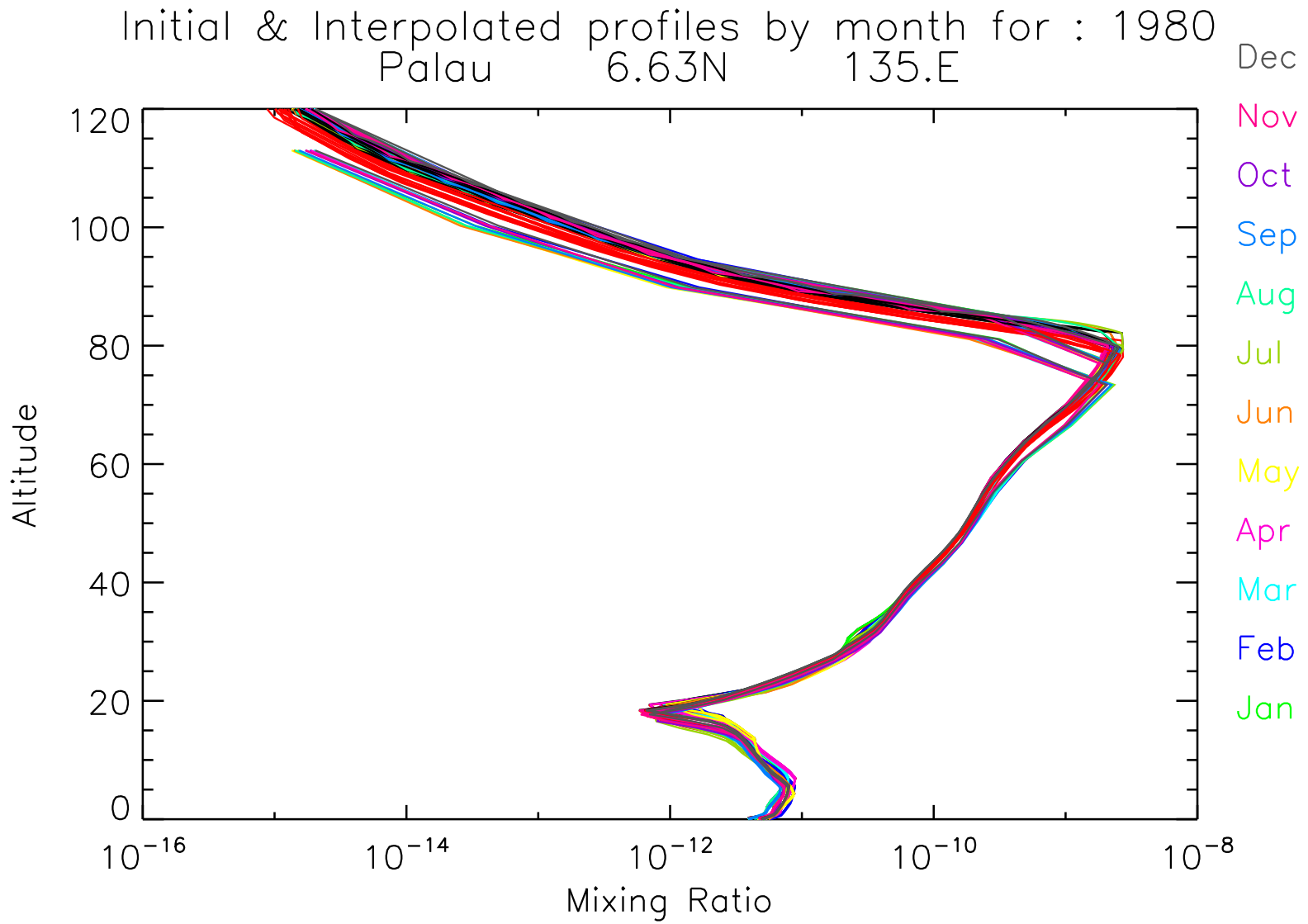
Initial & Interpolated profiles by month for : 1980
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Dec
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120
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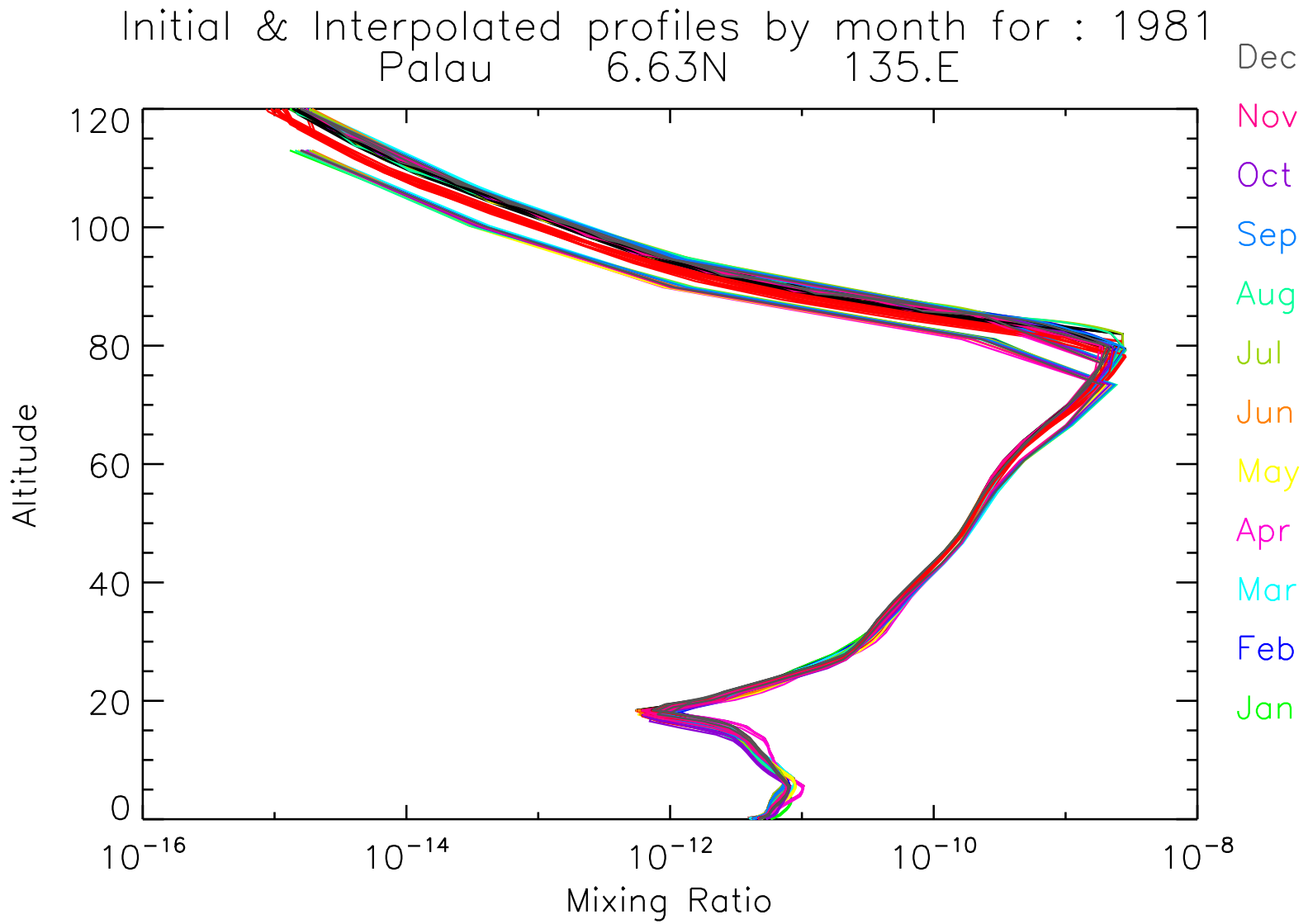
10^{-10}
10^{-8}
Mixing Ratio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Altitude
120
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10^{-16}
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Mixing Ratio
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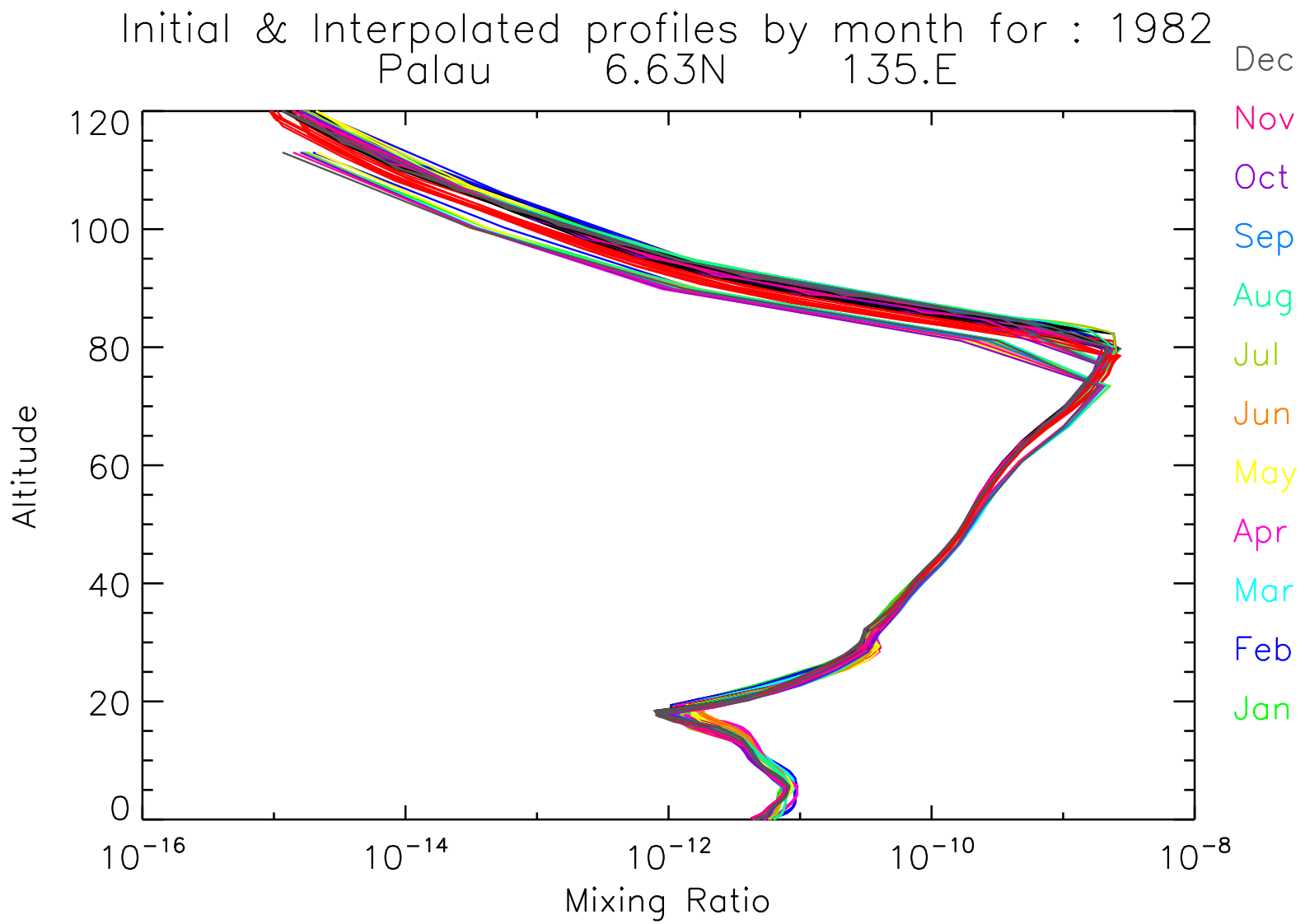
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Altitude
120
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0
10^{-16}
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Mixing Ratio
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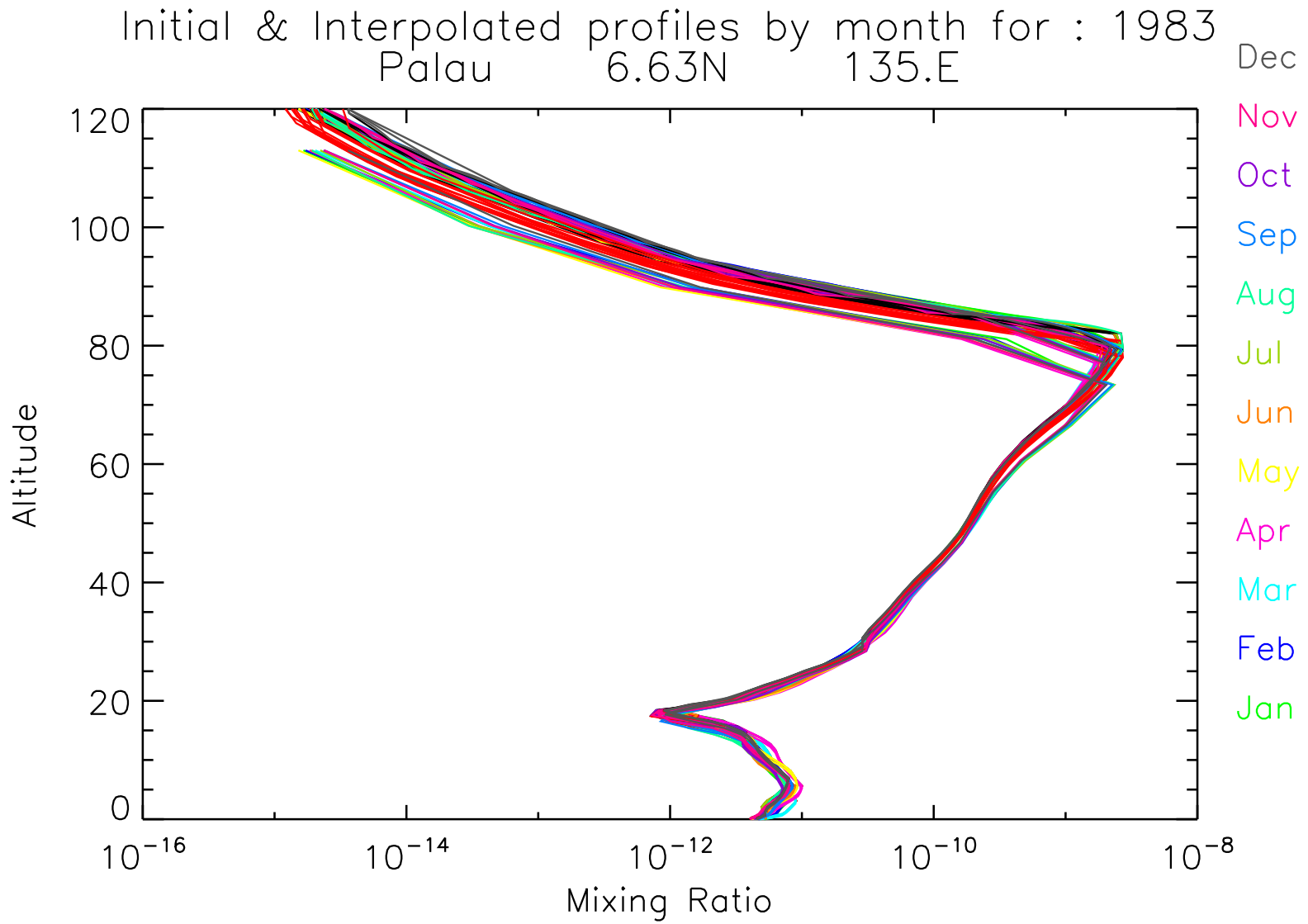
Initial & Interpolated profiles by month for : 1983
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Altitude
120
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Mixing Ratio
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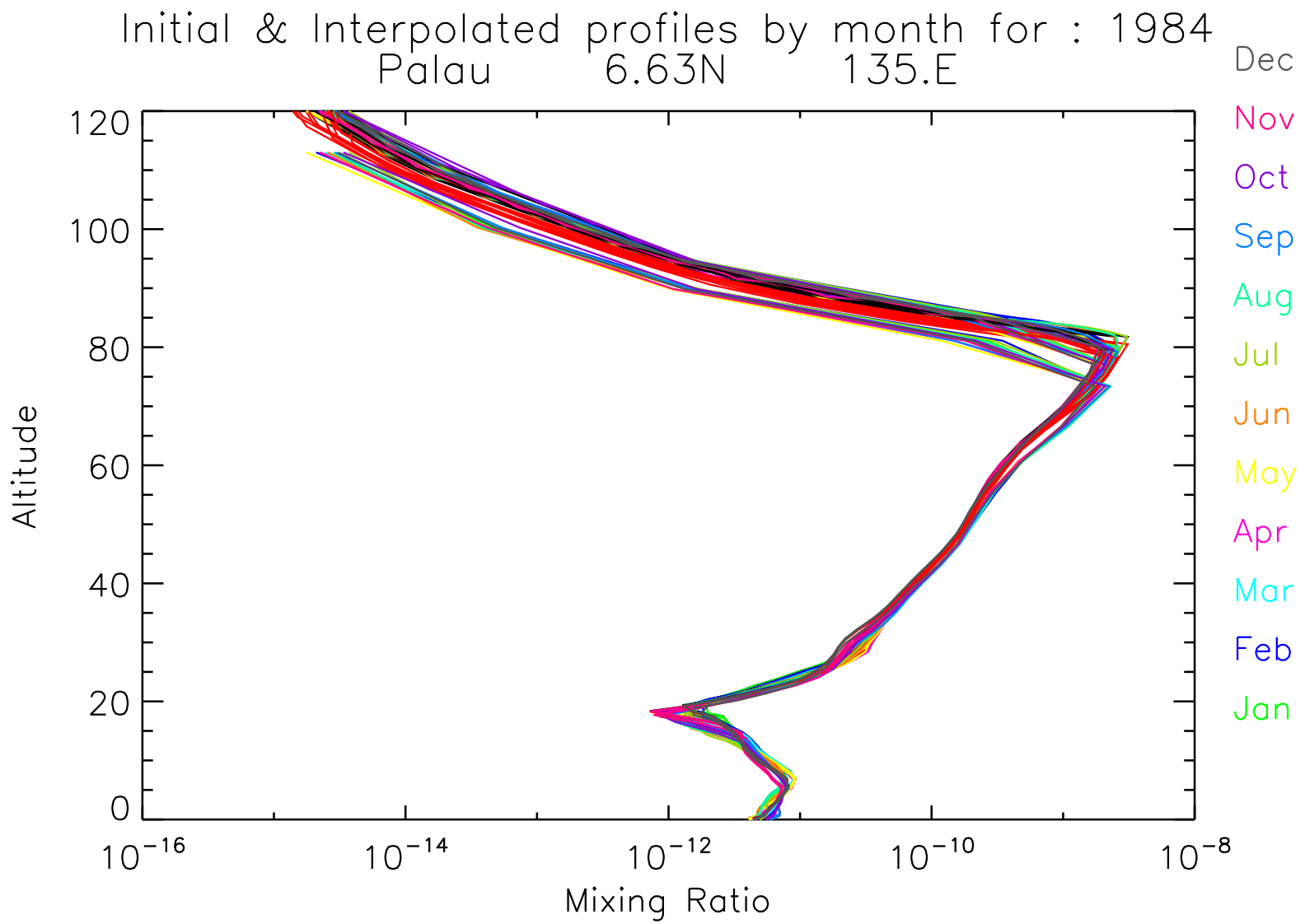
Initial & Interpolated profiles by month for : 1984
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Altitude
120
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10^{-16}
