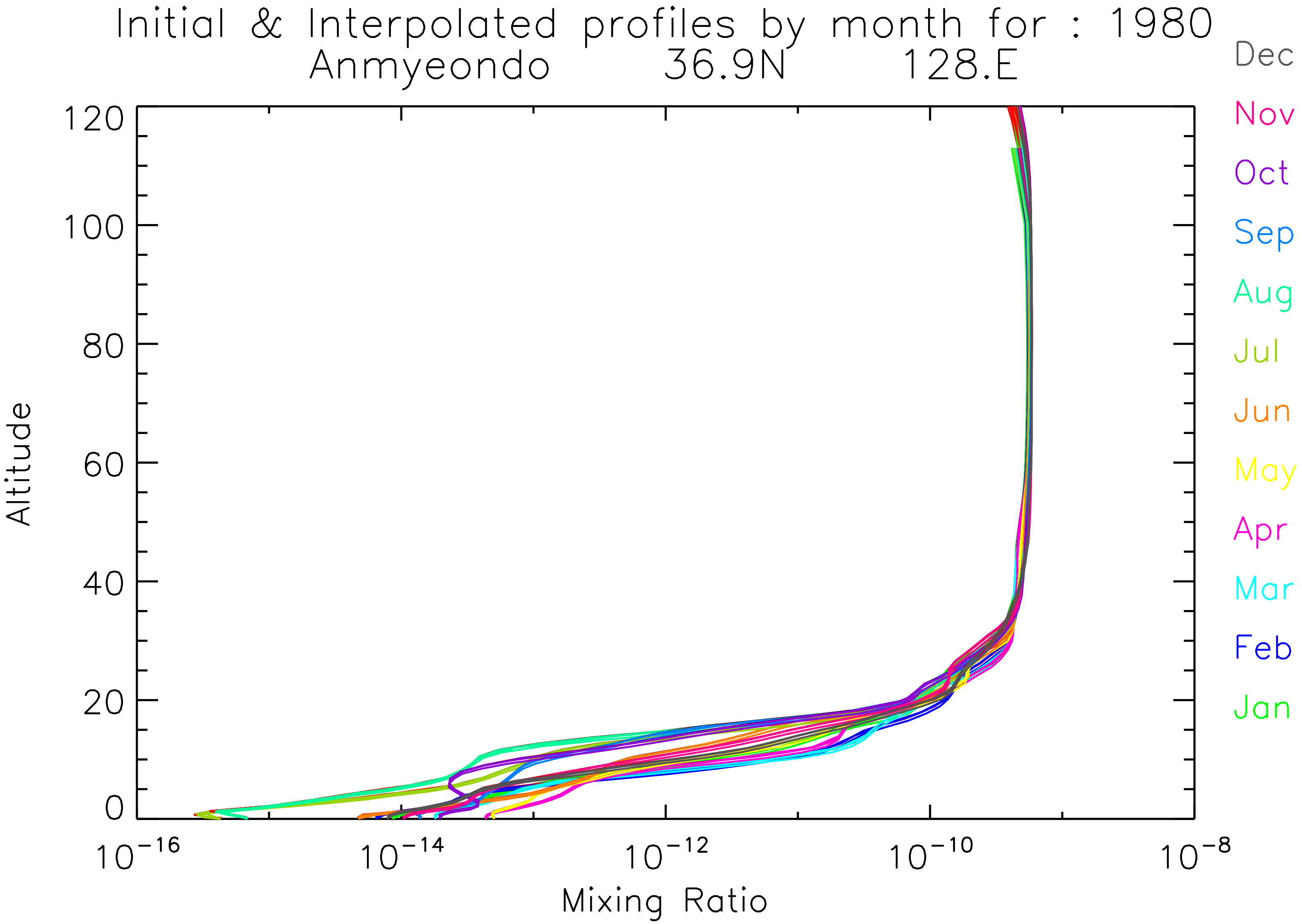
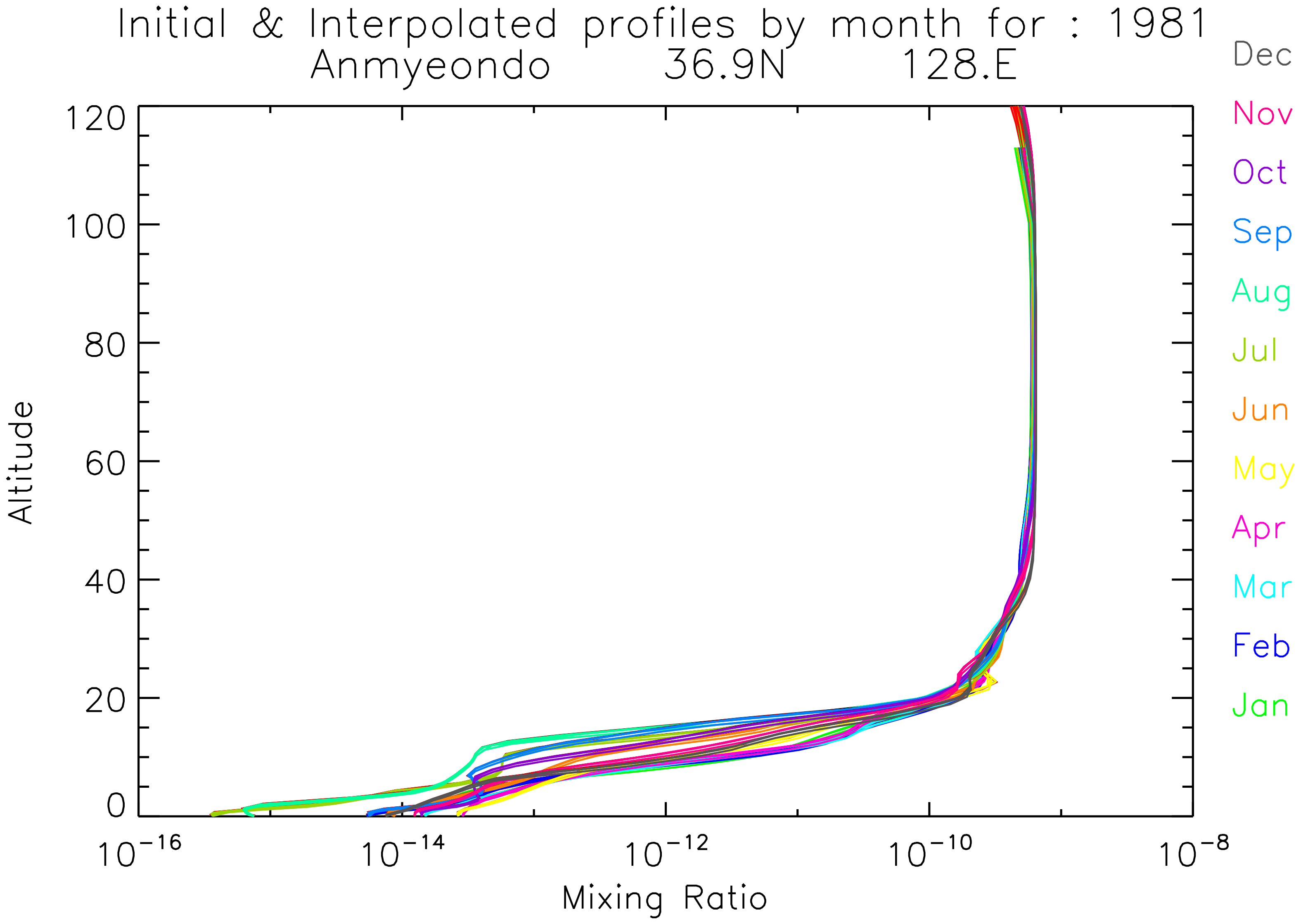
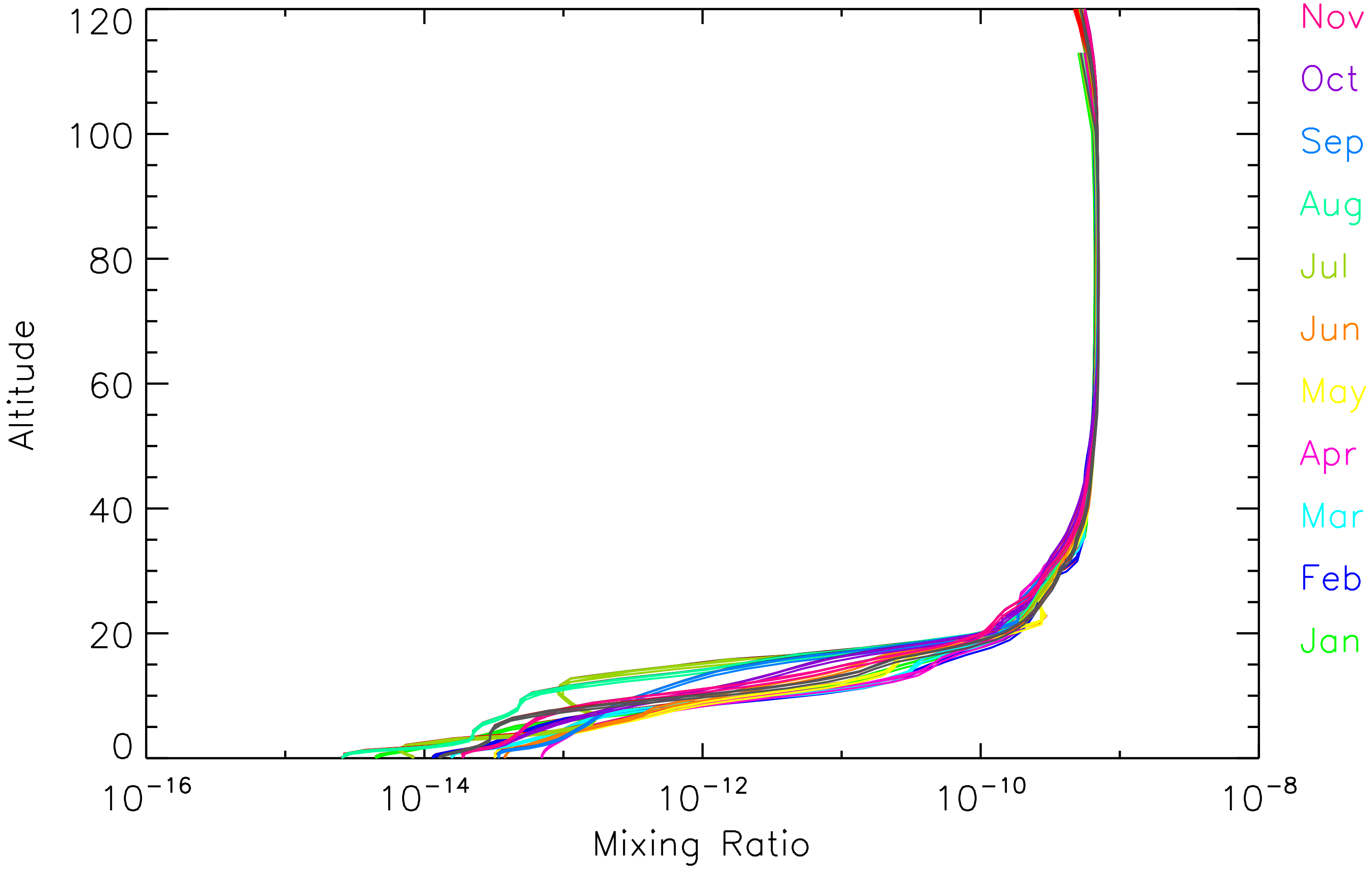


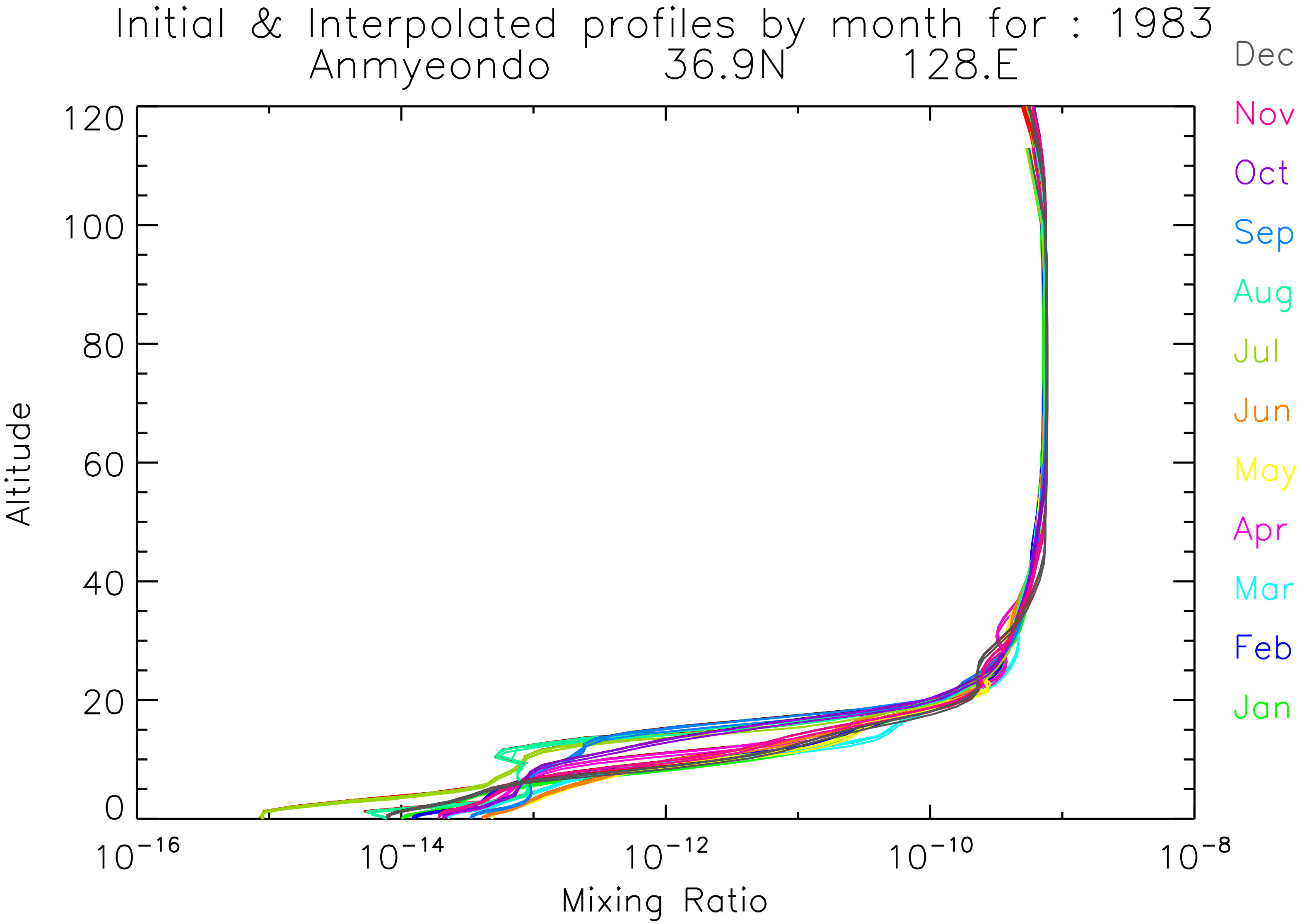
Initial & Interpolated profiles by month for : 1980
Anmyeondo 36.9N 128.E



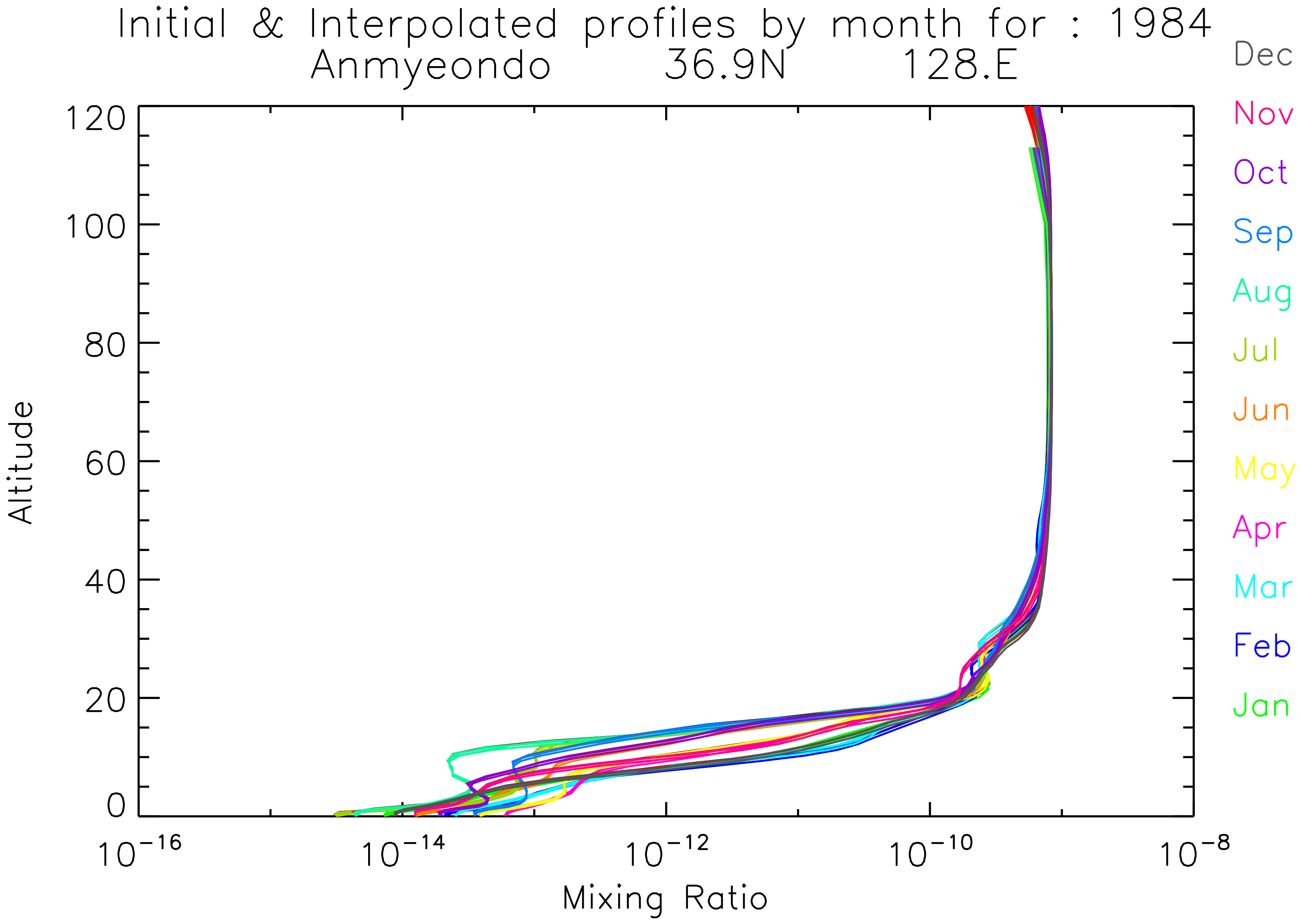
Initial & Interpolated profiles by month for : 1981
Anmyeondo 36.9N 128.E



