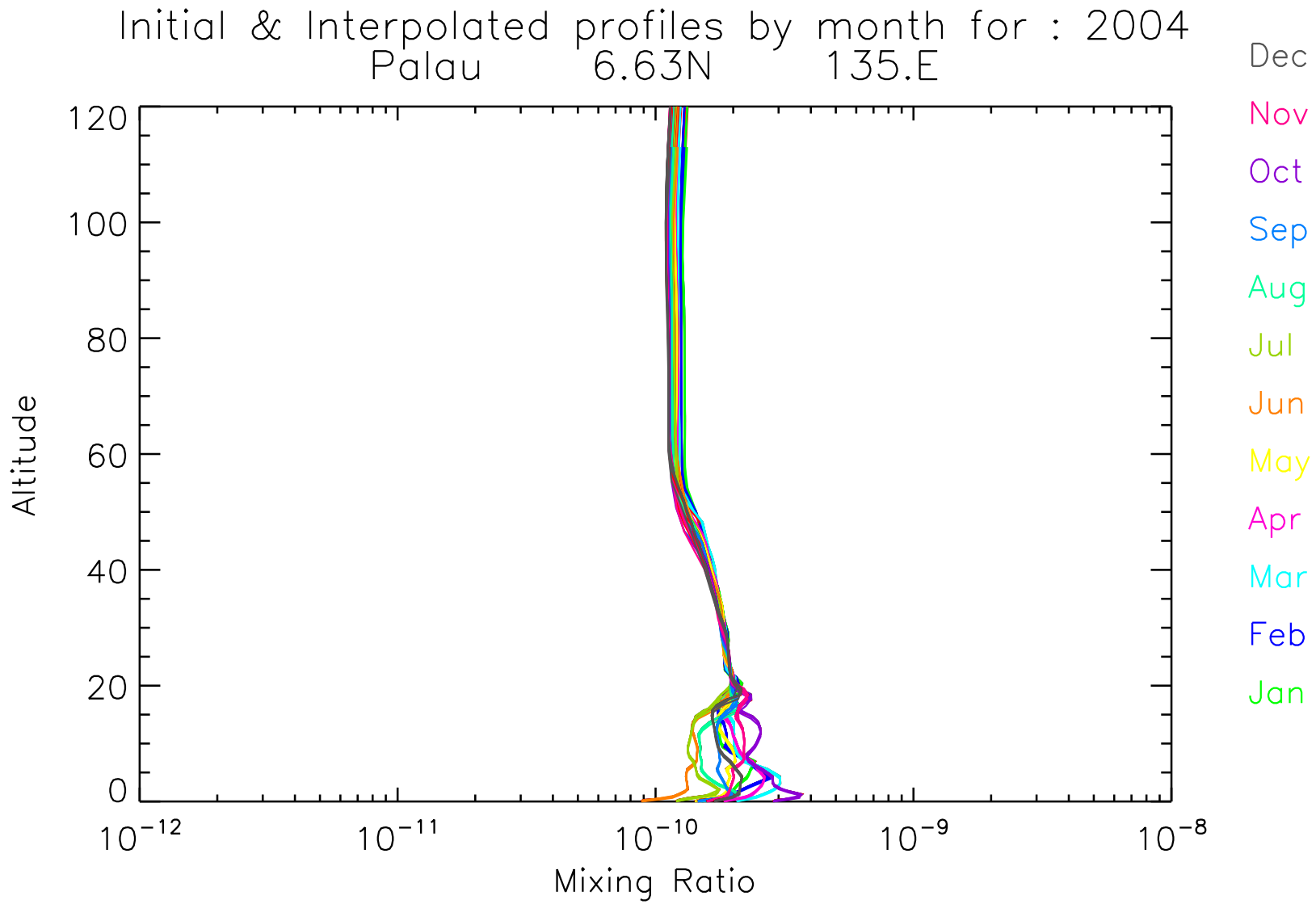
Initial & Interpolated profiles by month for : 2004
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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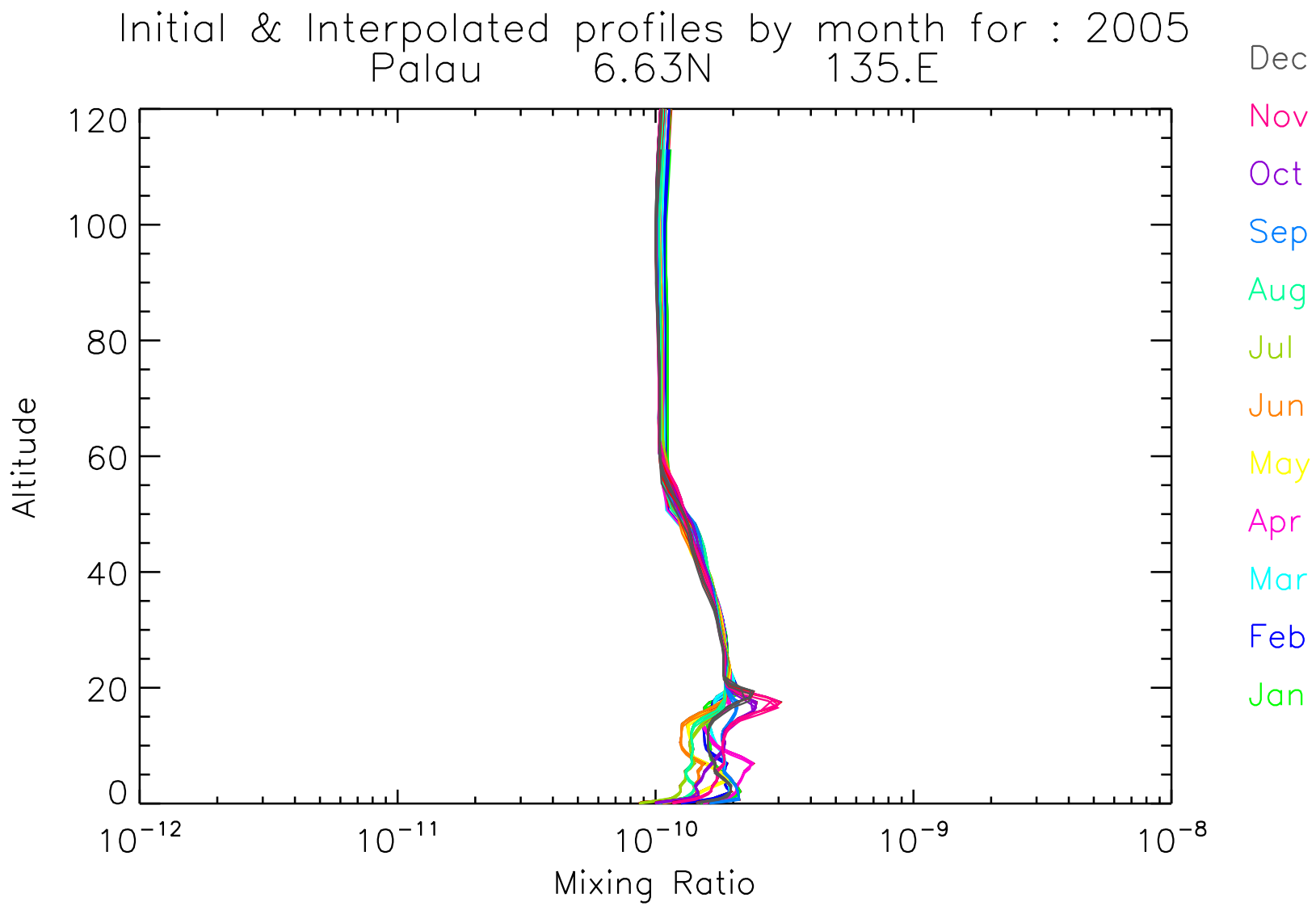
Initial & Interpolated profiles by month for : 2005
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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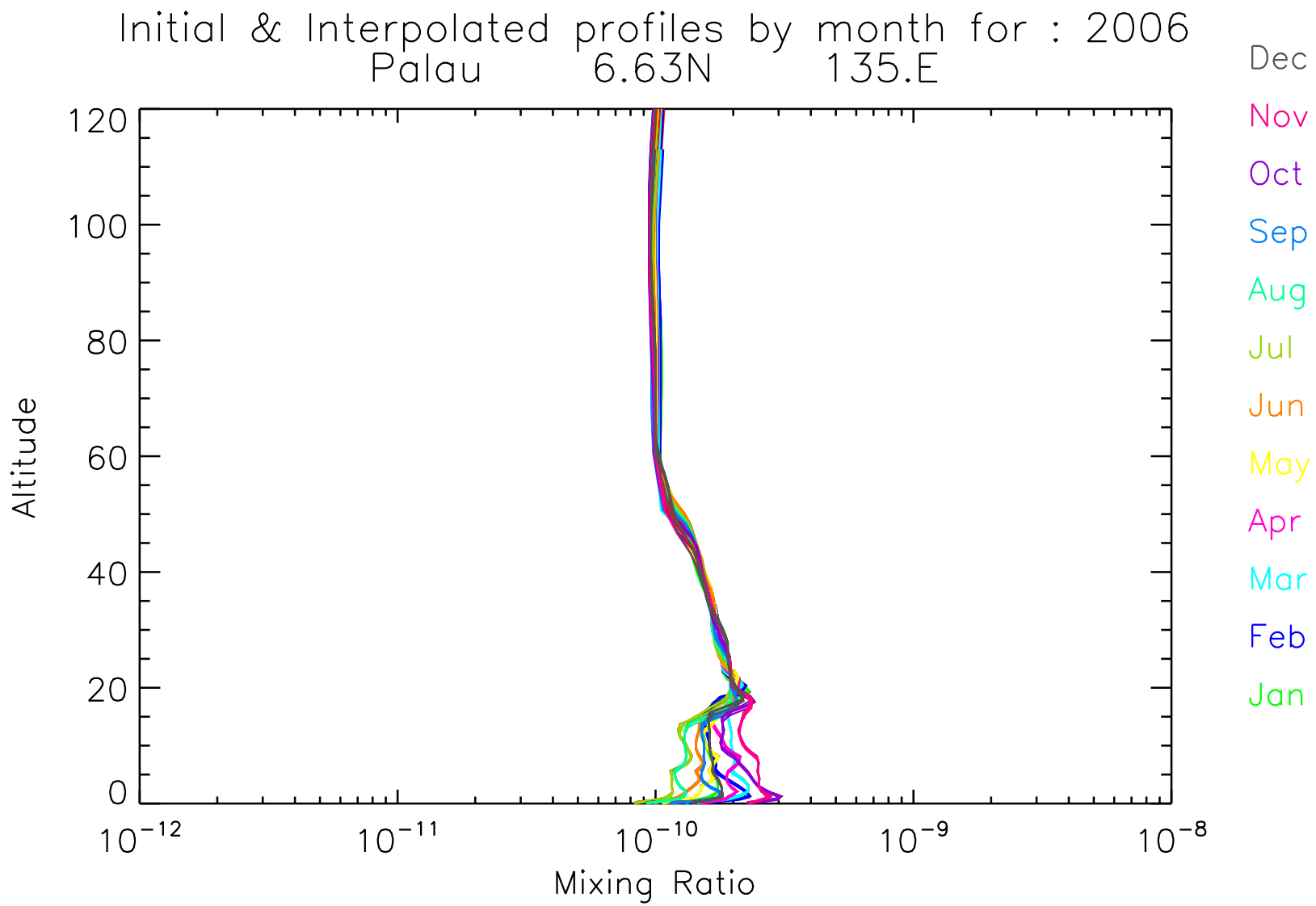