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Mixing Ratio
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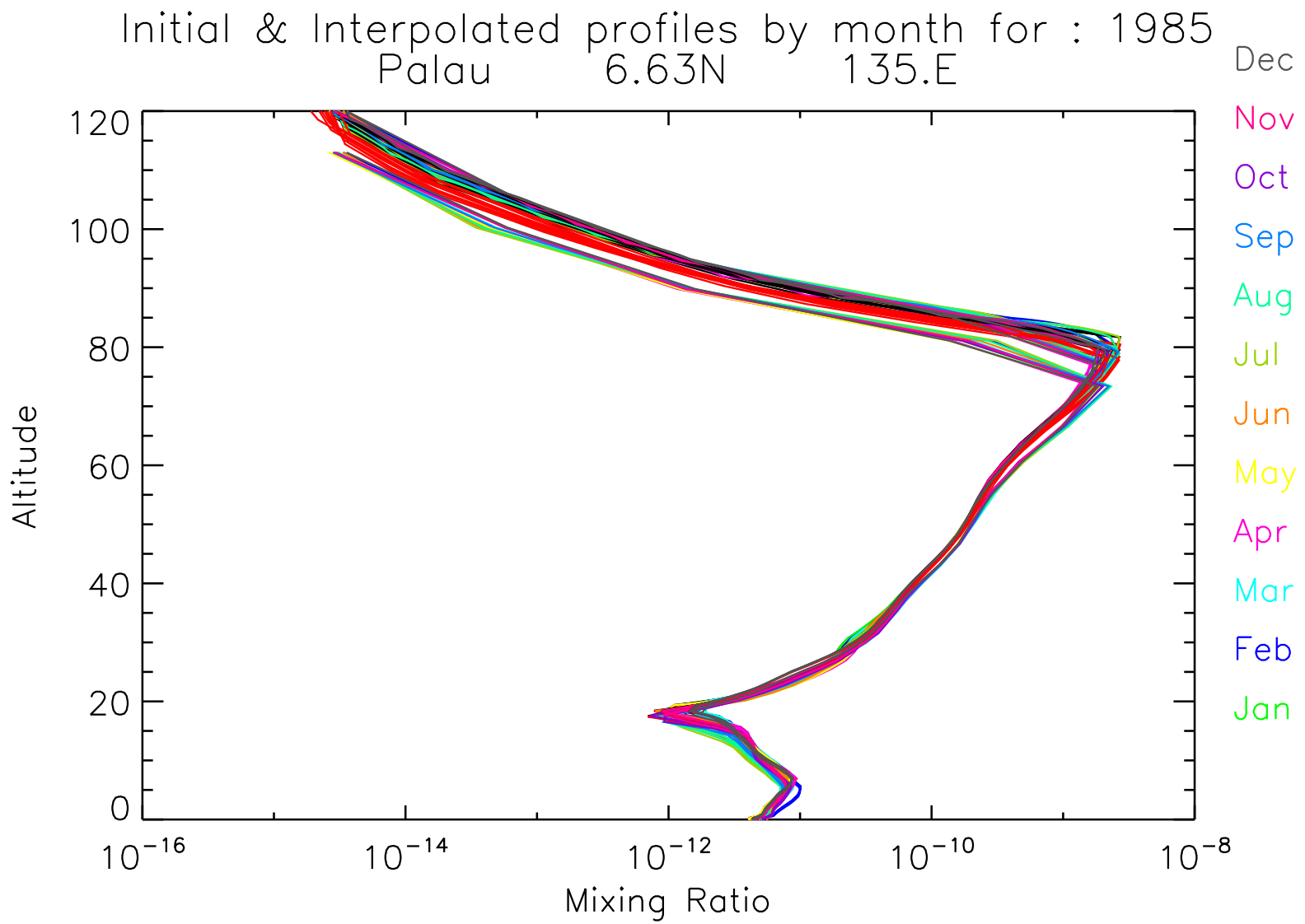
Initial & Interpolated profiles by month for : 1985
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Altitude
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10^{-16}
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Mixing Ratio
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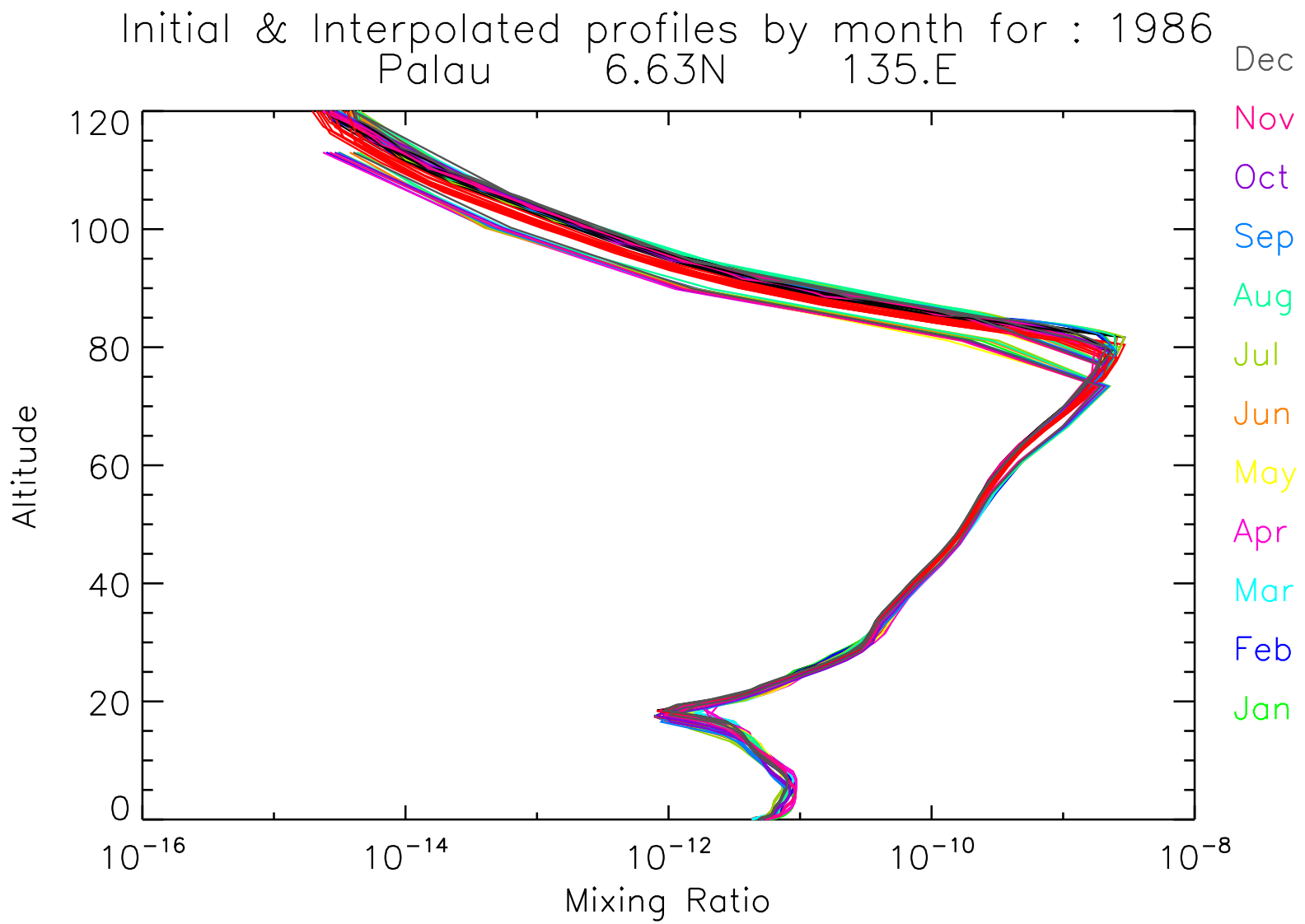
Initial & Interpolated profiles by month for : 1986
Palau 6.63N 135.E
Altitude
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10^{-16}
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Mixing Ratio
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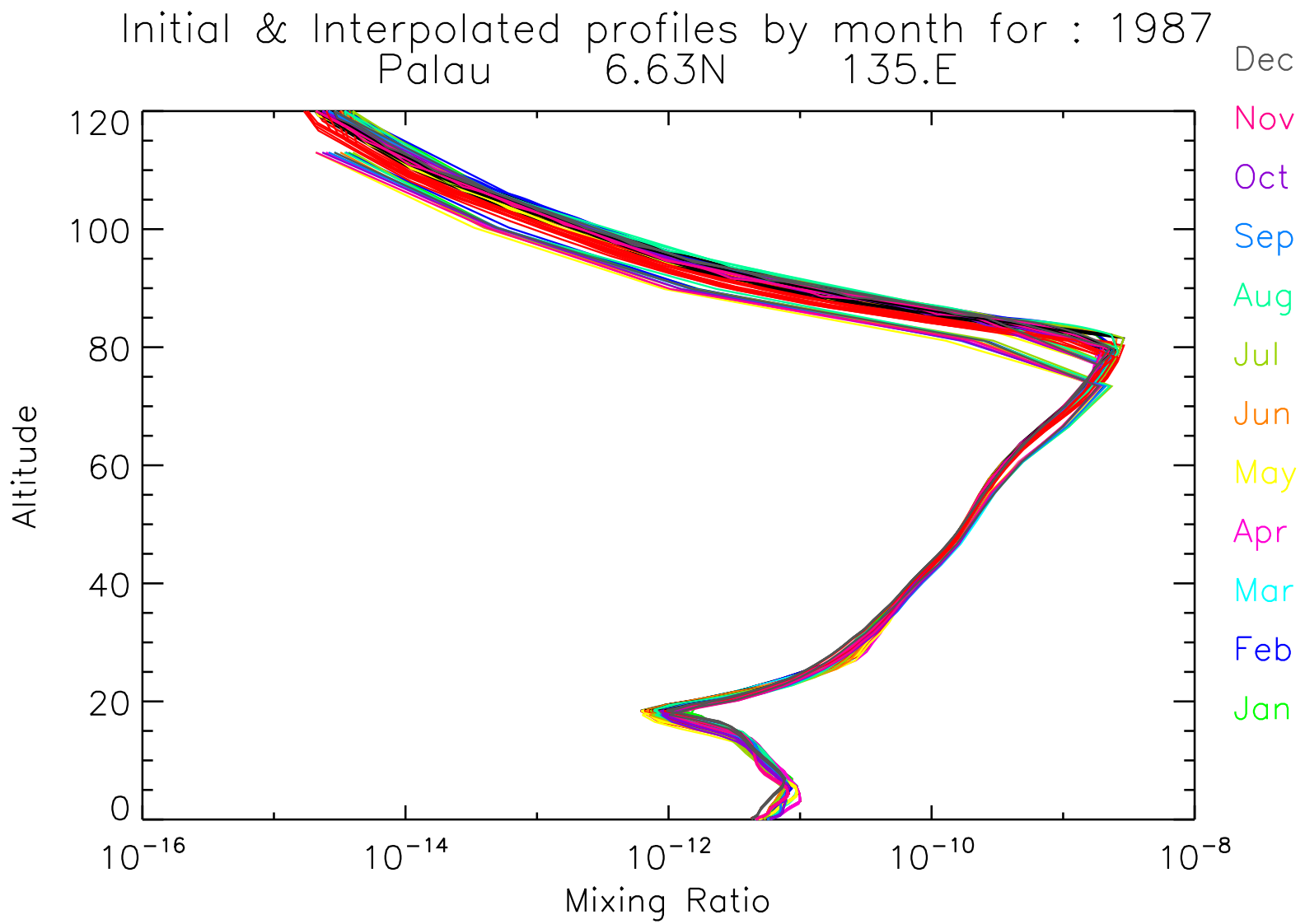
Initial & Interpolated profiles by month for : 1987
Palau 6.63N 135.E
Altitude
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10^{-16}
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Mixing Ratio
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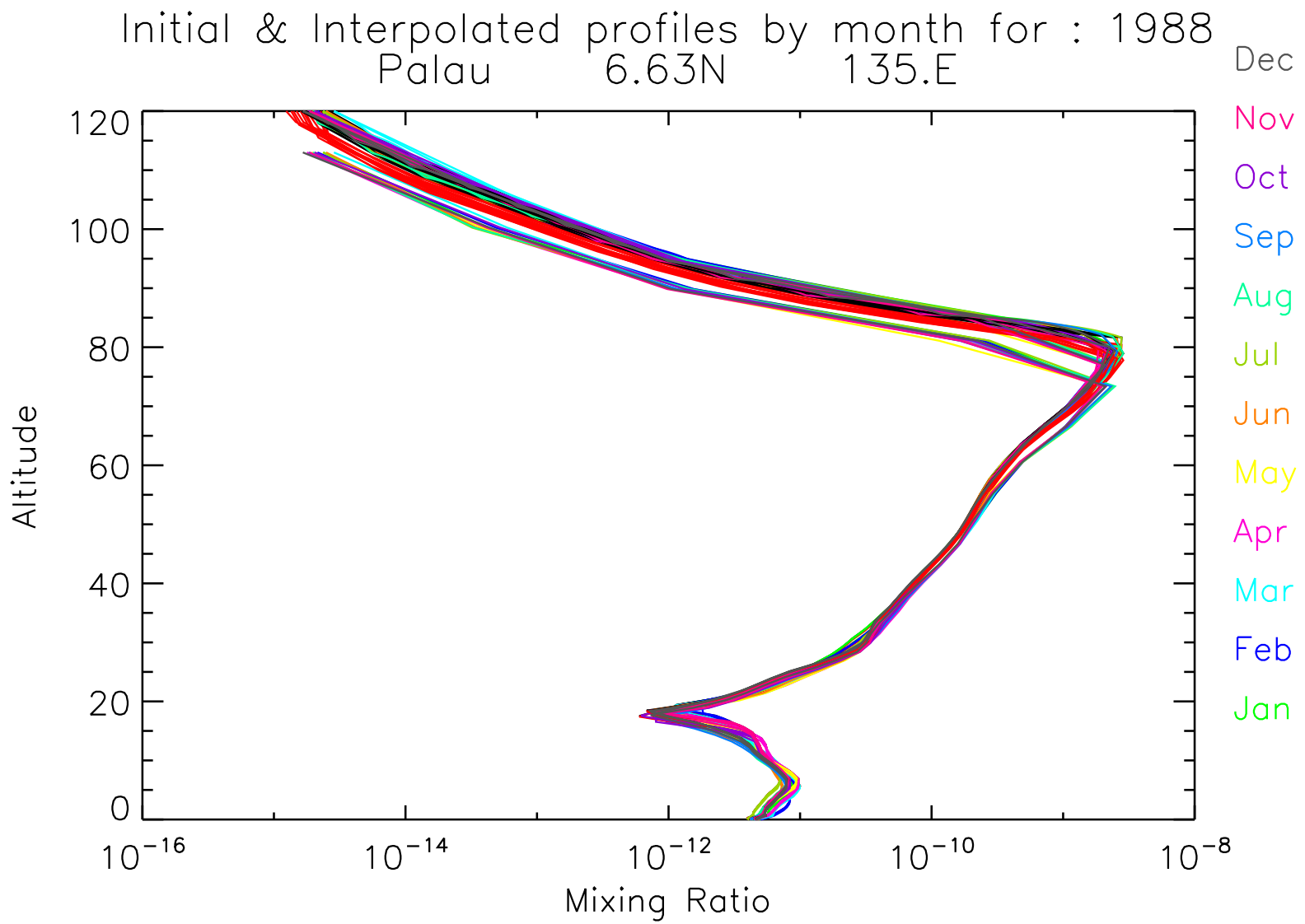
Initial & Interpolated profiles by month for : 1988
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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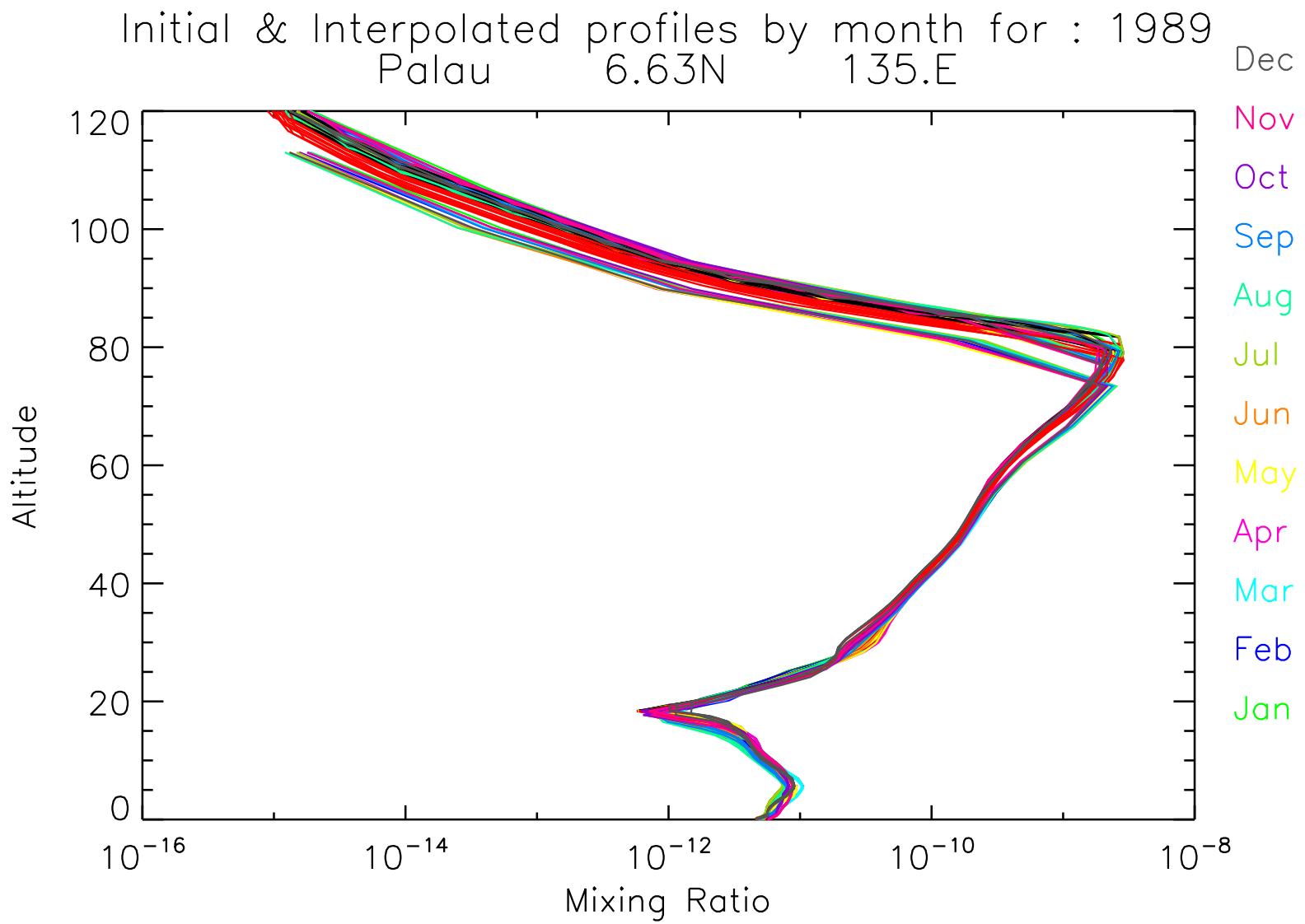