Initial & Interpolated profiles by month for : 1982
Anmyeondo 36.9N 128.E

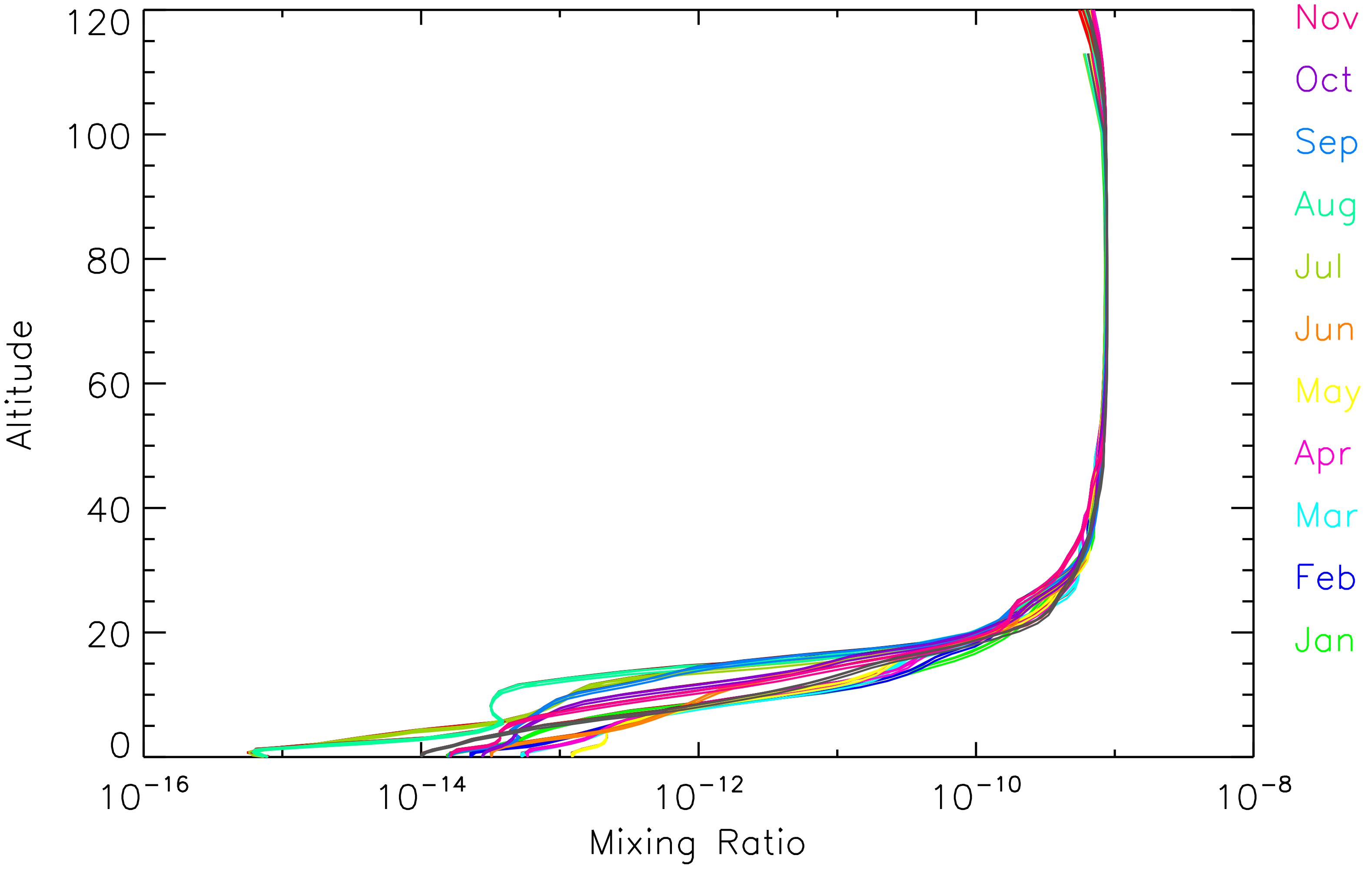


Initial & Interpolated profiles by month for : 1983
Anmyeondo 36.9N 128.E

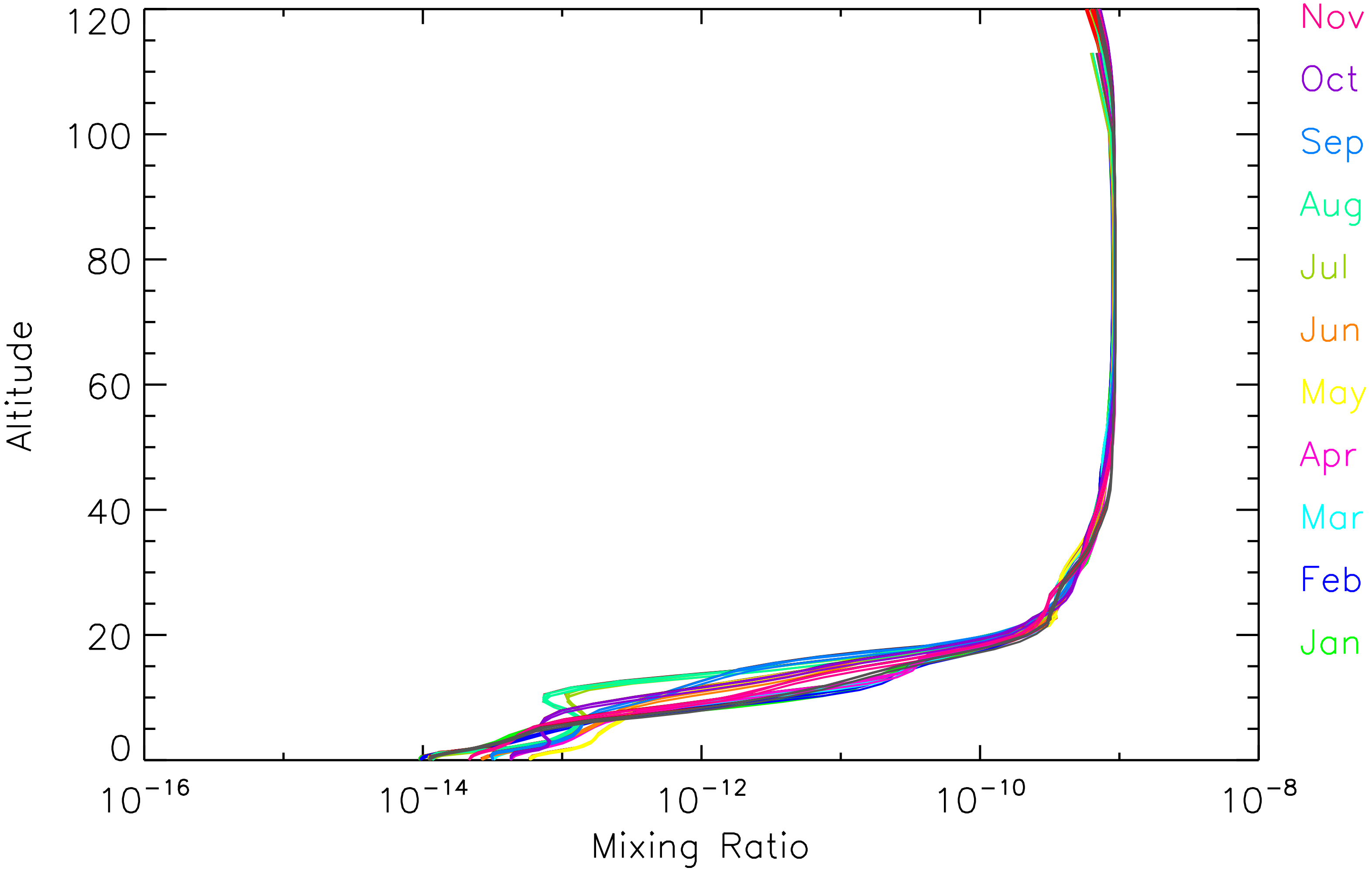


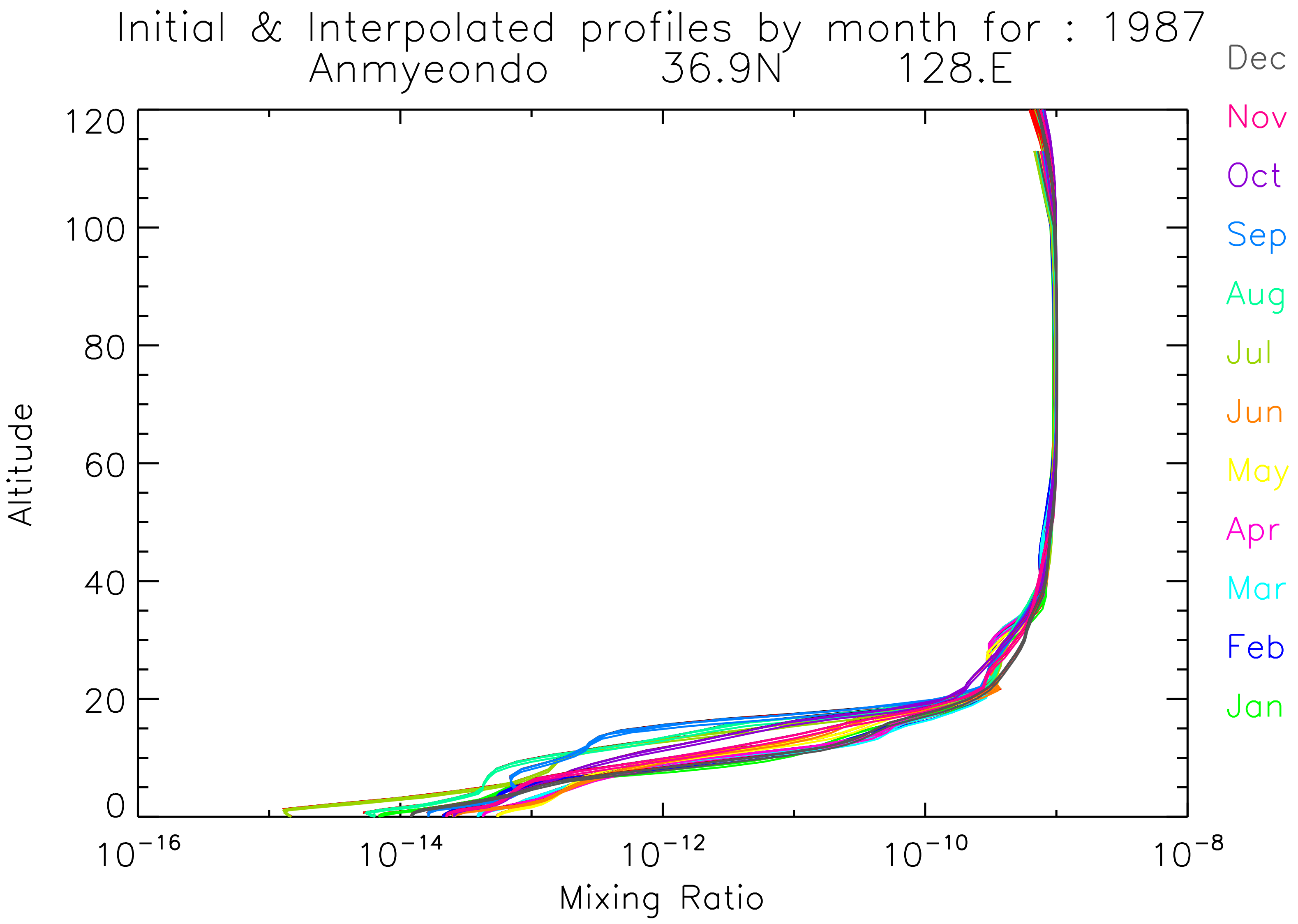
Initial & Interpolated profiles by month for : 1984
Anmyeondo 36.9N 128.E

Initial & Interpolated profiles by month for : 1985
Anmyeondo 36.9N 128.E

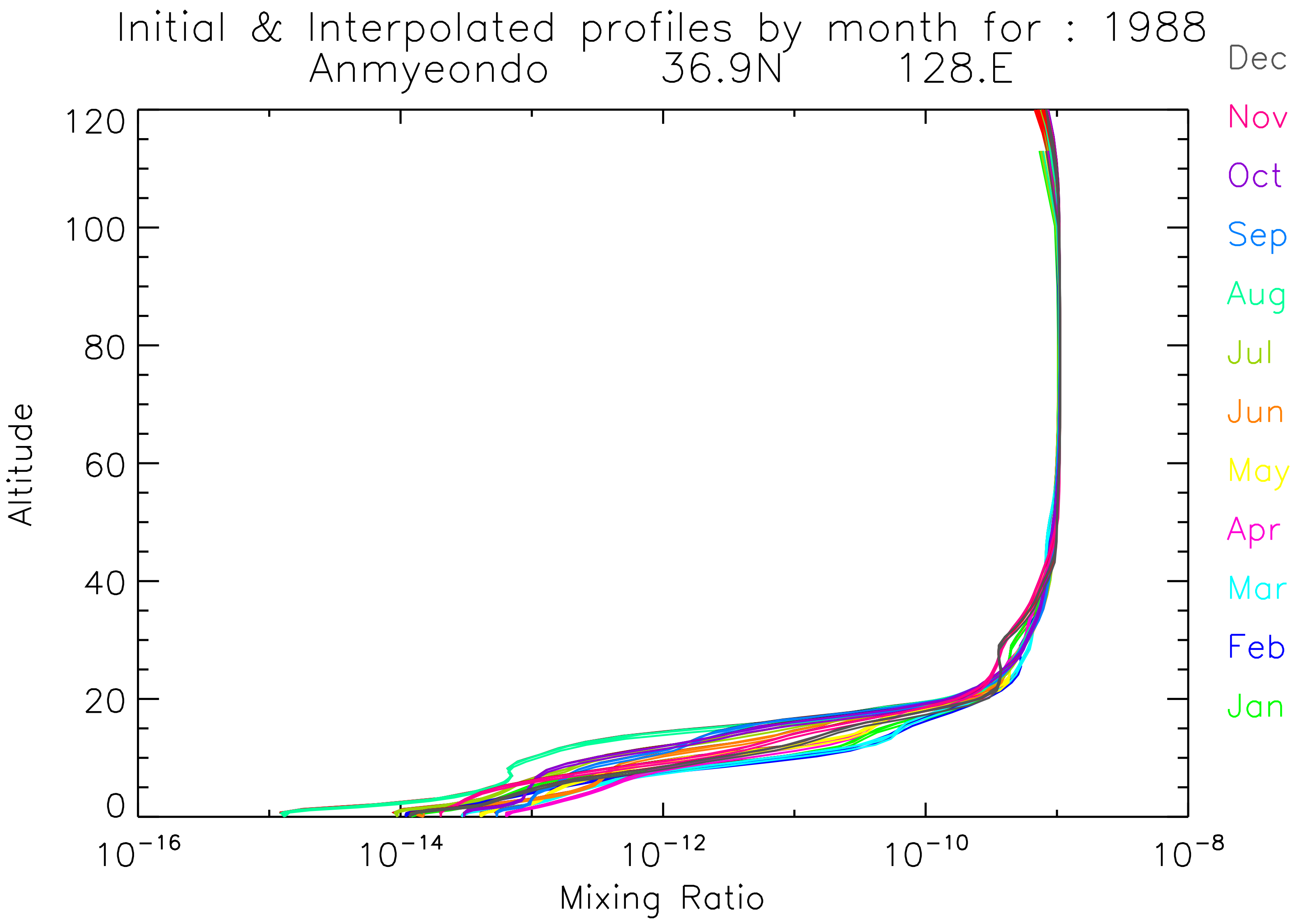


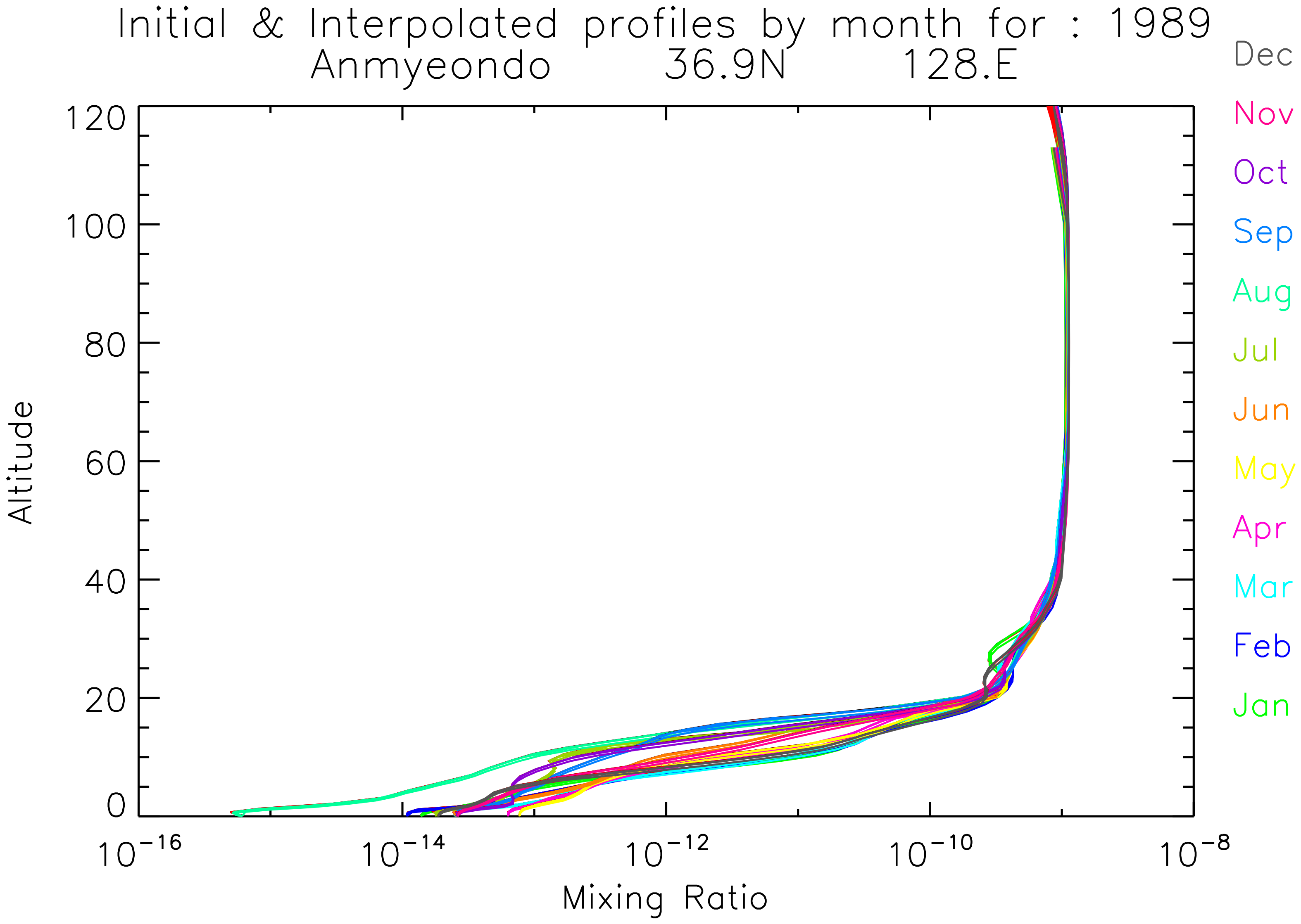
Initial & Interpolated profiles by month for : 1986
Anmyeondo 36.9N 128.E