Initial & Interpolated profiles by month for : 2006
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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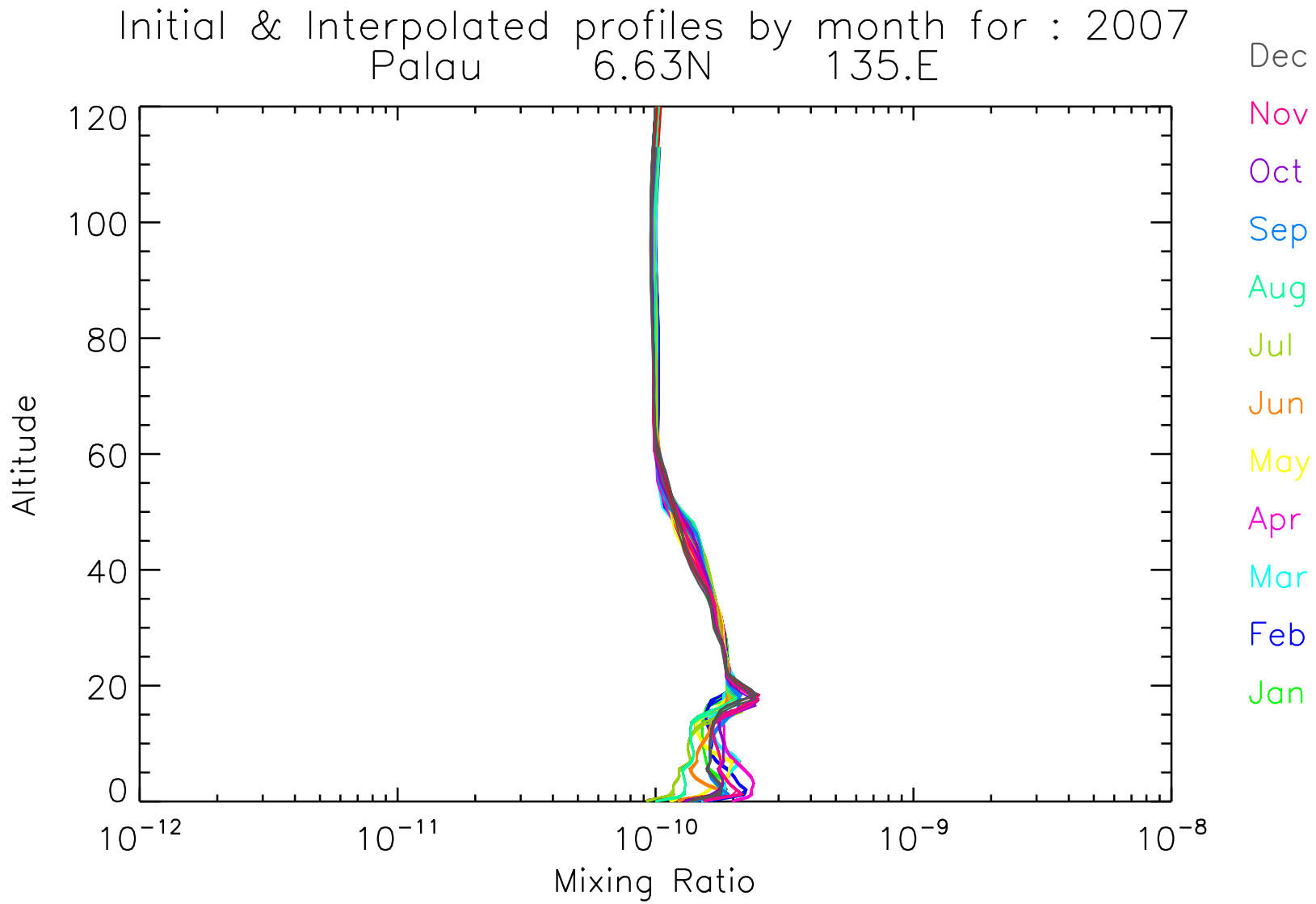
Initial & Interpolated profiles by month for : 2007
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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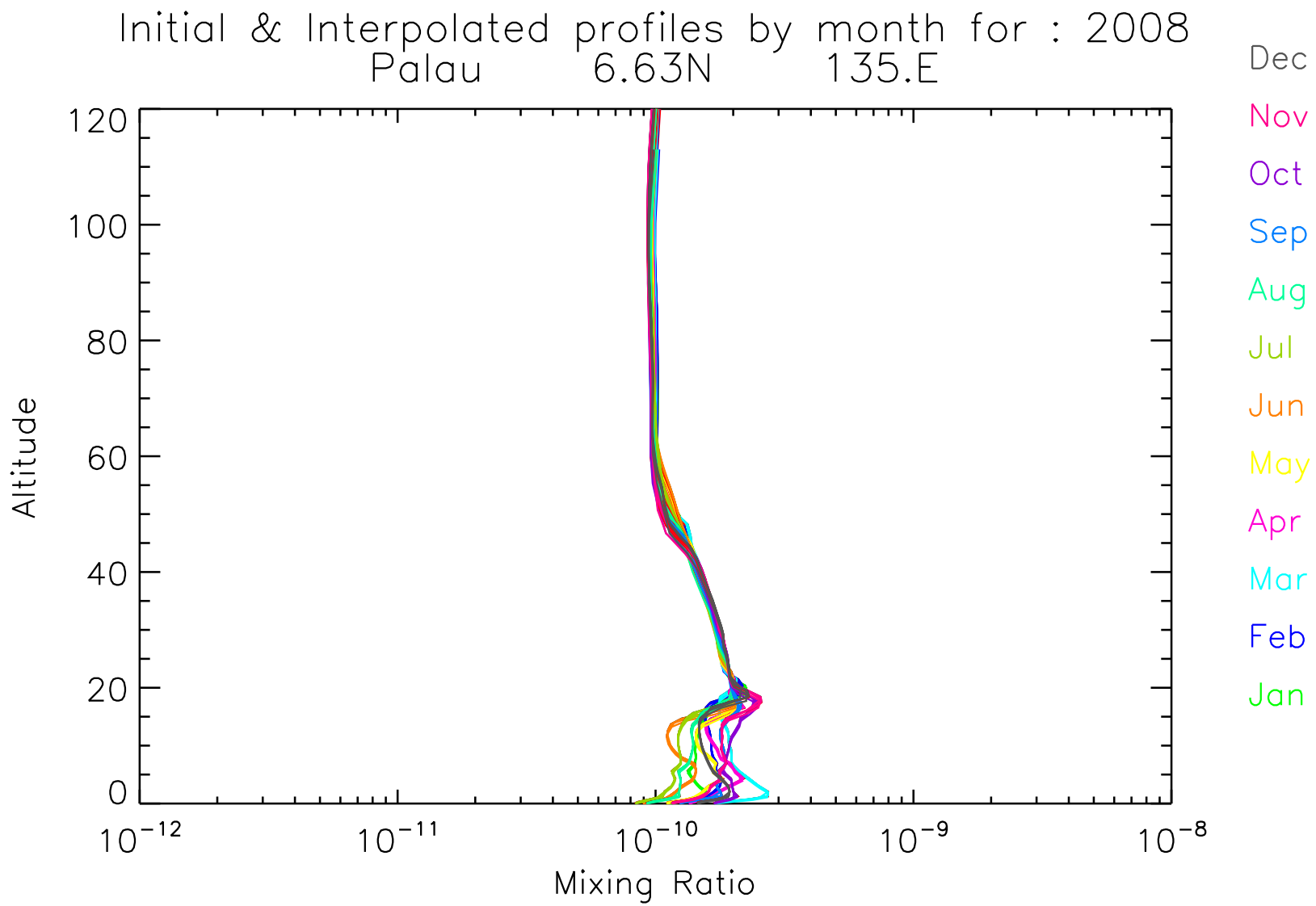
Initial & Interpolated profiles by month for : 2008