Initial & Interpolated profiles by month for : 1989
Palau 6.63N 135.E
Altitude
120
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Mixing Ratio
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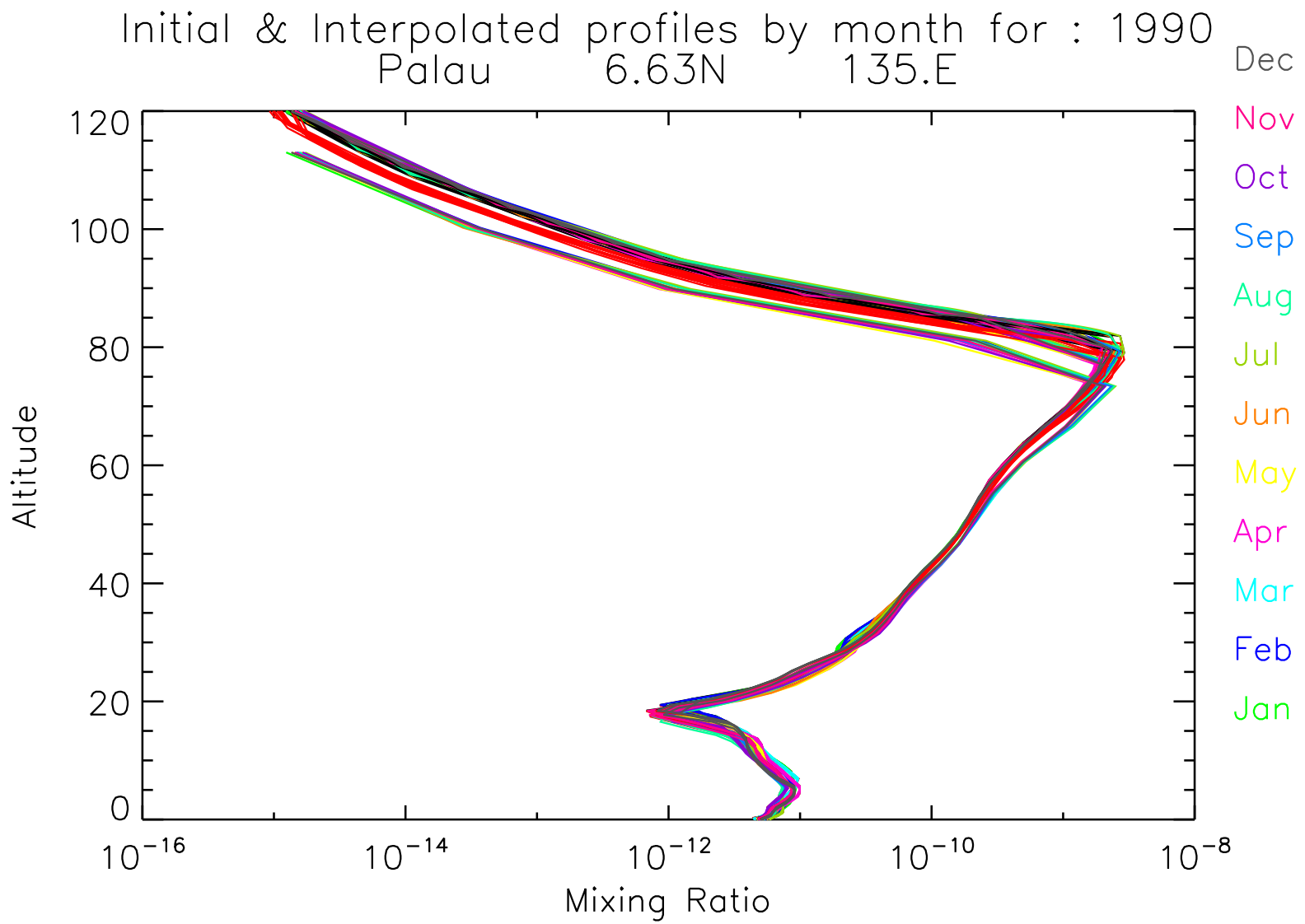
Initial & Interpolated profiles by month for : 1990
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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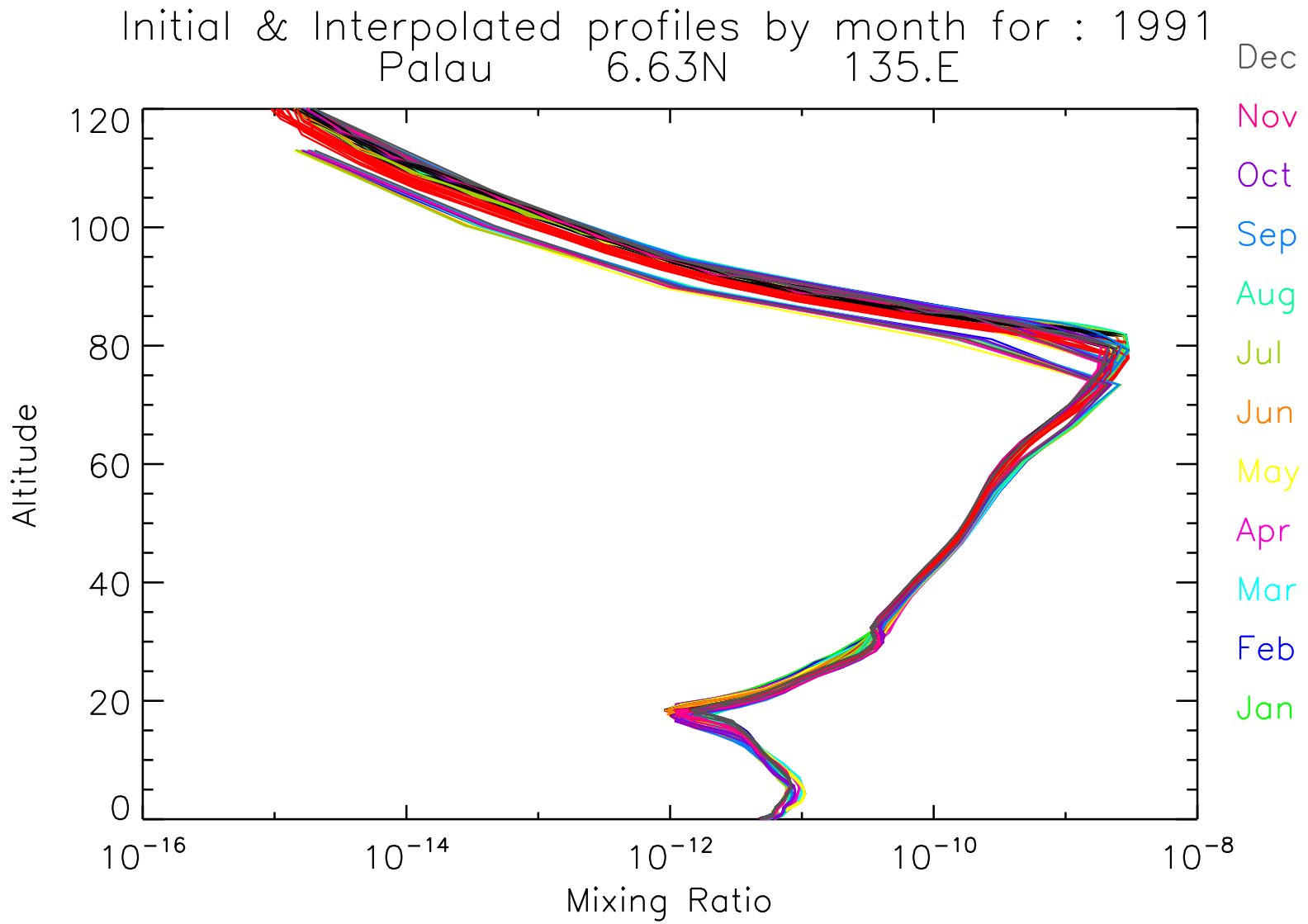
Initial & Interpolated profiles by month for : 1991
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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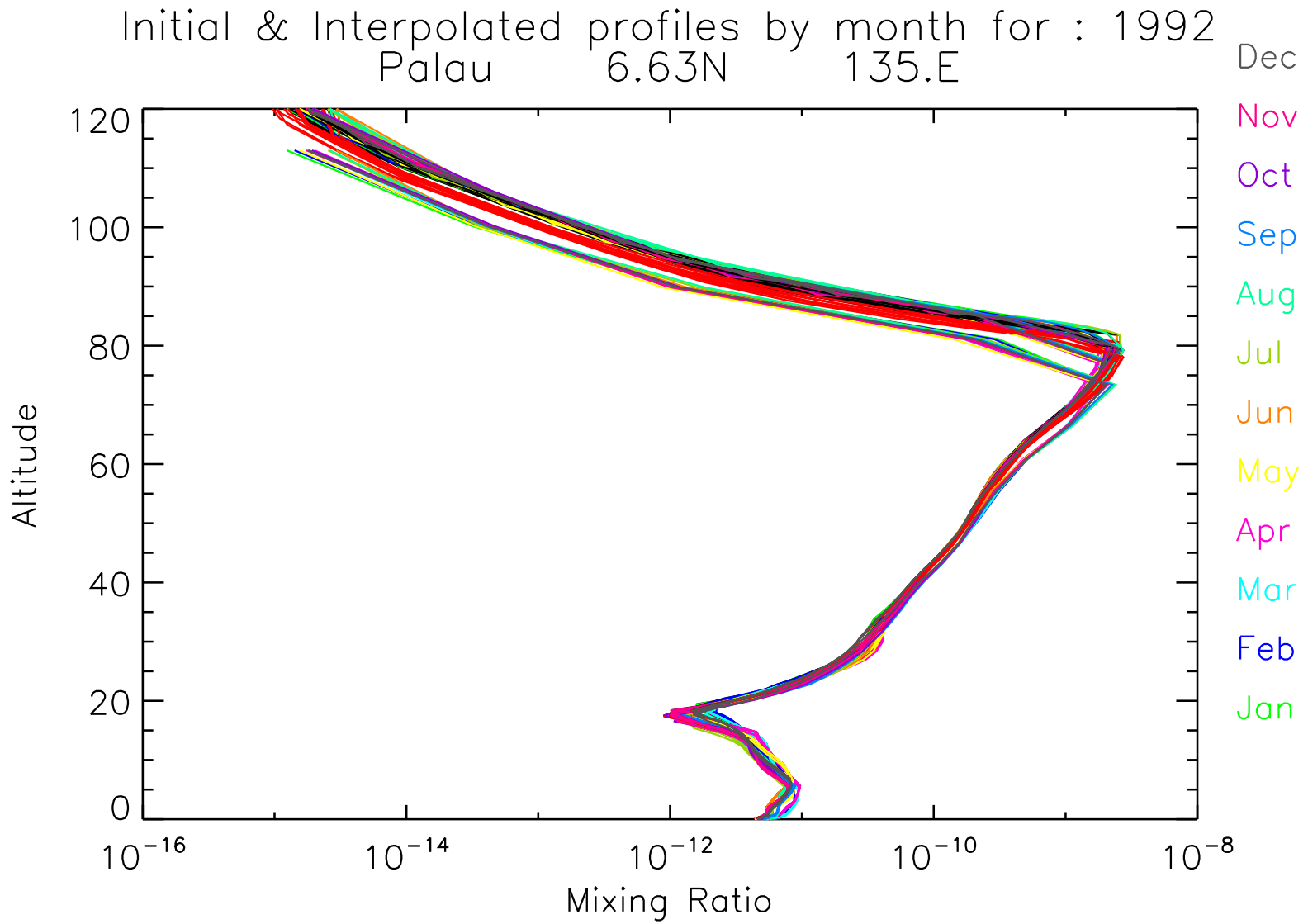
Initial & Interpolated profiles by month for : 1992
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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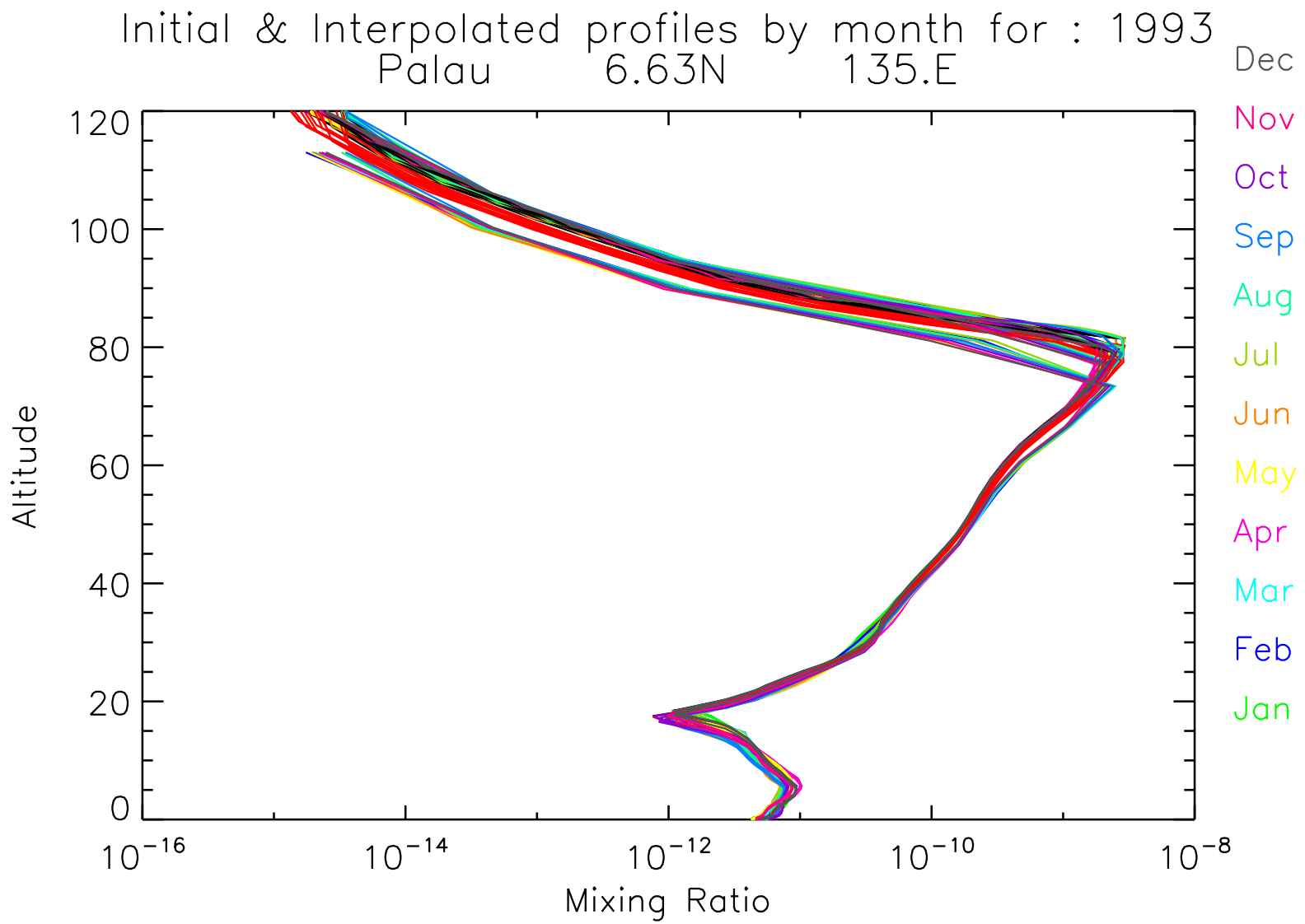
Initial & Interpolated profiles by month for : 1993
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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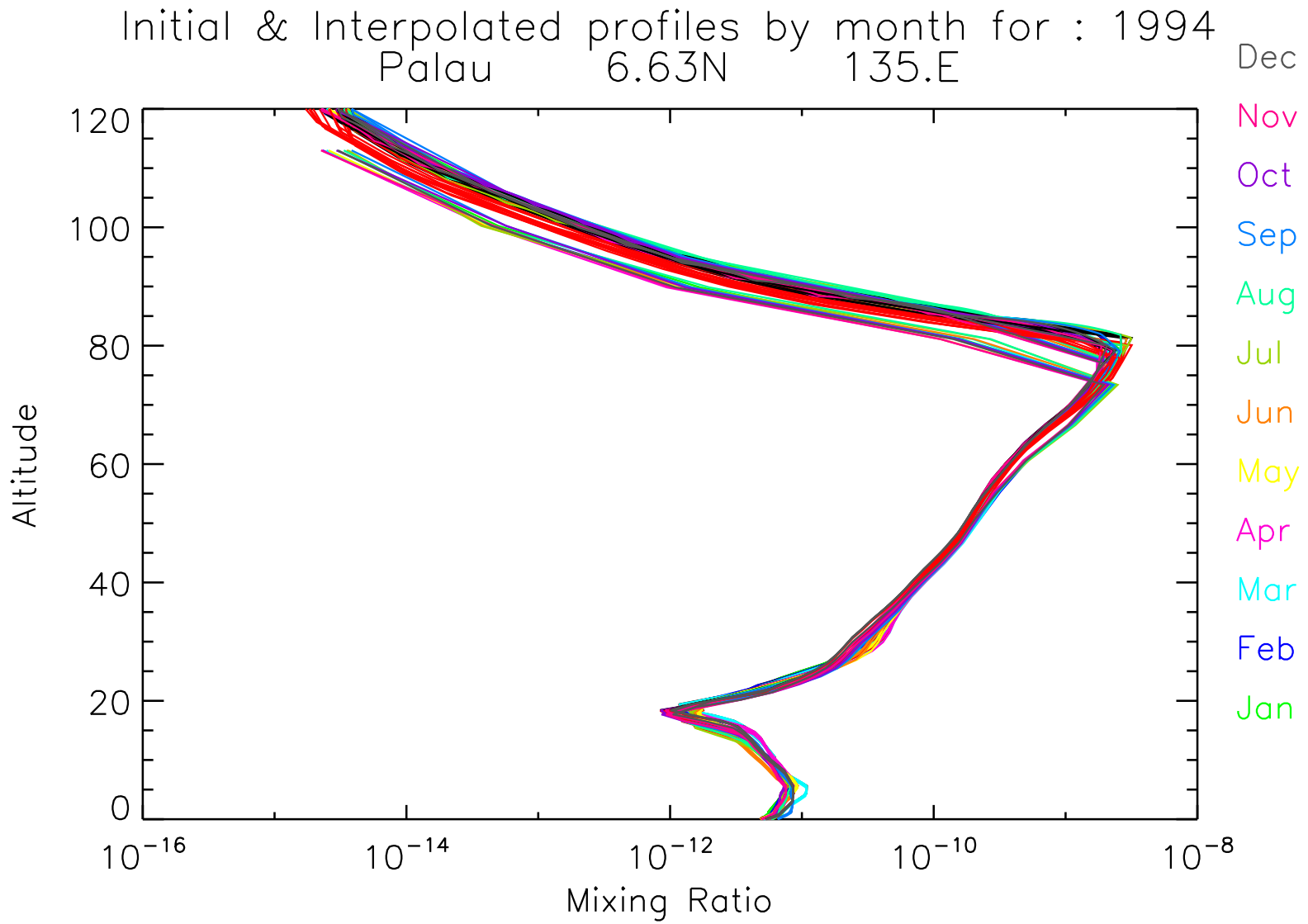
Initial & Interpolated profiles by month for : 1994
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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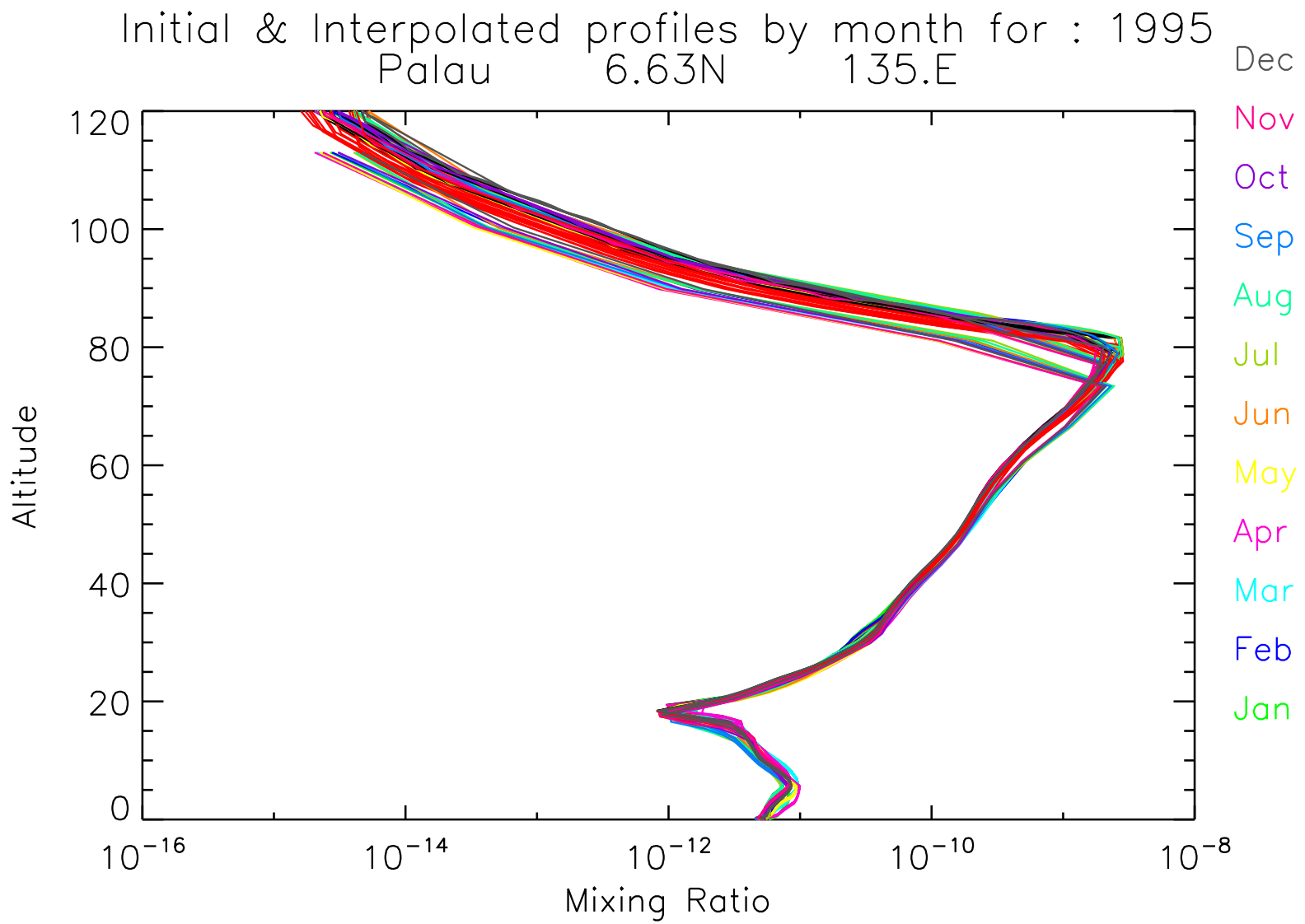
Initial & Interpolated profiles by month for : 1995
Palau 6.63N 135.E
Altitude
120
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10^{-16}