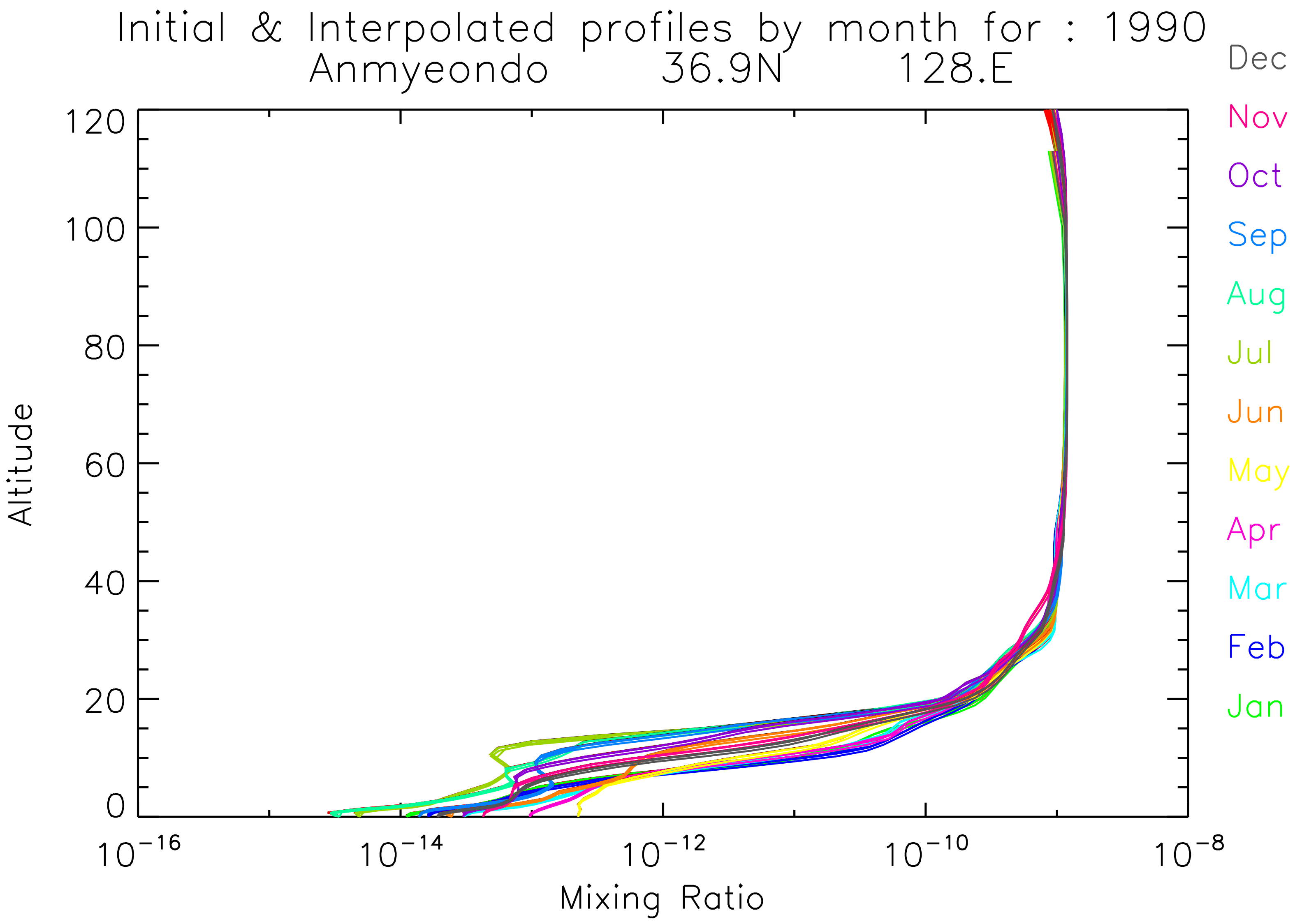


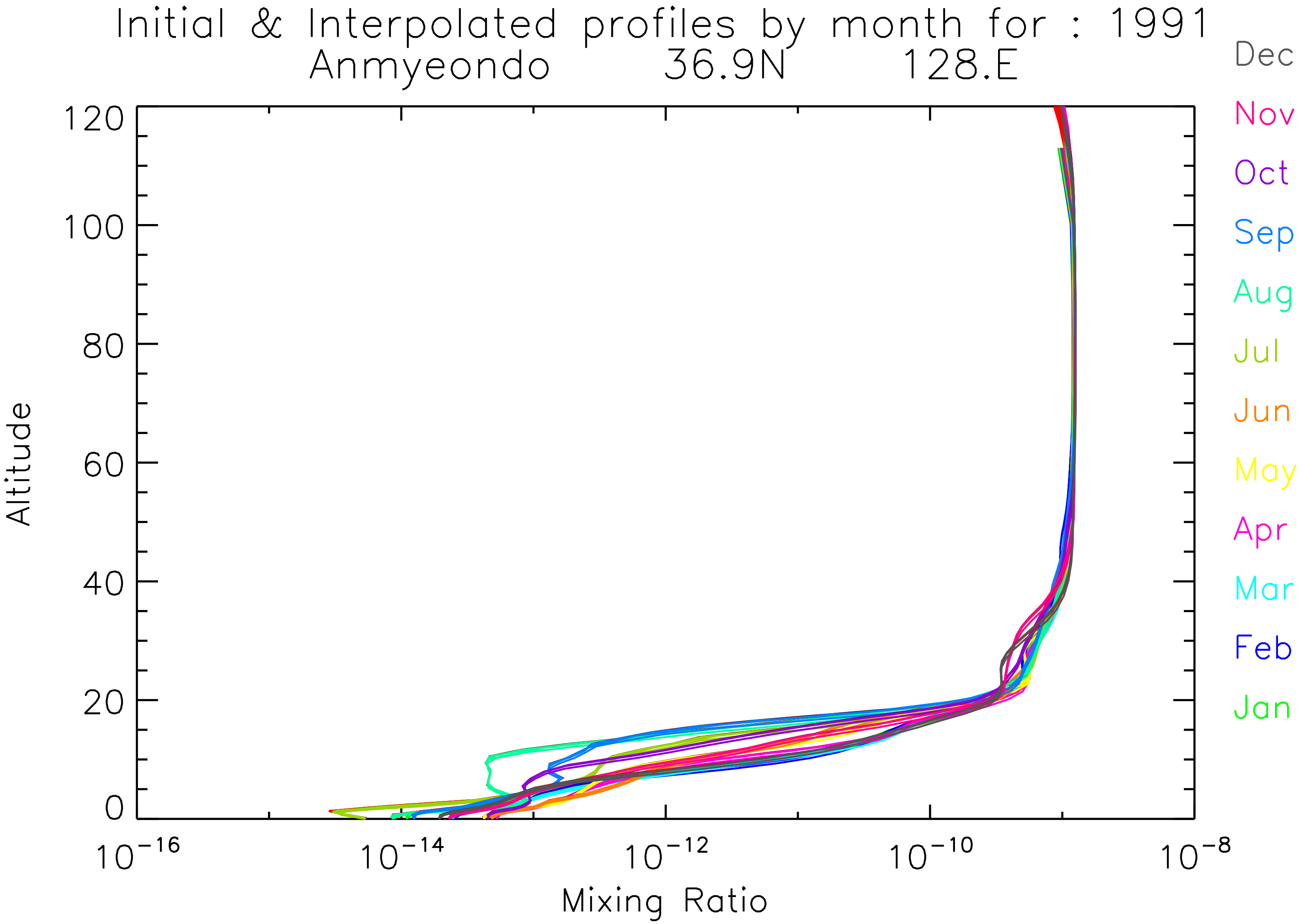


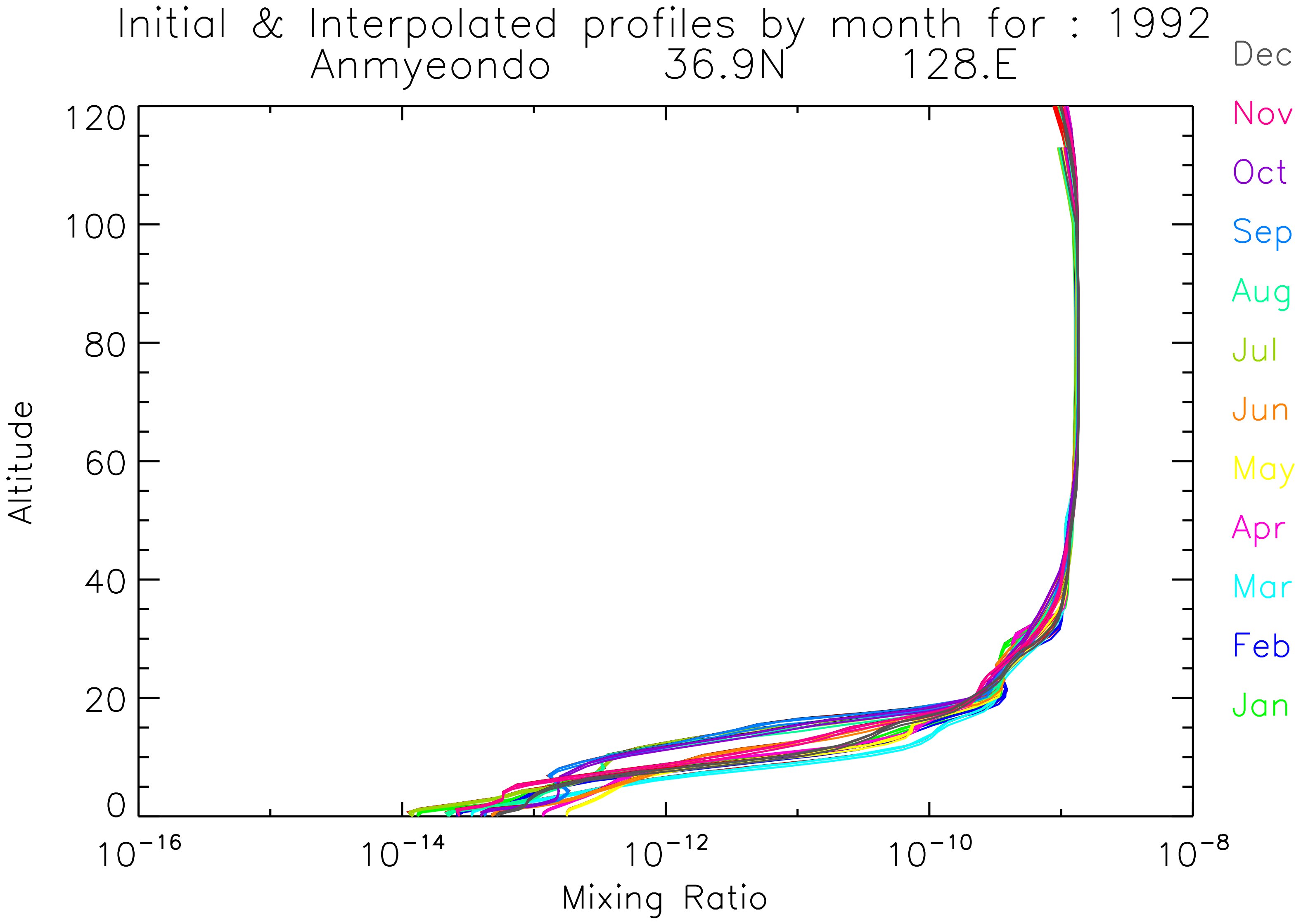
Initial & Interpolated profiles by month for : 1987
Anmyeondo 36.9N 128.E


Initial & Interpolated profiles by month for : 1988
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

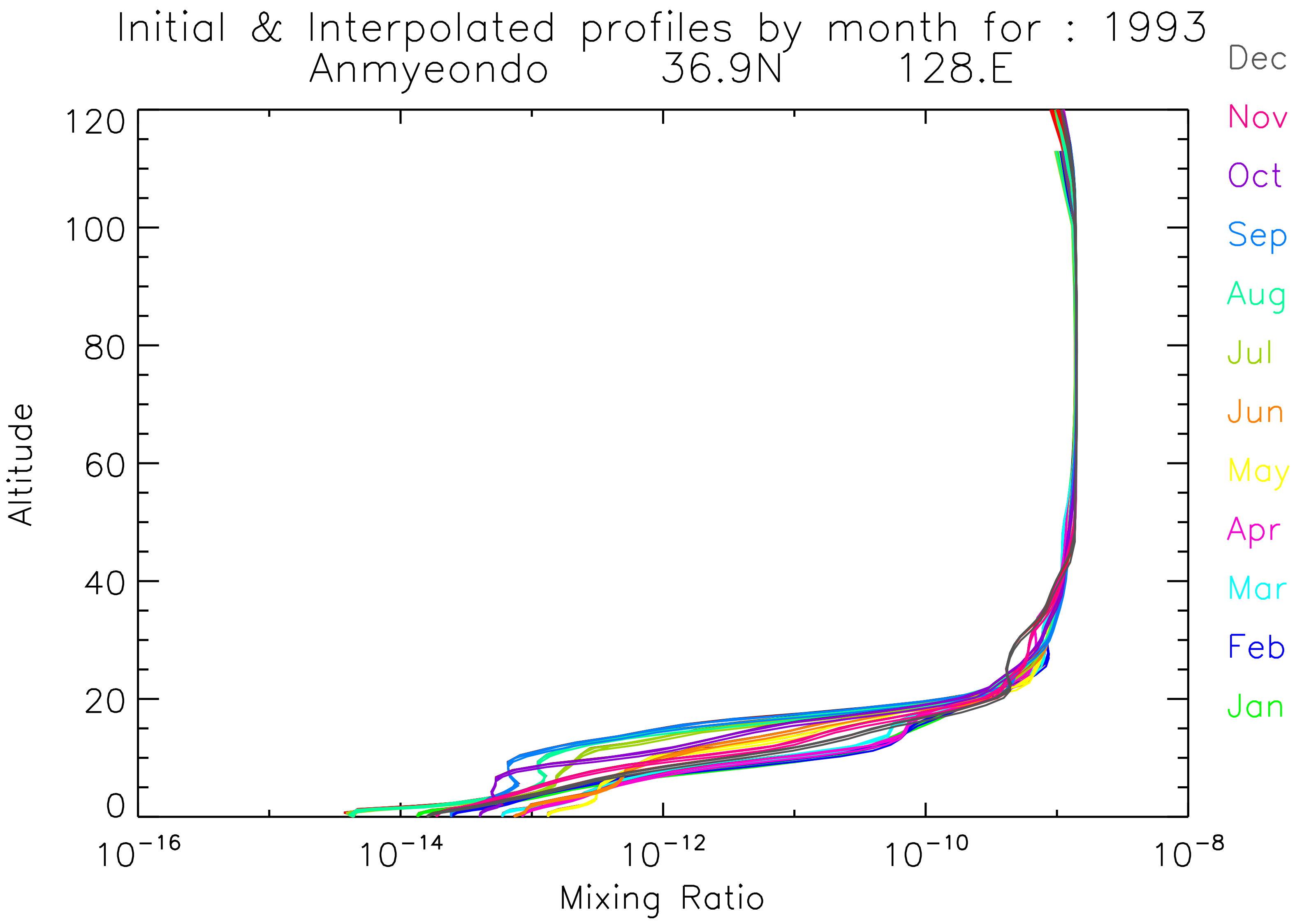

Initial & Interpolated profiles by month for : 1989
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
Mixing Ratio
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

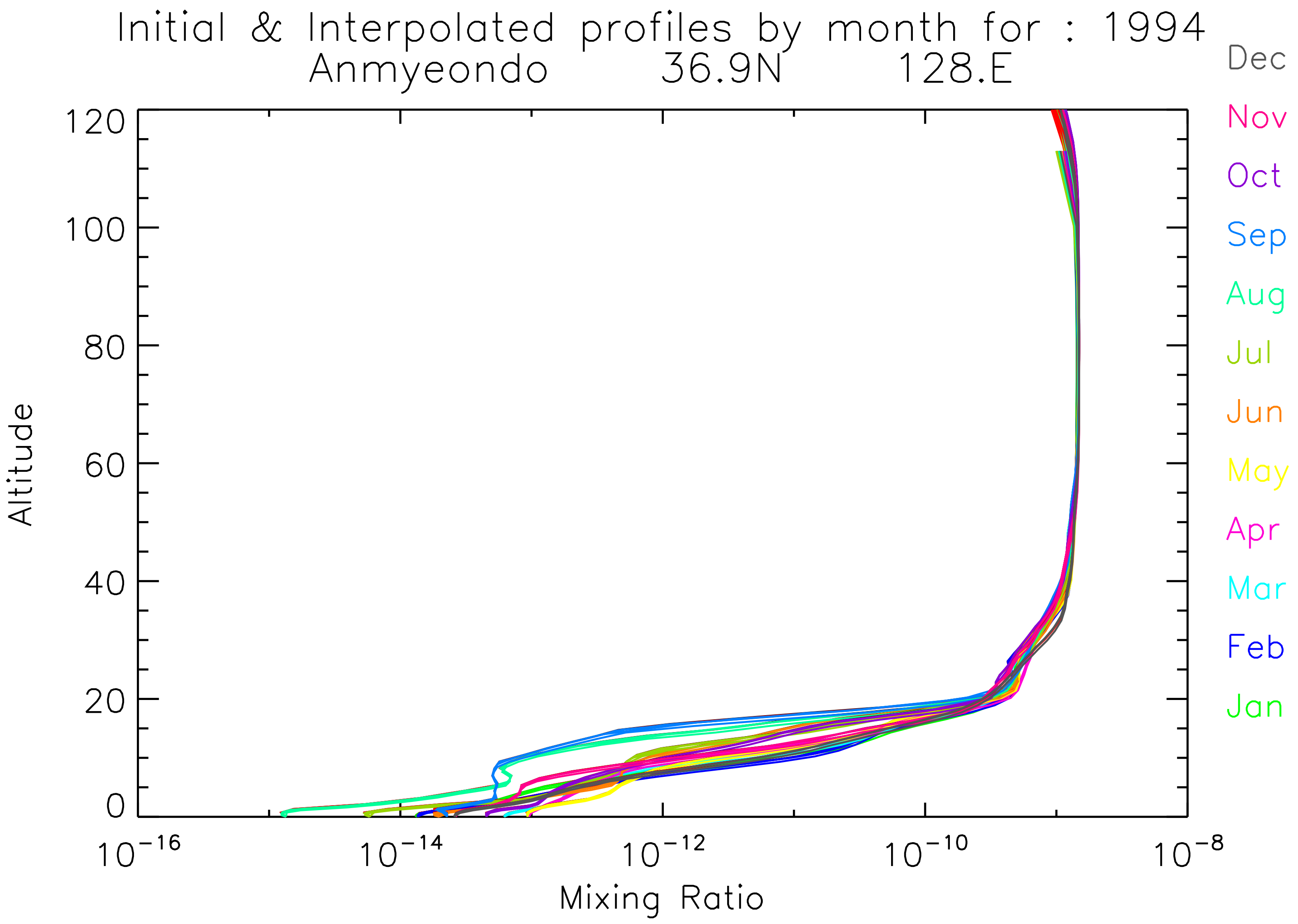

Initial & Interpolated profiles by month for : 1990
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

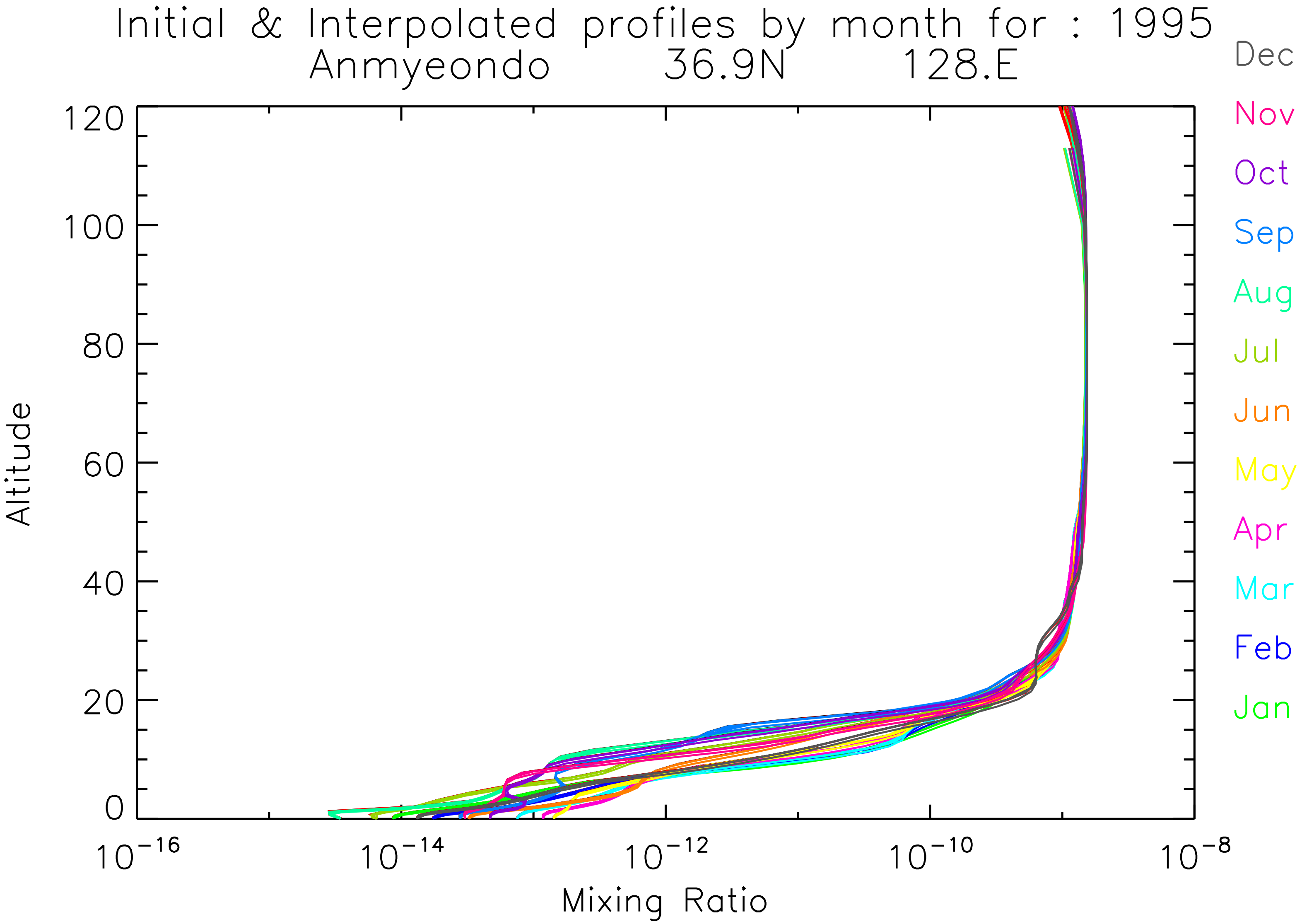

Initial & Interpolated profiles by month for : 1991
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