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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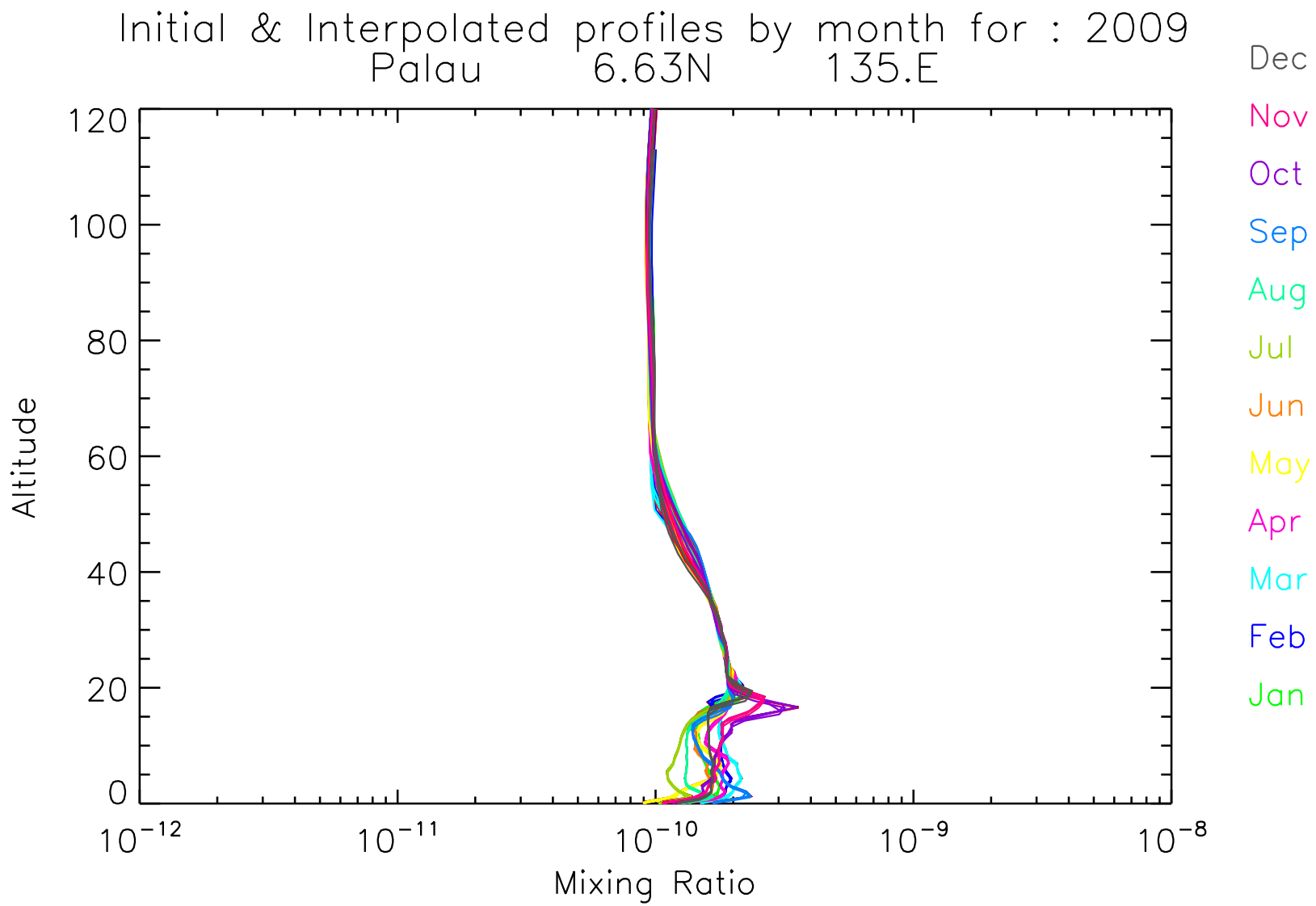
Initial & Interpolated profiles by month for : 2009
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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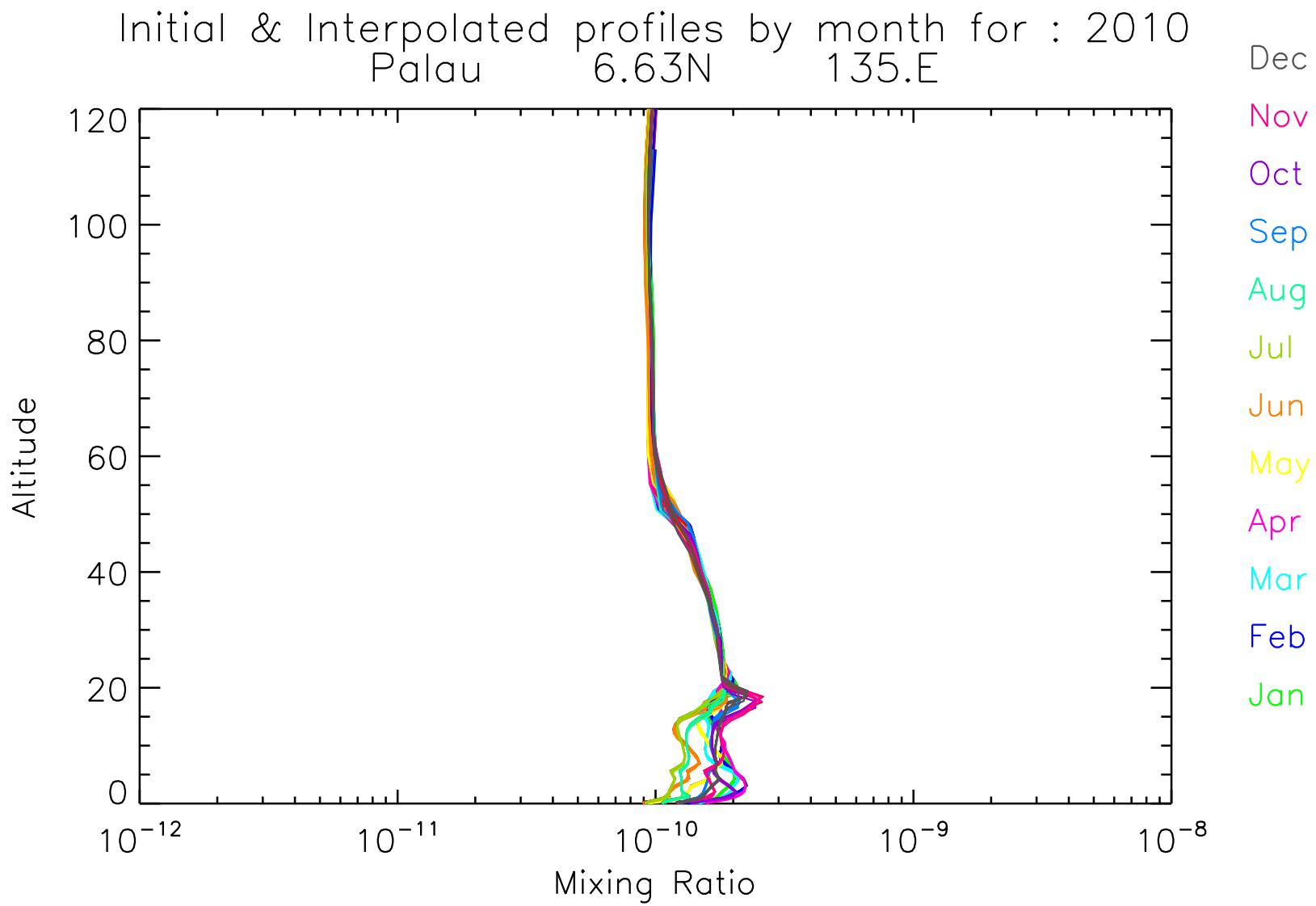
Initial & Interpolated profiles by month for : 2010