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Mixing Ratio
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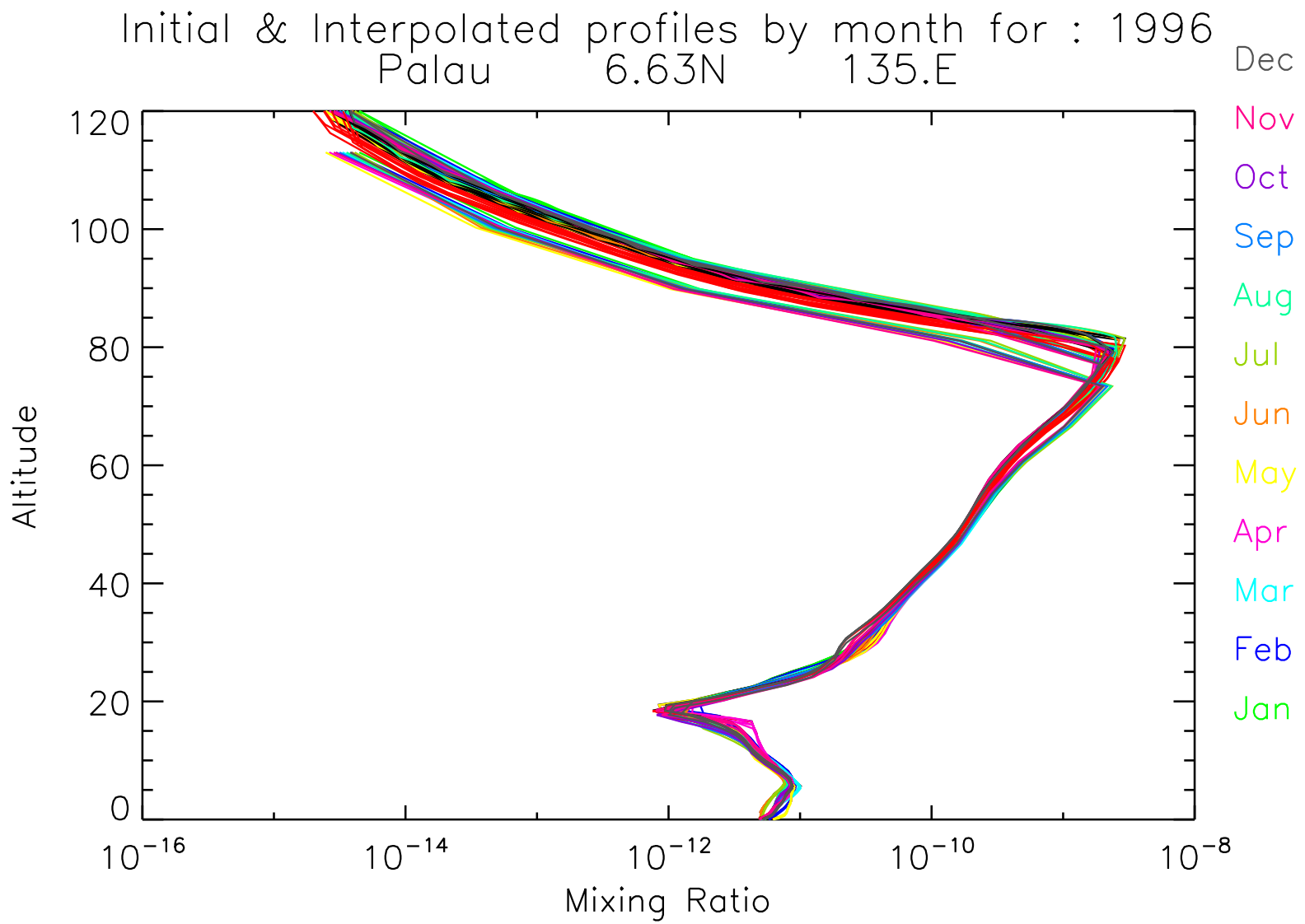
Initial & Interpolated profiles by month for : 1996
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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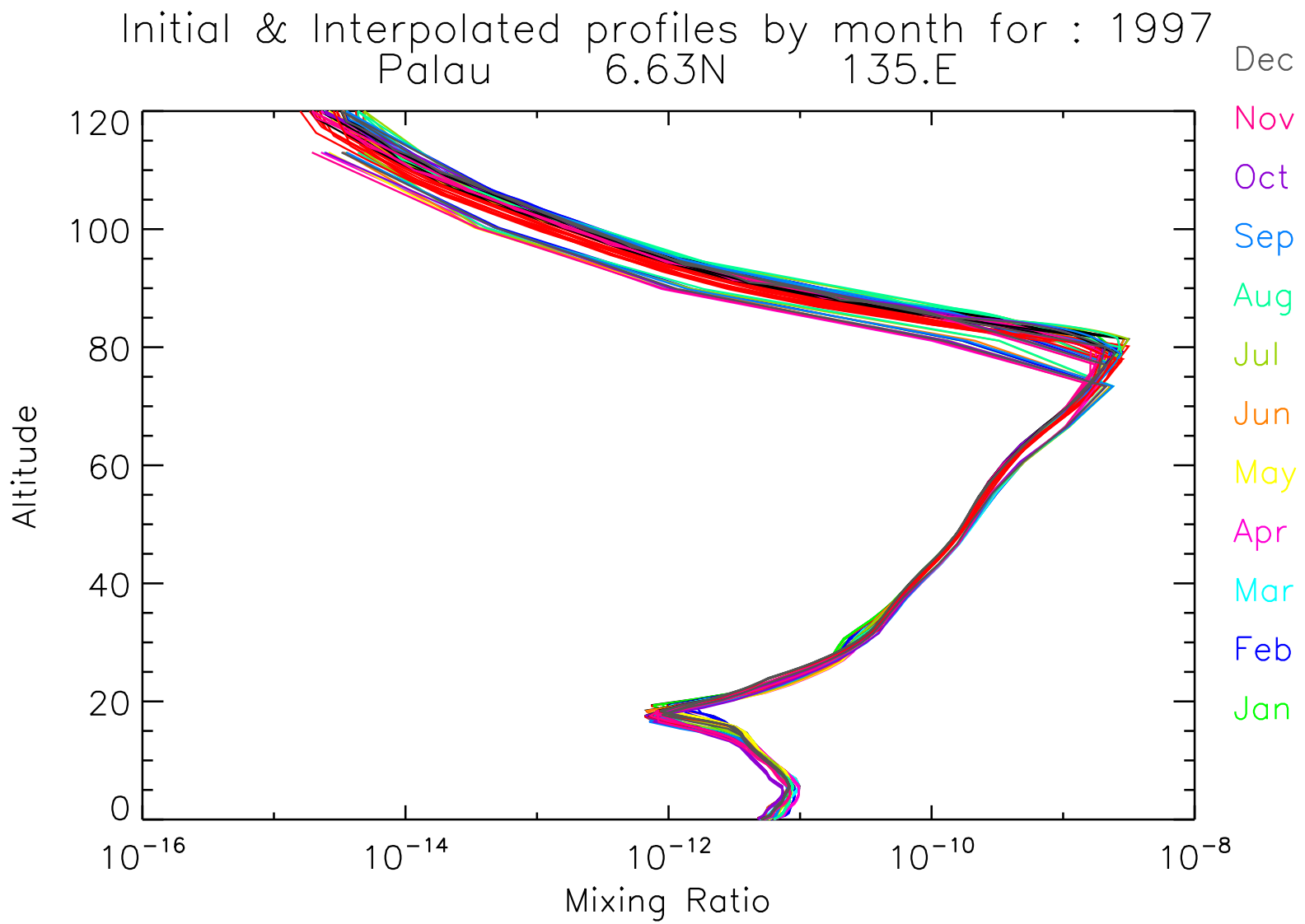
Initial & Interpolated profiles by month for : 1997
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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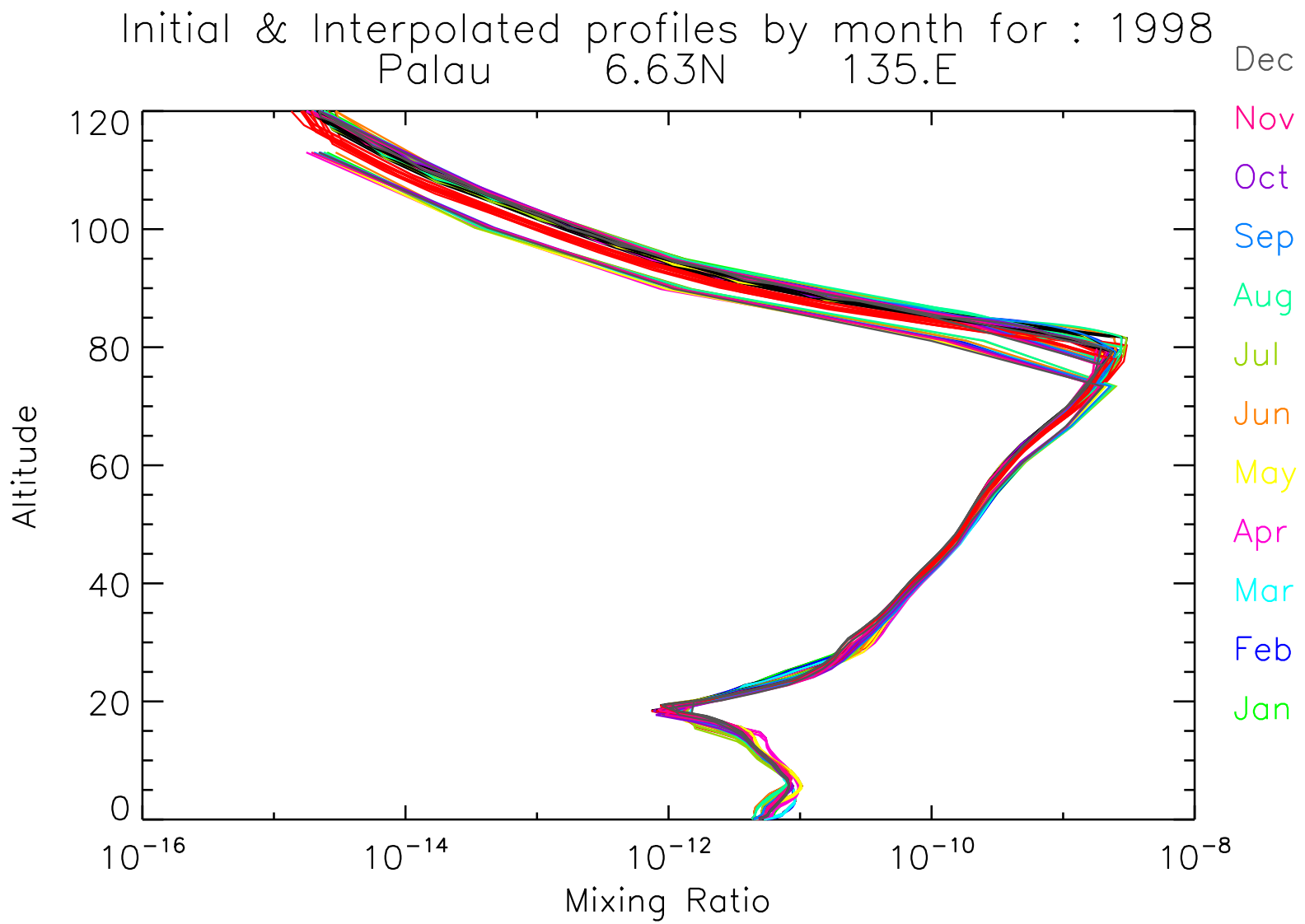
Initial & Interpolated profiles by month for : 1998
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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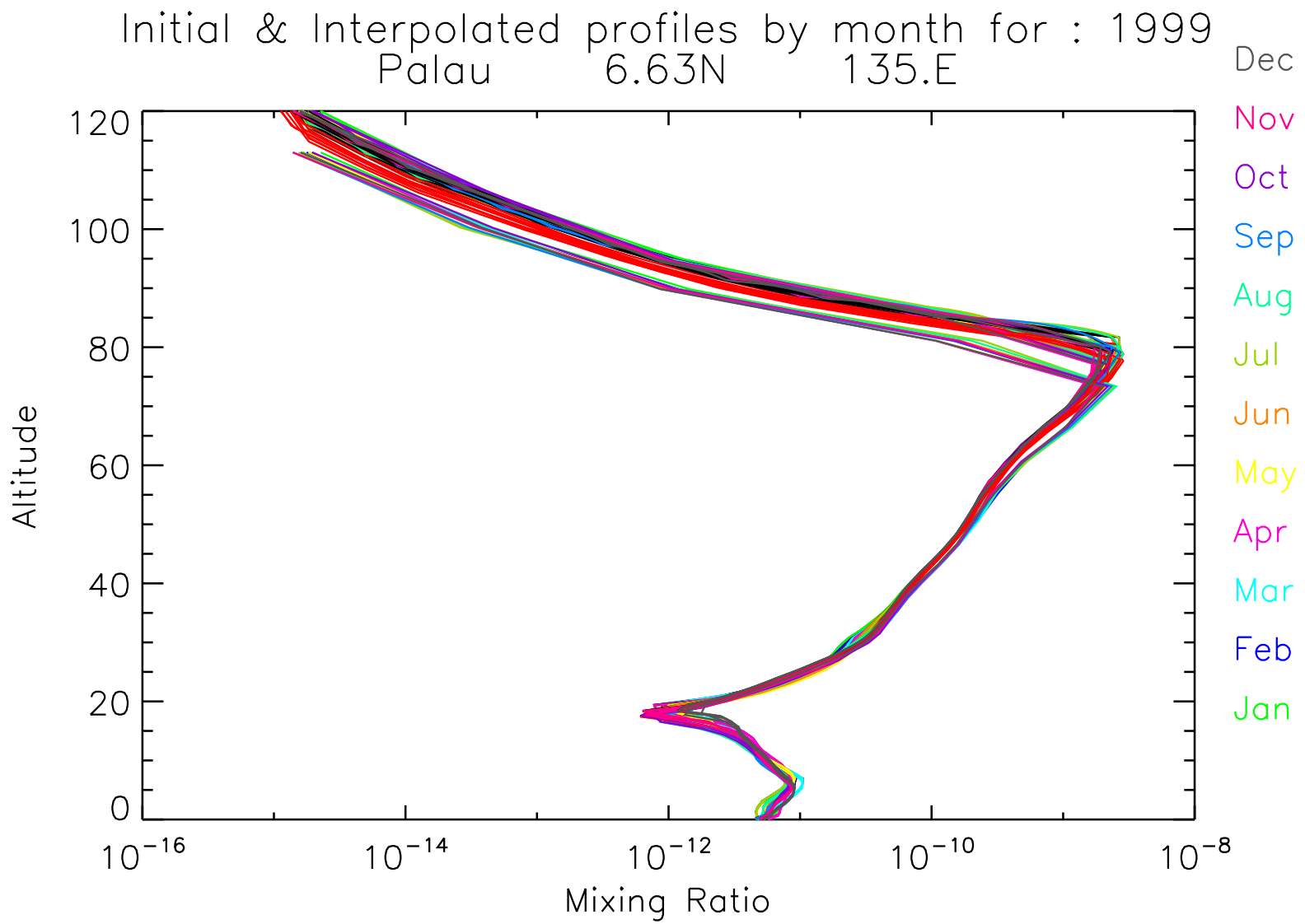
Initial & Interpolated profiles by month for : 1999
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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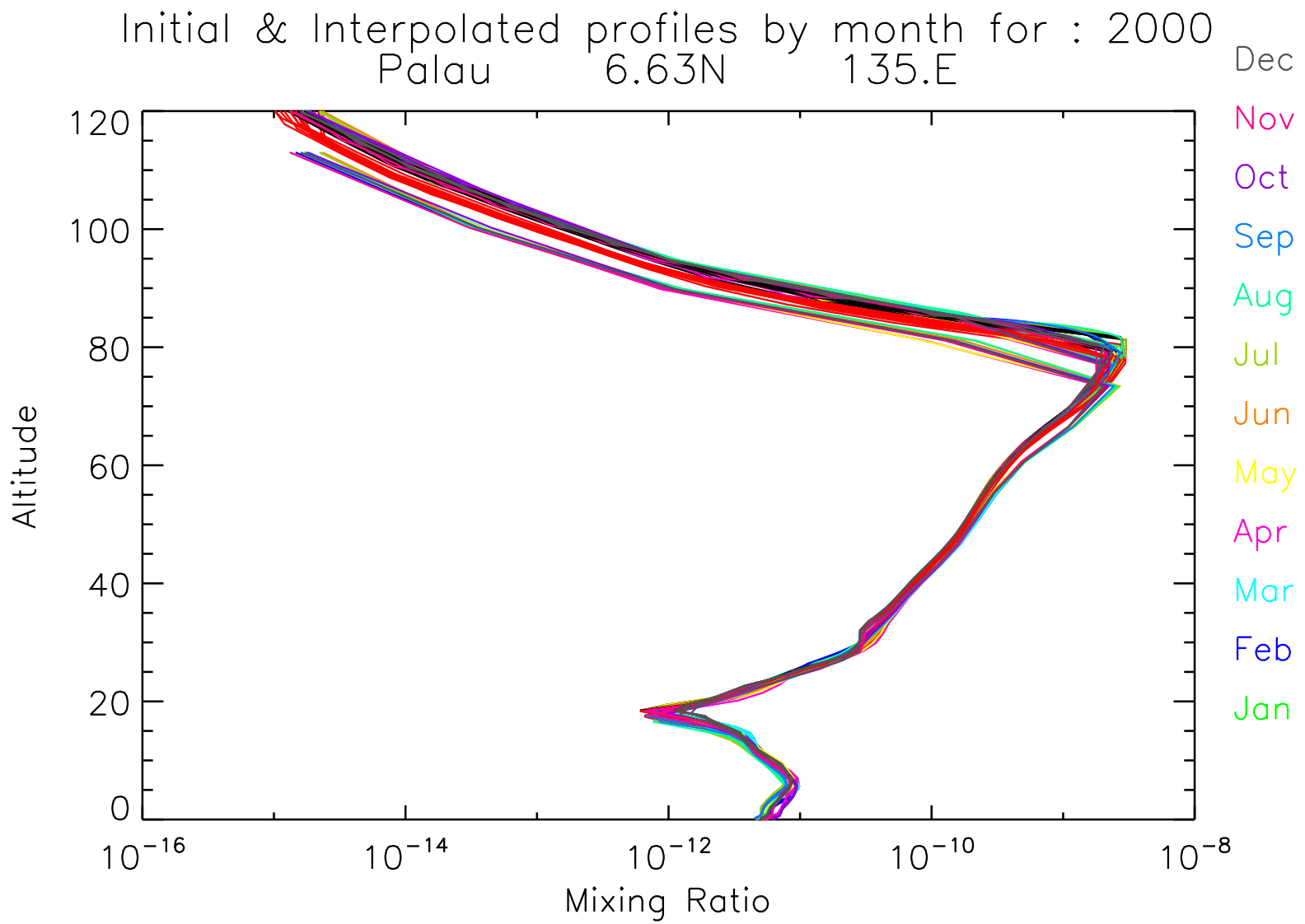
Initial & Interpolated profiles by month for : 2000
Palau 6.63N 135.E
Dec
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Jan
Altitude
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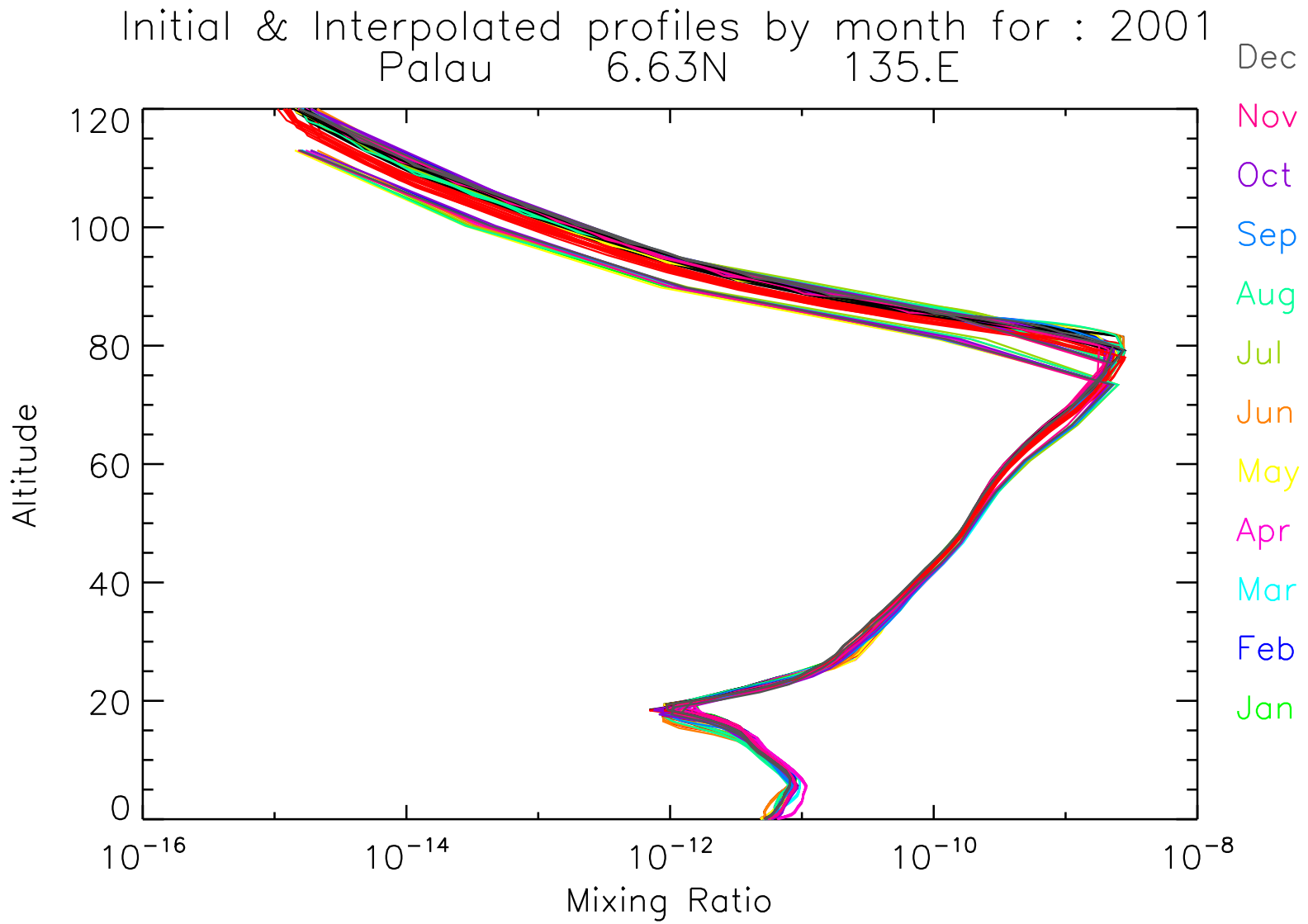
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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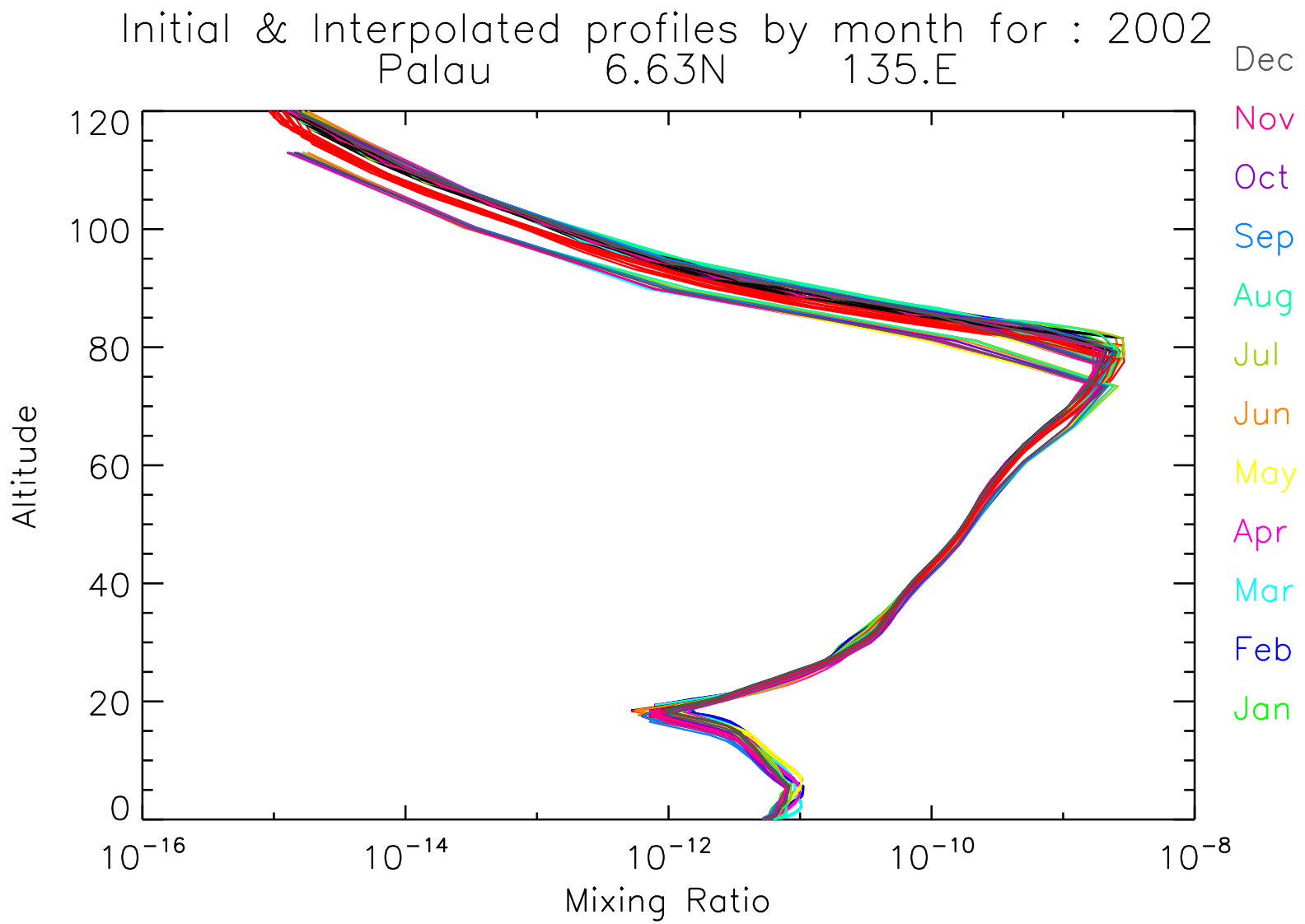