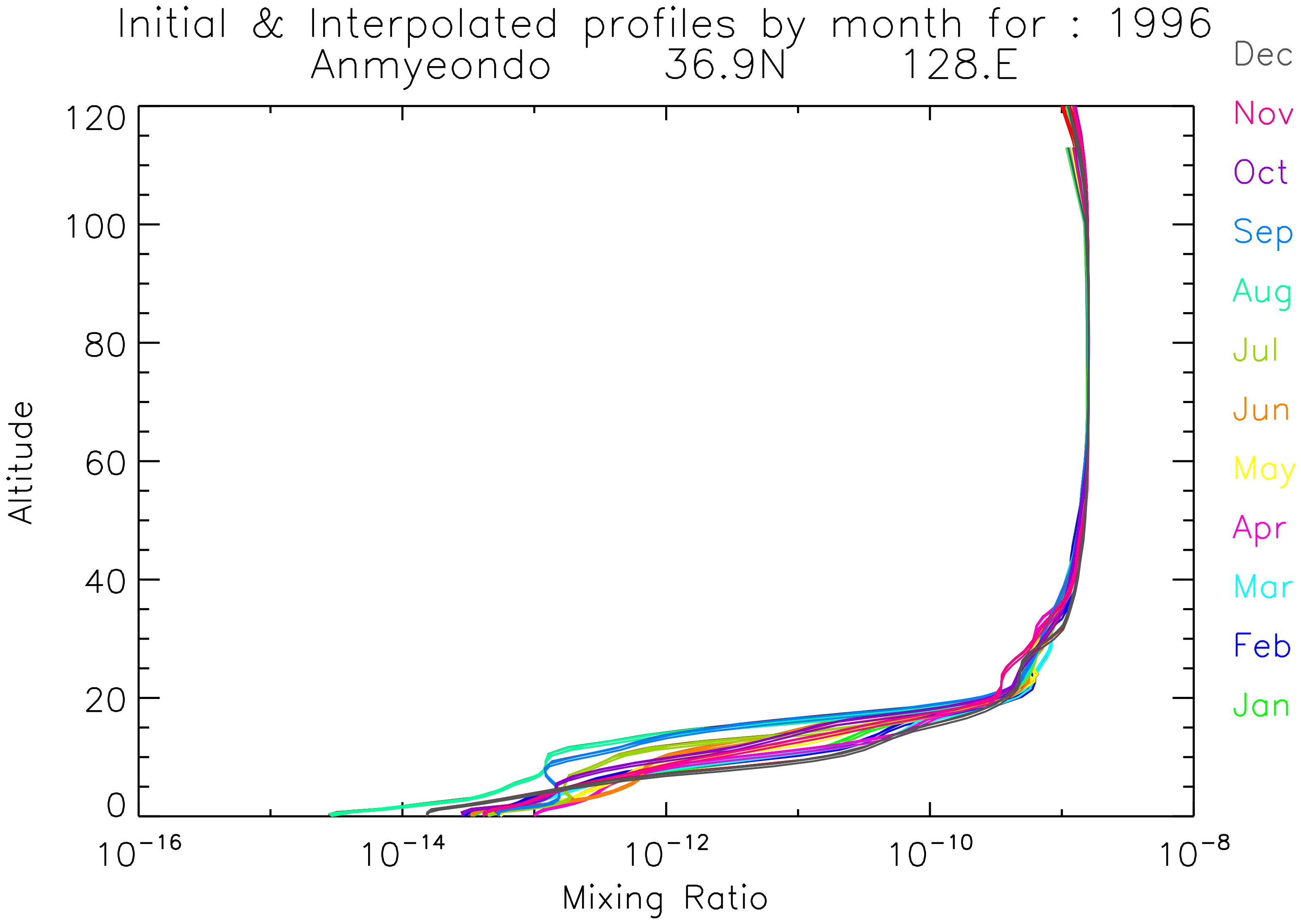


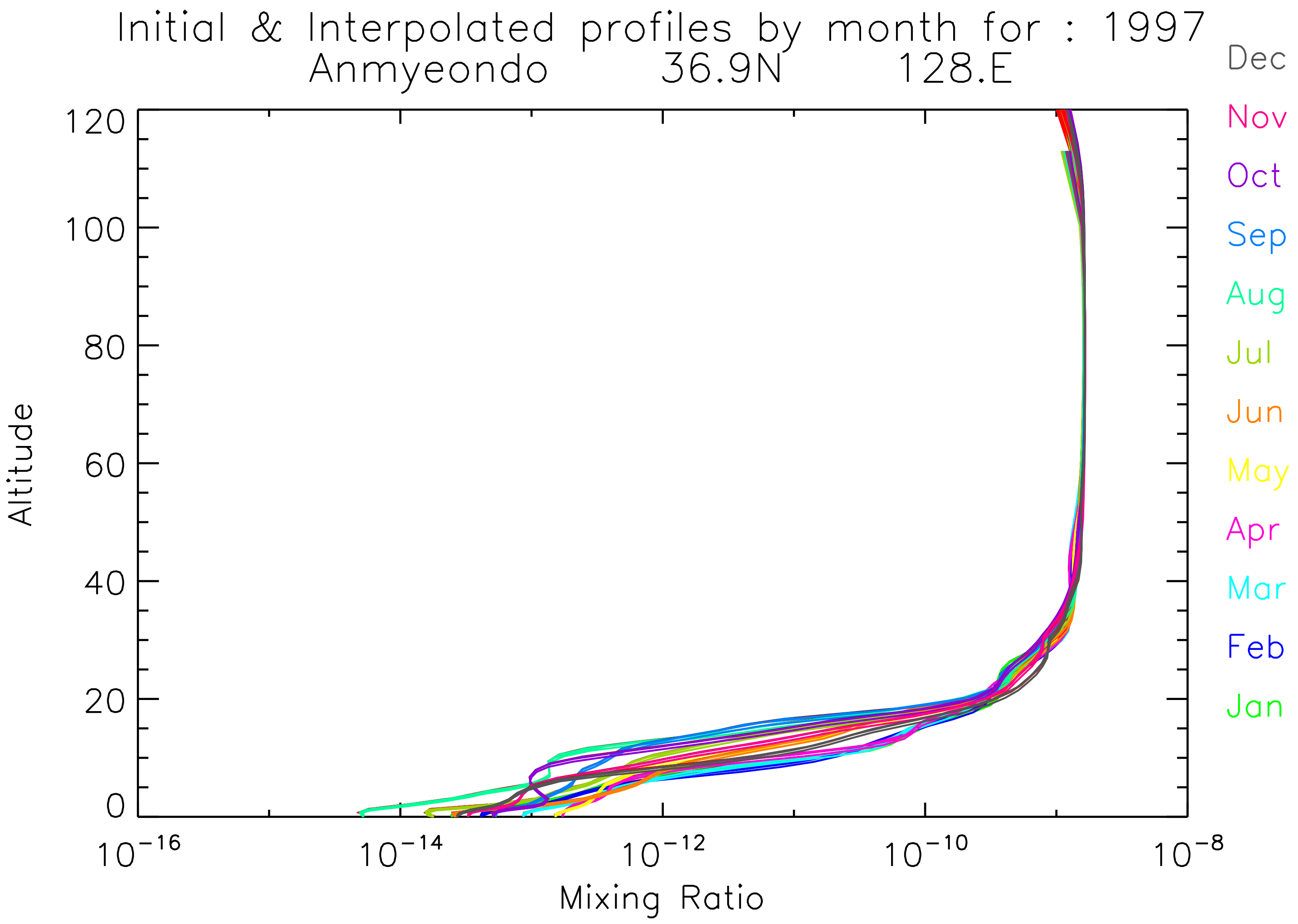
Initial & Interpolated profiles by month for : 1992
Anmyeondo 36.9N 128.E

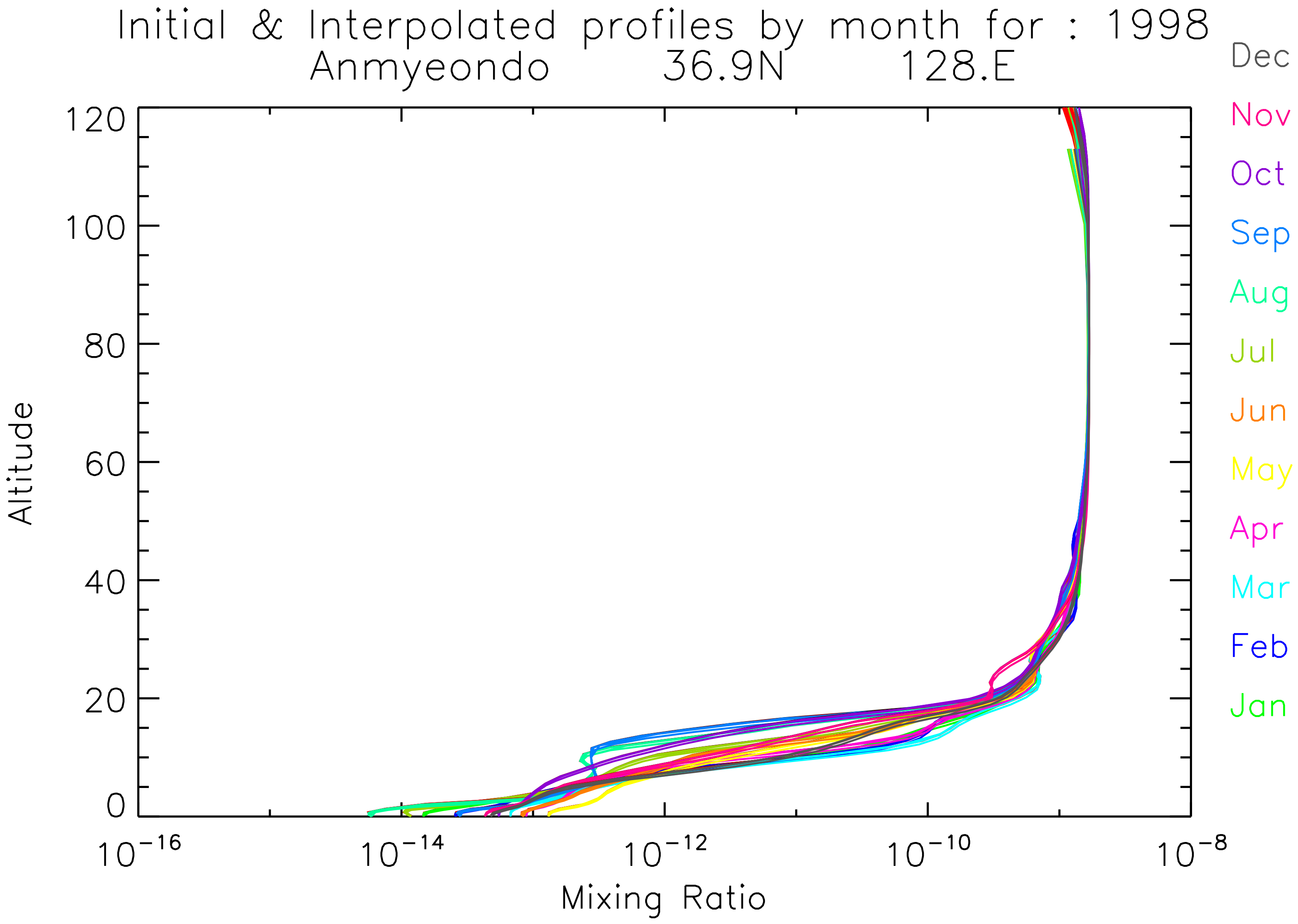

Initial & Interpolated profiles by month for : 1993
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 1994
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

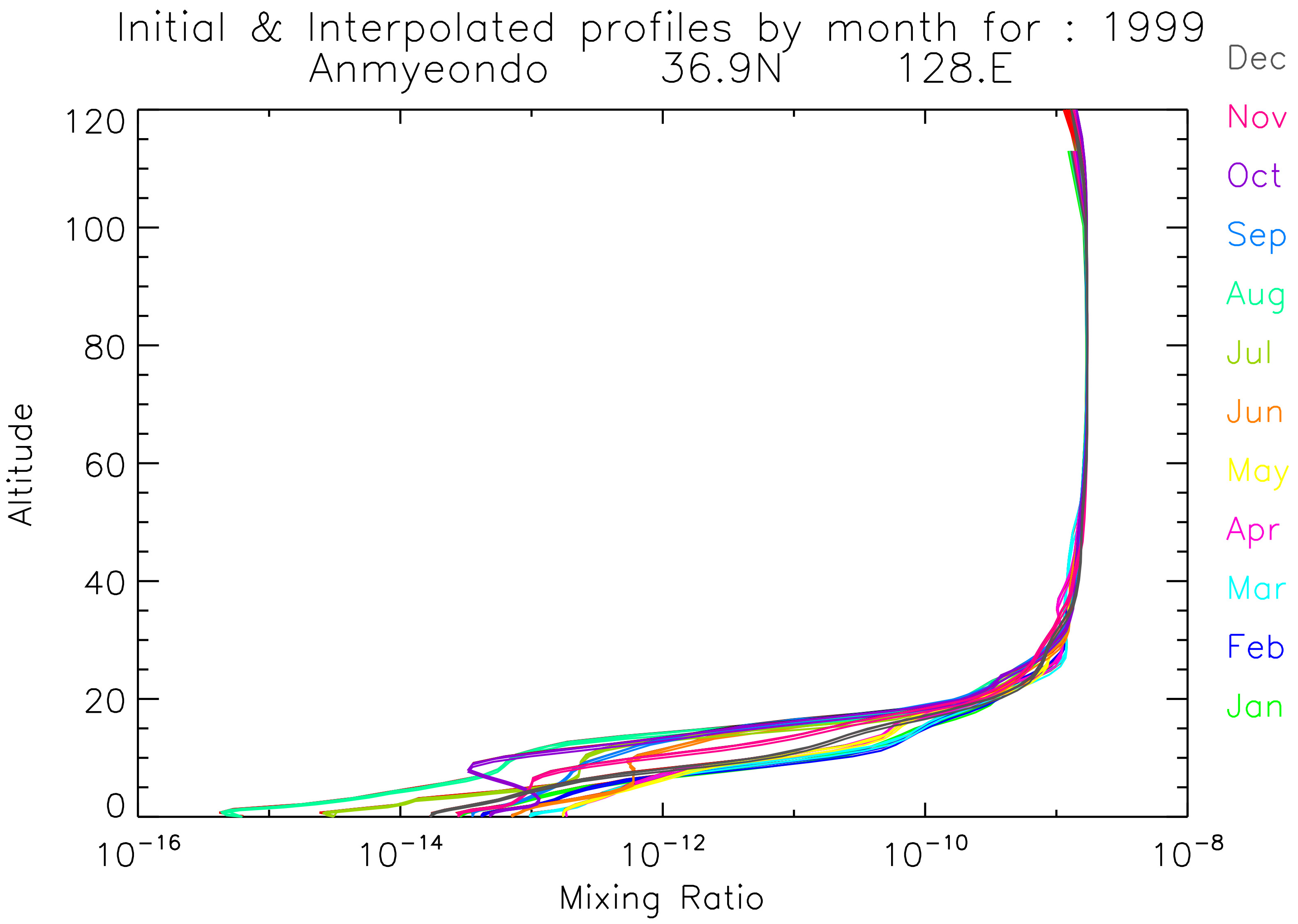

Initial & Interpolated profiles by month for : 1995
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

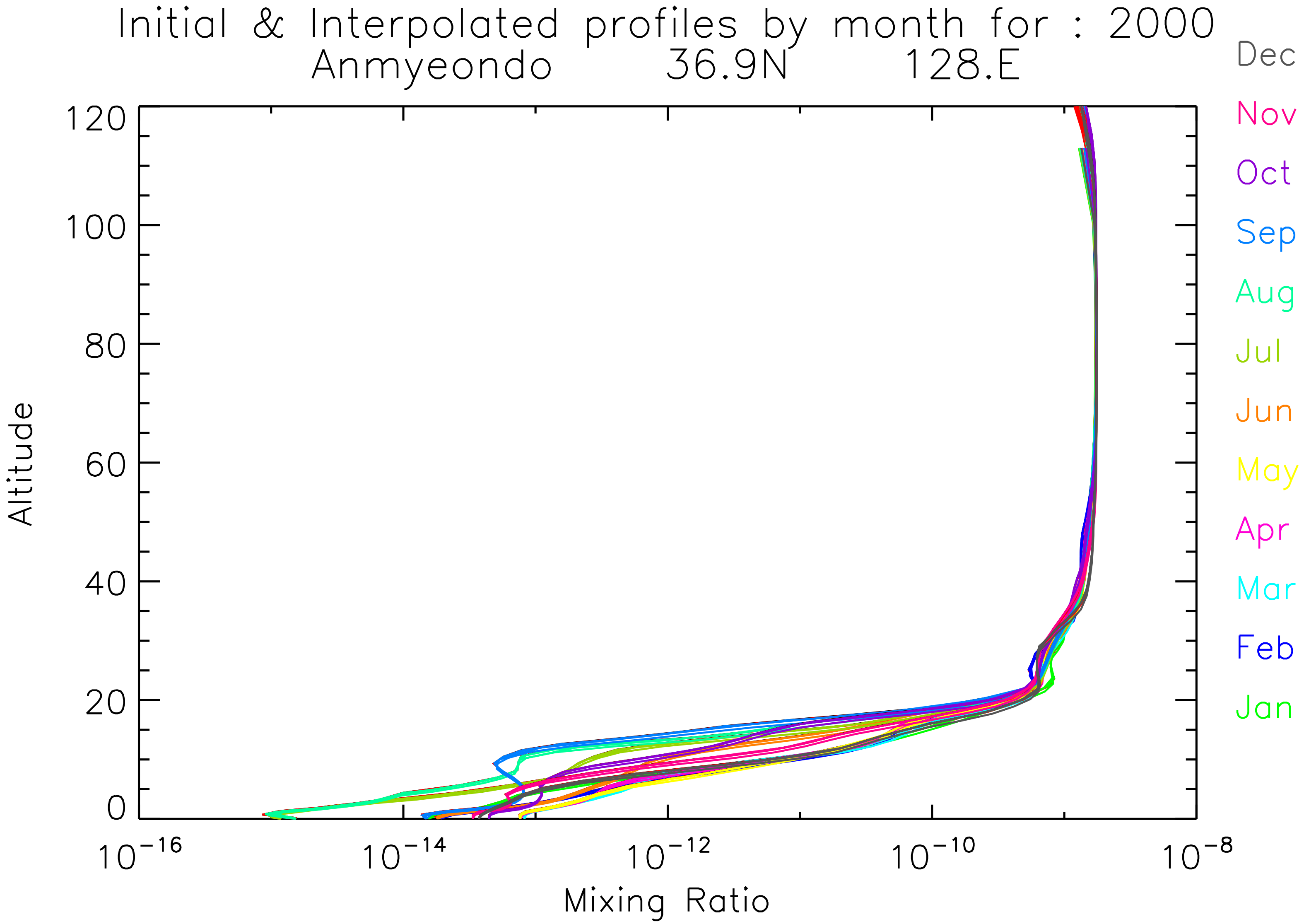

Initial & Interpolated profiles by month for : 1996
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