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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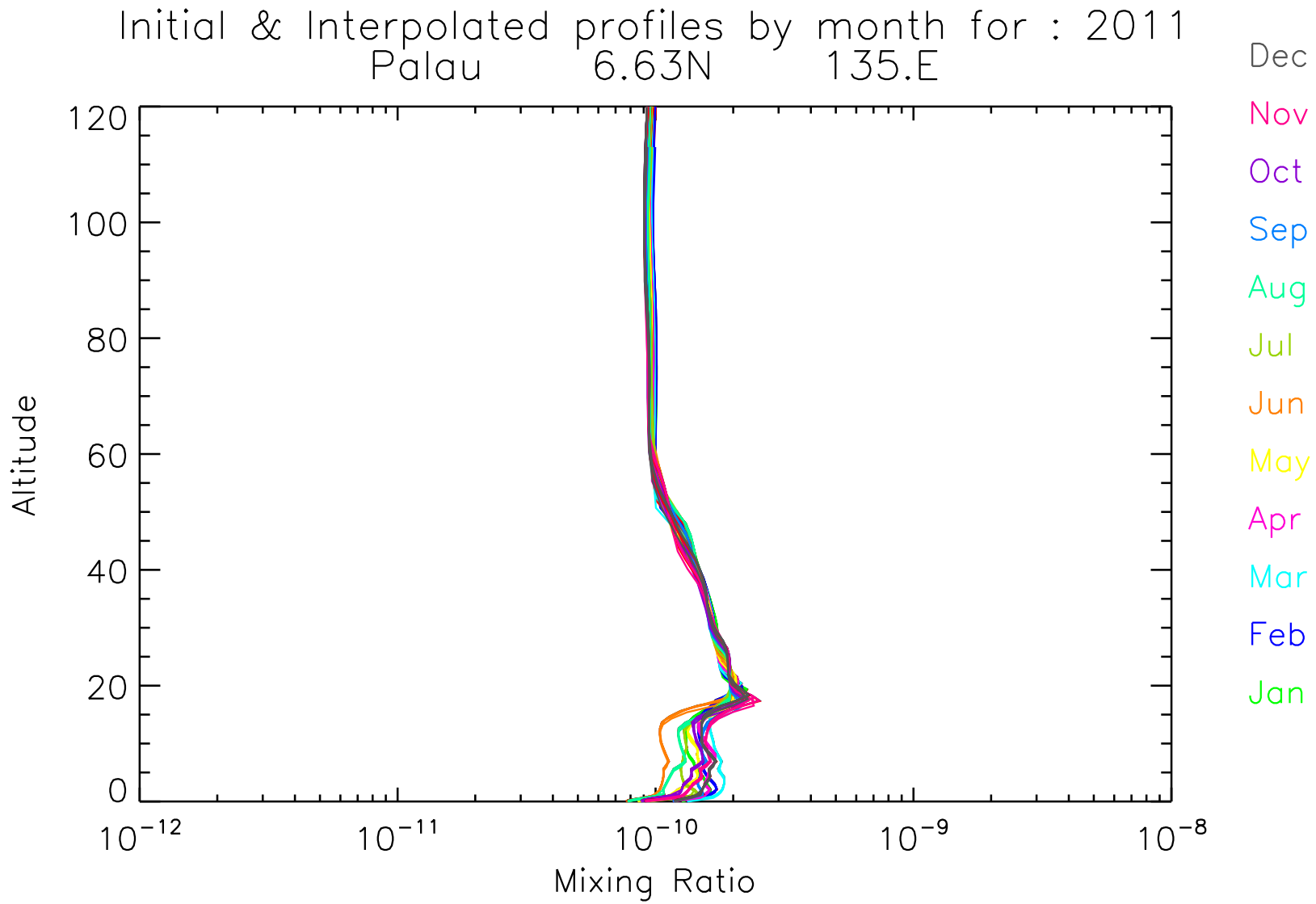
Initial & Interpolated profiles by month for : 2011
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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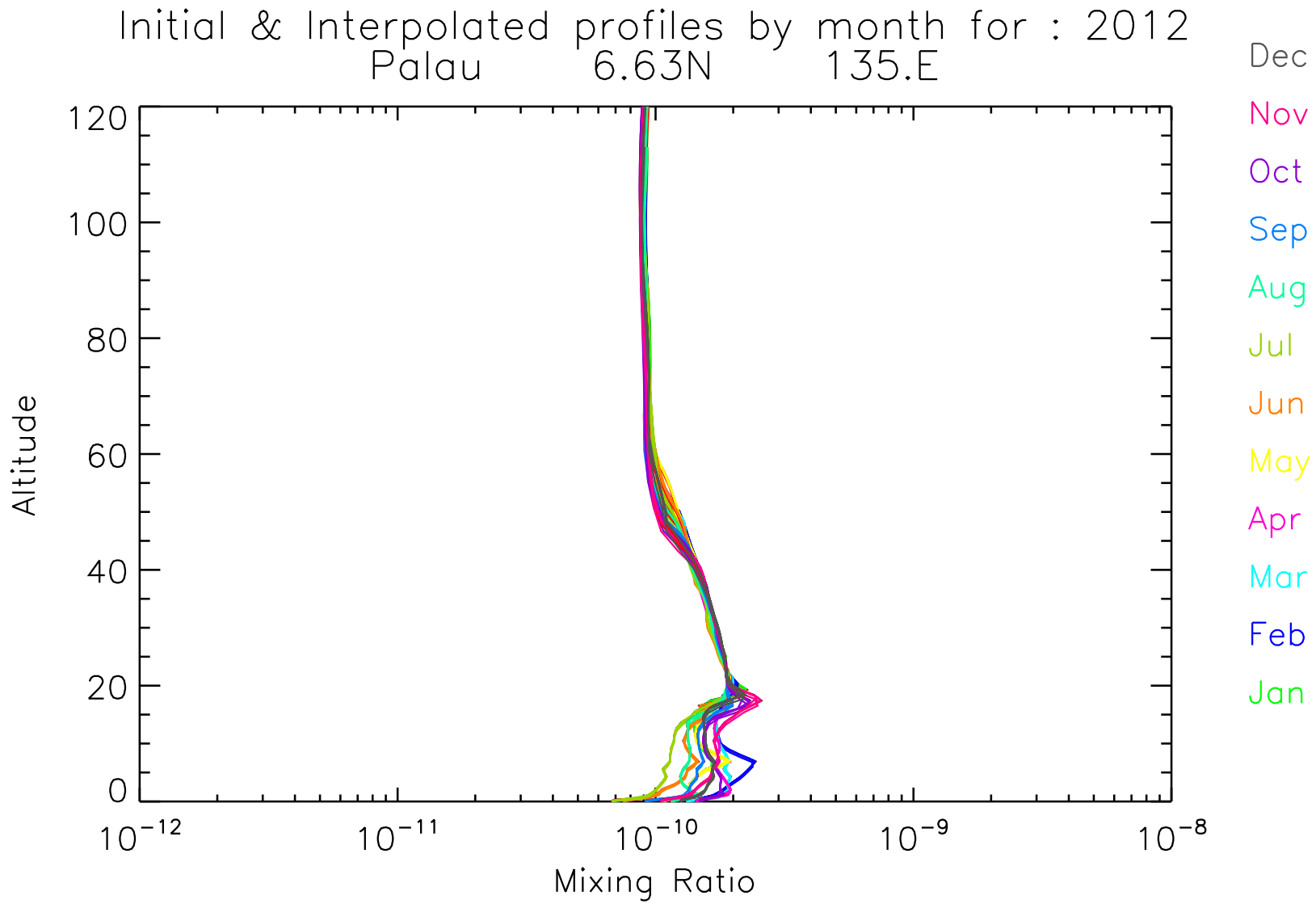
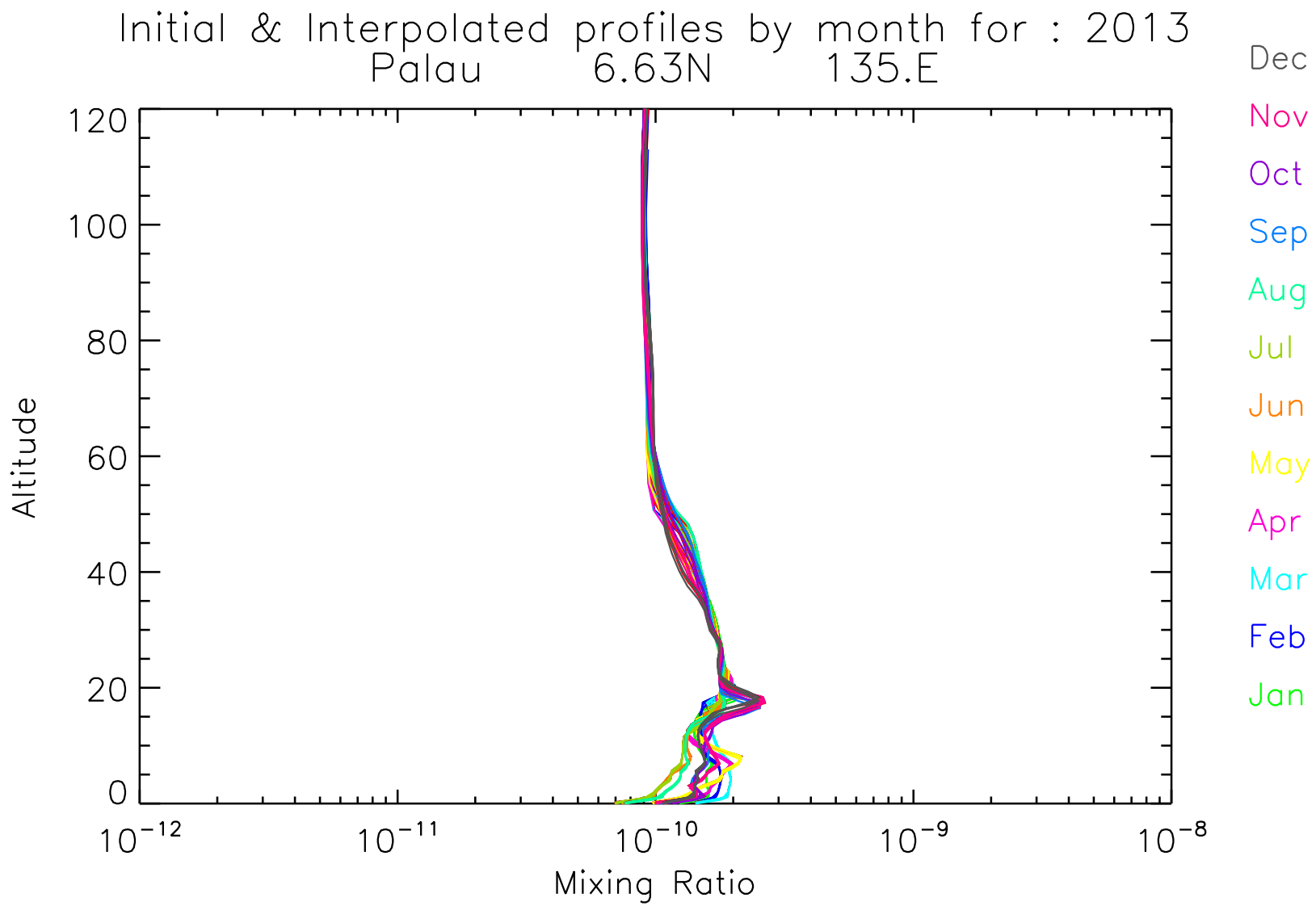
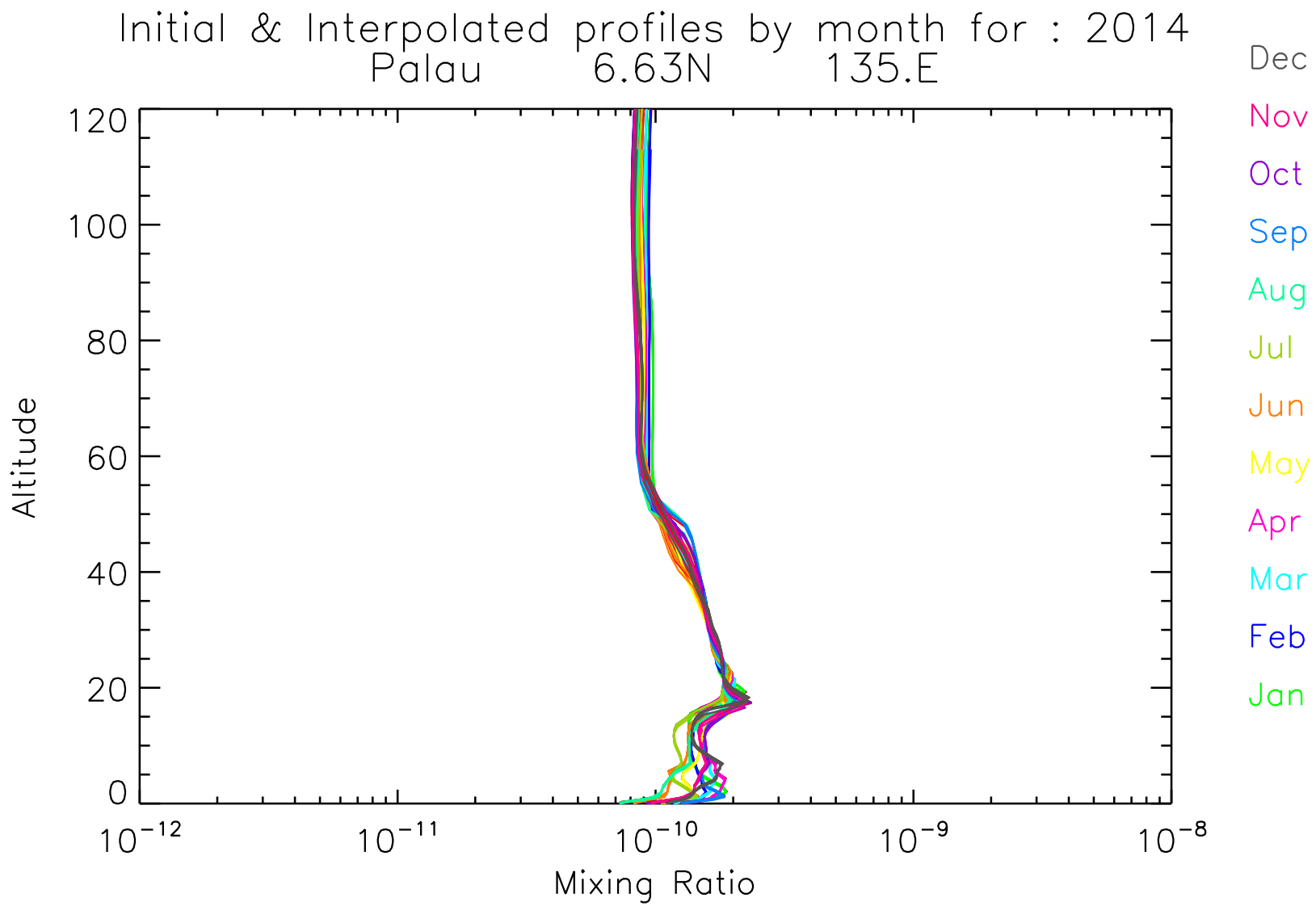
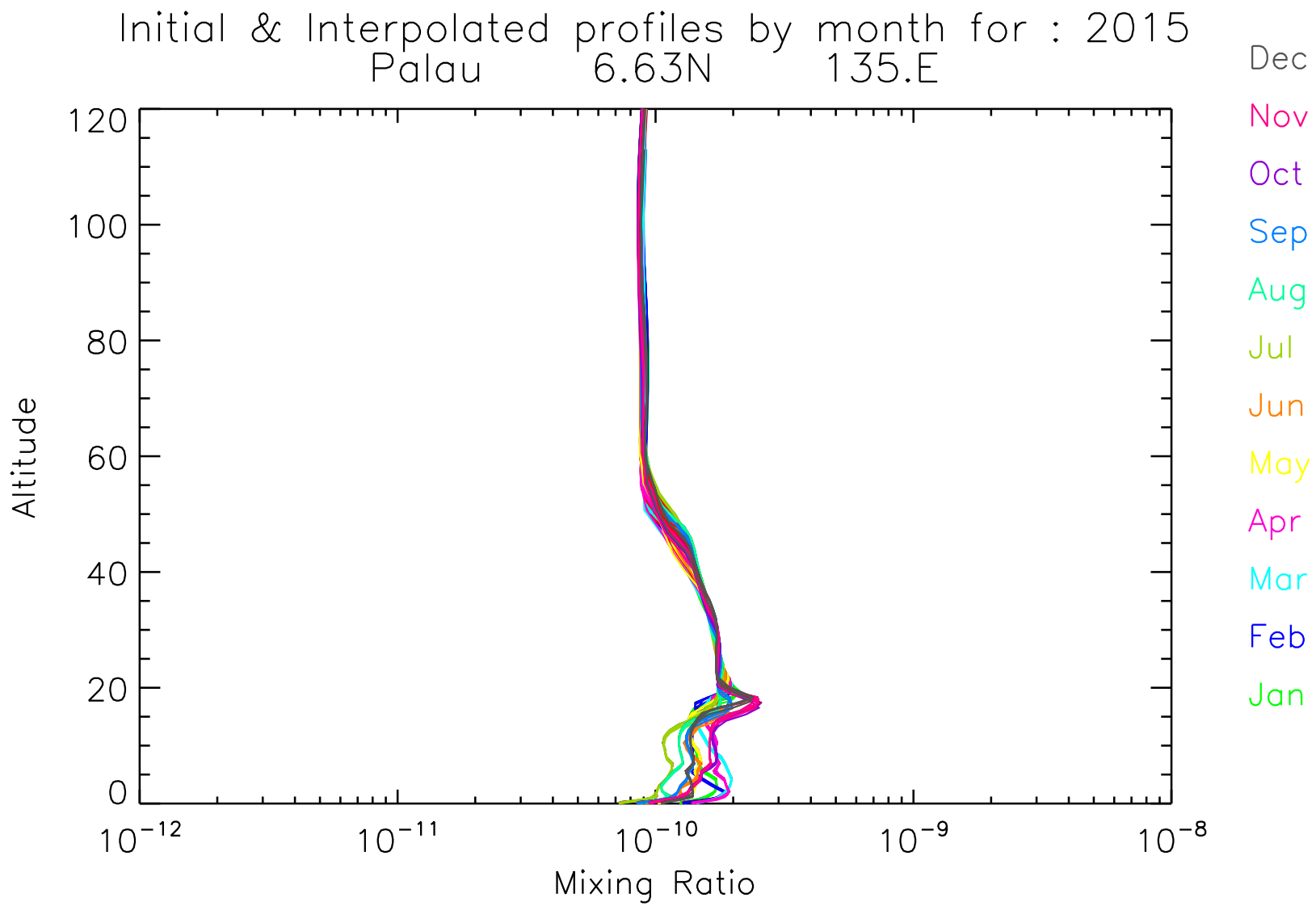
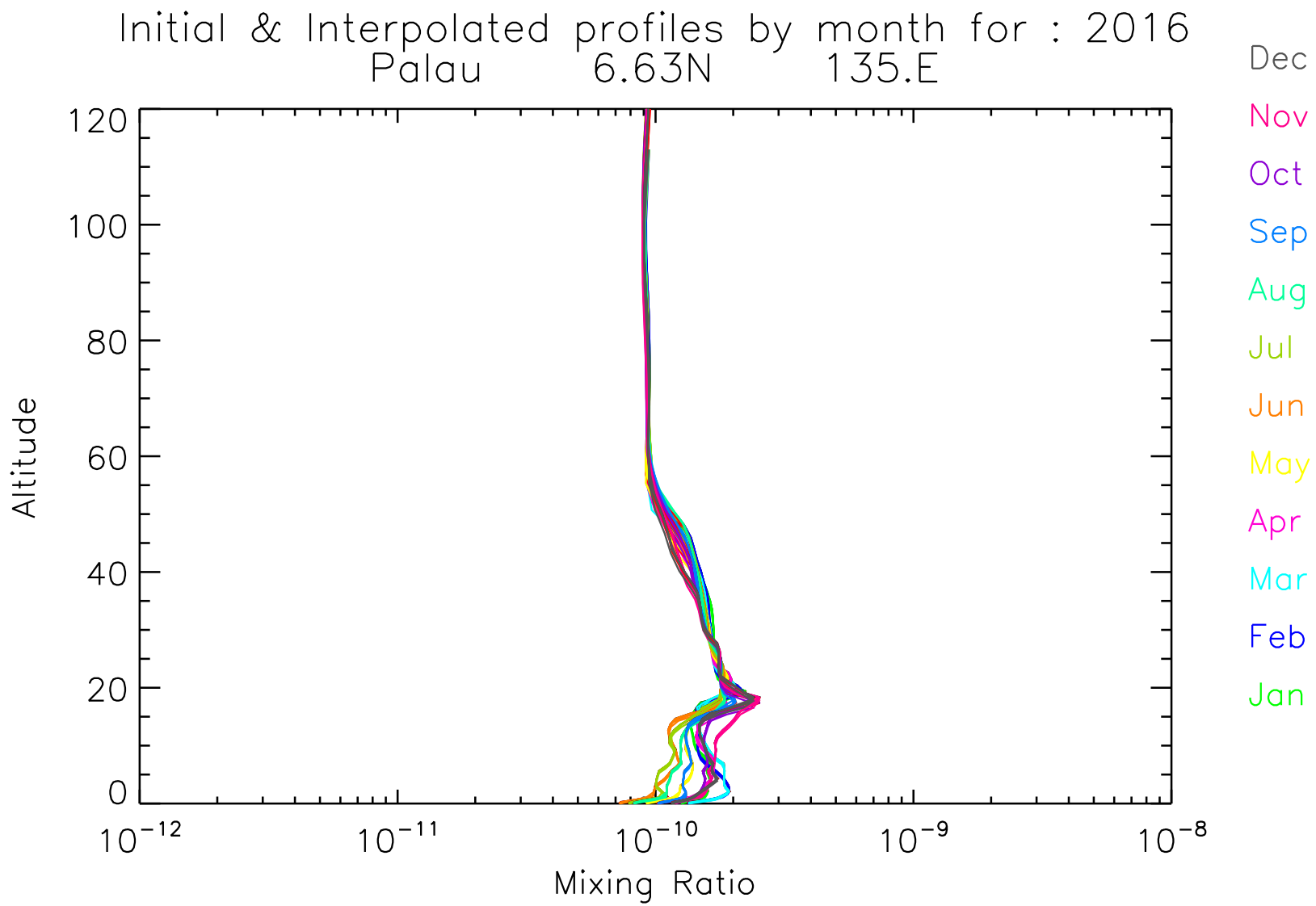
Feb
Jan