Initial & Interpolated profiles by month for : 2002
Palau 6.63N 135.E
Altitude
120
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10^{-16}
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10^{-8}
Mixing Ratio
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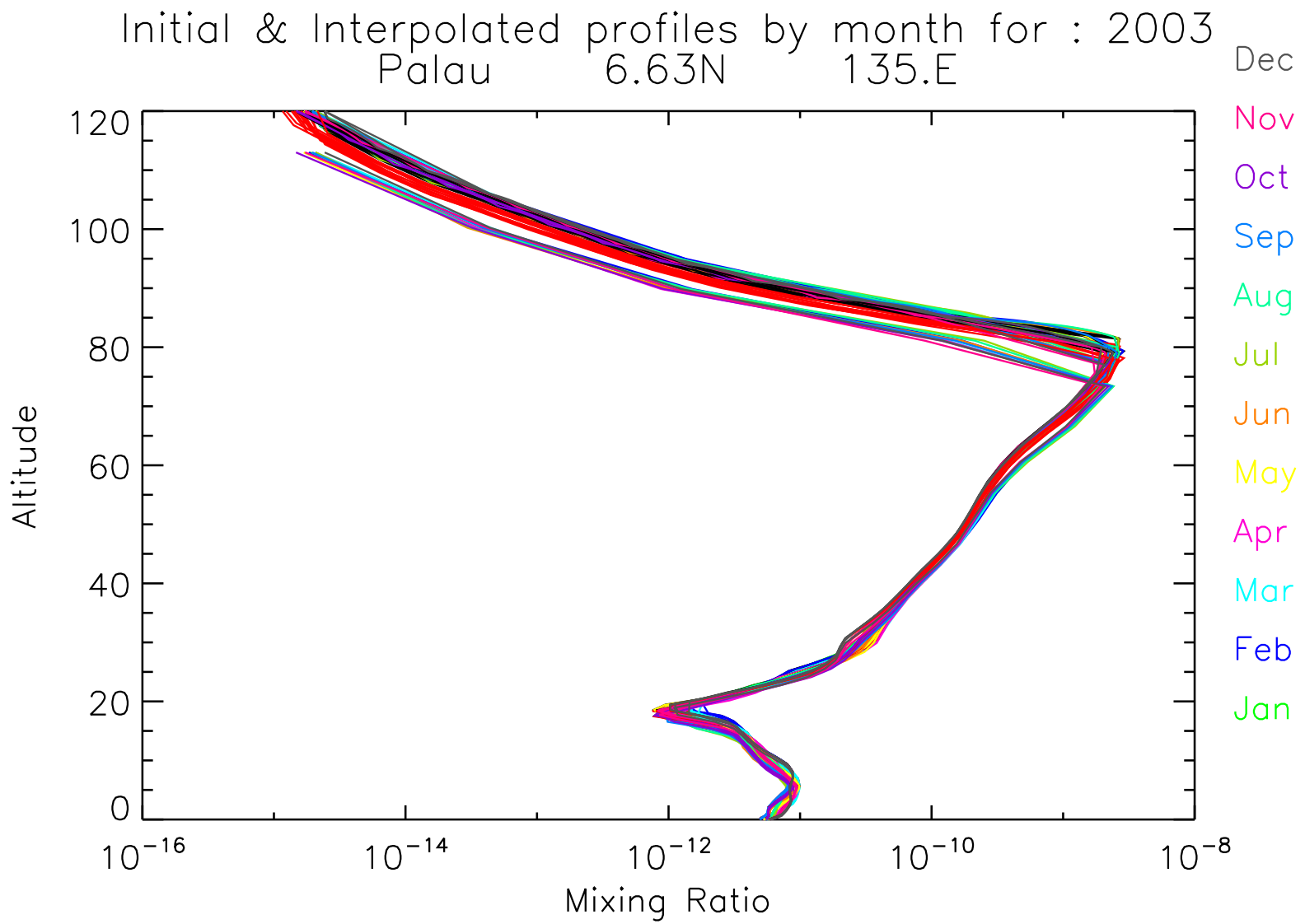
Initial & Interpolated profiles by month for : 2003
Palau 6.63N 135.E
Altitude
120
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10^{-8}
Mixing Ratio
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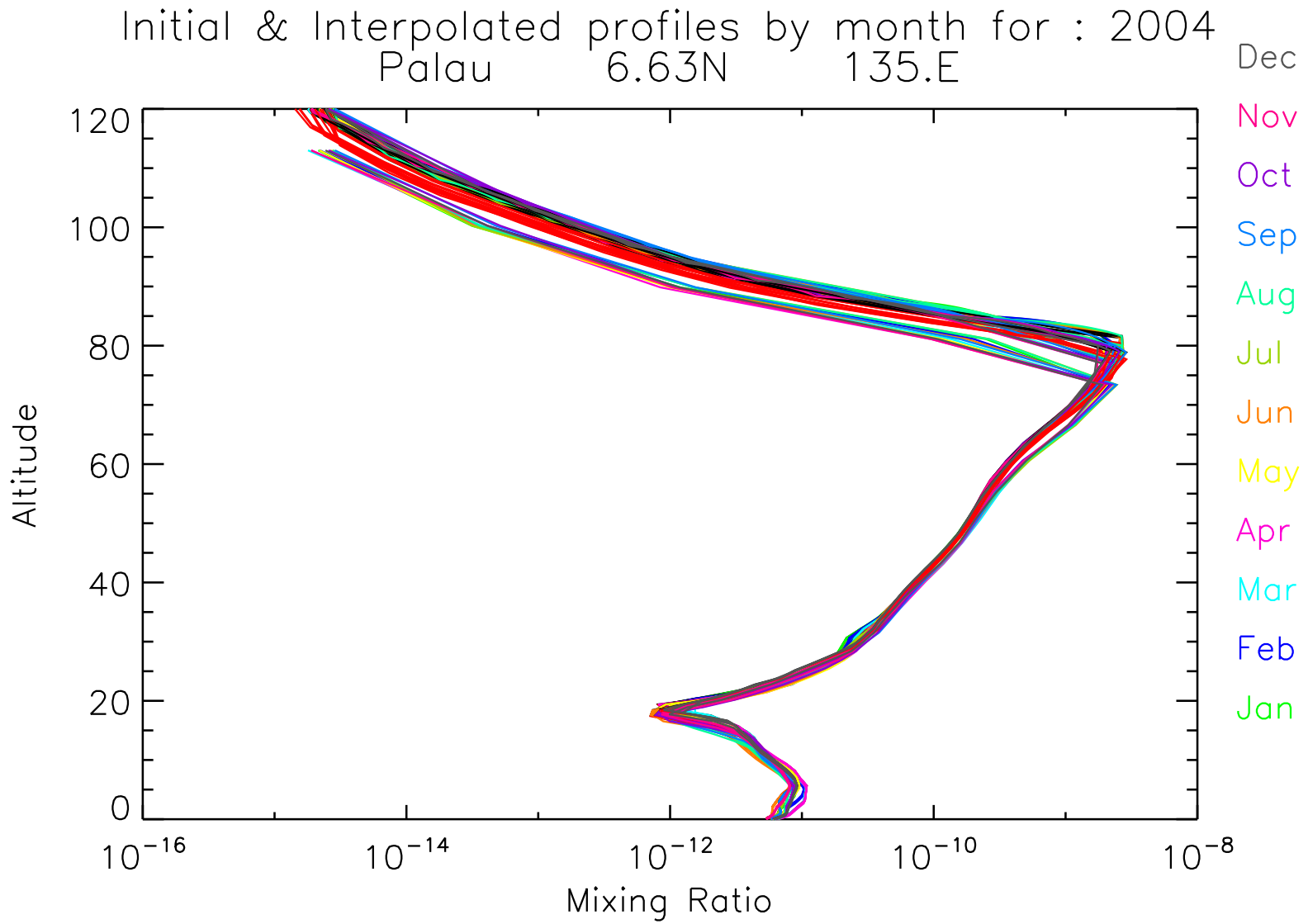
Initial & Interpolated profiles by month for : 2004
Palau 6.63N 135.E
Altitude
120
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10^{-8}
Mixing Ratio
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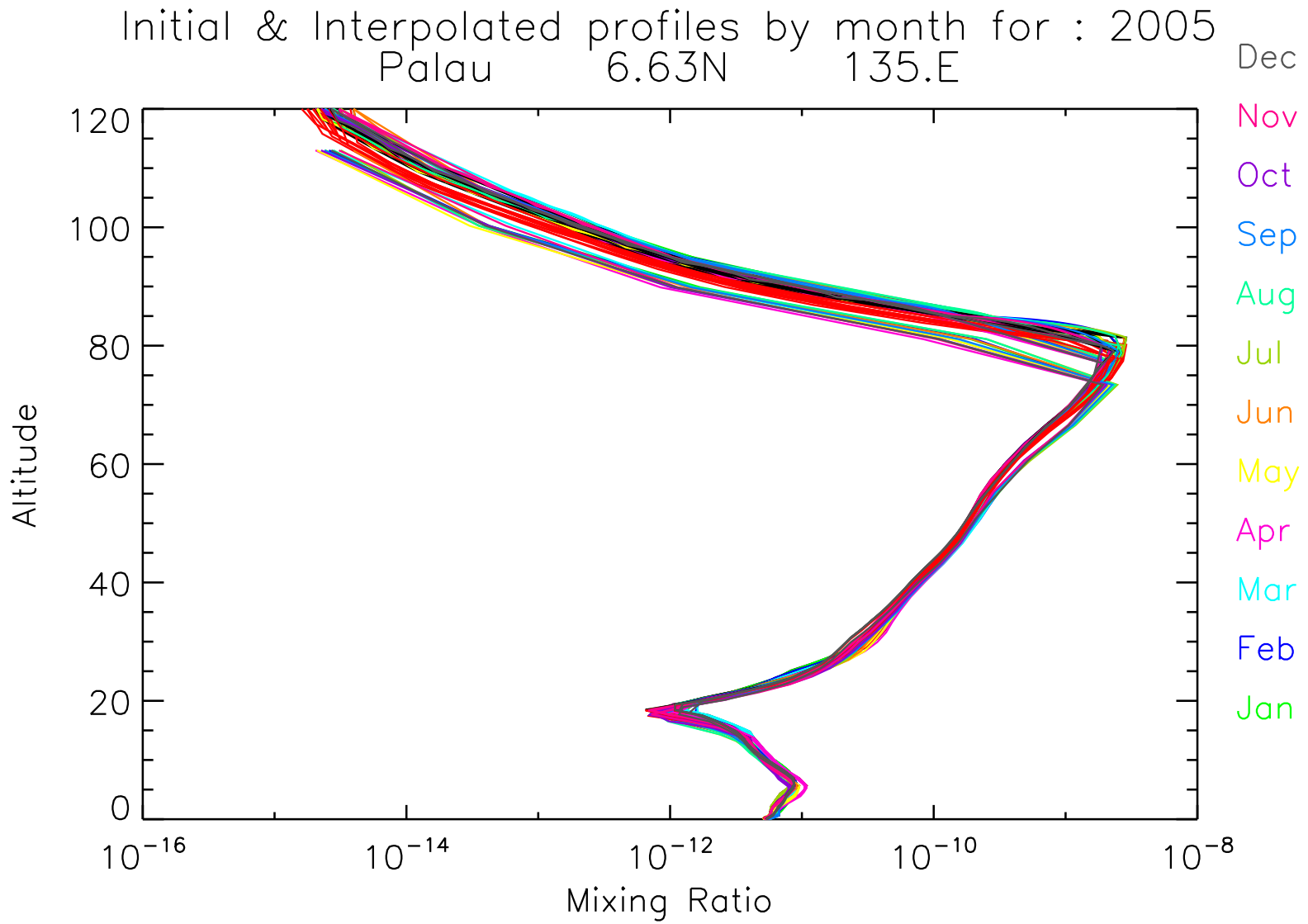
Initial & Interpolated profiles by month for : 2005
Palau 6.63N 135.E
Altitude
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10^{-8}
Mixing Ratio
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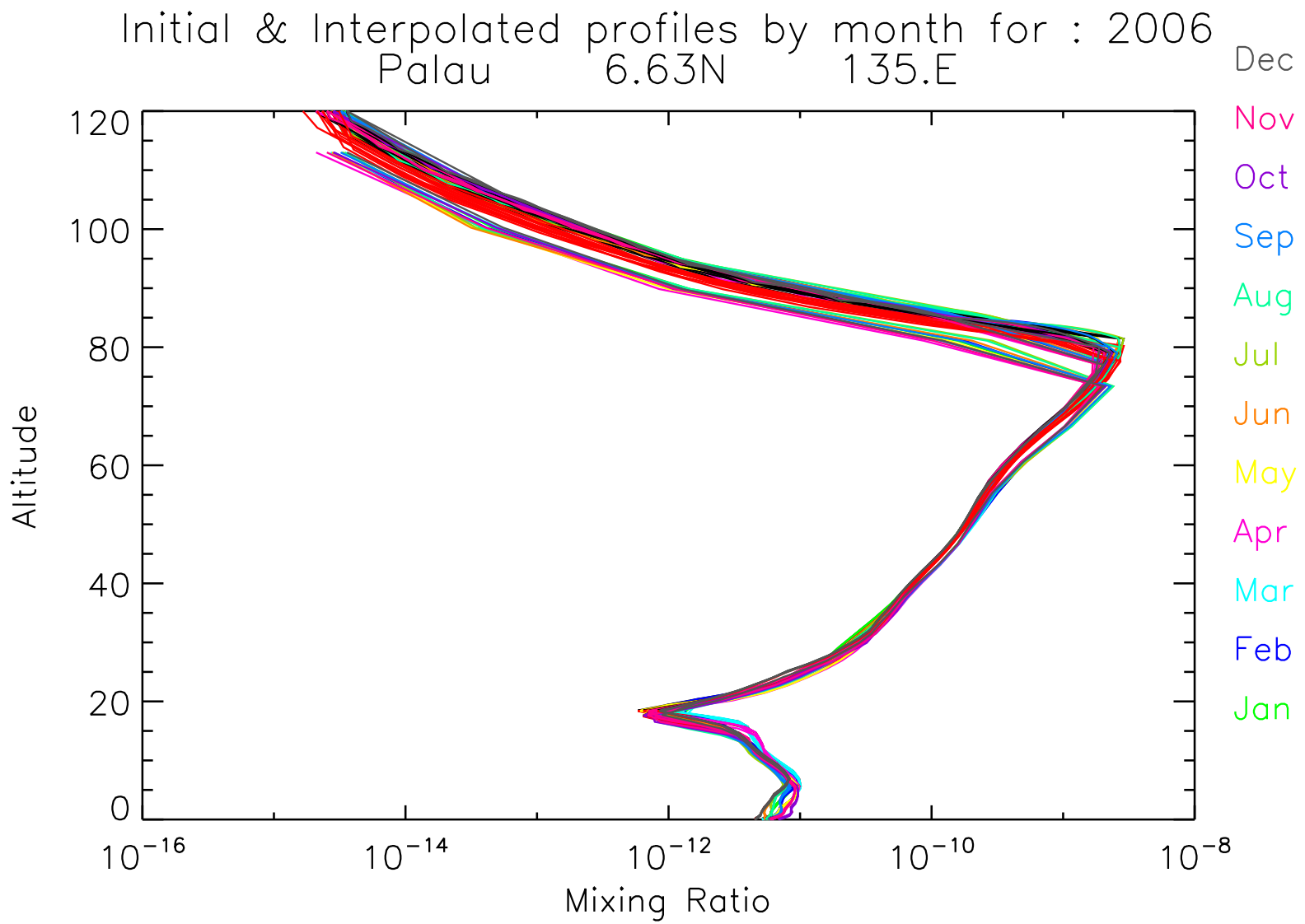
Initial & Interpolated profiles by month for : 2006
Palau 6.63N 135.E
Altitude
120
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Mixing Ratio
Dec
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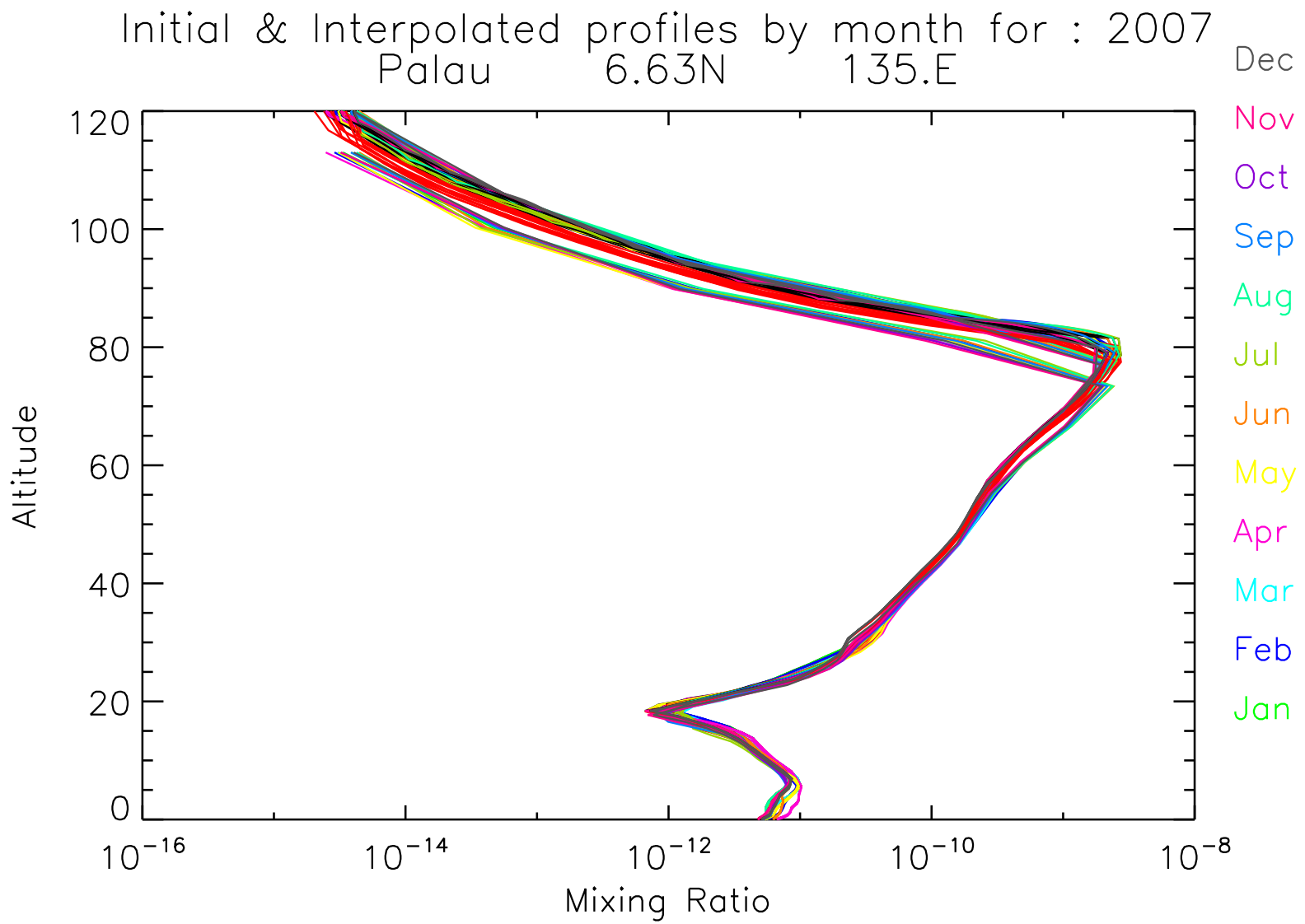
Jan