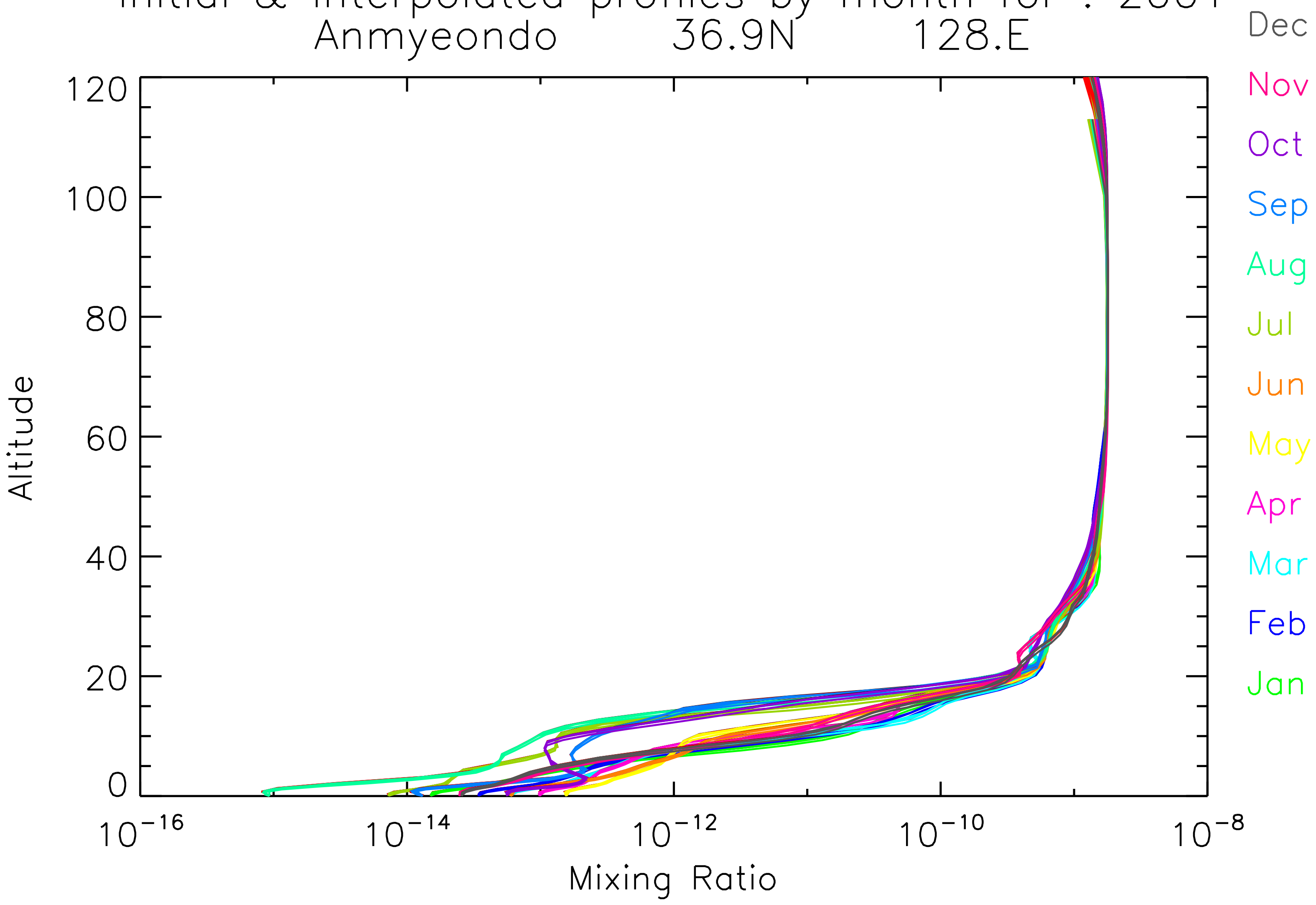

Initial & Interpolated profiles by month for : 1997
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
Mixing Ratio
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan



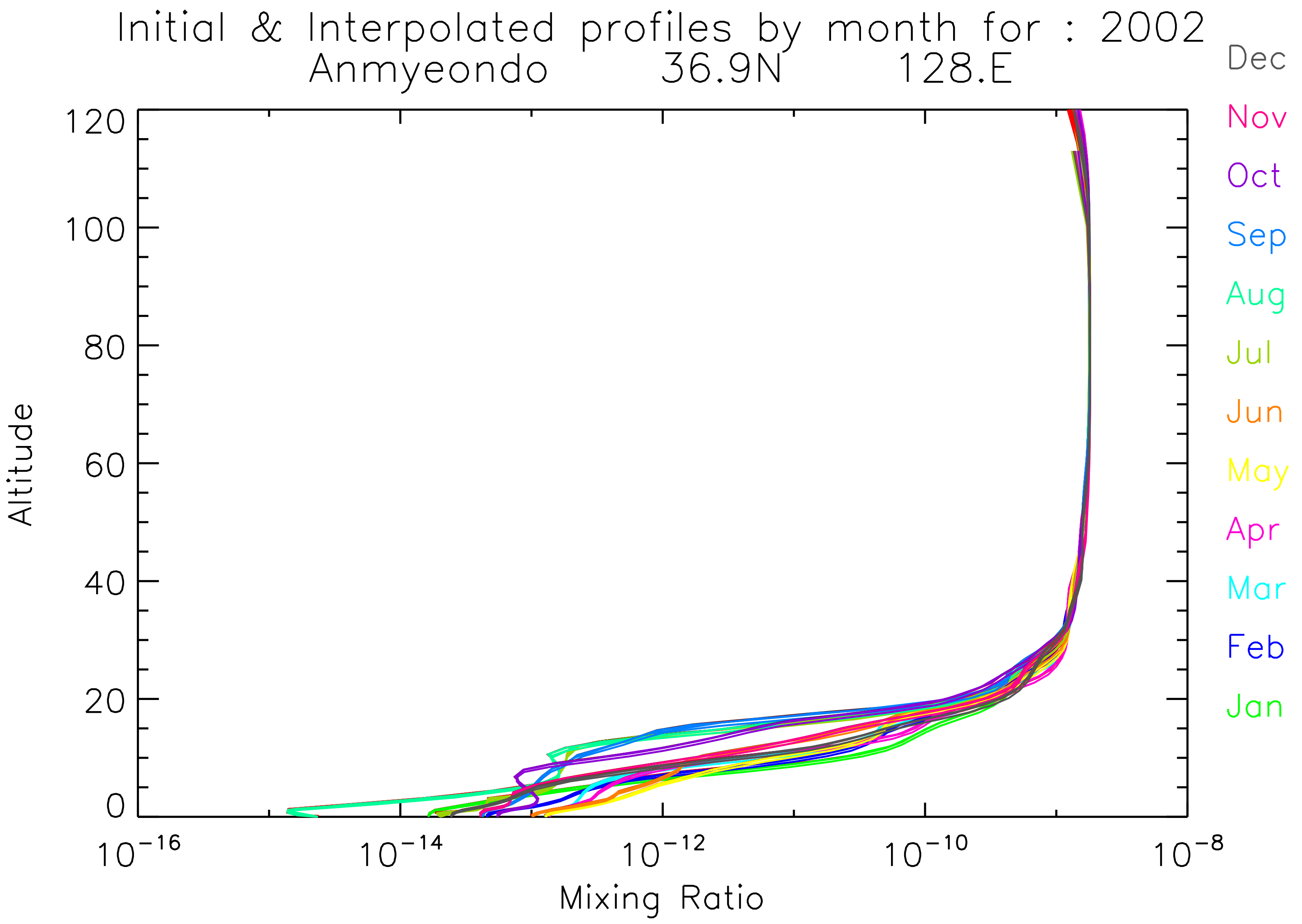
Initial & Interpolated profiles by month for : 1998
Anmyeondo 36.9N 128.E

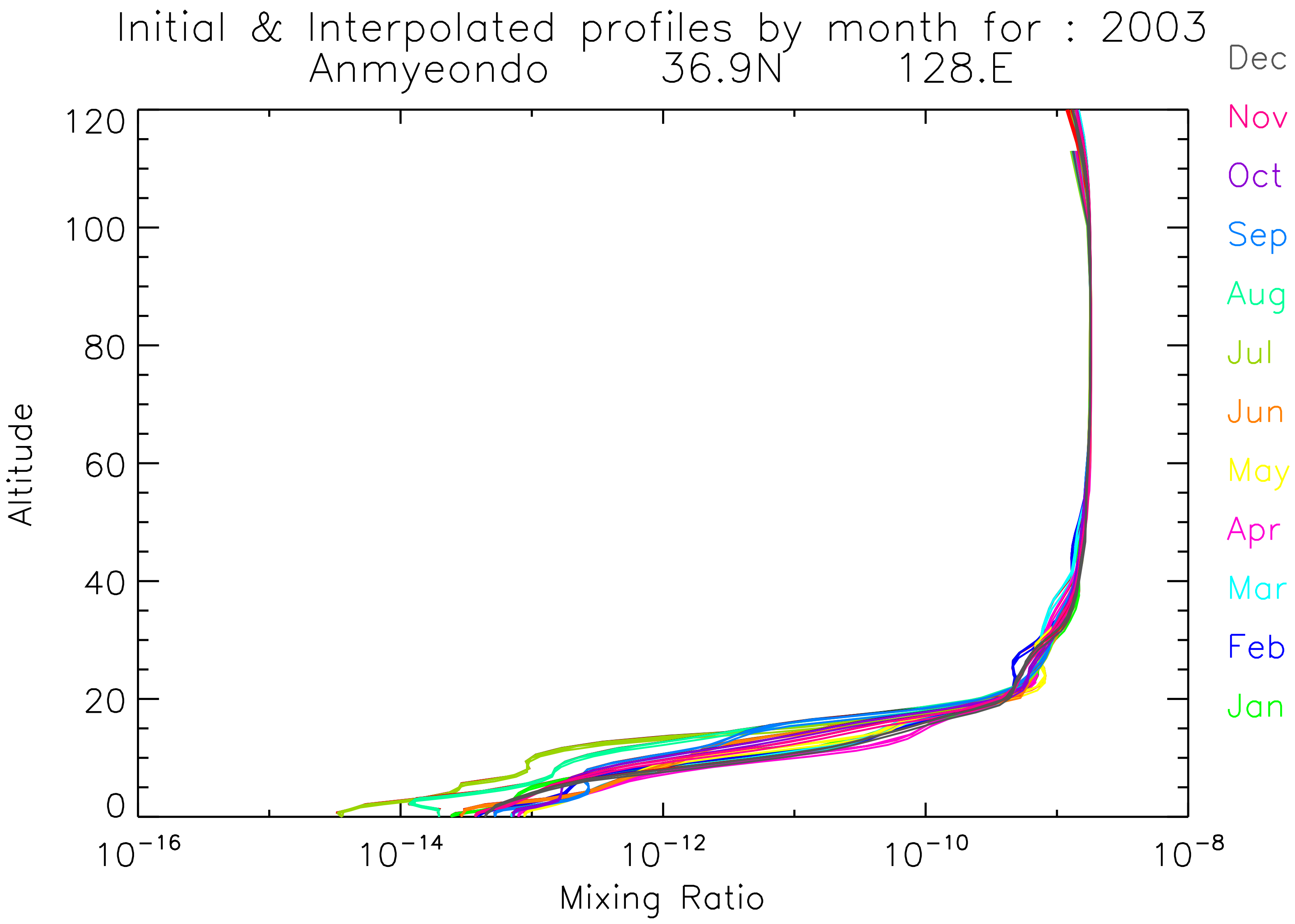

Initial & Interpolated profiles by month for : 1999
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2000
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
Mixing Ratio
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

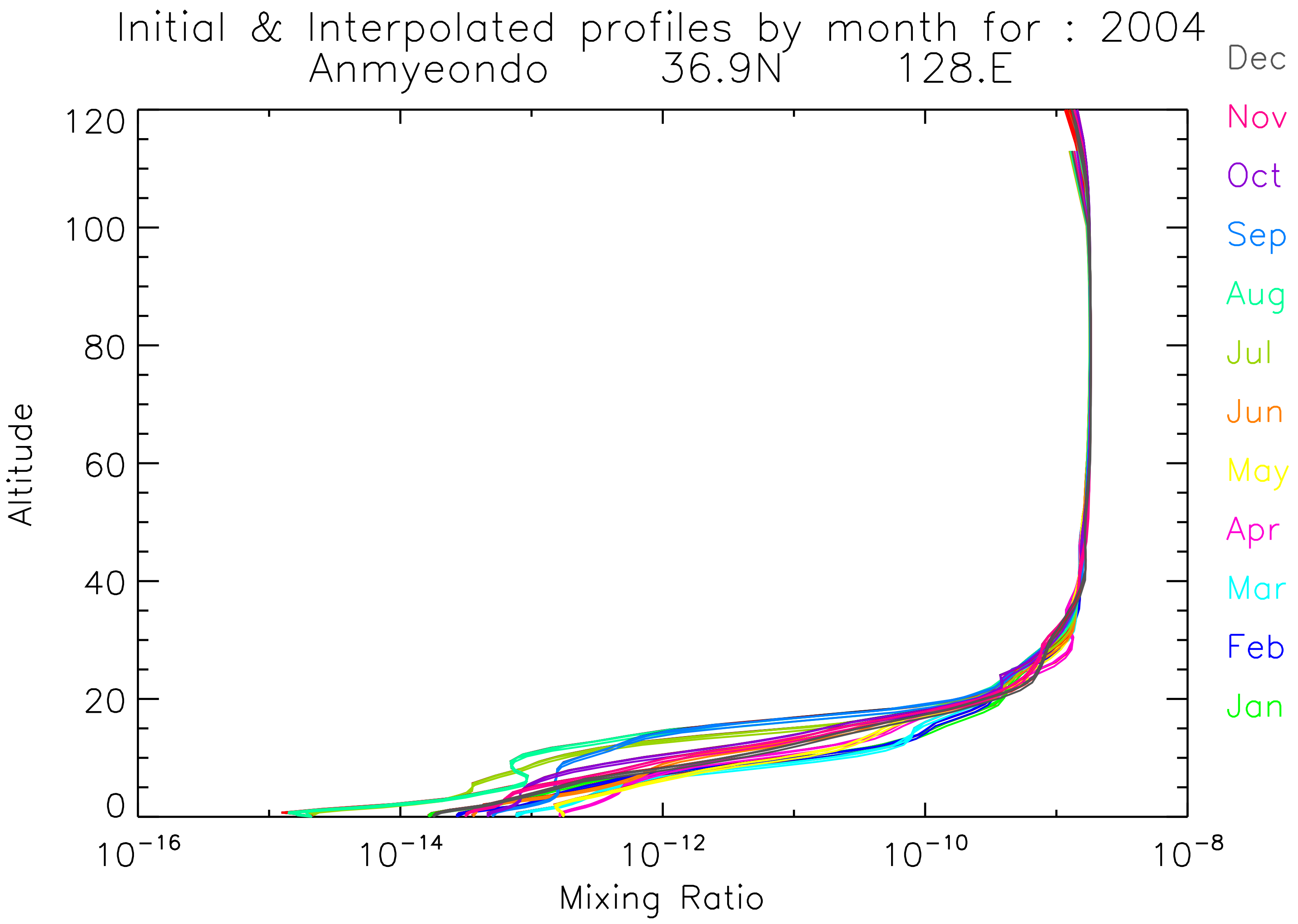


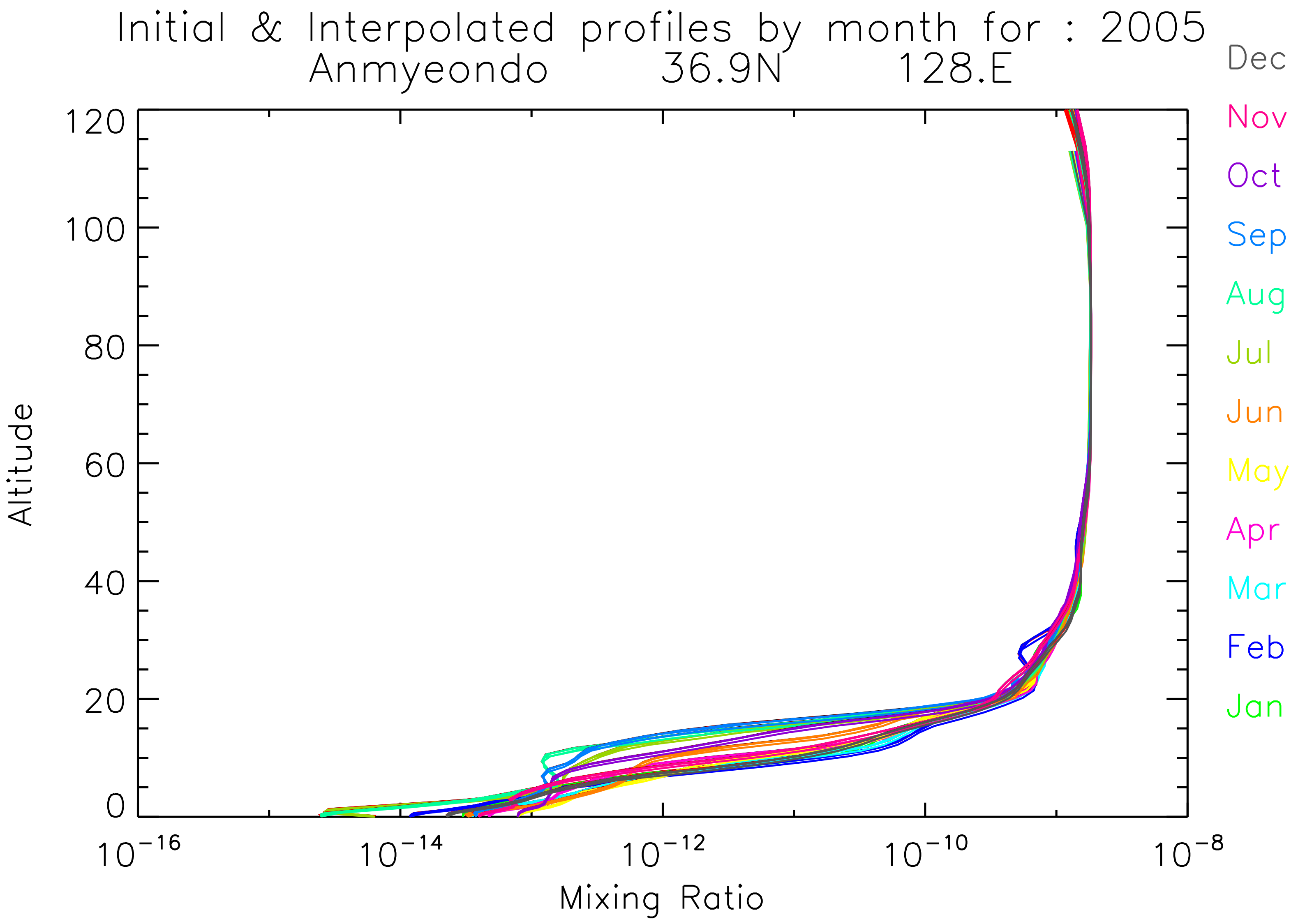
Initial & Interpolated profiles by month for : 2001
Anmyeondo 36.9N 128.E