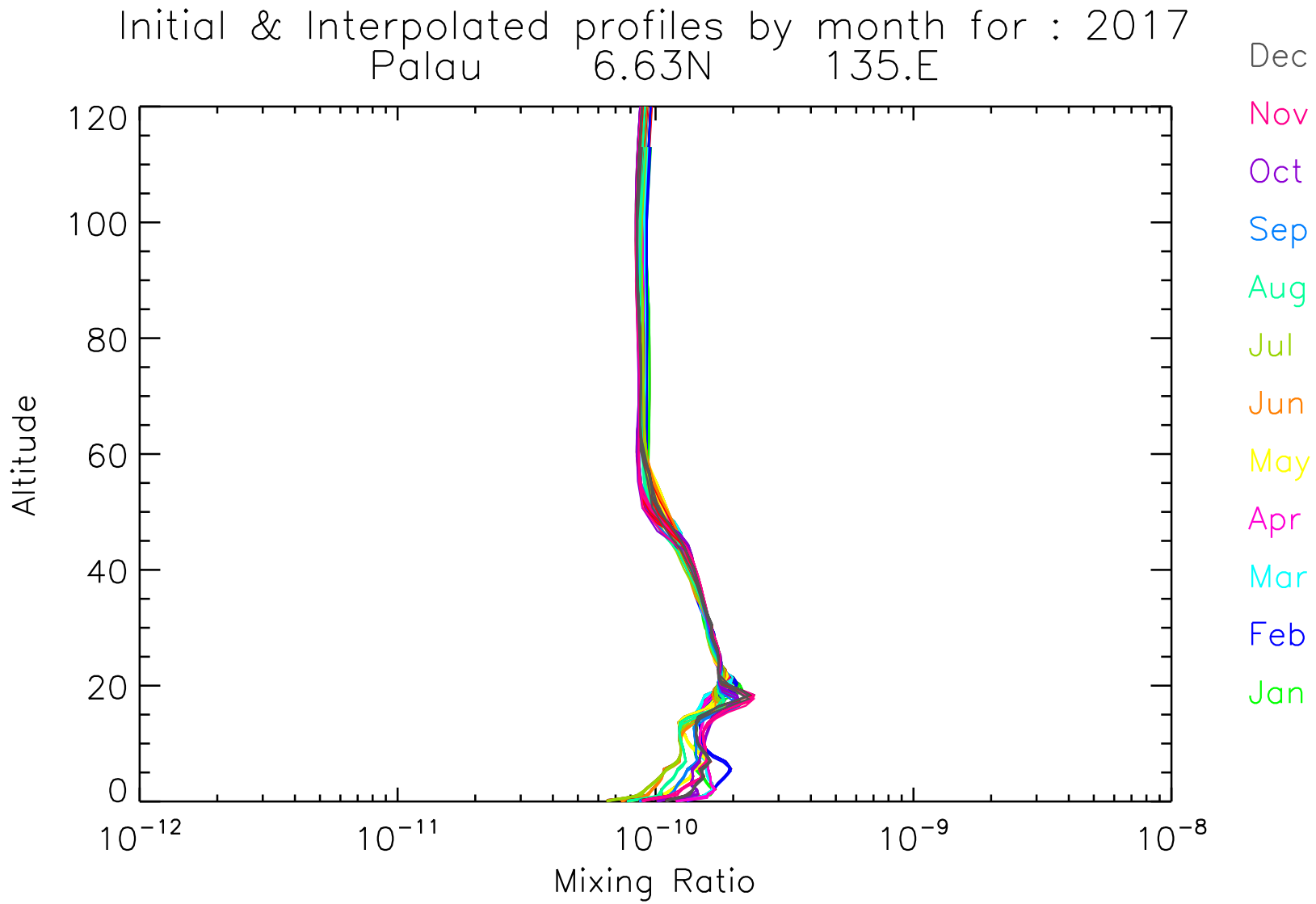

Initial & Interpolated profiles by month for : 2012
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