Initial & Interpolated profiles by month for : 2007
Palau 6.63N 135.E
Altitude
120
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Mixing Ratio
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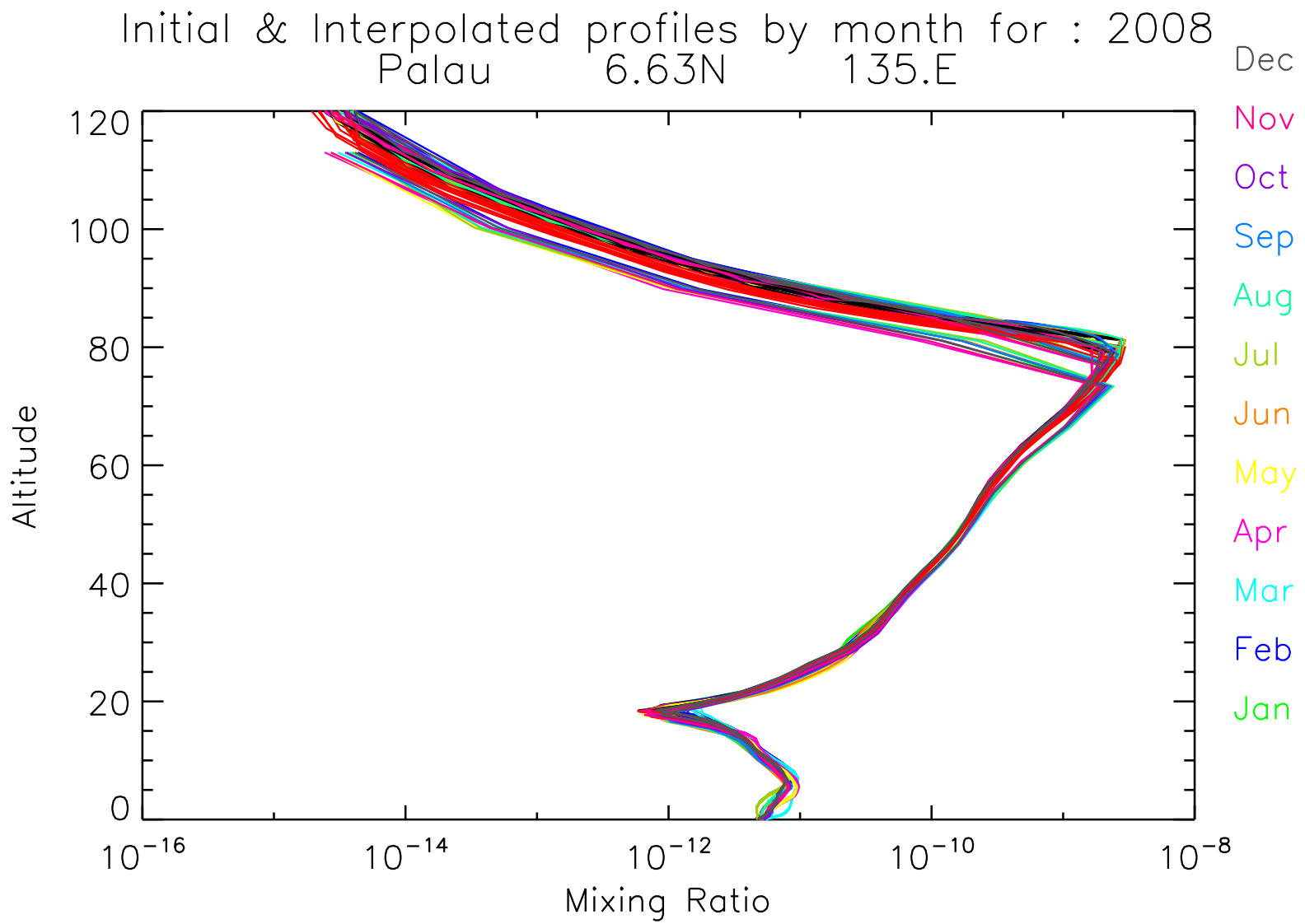
Initial & Interpolated profiles by month for : 2008
Palau 6.63N 135.E
Altitude
120
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10^{-8}
Mixing Ratio
Dec
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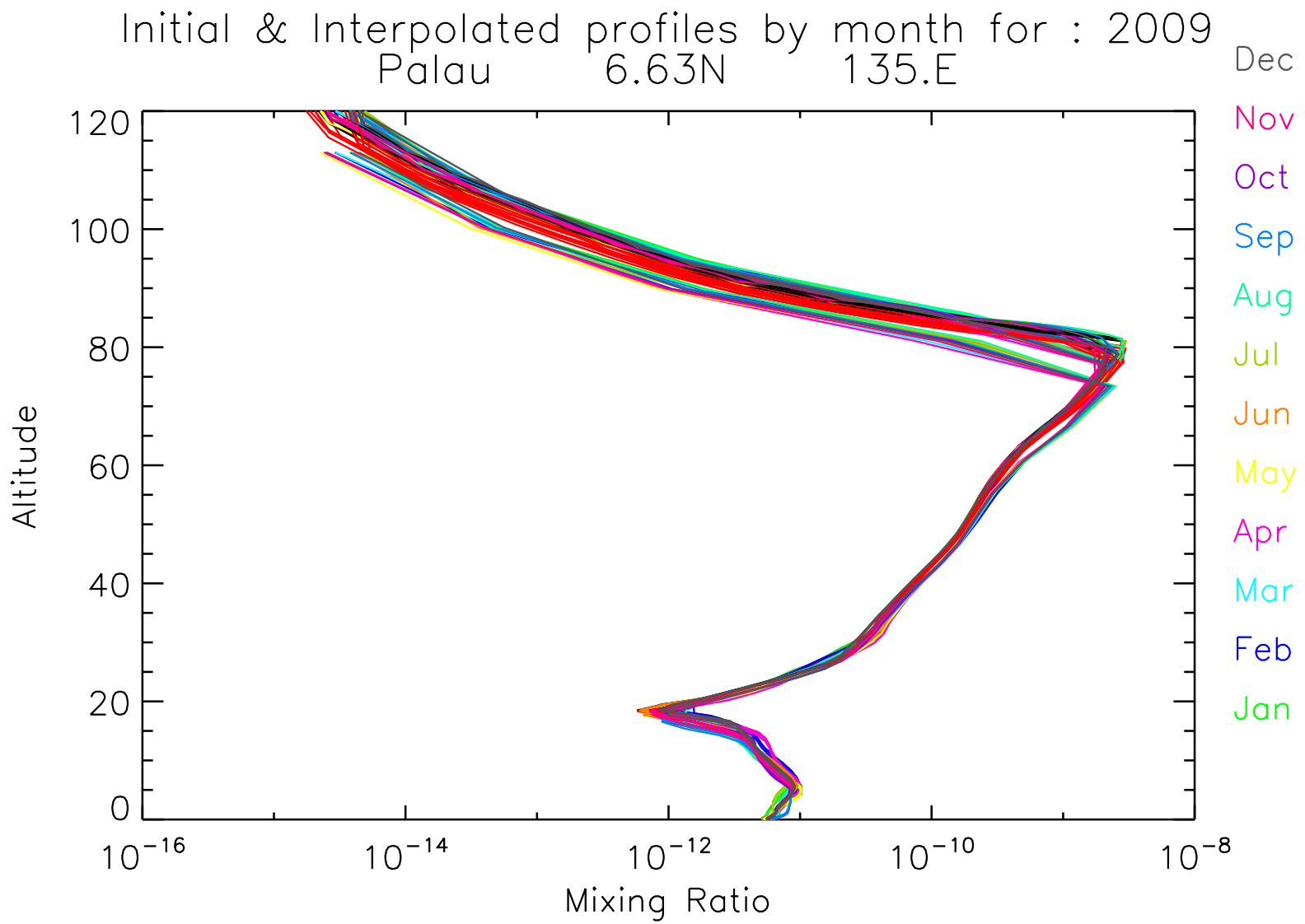
Initial & Interpolated profiles by month for : 2009
Palau 6.63N 135.E
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Altitude
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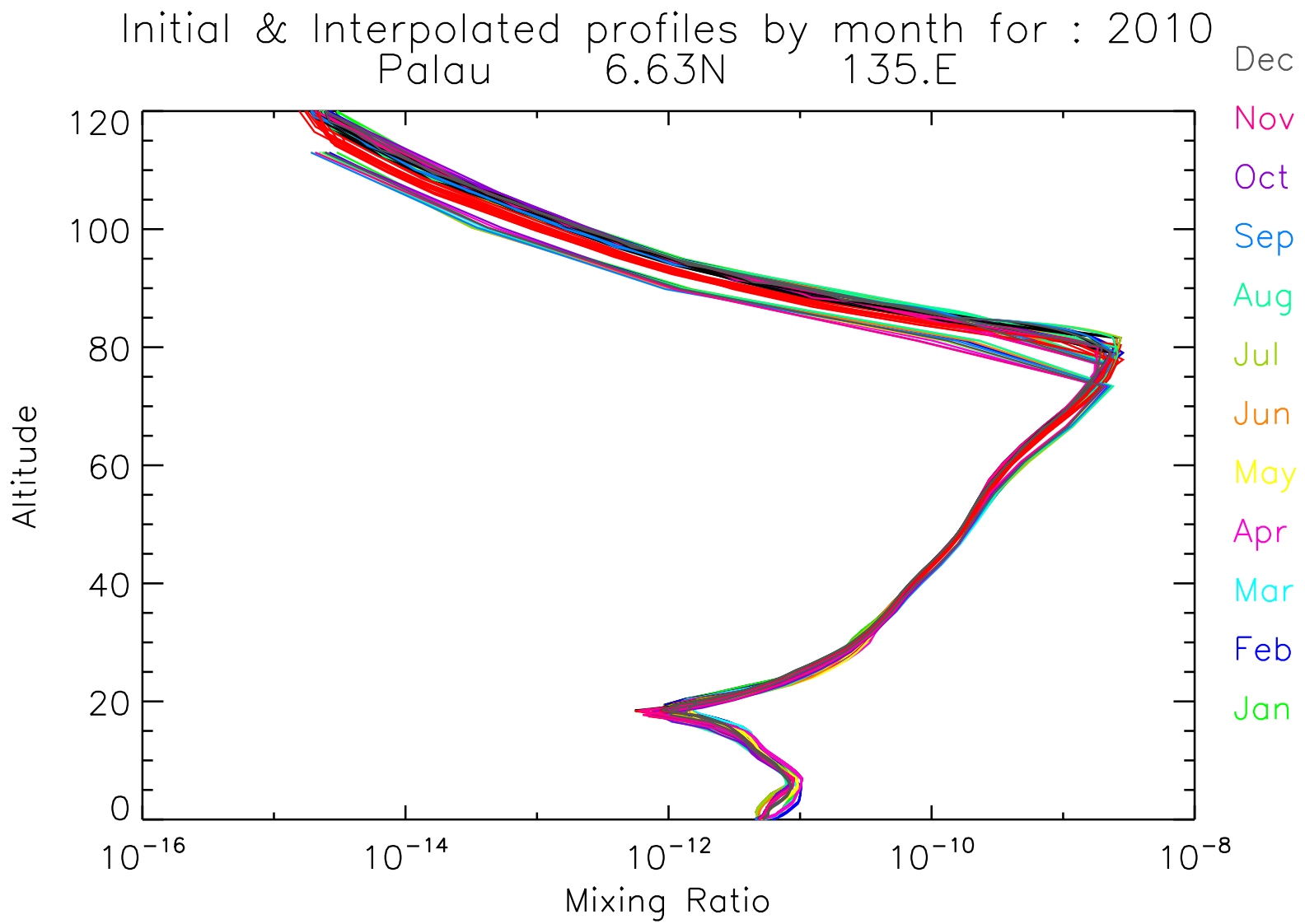
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Palau 6.63N 135.E
Dec
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Altitude
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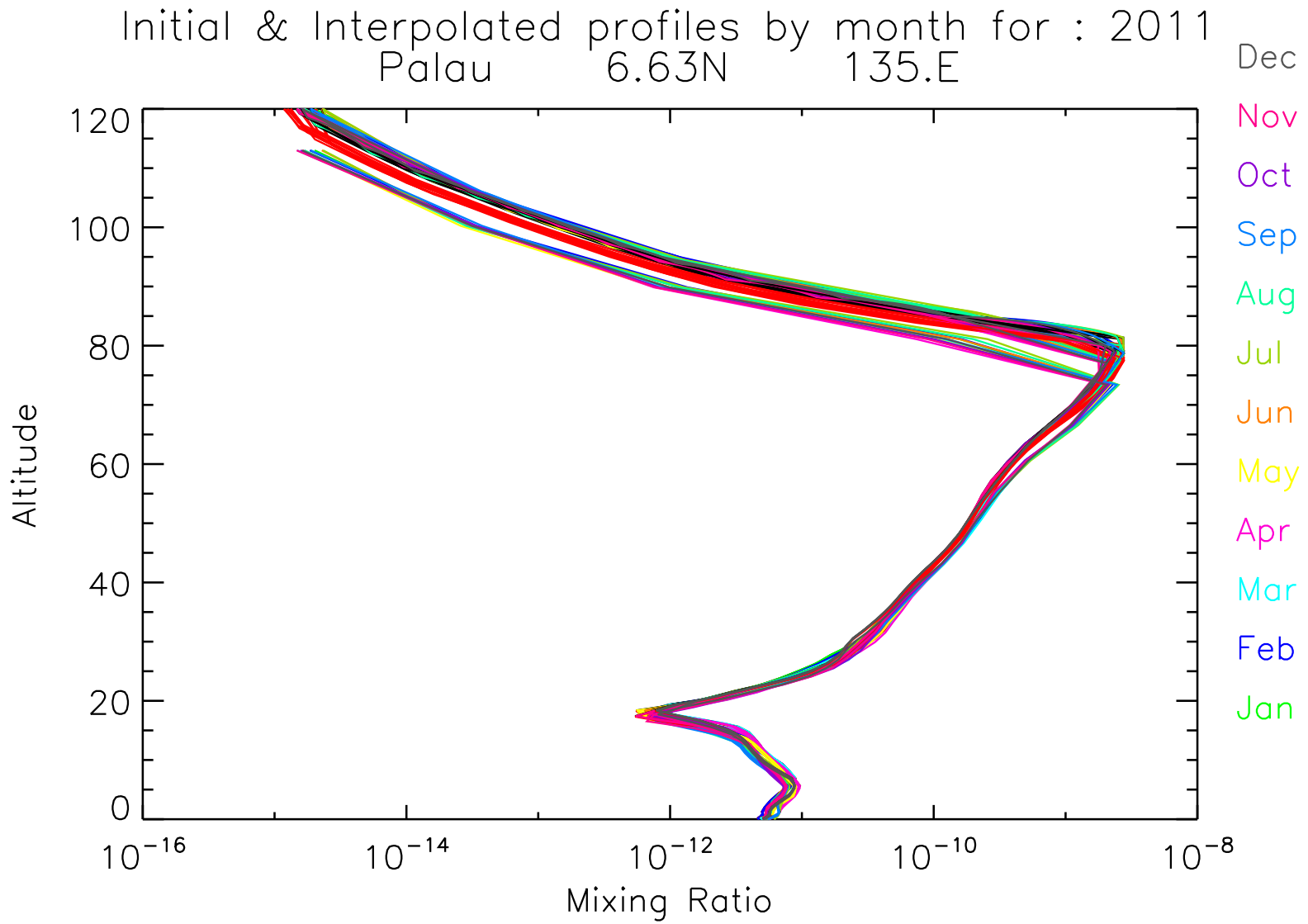
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Palau 6.63N 135.E
Altitude
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Mixing Ratio
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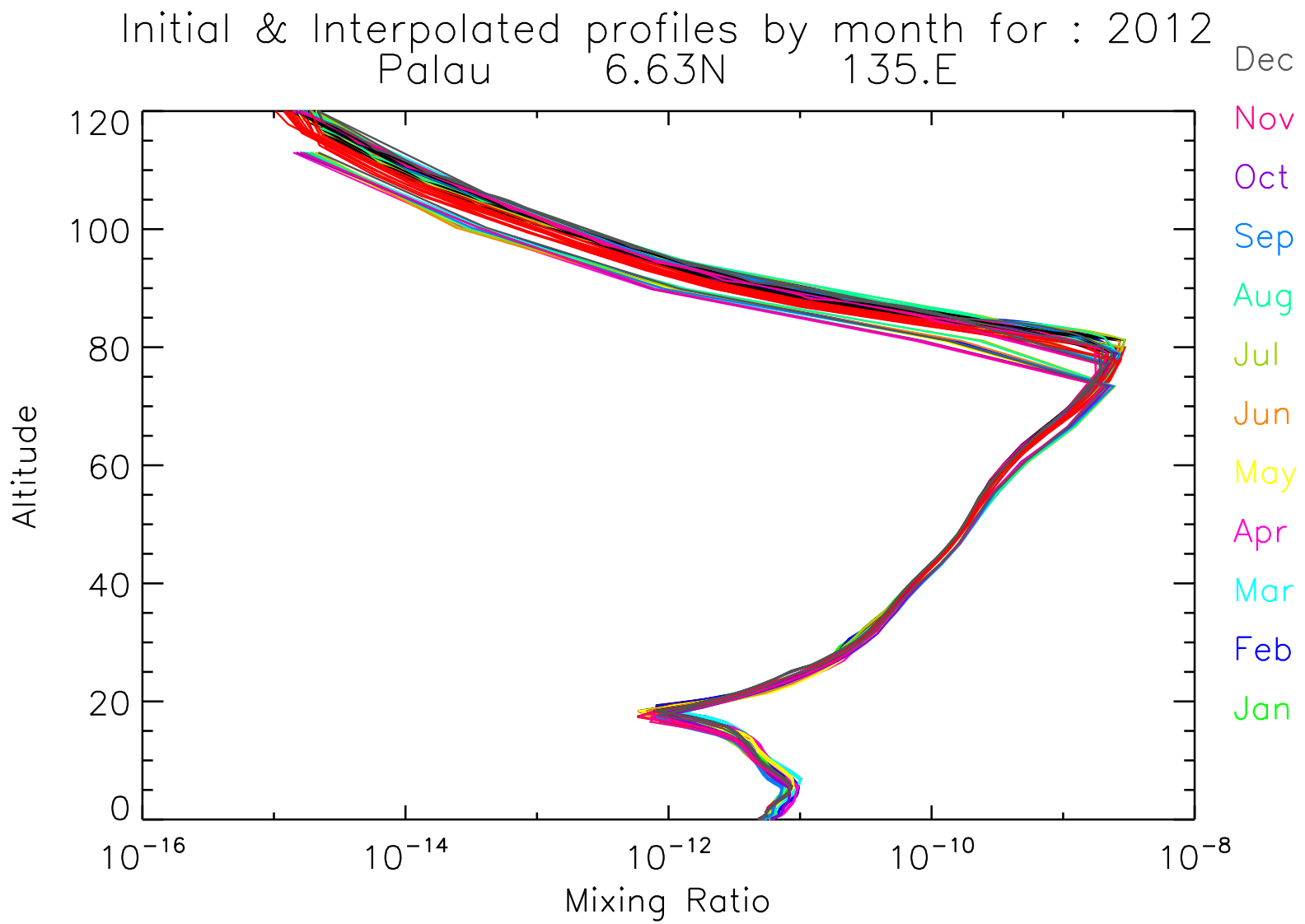
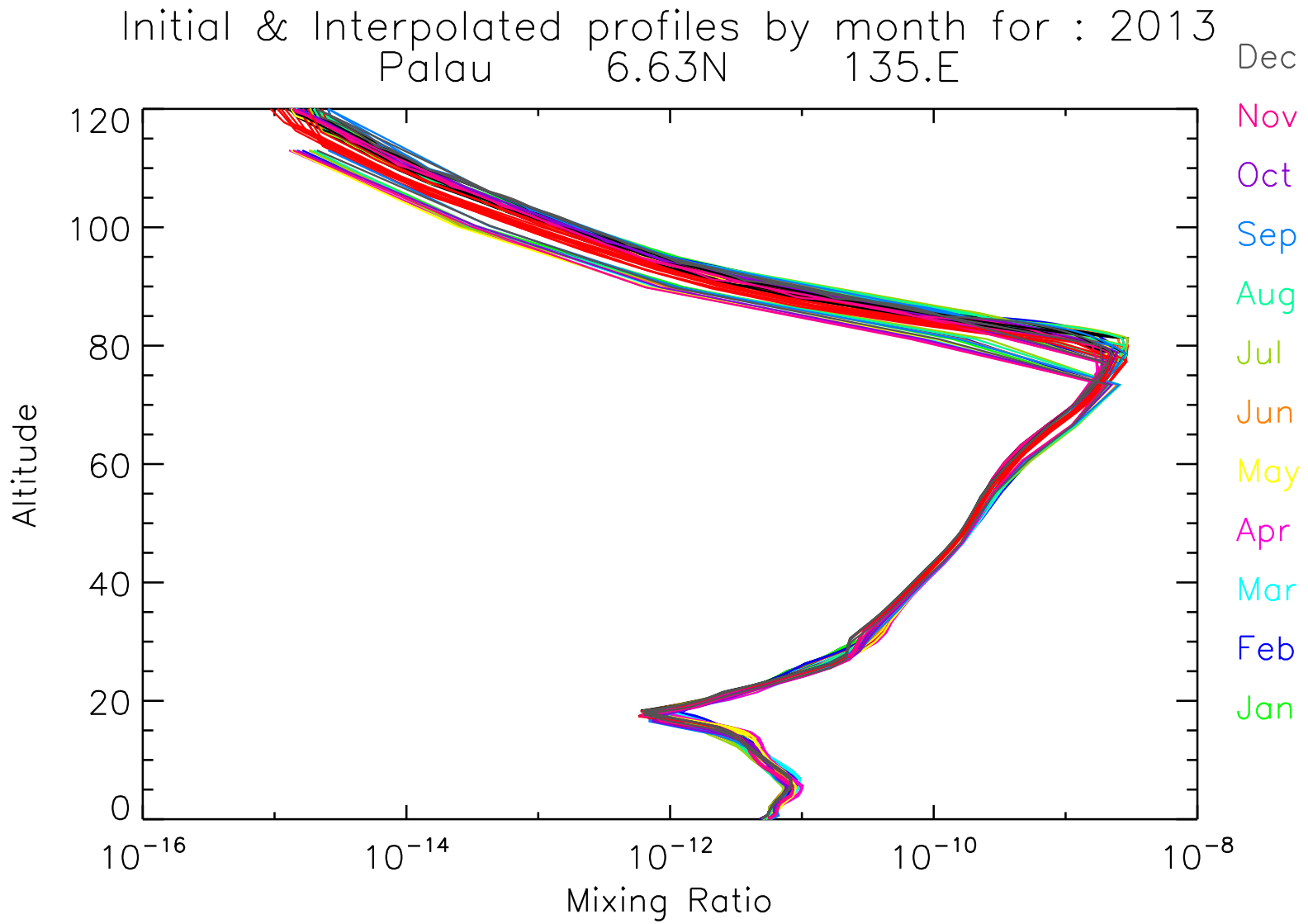
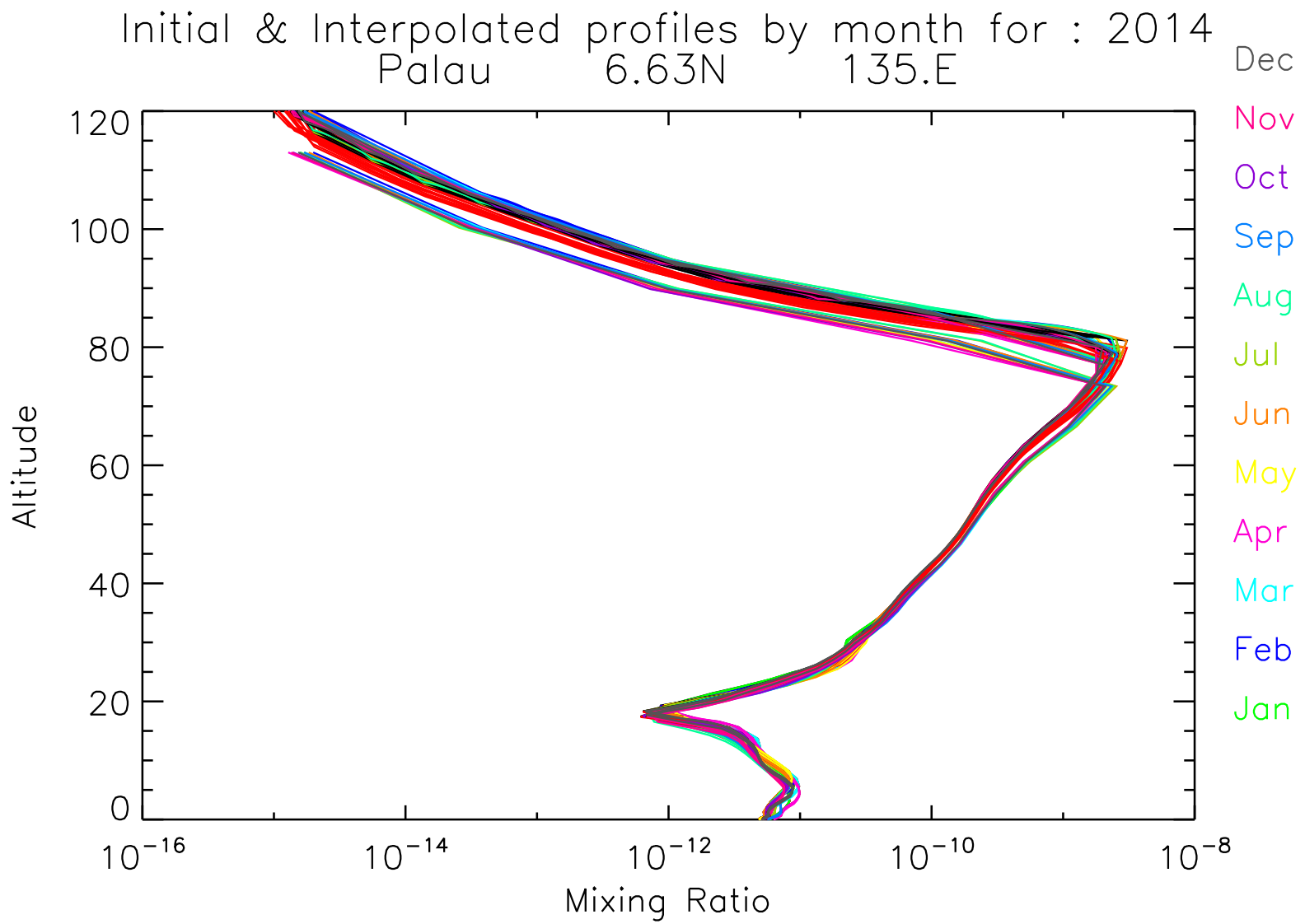
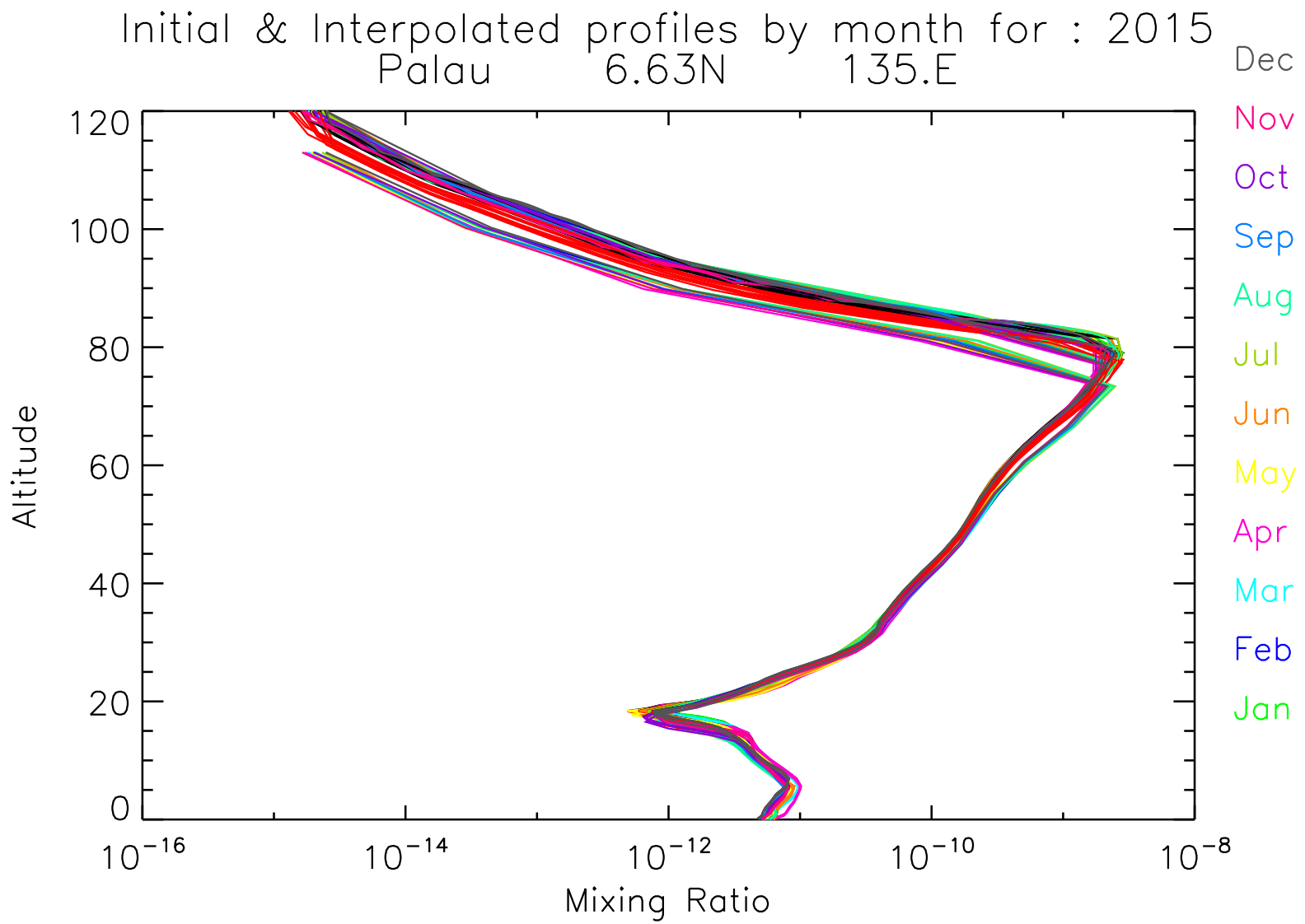
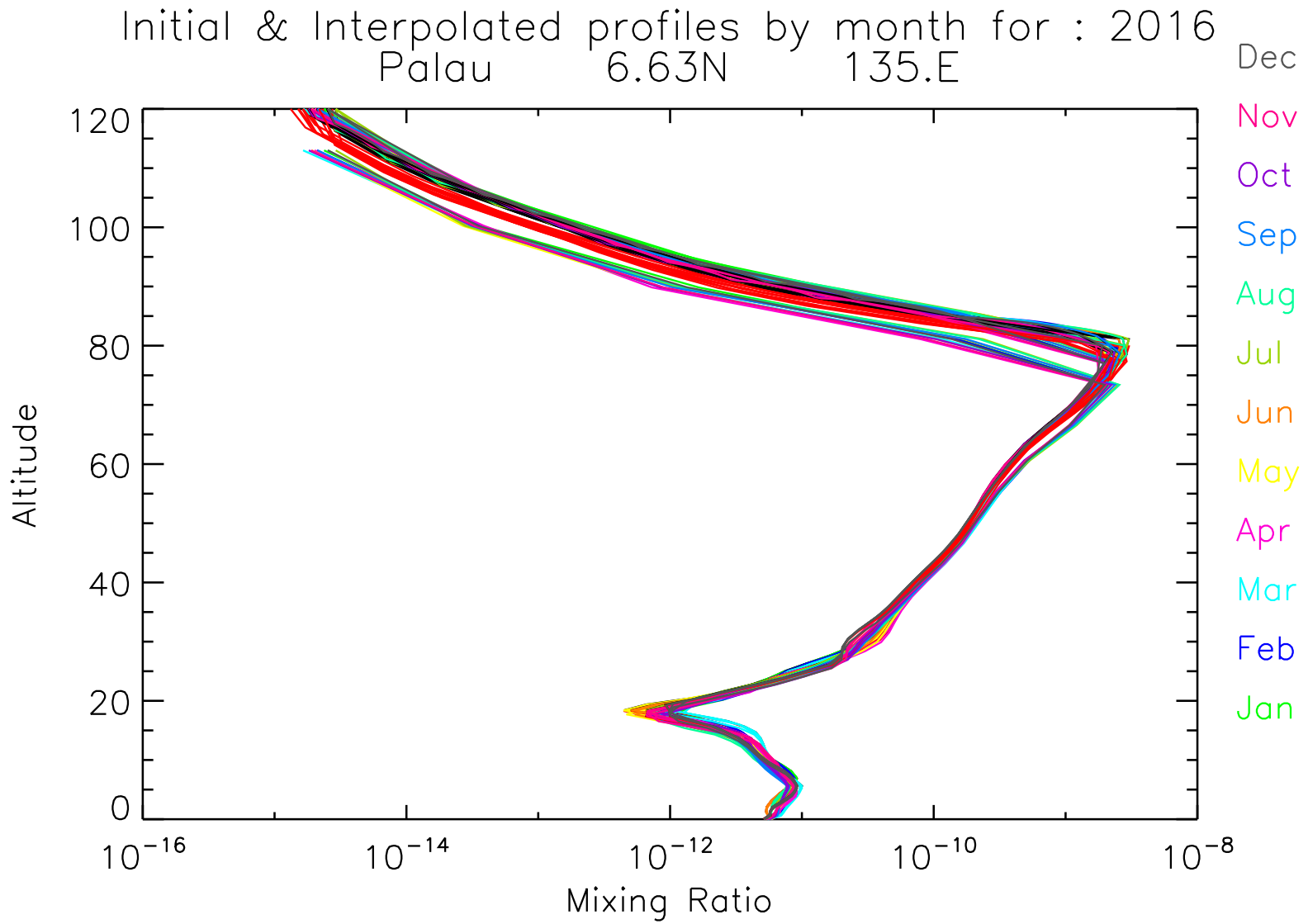
Feb
Jan