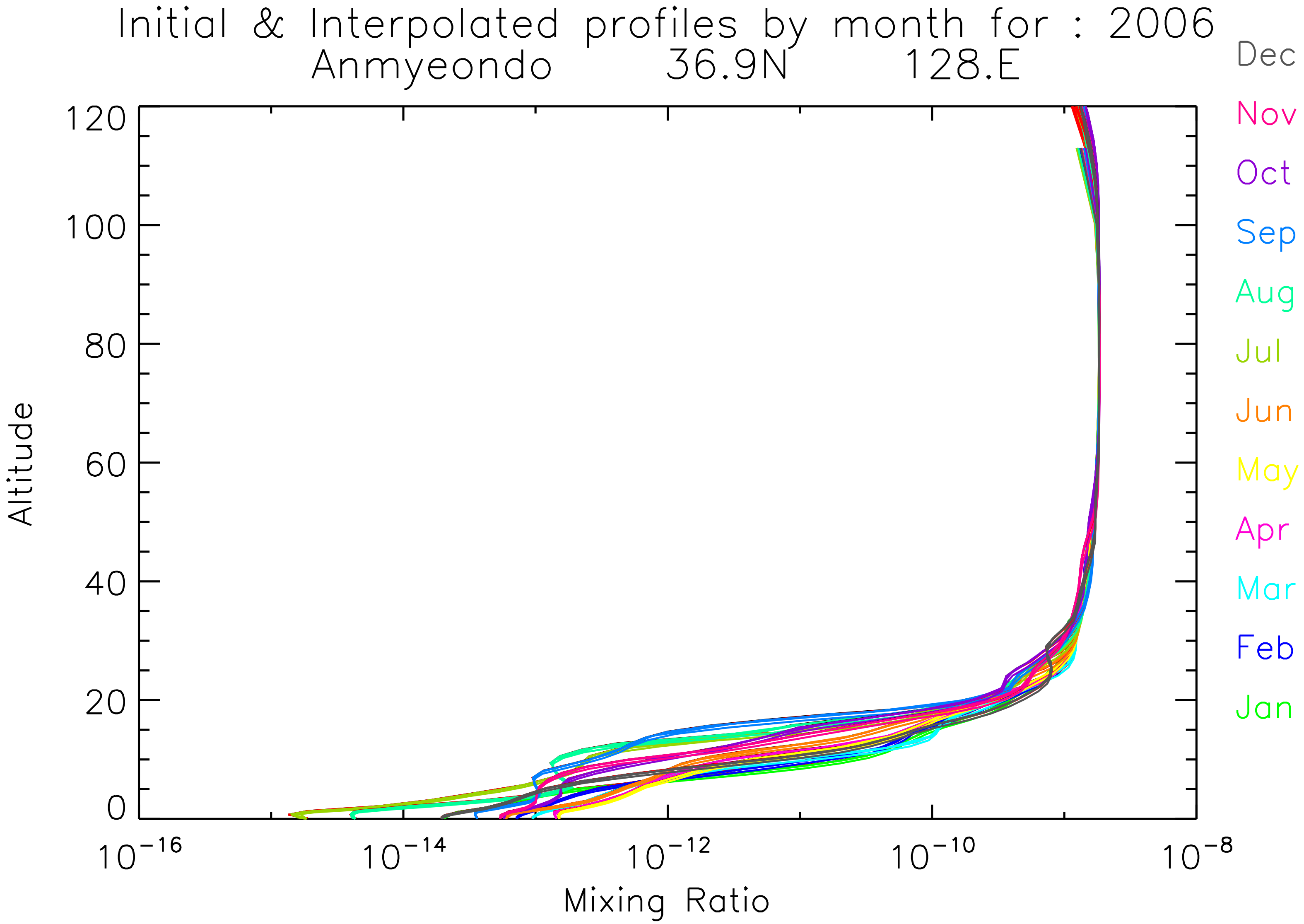

Initial & Interpolated profiles by month for : 2002
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

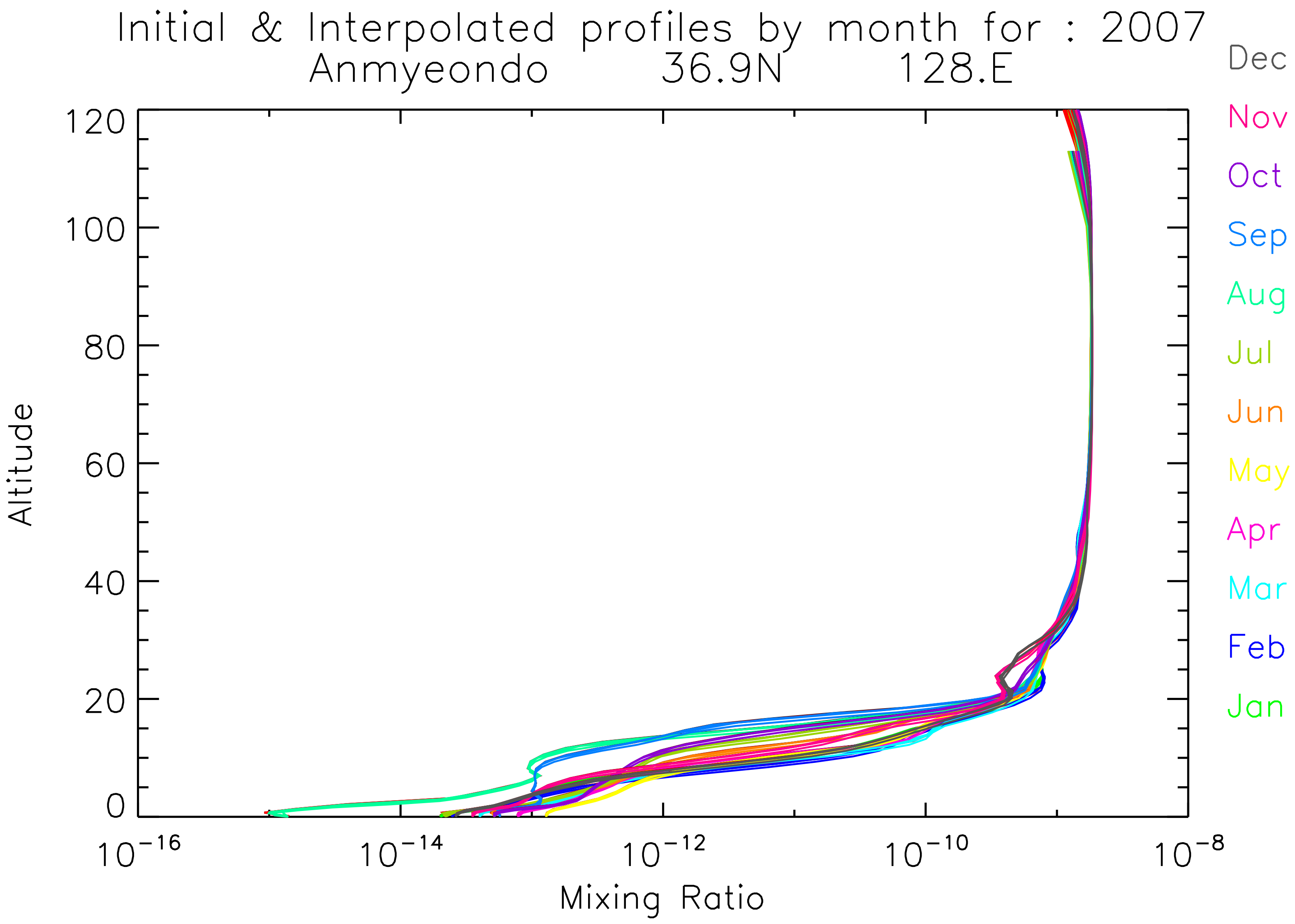


Initial & Interpolated profiles by month for : 2003
Anmyeondo 36.9N 128.E

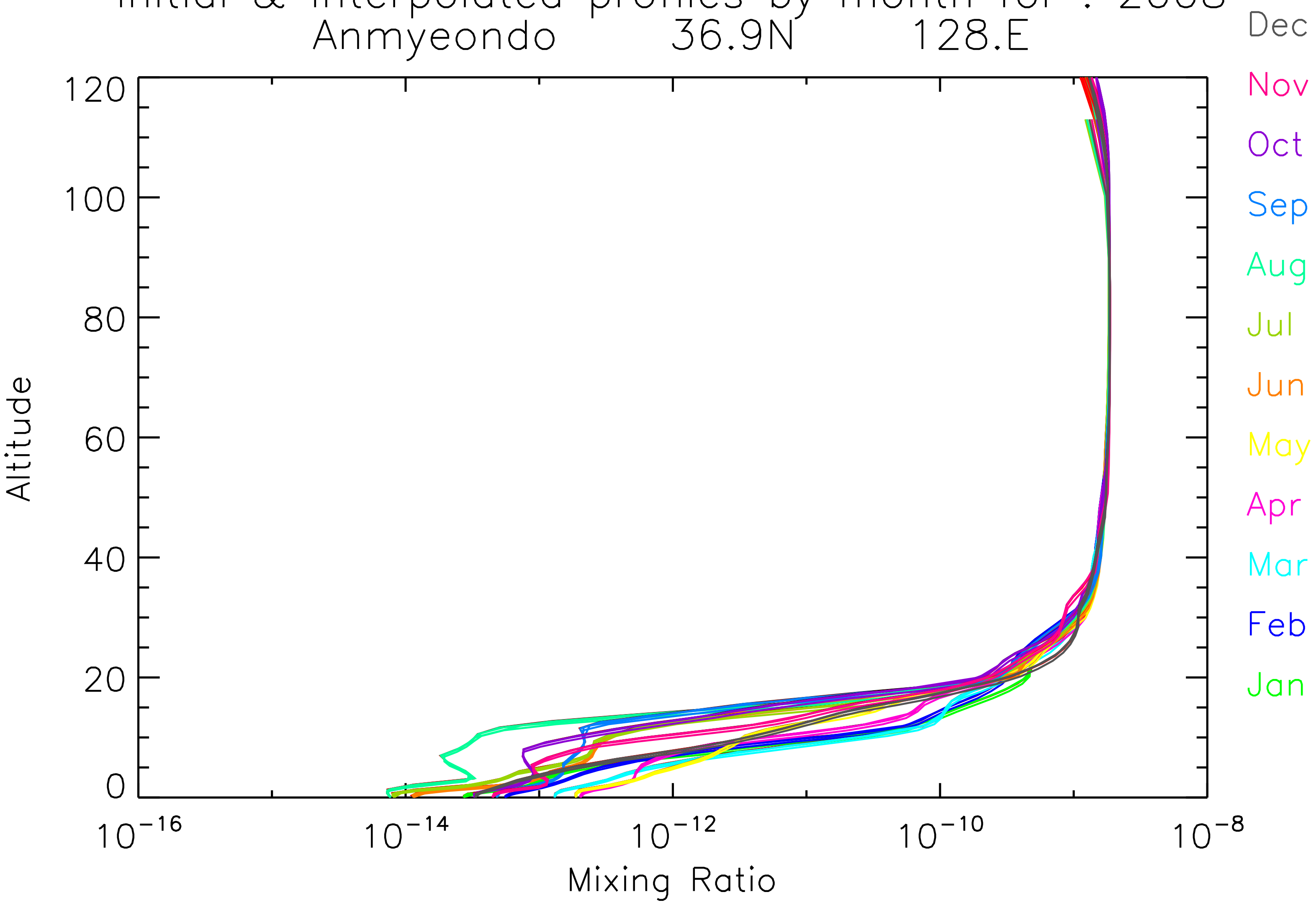

Initial & Interpolated profiles by month for : 2004
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2005
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
Mixing Ratio
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

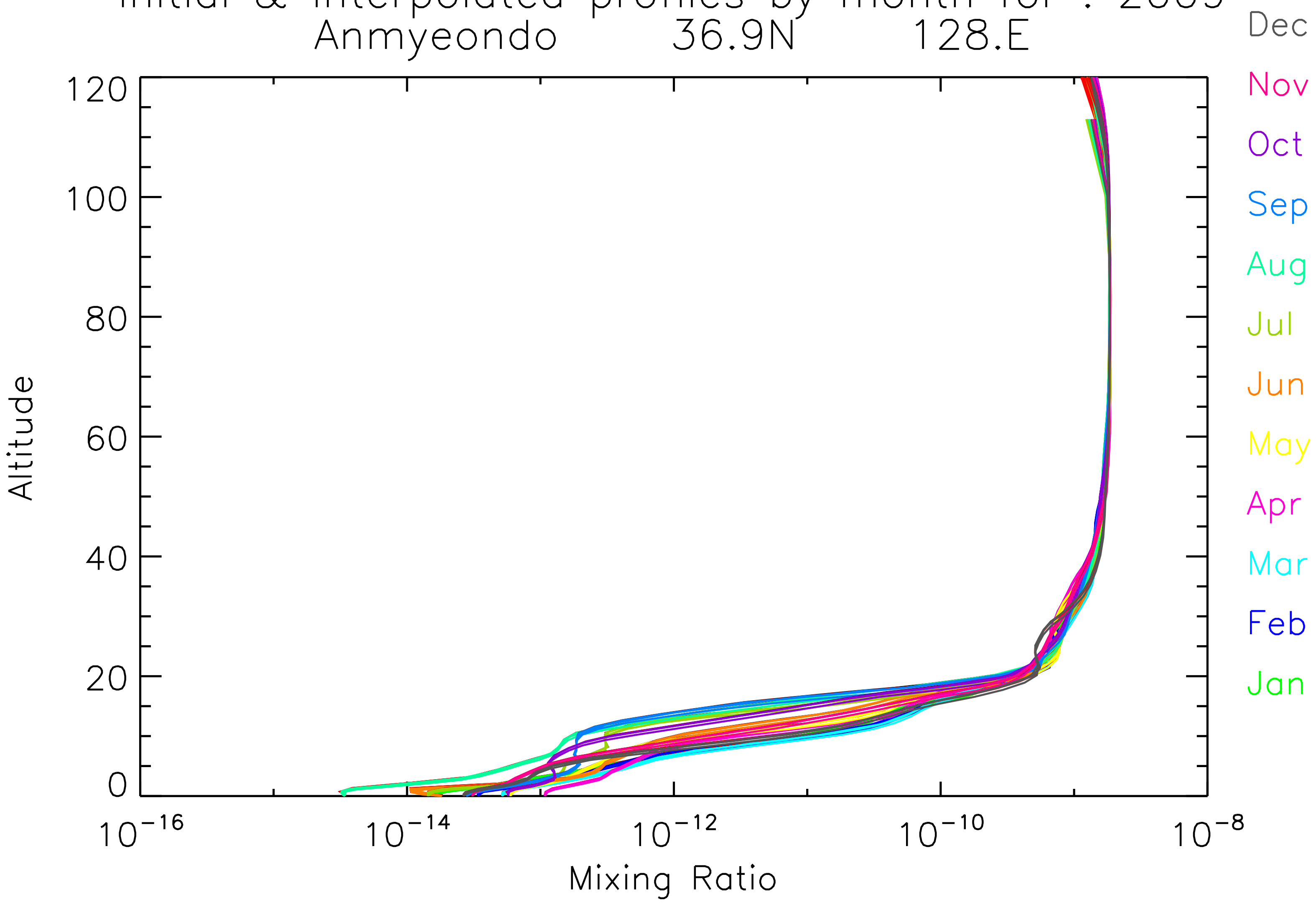

Initial & Interpolated profiles by month for : 2006
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

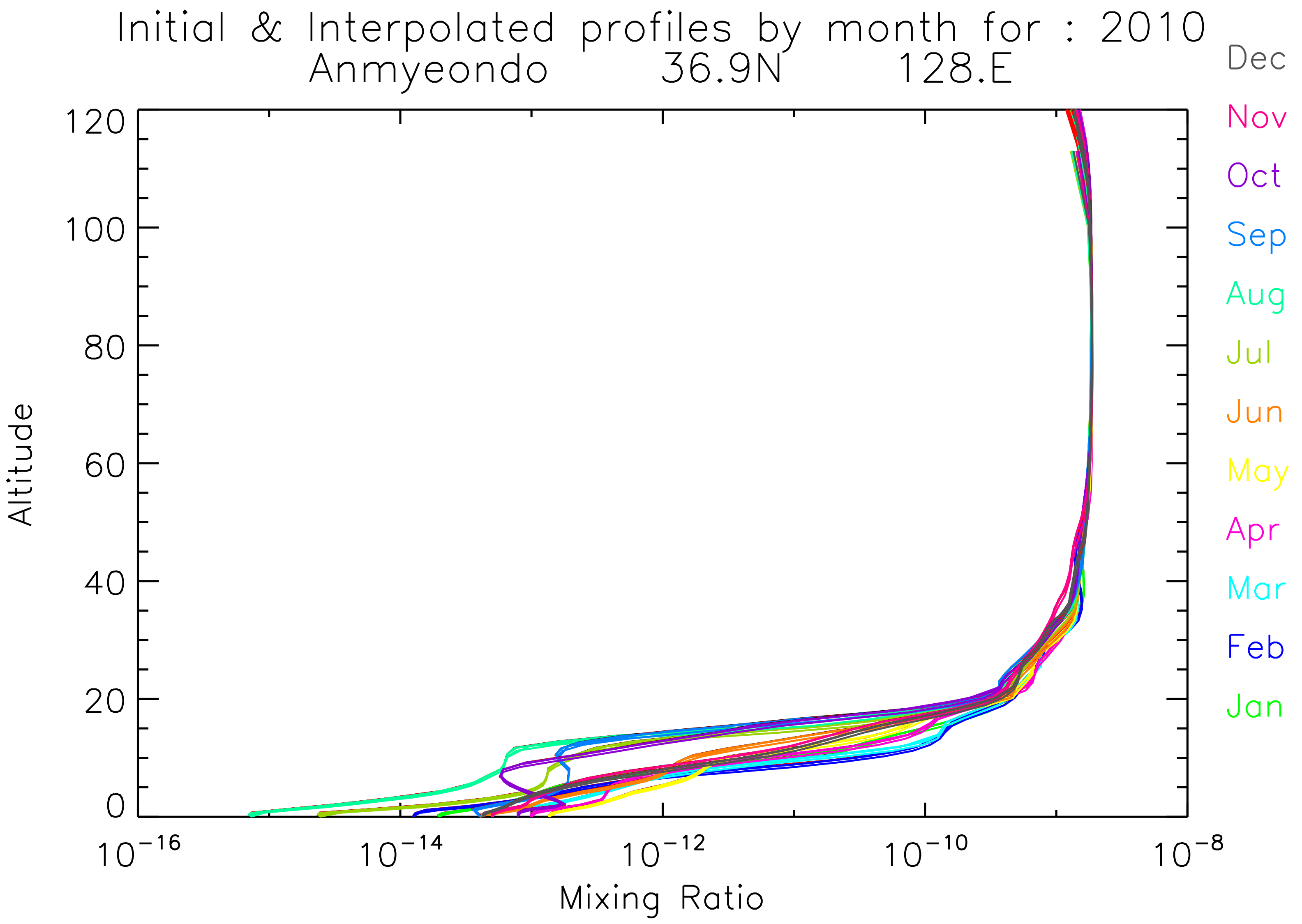

Initial & Interpolated profiles by month for : 2007
Anmyeondo 36.9N 128.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