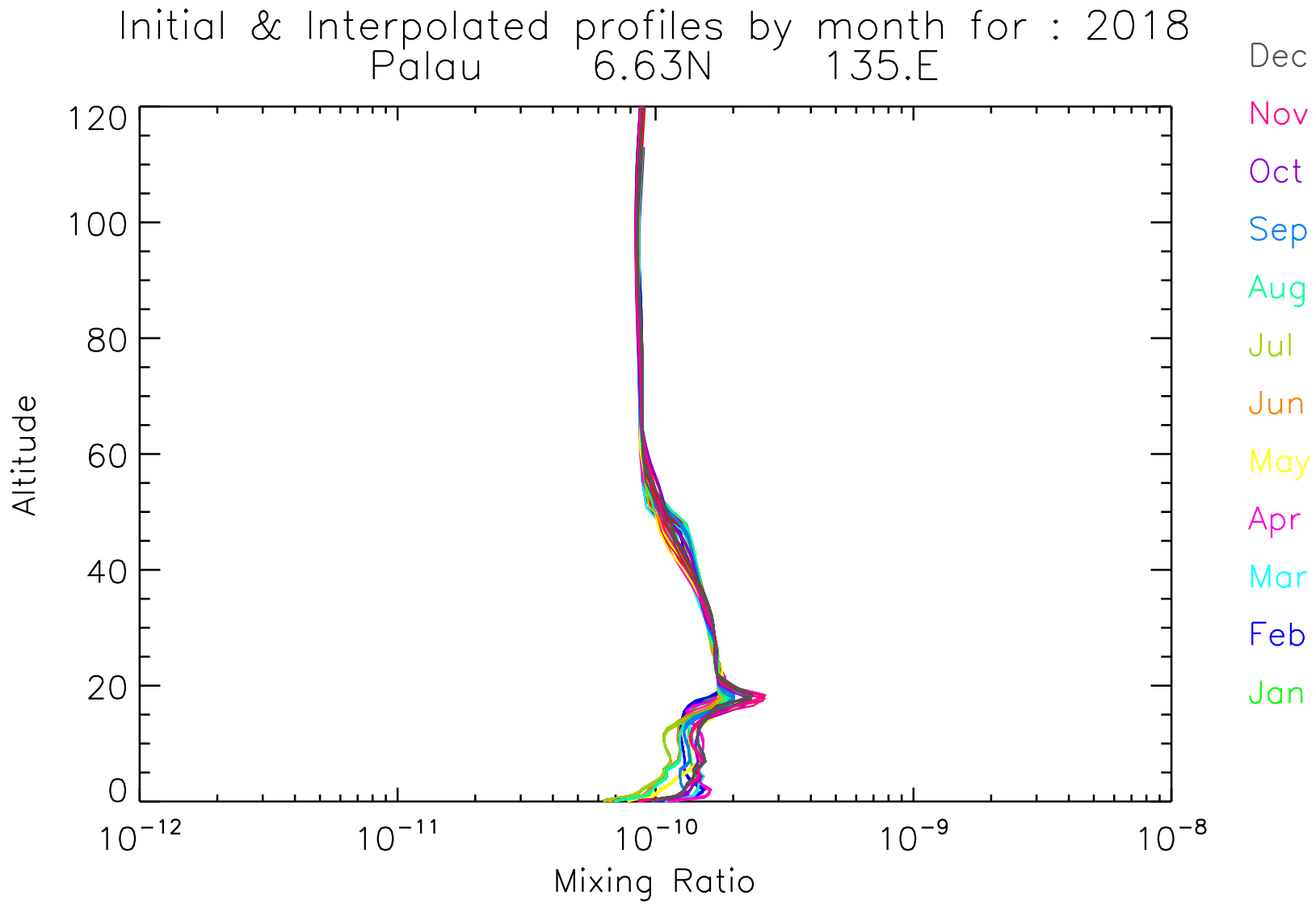

Initial & Interpolated profiles by month for : 2013
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

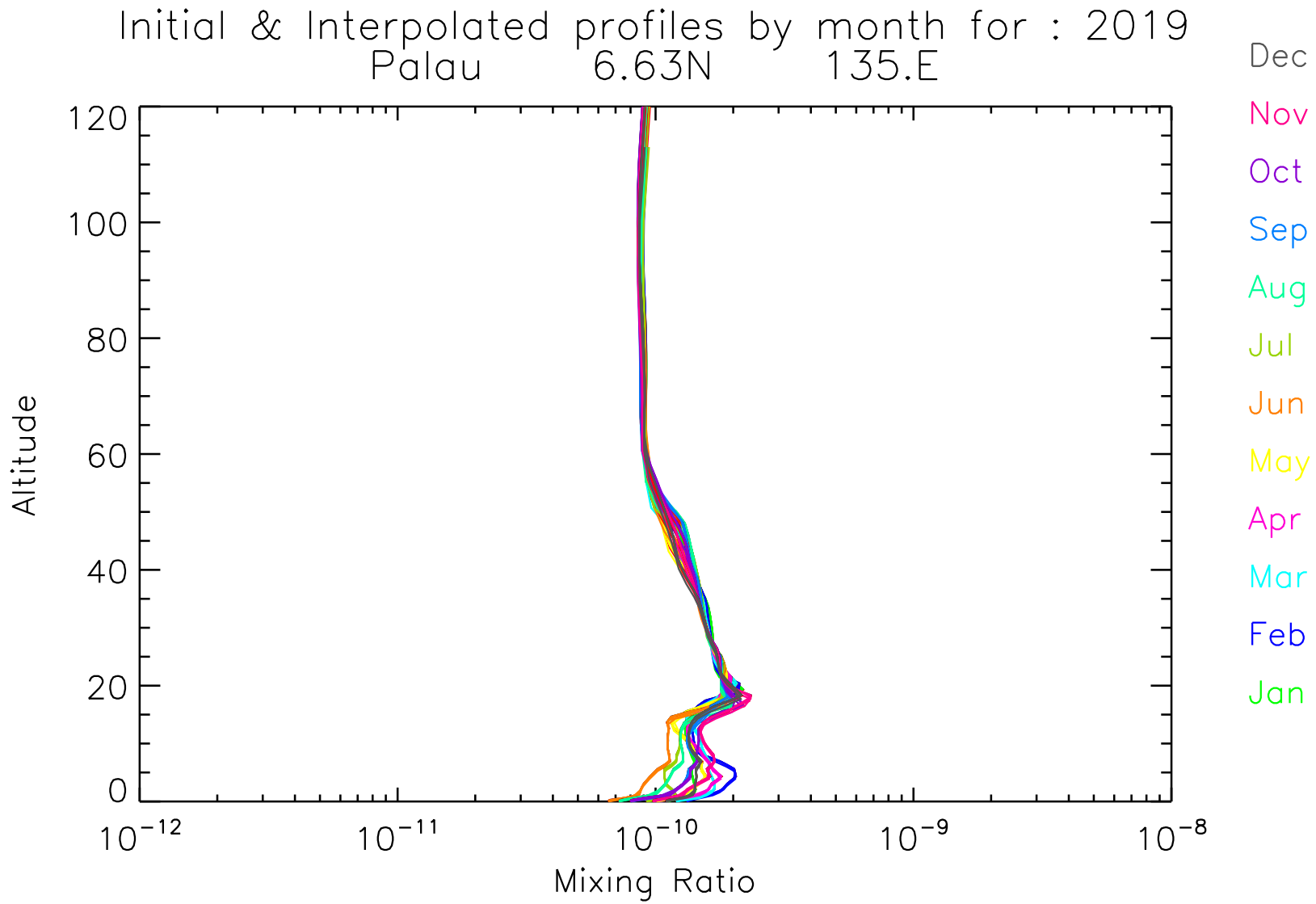

Initial & Interpolated profiles by month for : 2014
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

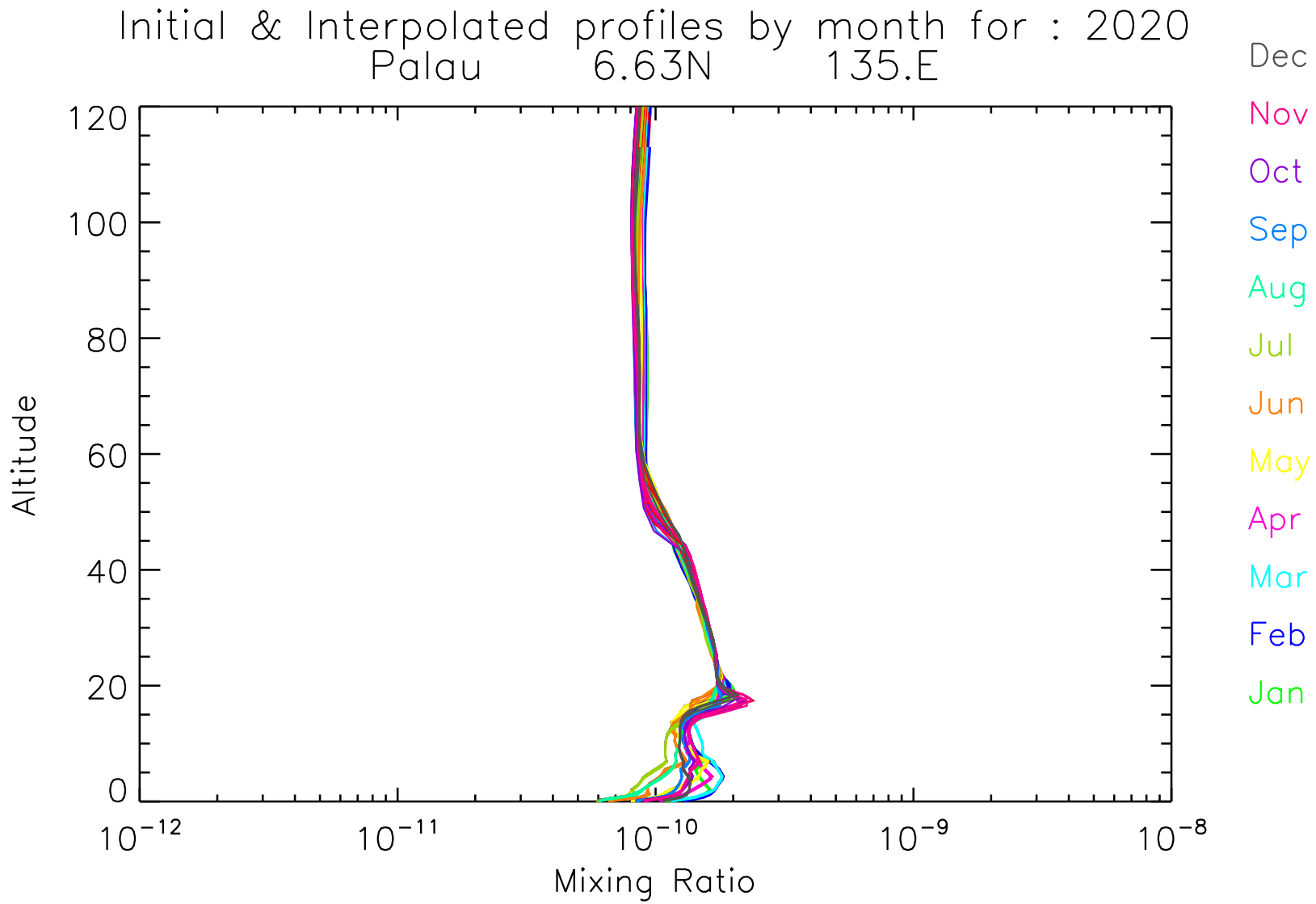

Initial & Interpolated profiles by month for : 2015
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