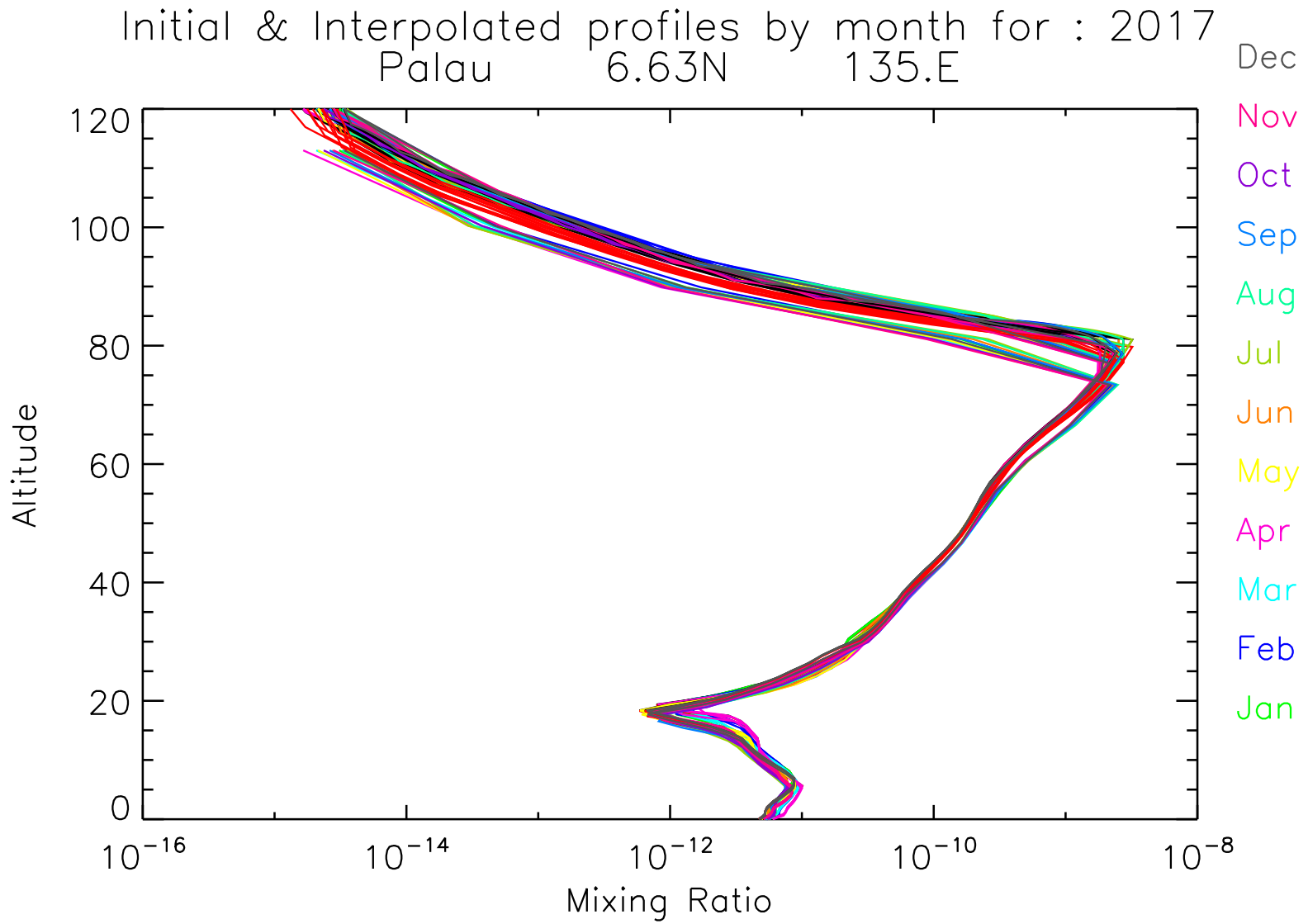

Initial & Interpolated profiles by month for : 2012
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

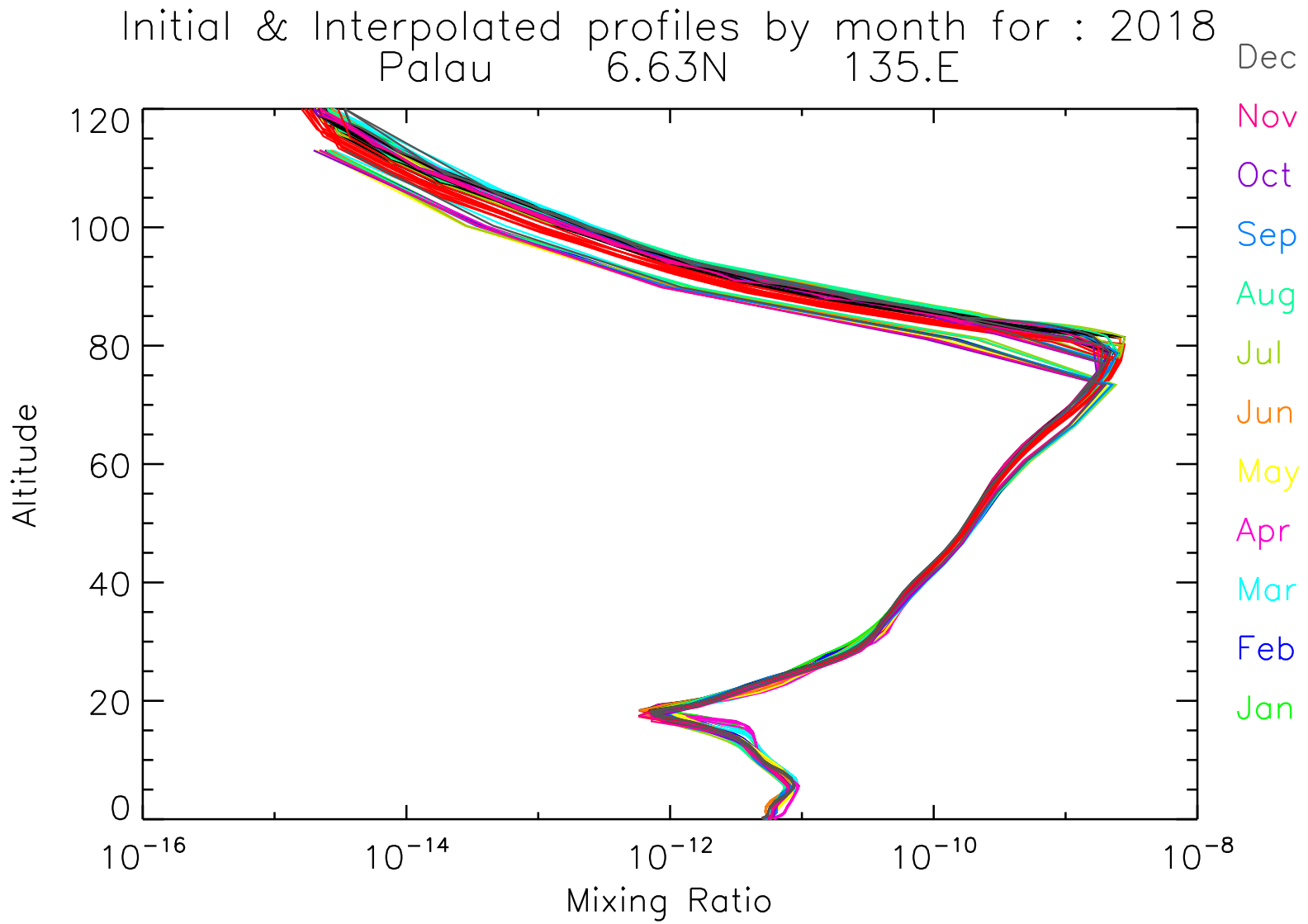

Initial & Interpolated profiles by month for : 2013
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

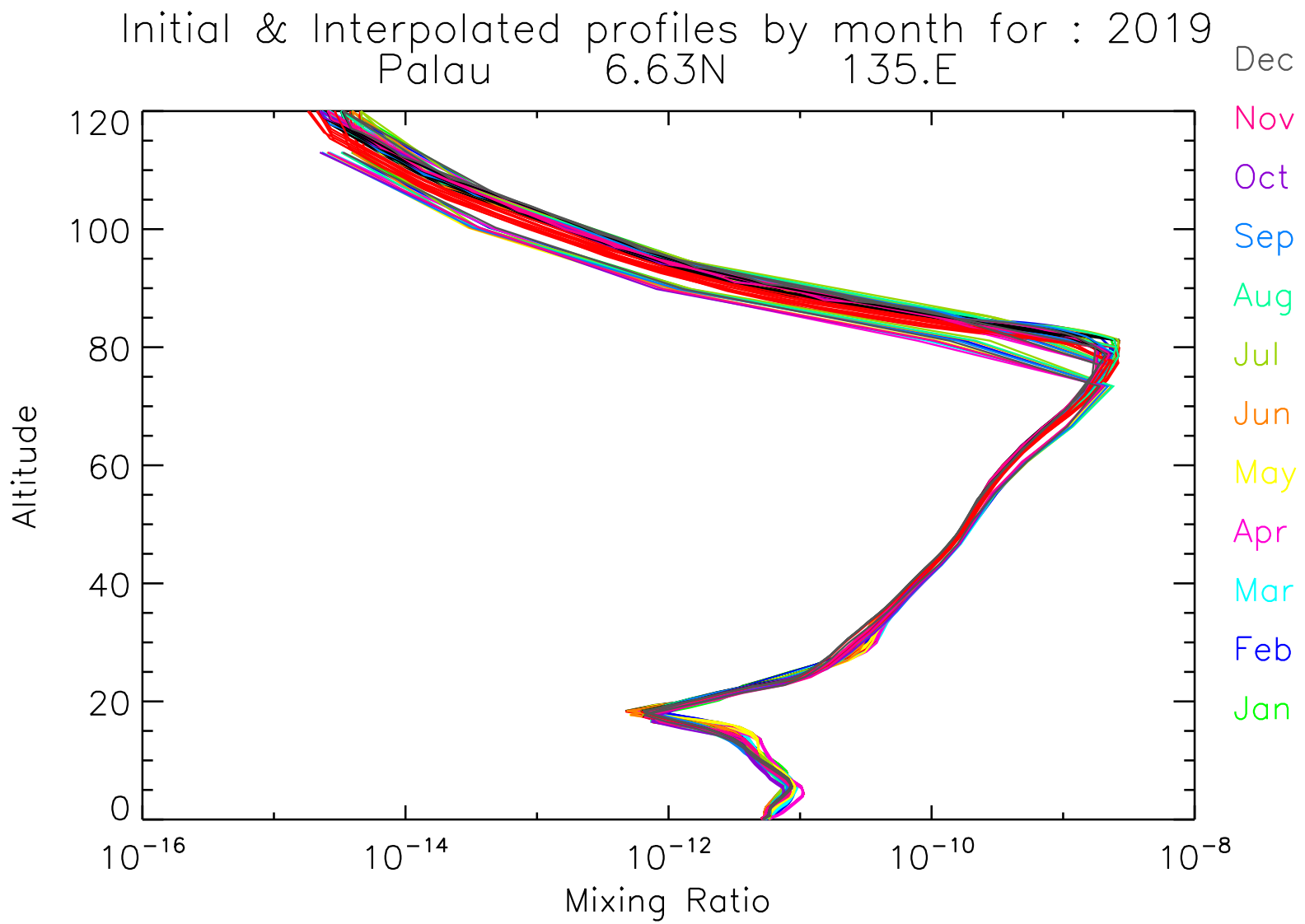

Initial & Interpolated profiles by month for : 2014
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