Initial & Interpolated profiles by month for : 2008
Anmyeondo 36.9N 128.E

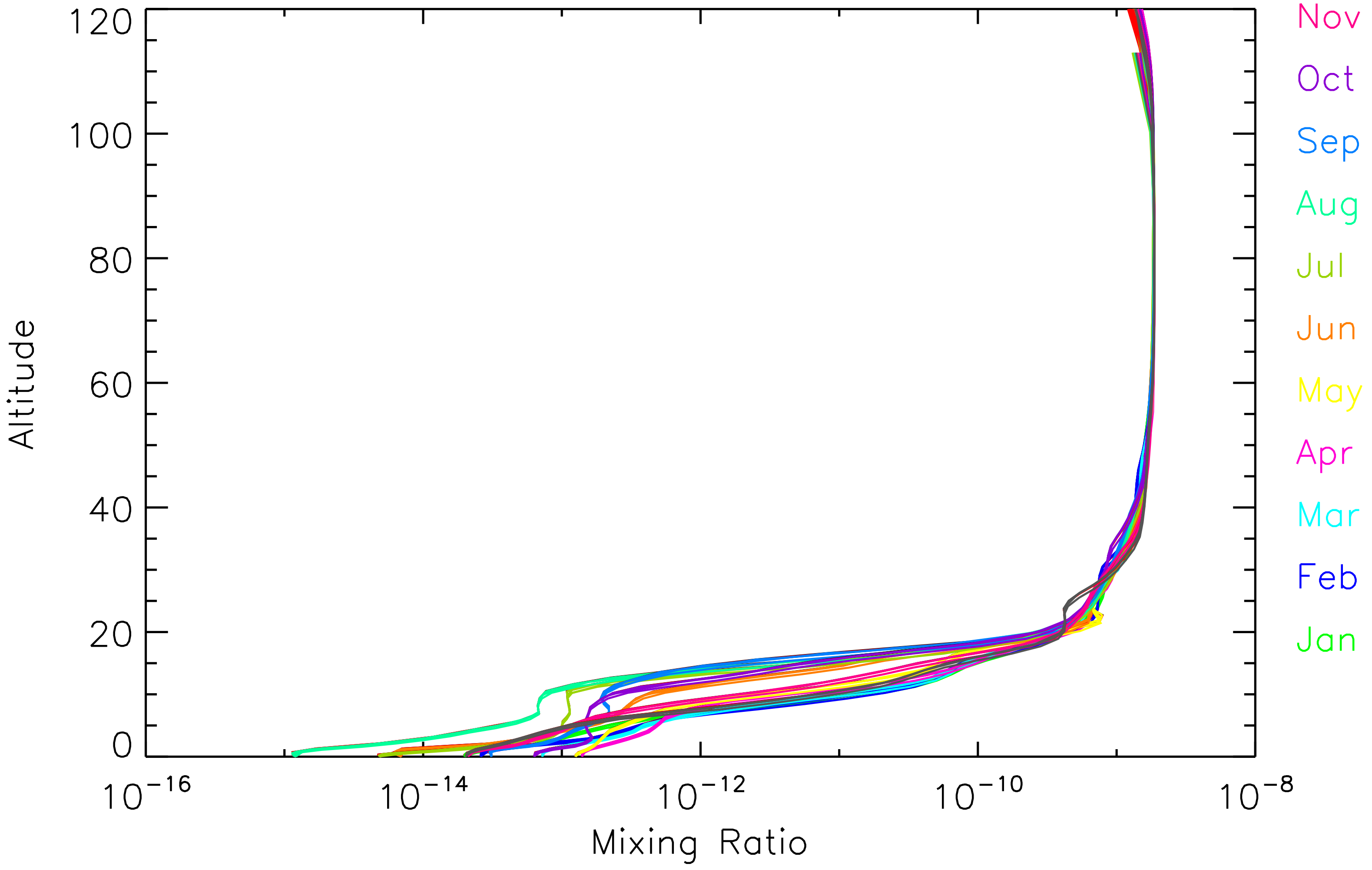


Initial & Interpolated profiles by month for : 2009
Anmyeondo 36.9N 128.E

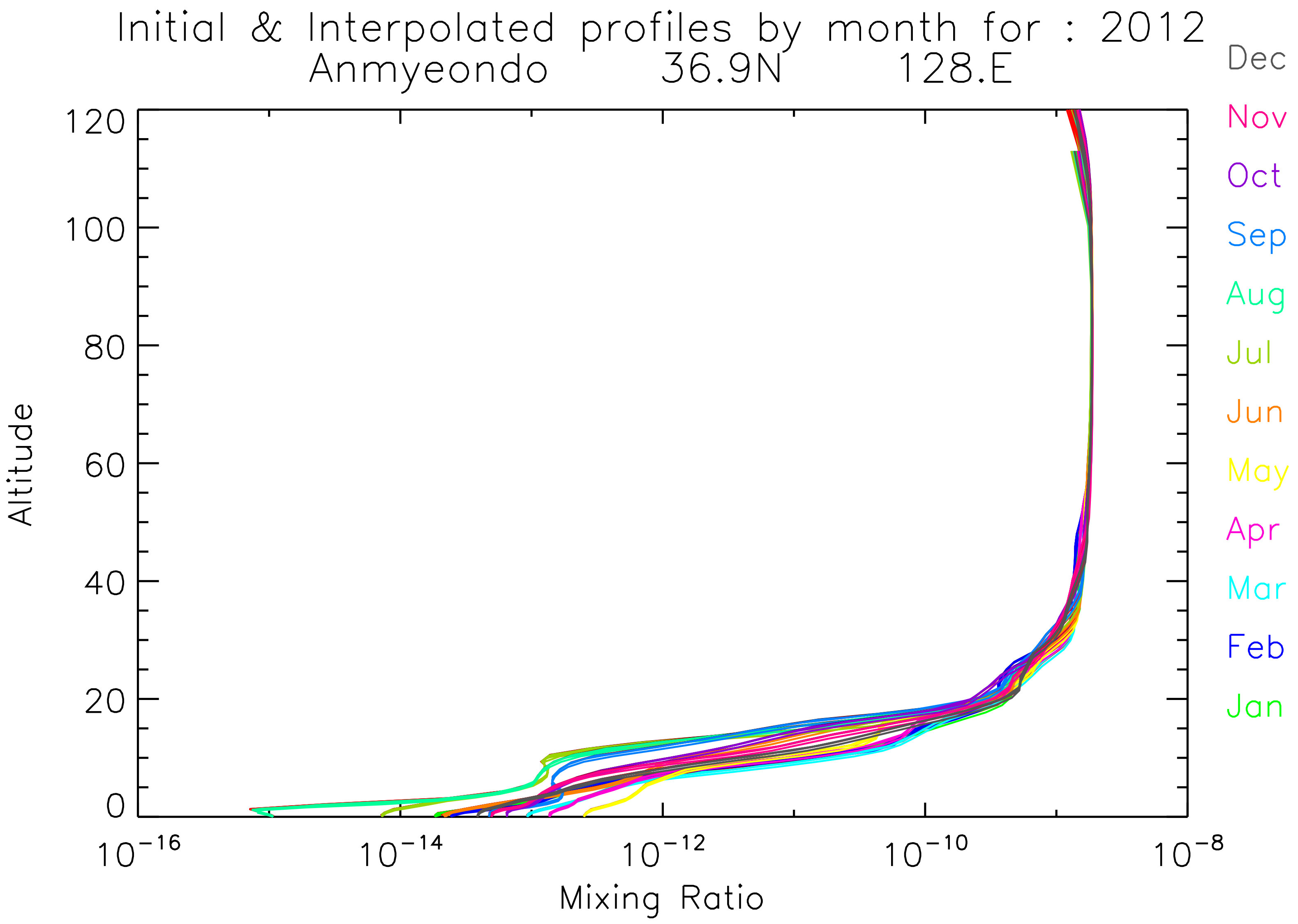


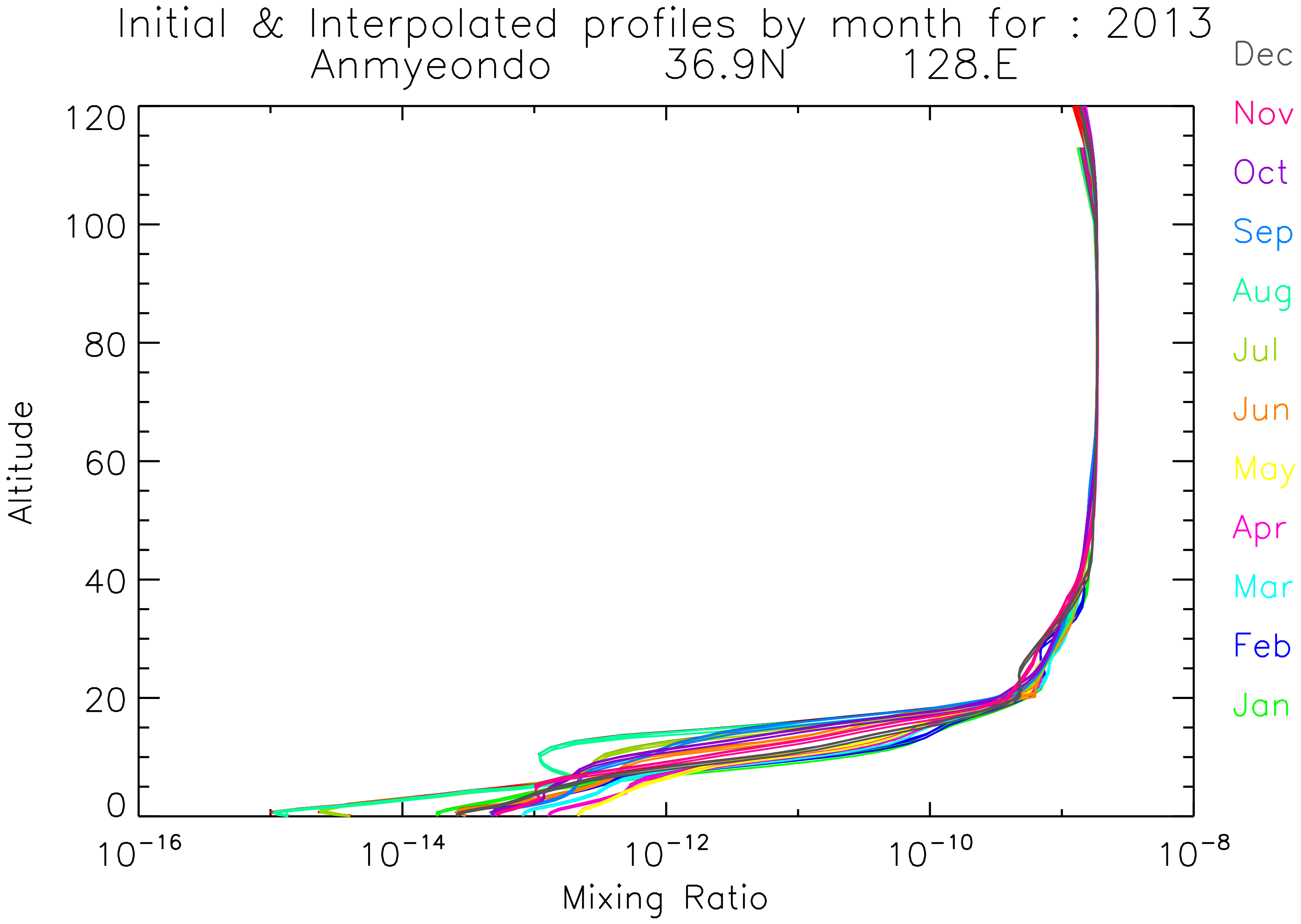


Initial & Interpolated profiles by month for : 2010
Anmyeondo 36.9N 128.E

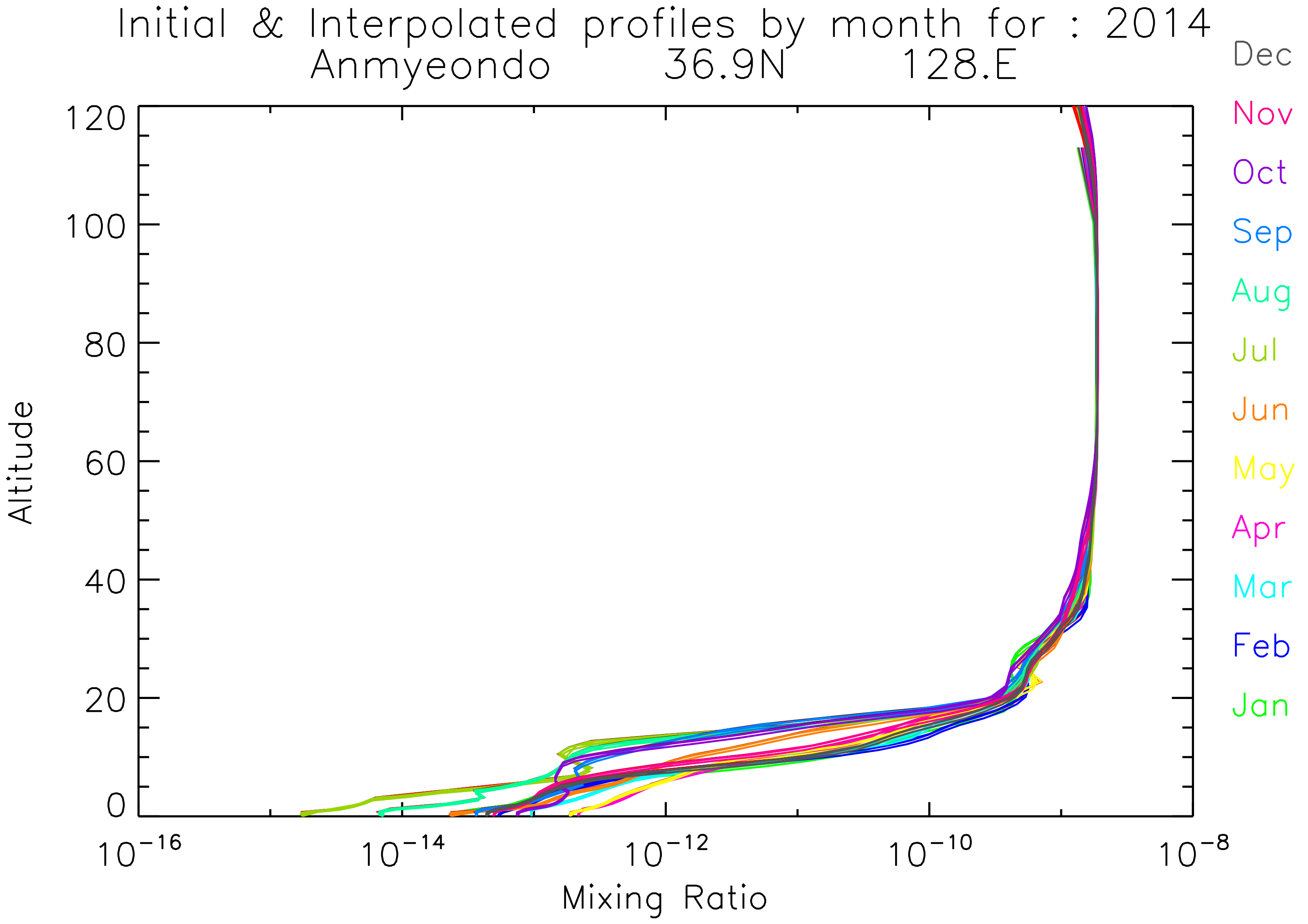


Initial & Interpolated profiles by month for : 2011
Anmyeondo 36.9N 128.E

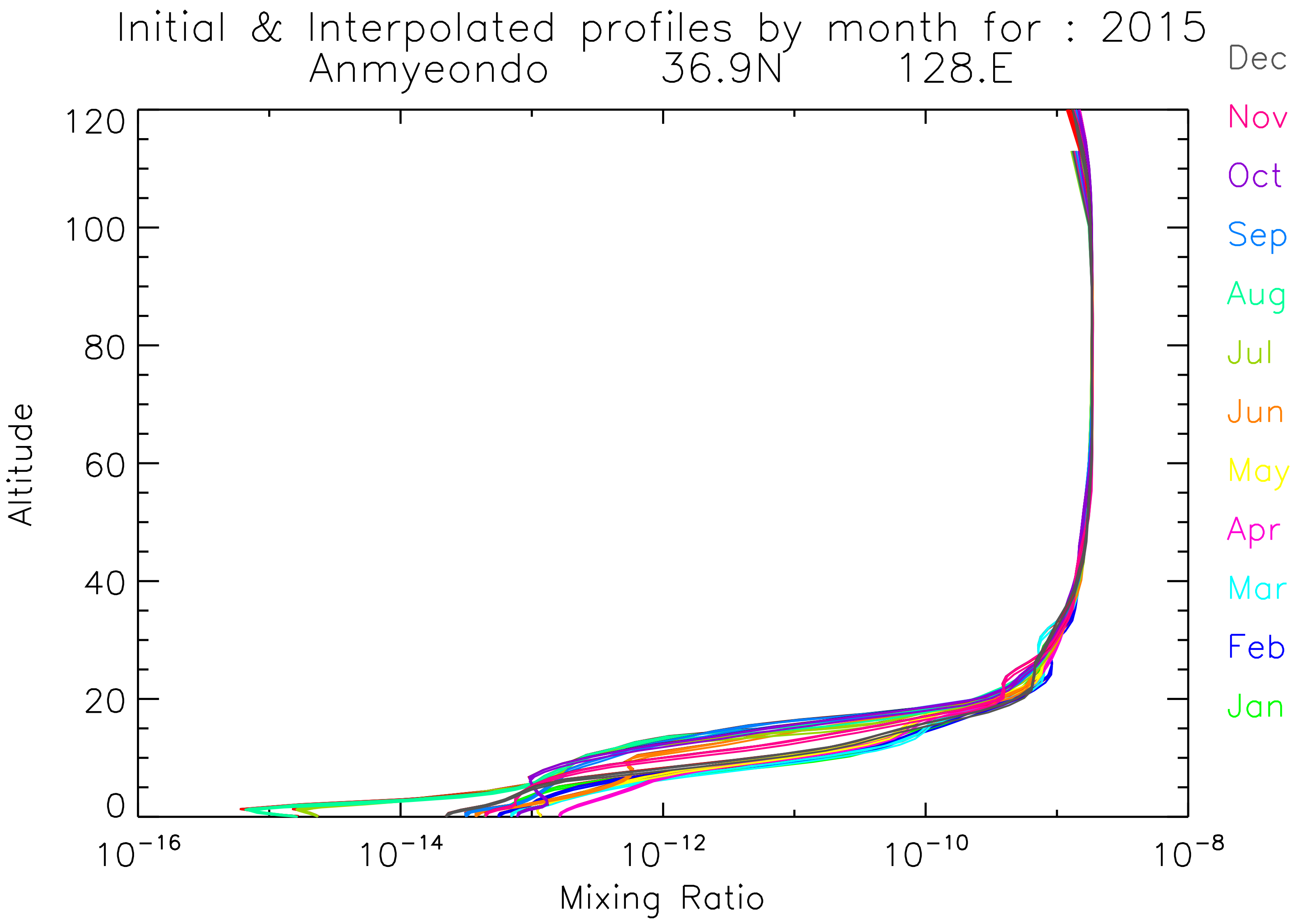

Initial & Interpolated profiles by month for : 2012
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan



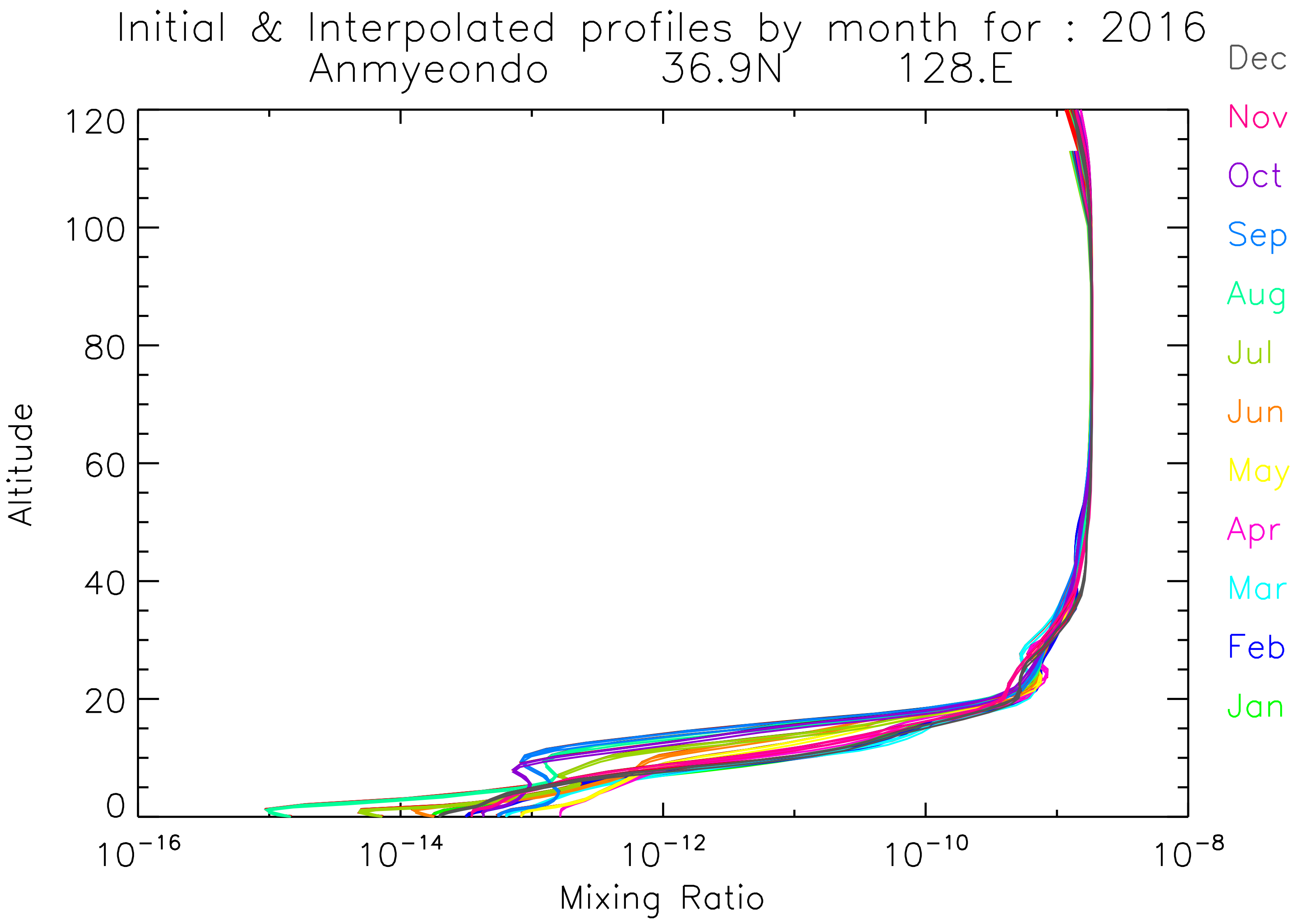
Initial & Interpolated profiles by month for : 2013
Anmyeondo 36.9N 128.E