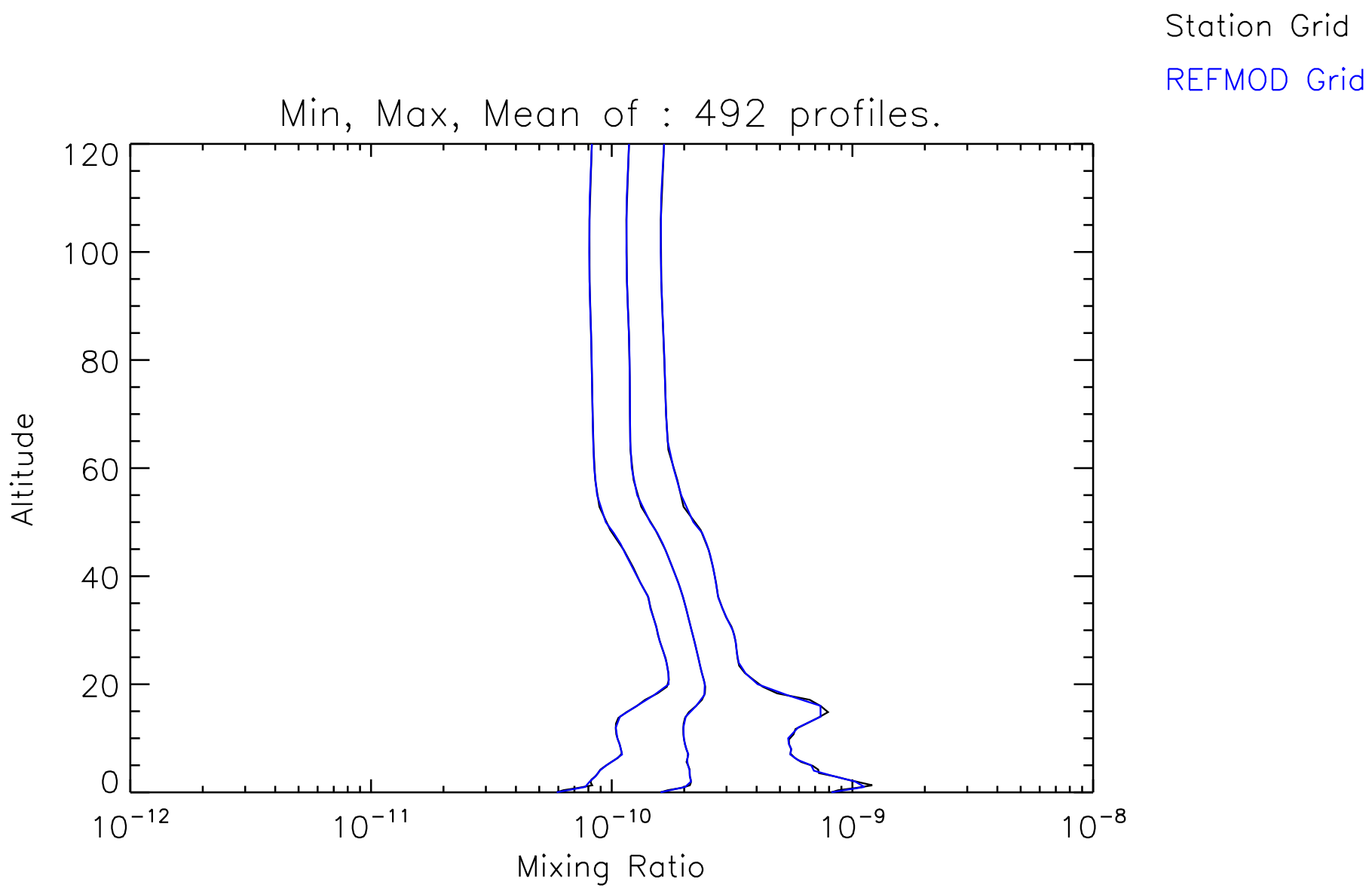

Initial & Interpolated profiles by month for : 2016
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

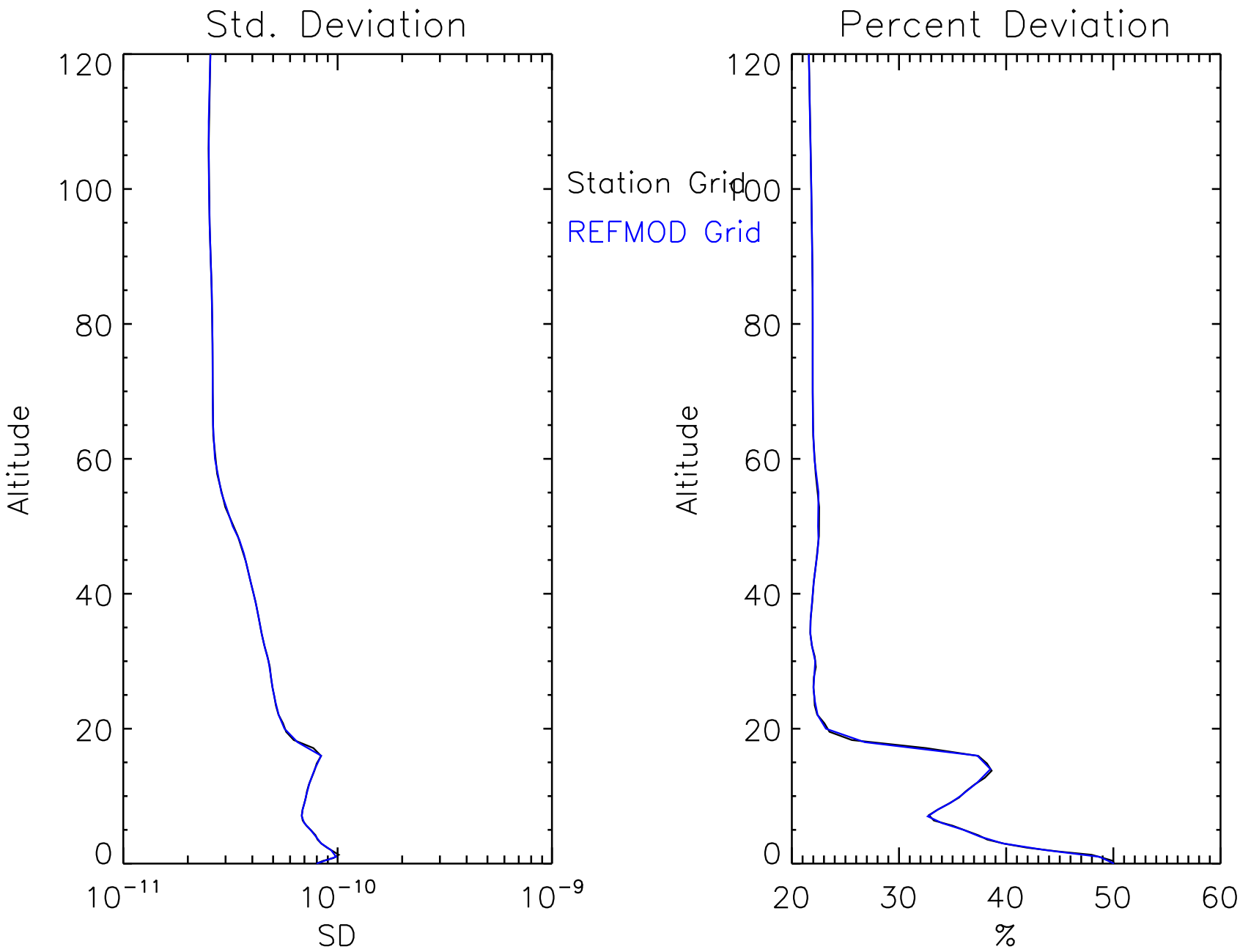

Initial & Interpolated profiles by month for : 2017
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