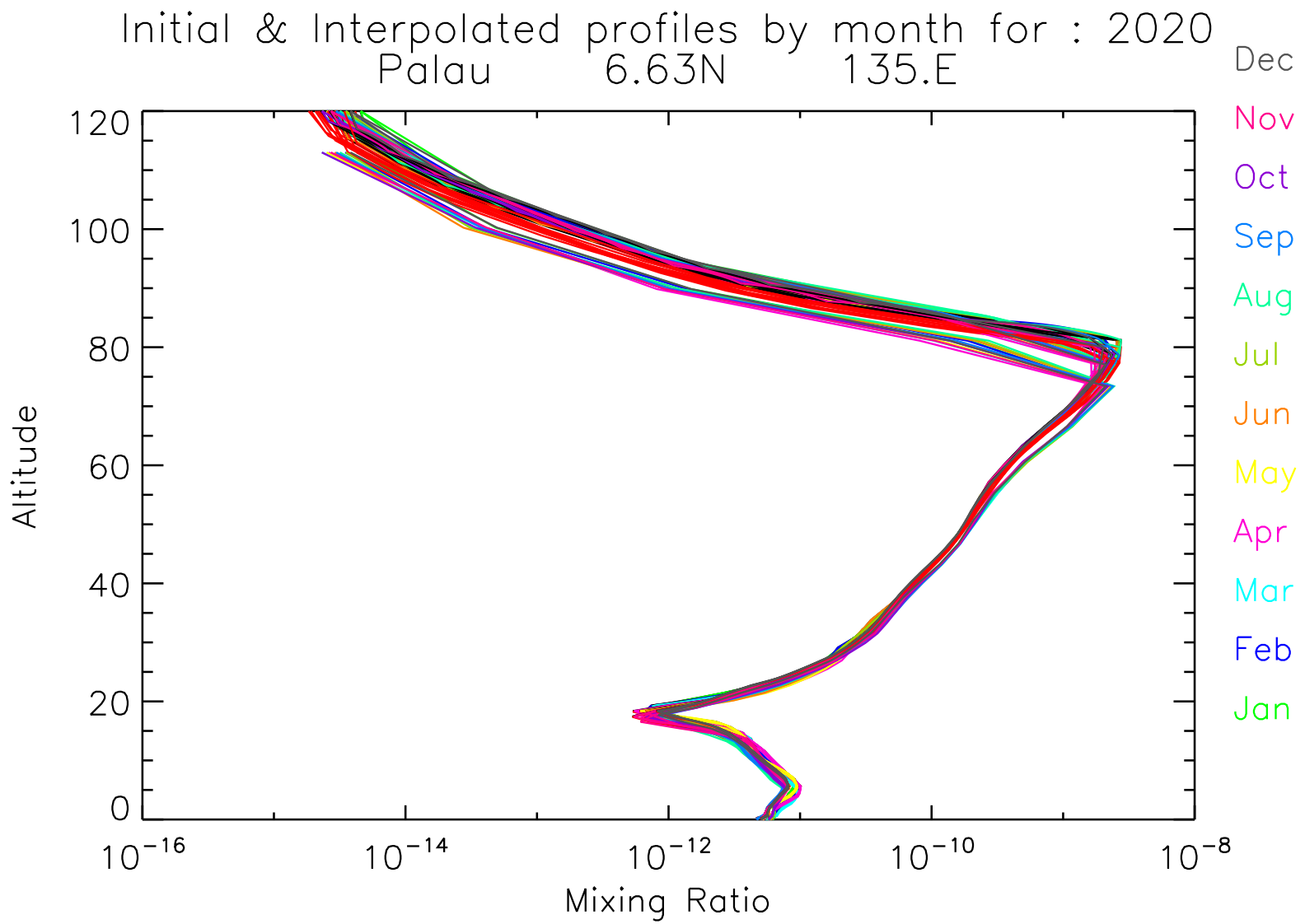

Initial & Interpolated profiles by month for : 2015
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

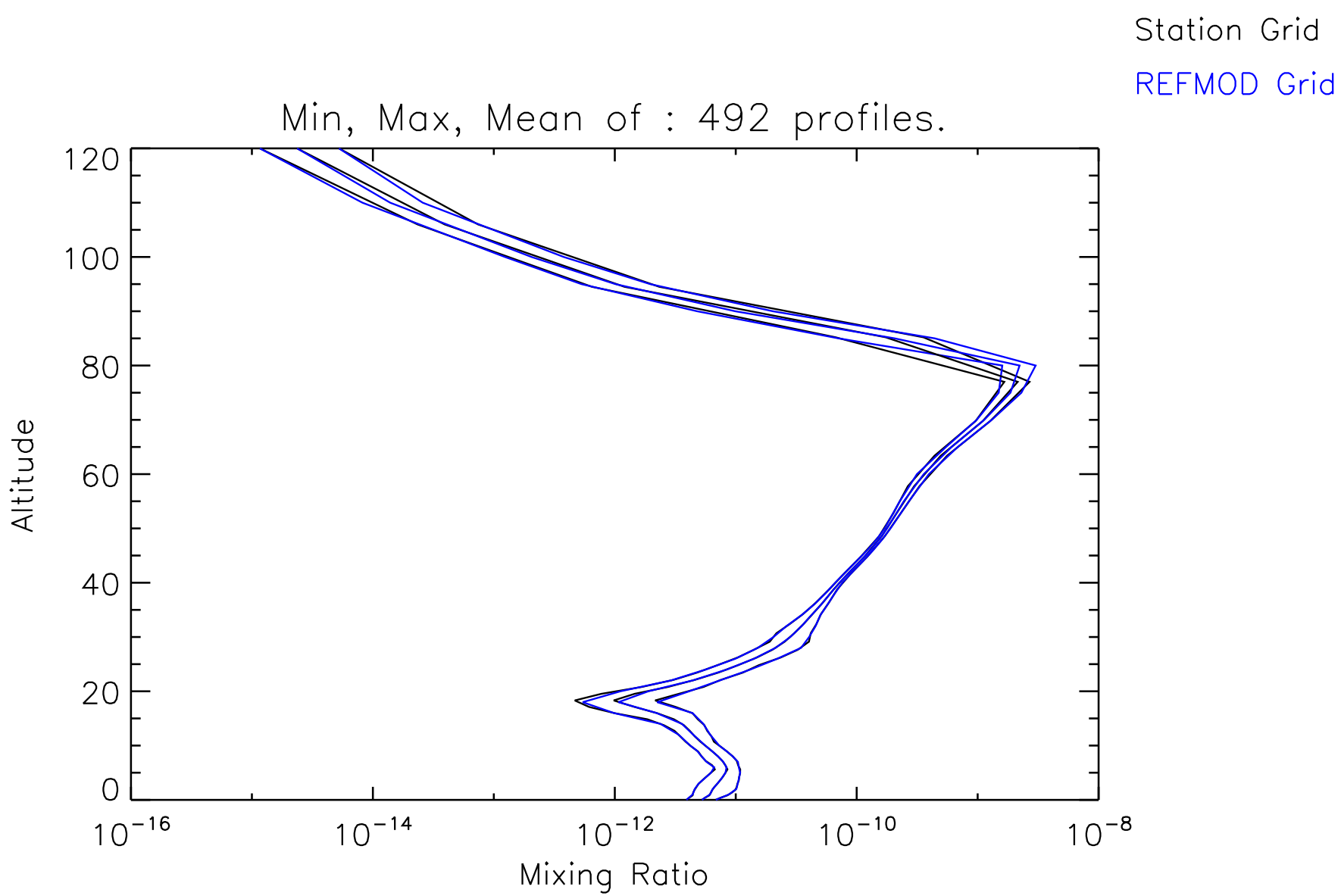

Initial & Interpolated profiles by month for : 2016
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

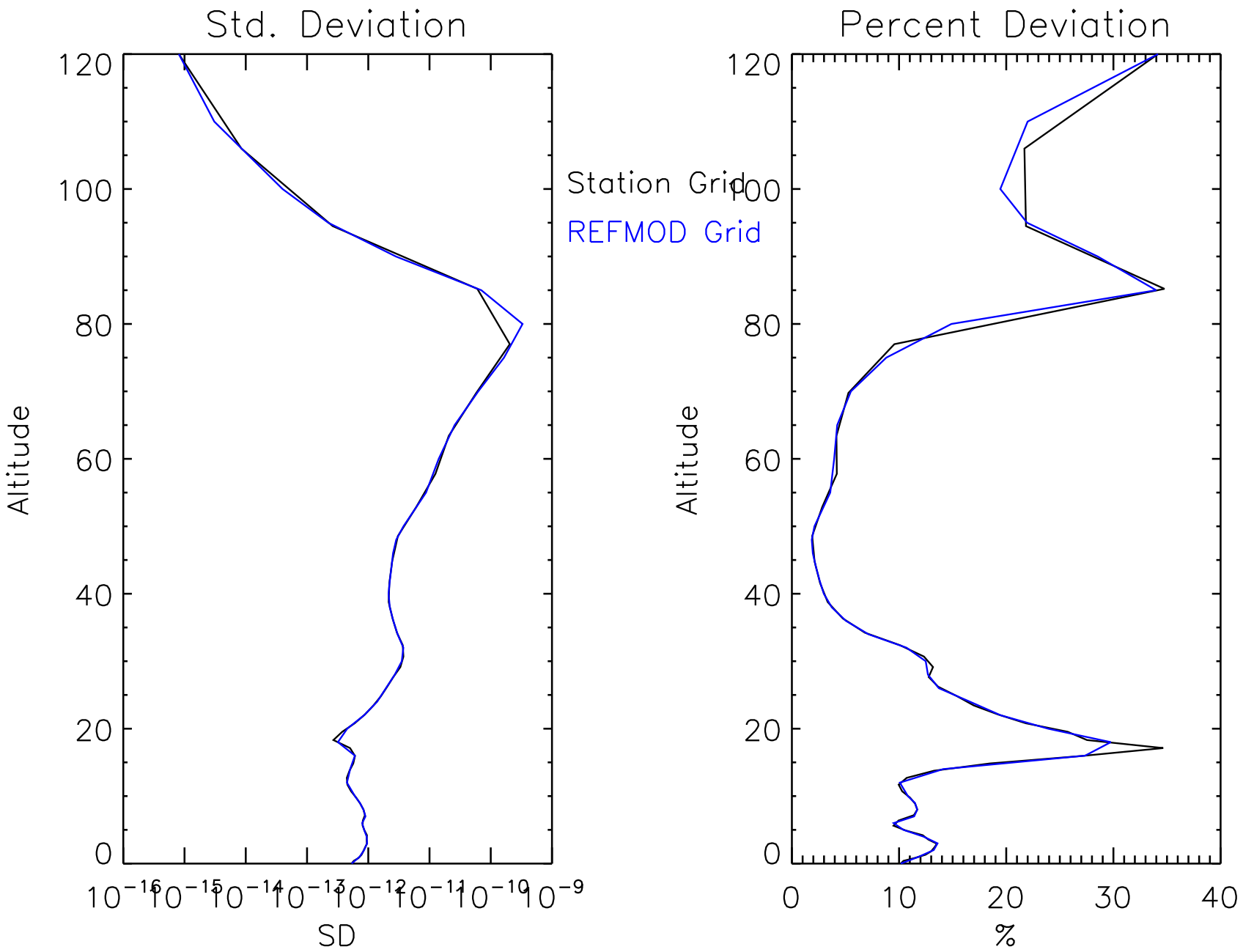

Initial & Interpolated profiles by month for : 2017
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

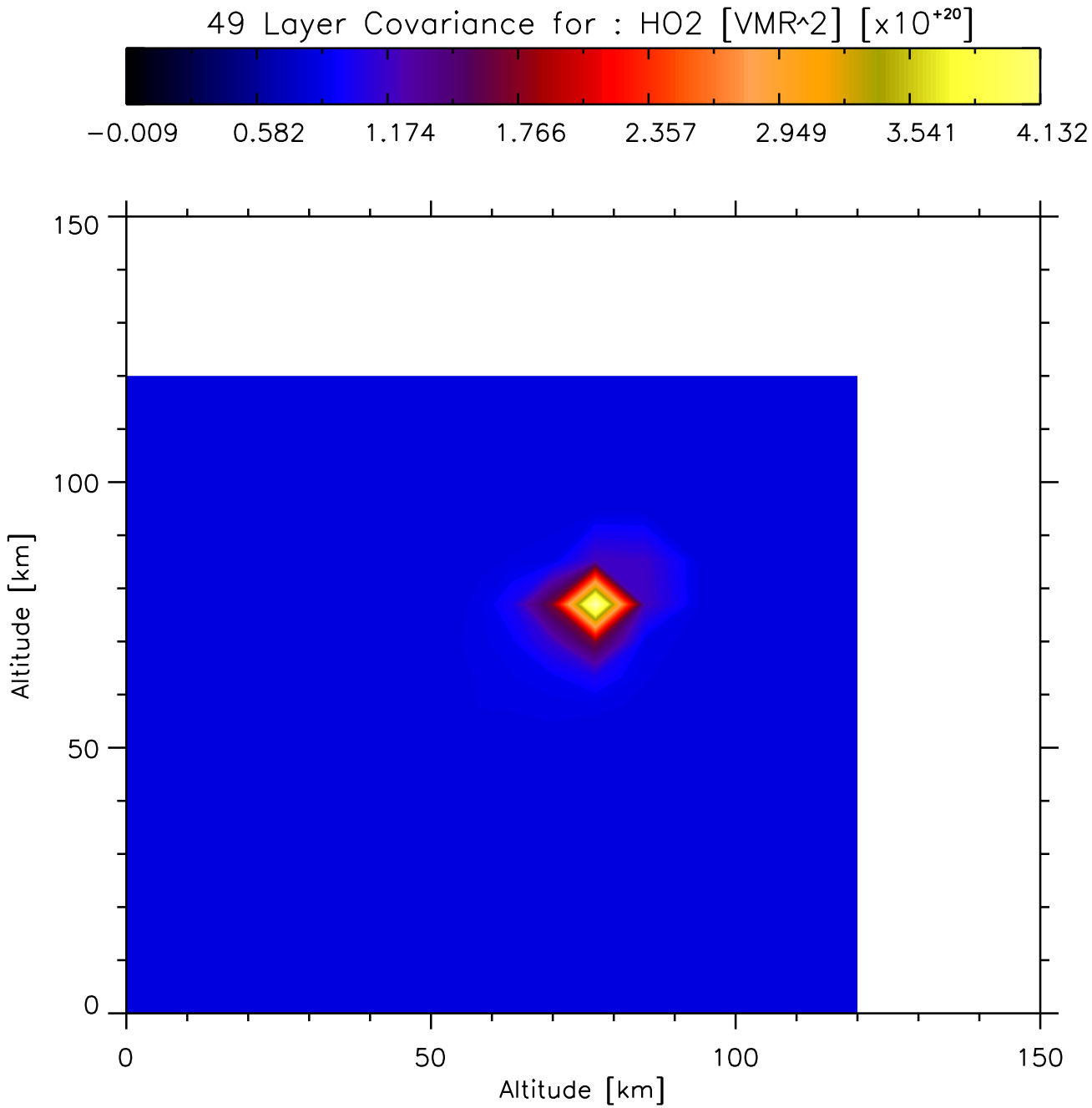

Initial & Interpolated profiles by month for : 2018
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

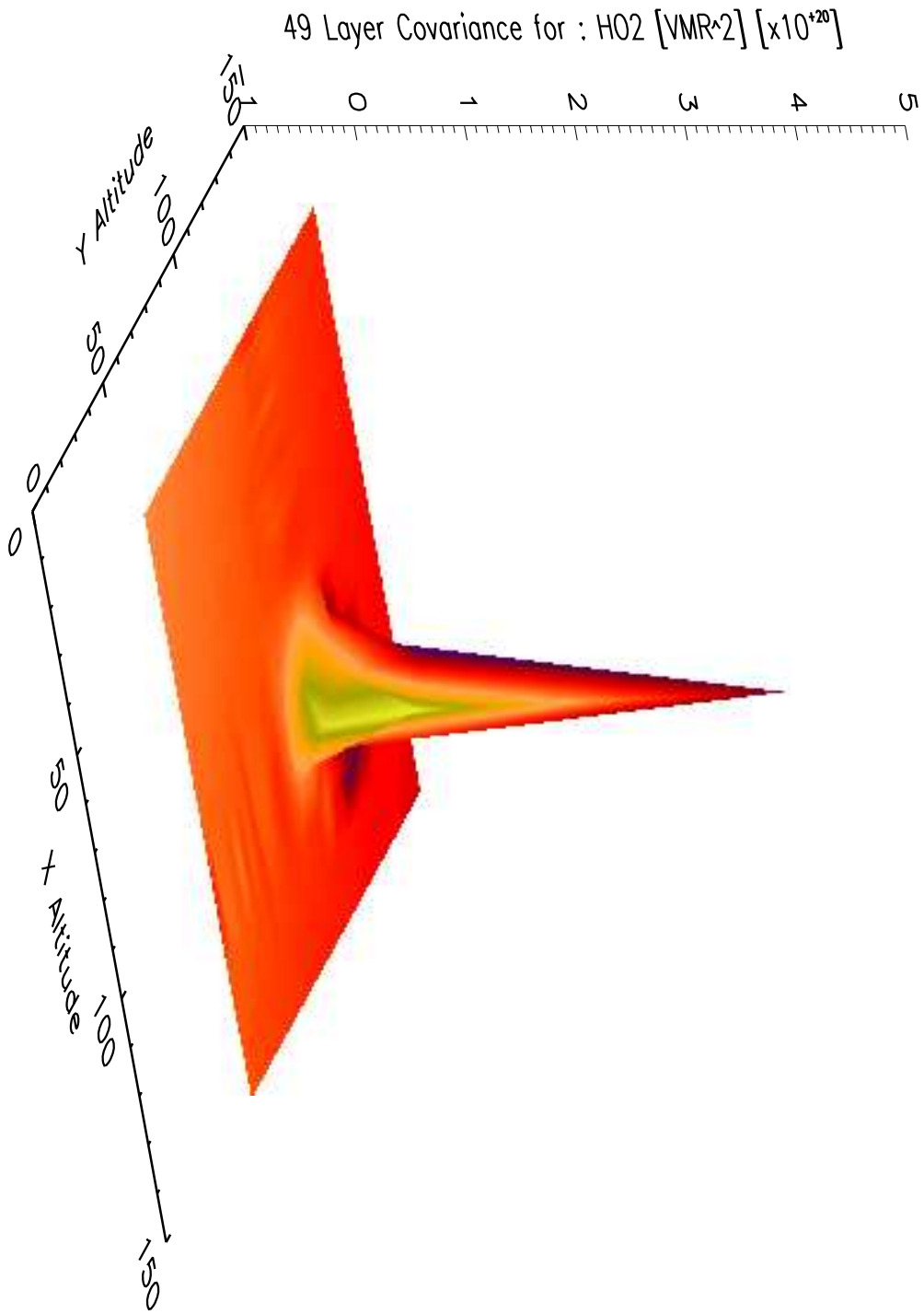

Initial & Interpolated profiles by month for : 2019
Palau 6.63N 135.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

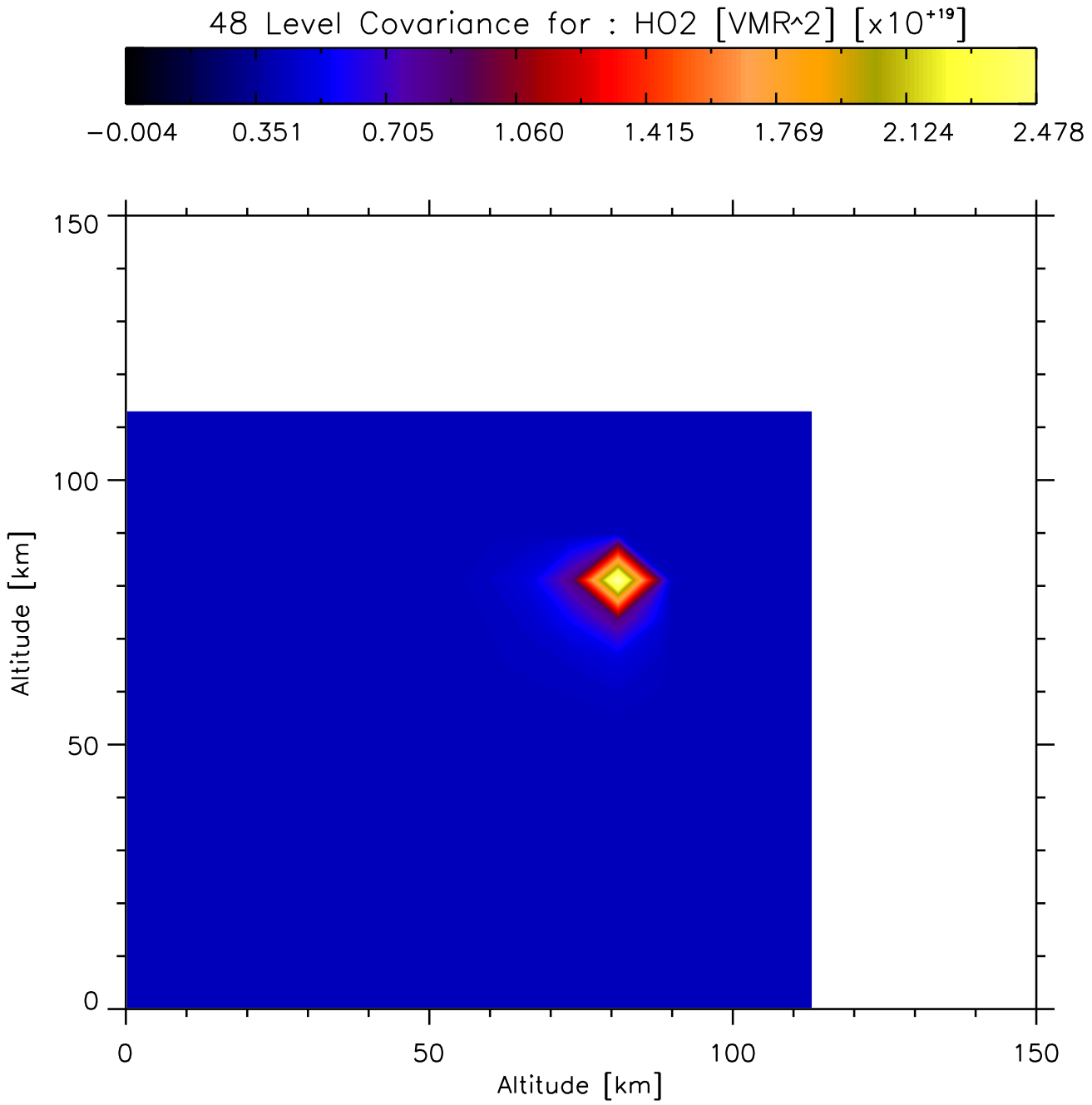

Initial & Interpolated profiles by month for : 2020
Palau 6.63N 135.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-16} 10^{-15} 10^{-14} 10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9}
SD
0 10 20 30 40
%


49 Layer Covariance for : HO2 [VMR^2] [x10^+20]
−0.009
0.582
1.174
1.766
2.357
2.949
3.541
4.132
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : HO2 [VMR^2] [x10^+20]
0
1
2
3
4
5
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


48 Level Covariance for : HO2 [VMR^2] [x10^+19]
−0.004
0.351
0.705
1.060
1.415
1.769
2.124
2.478
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : HO2 [VMR^2] [x10^-19]
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Y Altitude
0
30
60
90
120
X Altitude
0
50
100
150