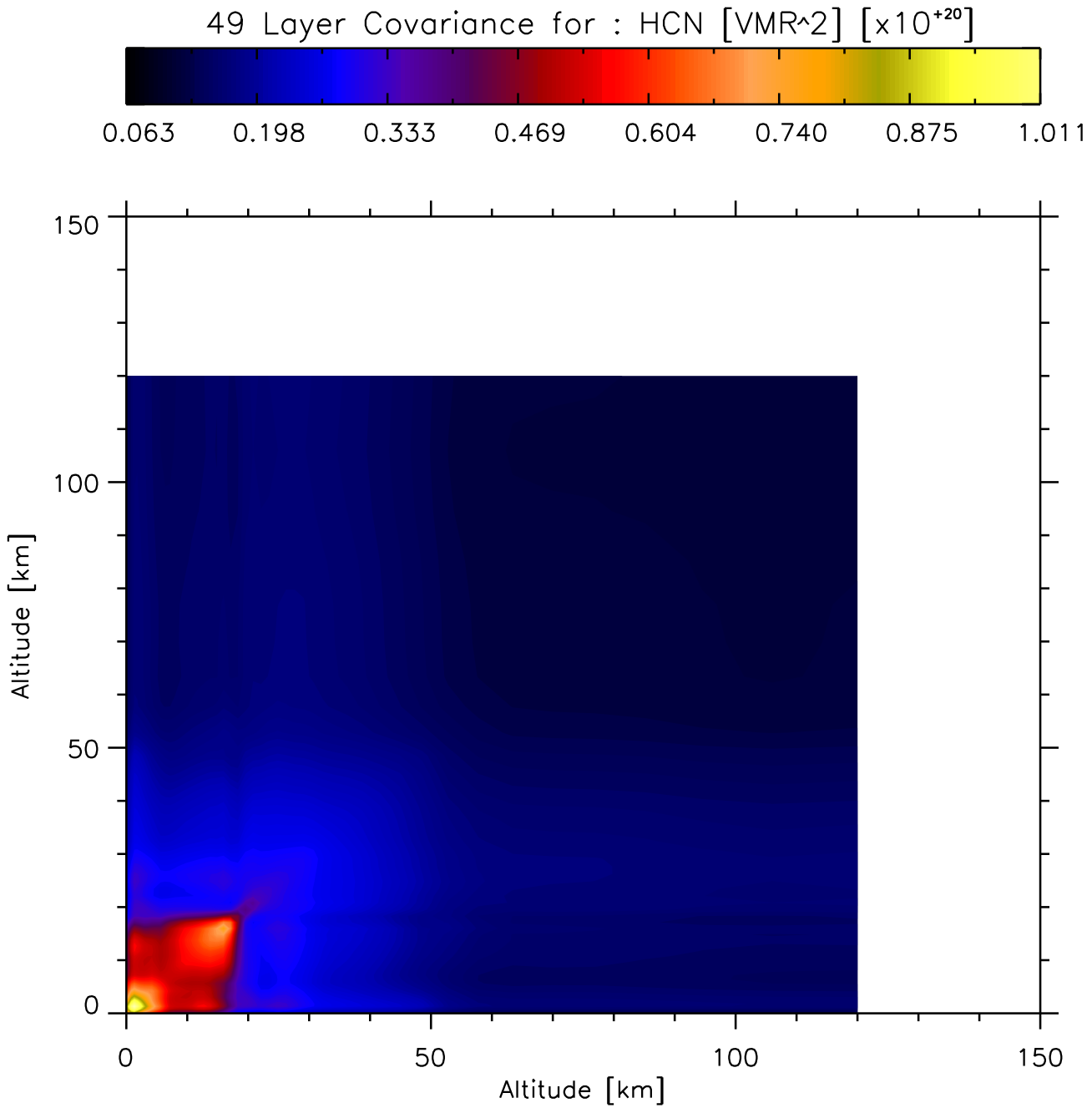

Initial & Interpolated profiles by month for : 2018
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

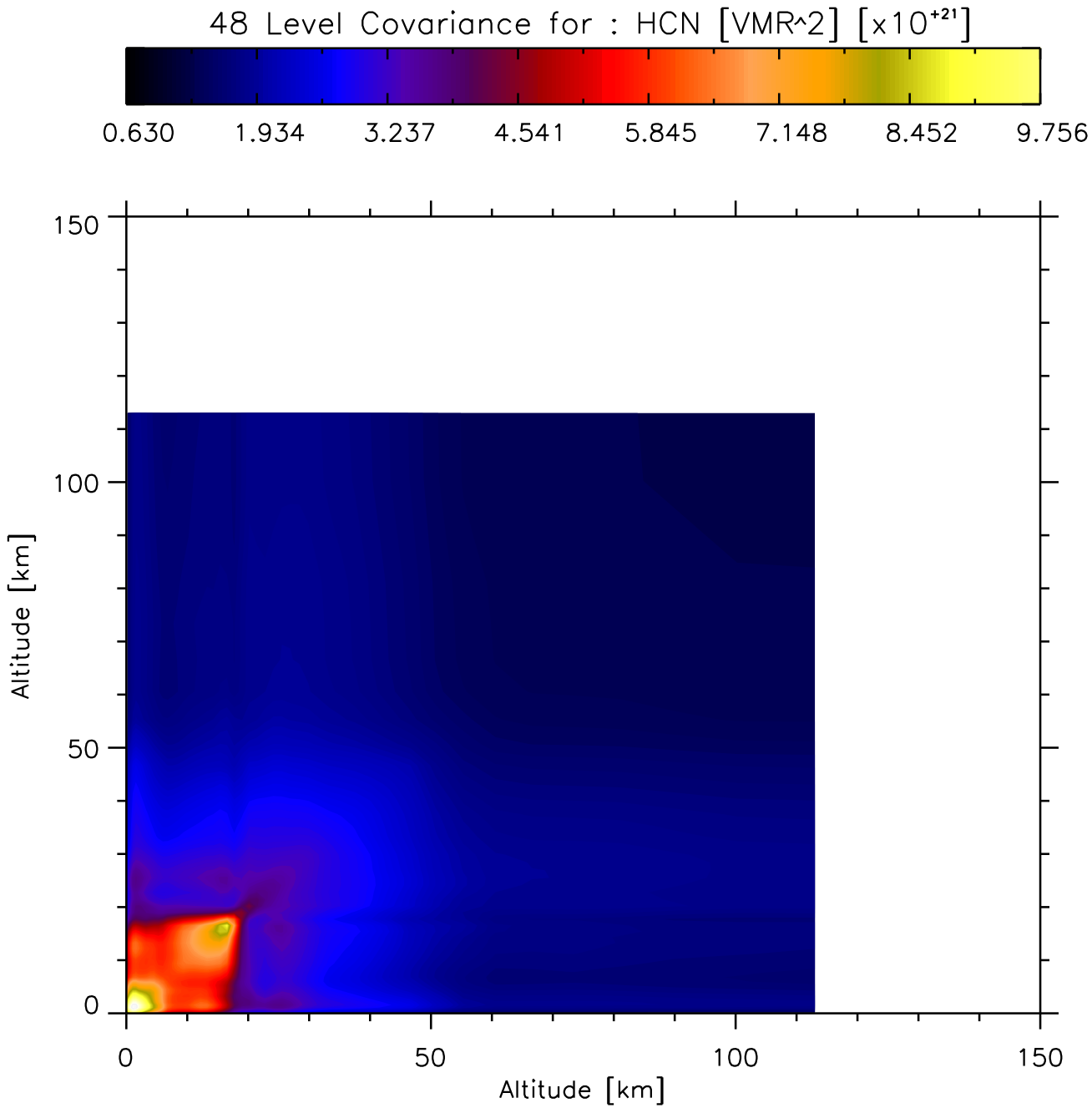

Initial & Interpolated profiles by month for : 2020
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

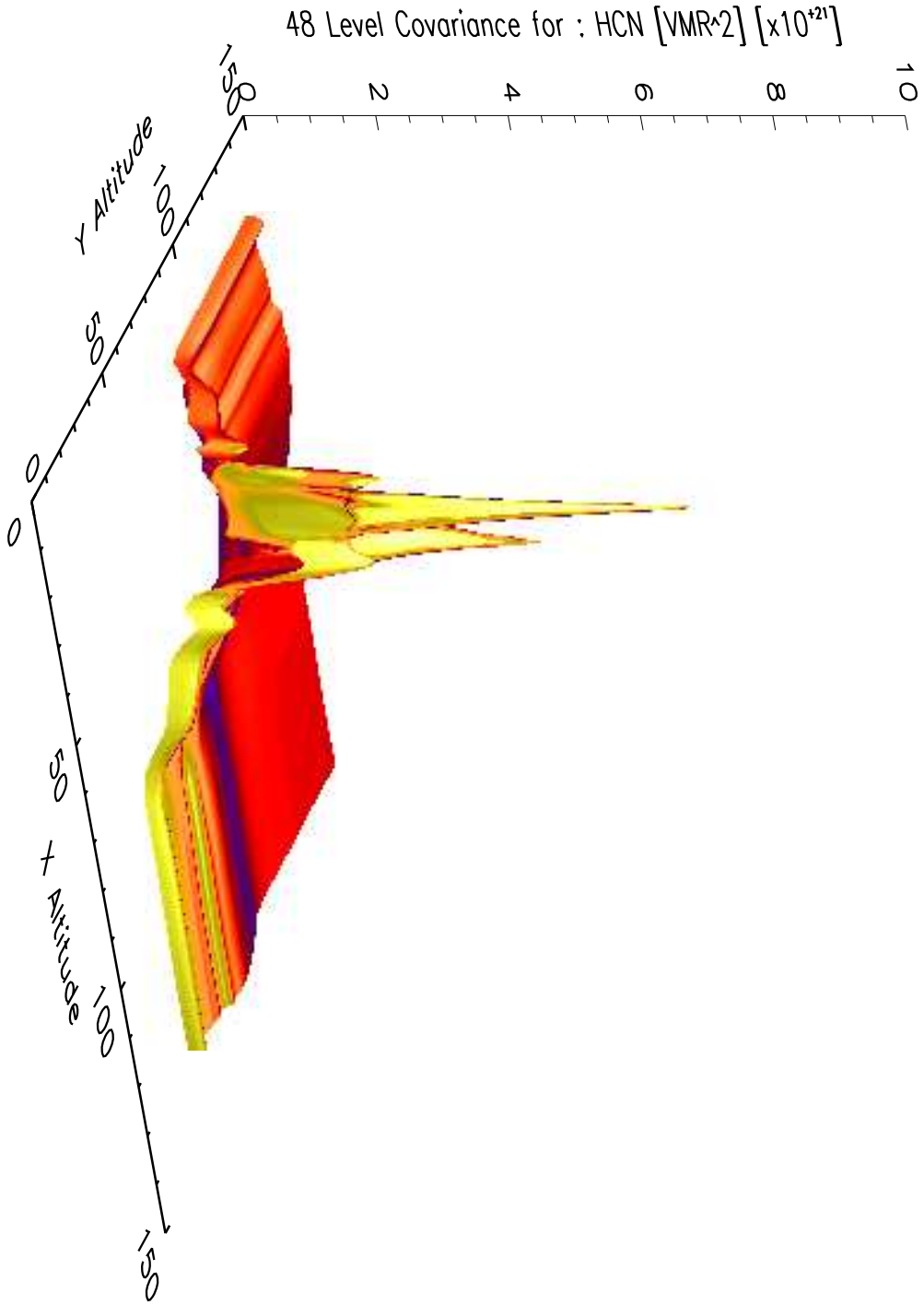

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-11}
10^{-10}
10^{-9}
SD
20
30
40
50
60
%


49 Layer Covariance for : HCN [VMR^2] [x10^+20]
0.063
0.198
0.333
0.469
0.604
0.740
0.875
1.011
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : HCN [VMR^2] [x10^-20]
Y Altitude
X Altitude
0
30
60
90
0
50
100
150
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0


48 Level Covariance for : HCN [VMR^2] [x10^+21]
0.630
1.934
3.237
4.541
5.845
7.148
8.452
9.756
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : HCN [VMR^2] [x10^+21]
150
2
4
6
8
10
Y Altitude
100
50
0
0
50
X Altitude
100
150