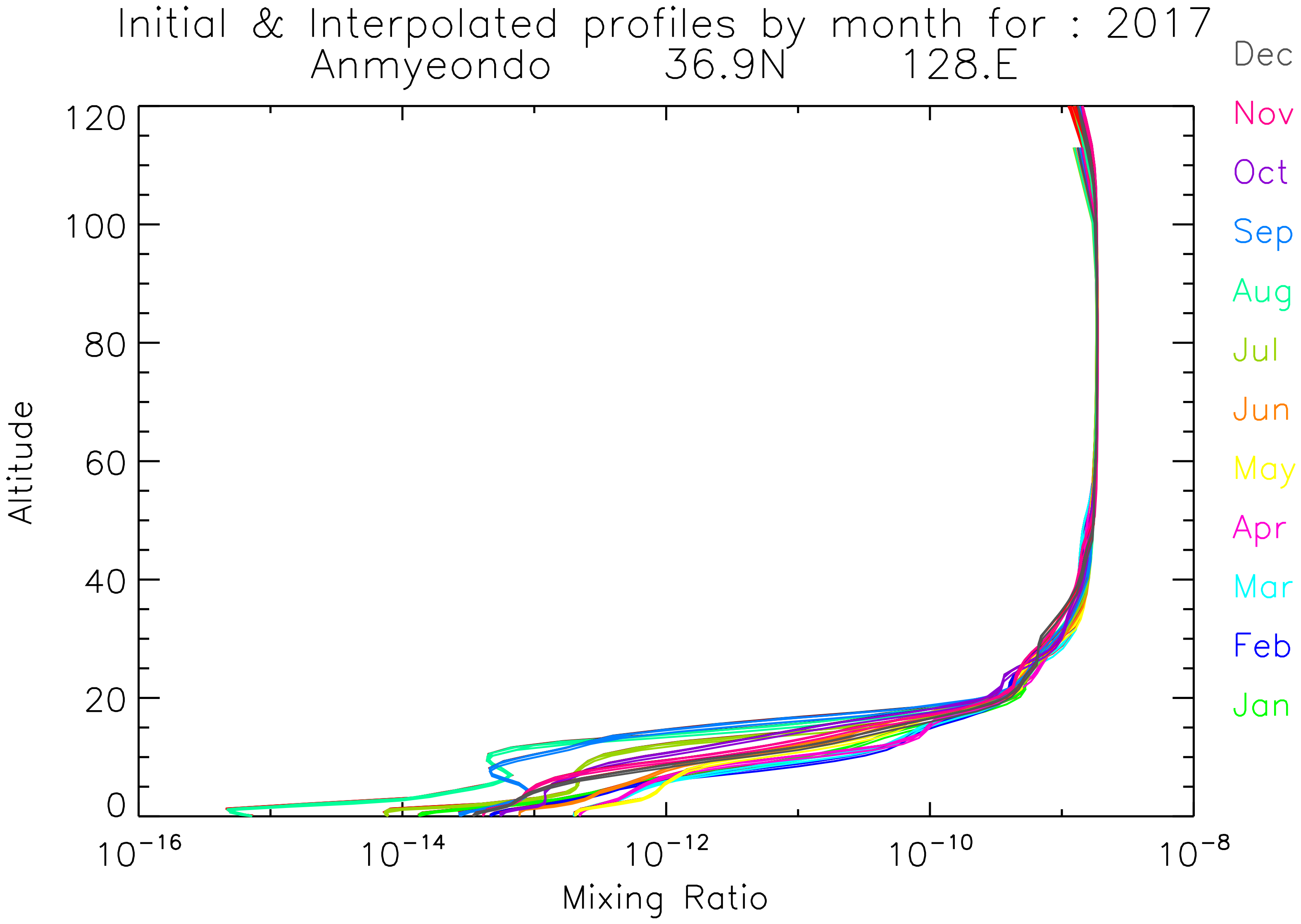


Initial & Interpolated profiles by month for : 2014
Anmyeondo 36.9N 128.E



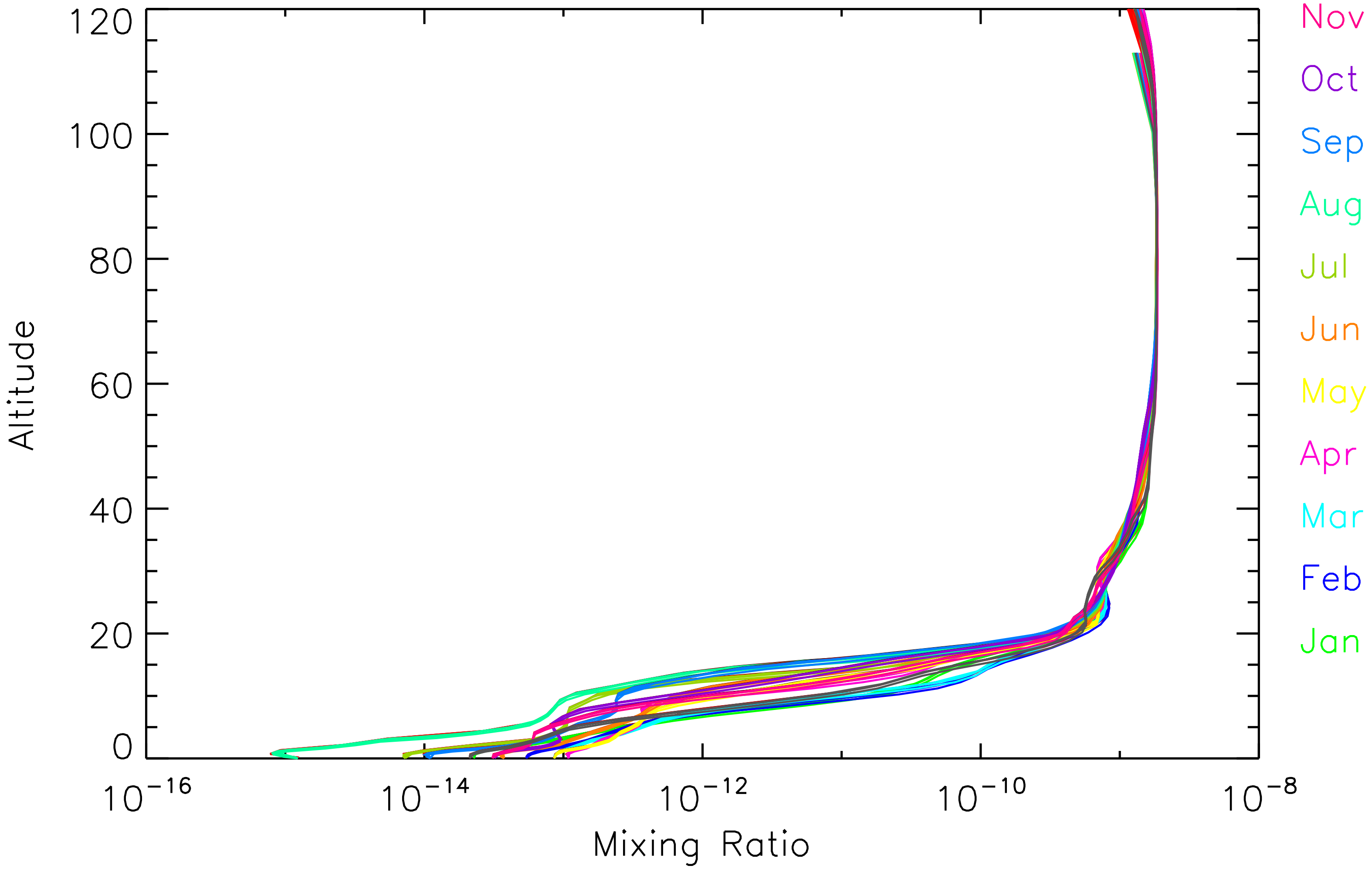
Initial & Interpolated profiles by month for : 2015
Anmyeondo 36.9N 128.E

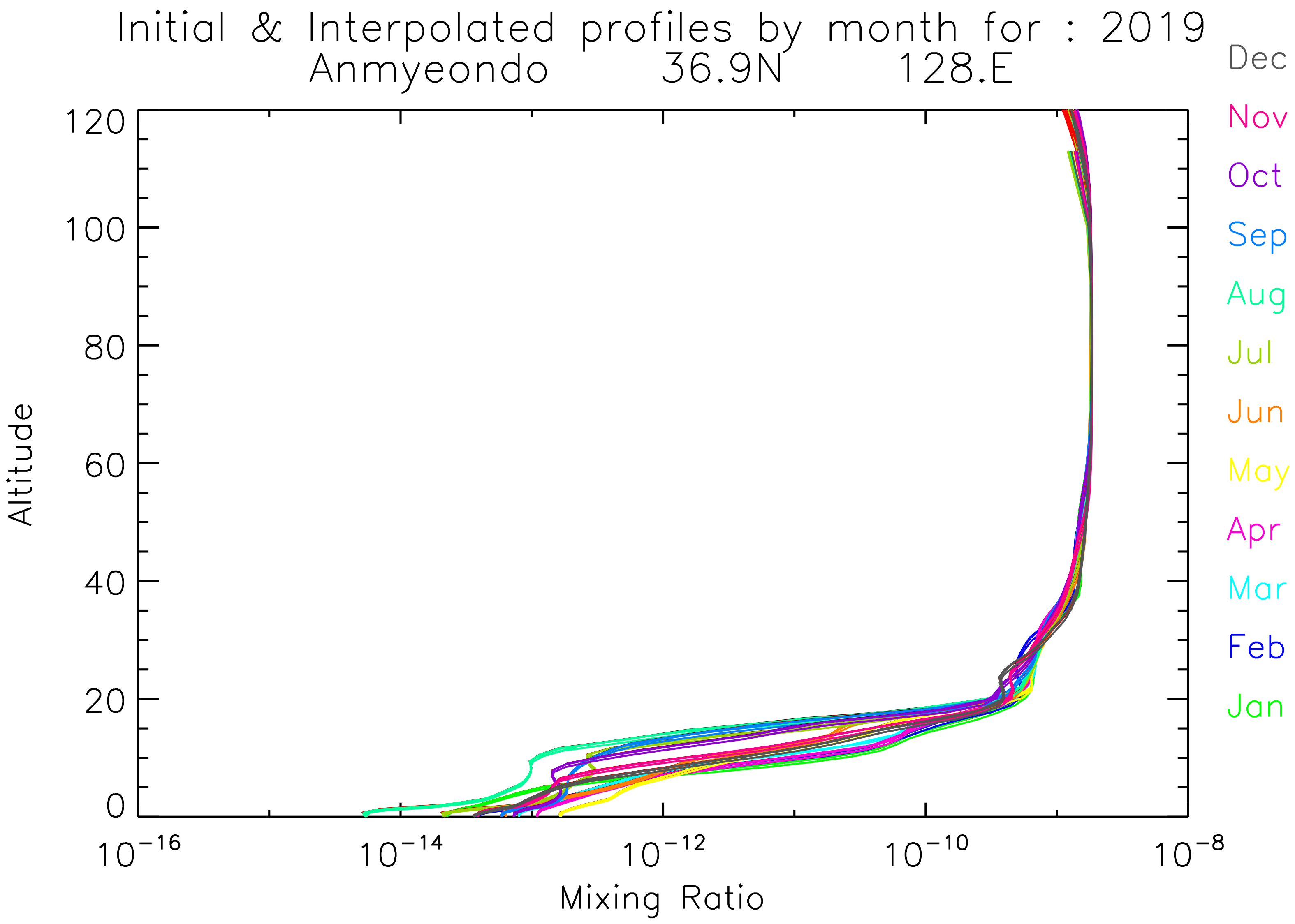

Initial & Interpolated profiles by month for : 2016
Anmyeondo 36.9N 128.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio



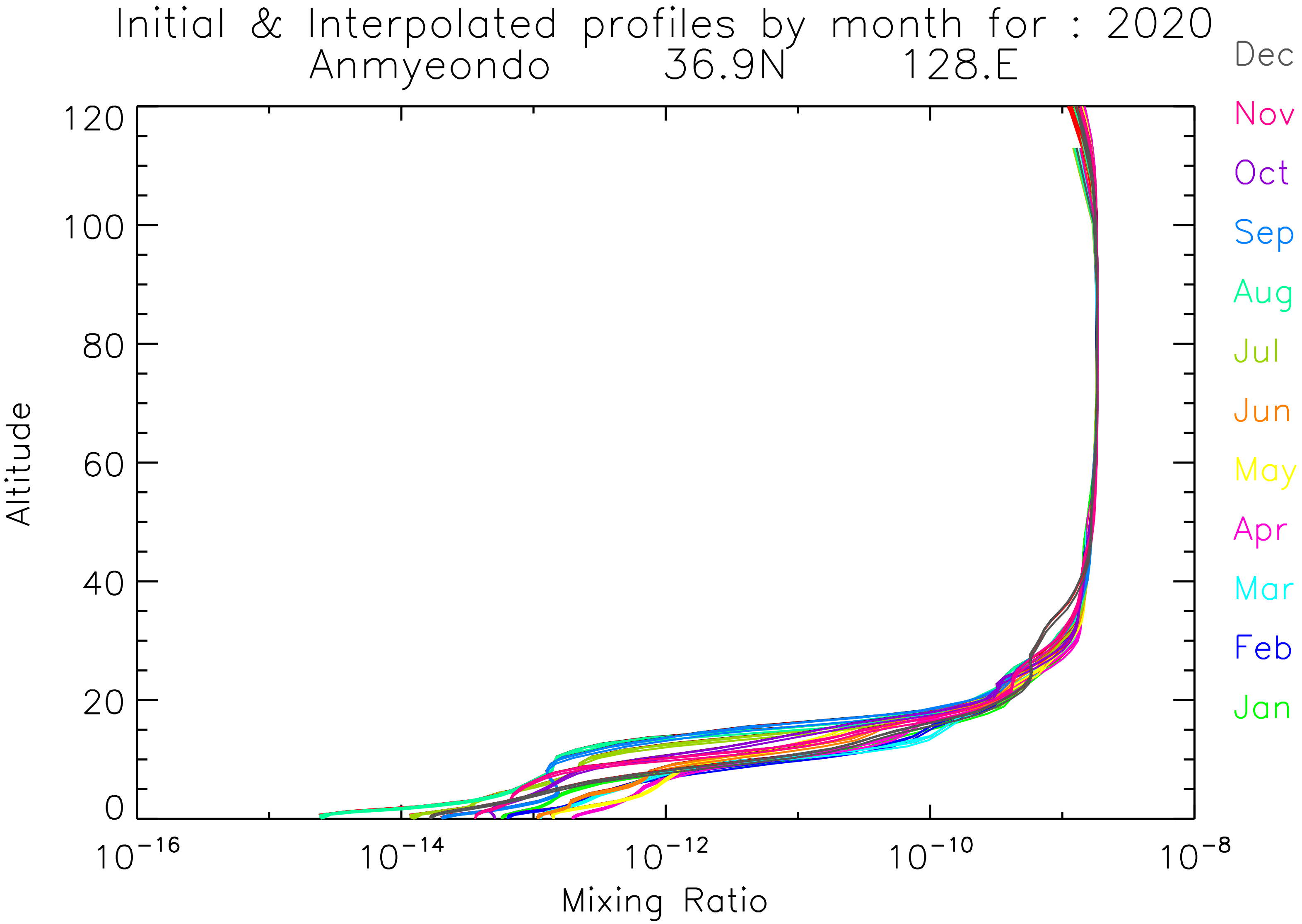
Initial & Interpolated profiles by month for : 2017
Anmyeondo 36.9N 128.E

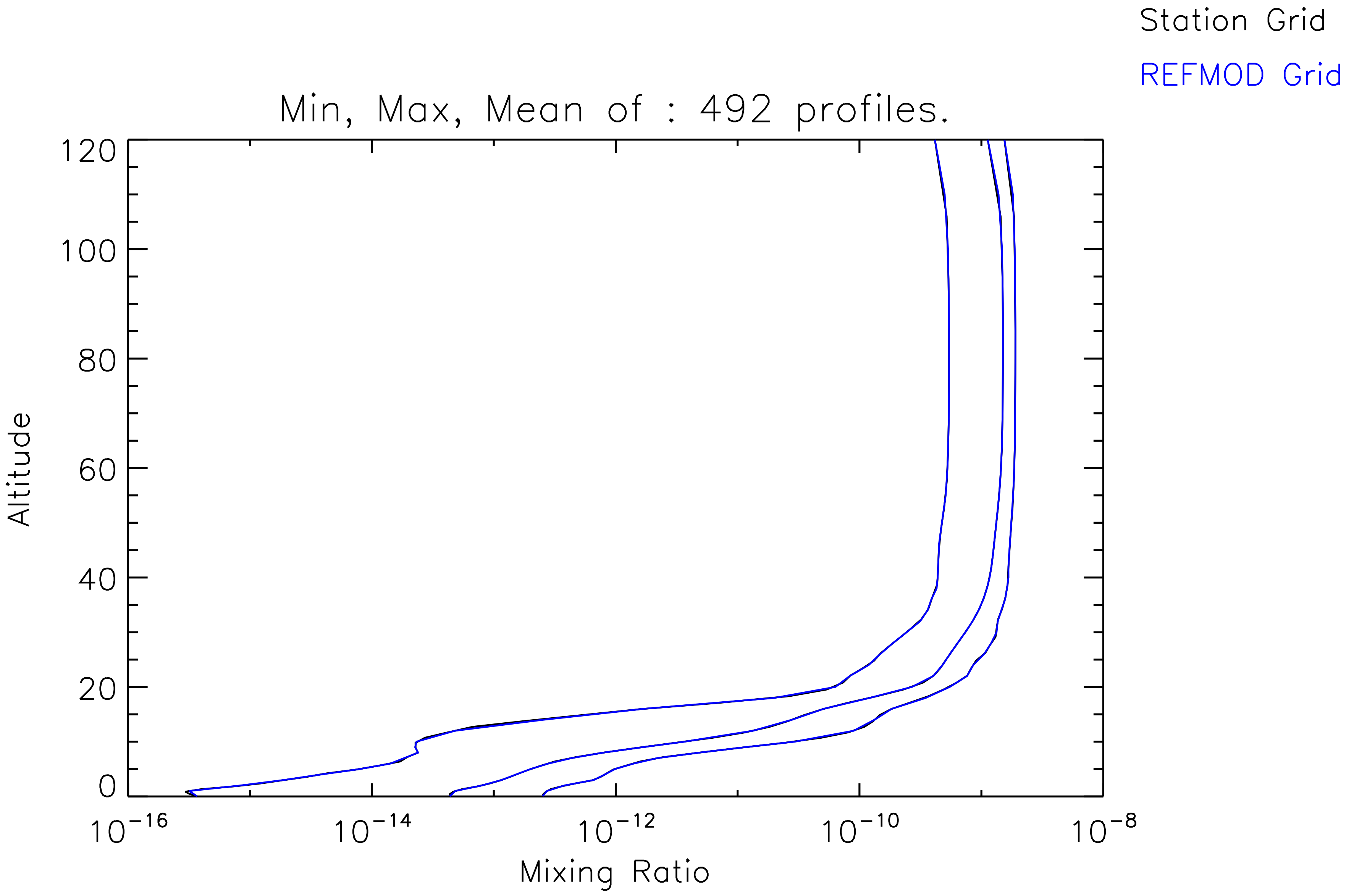
Initial & Interpolated profiles by month for : 2018
Anmyeondo 36.9N 128.E

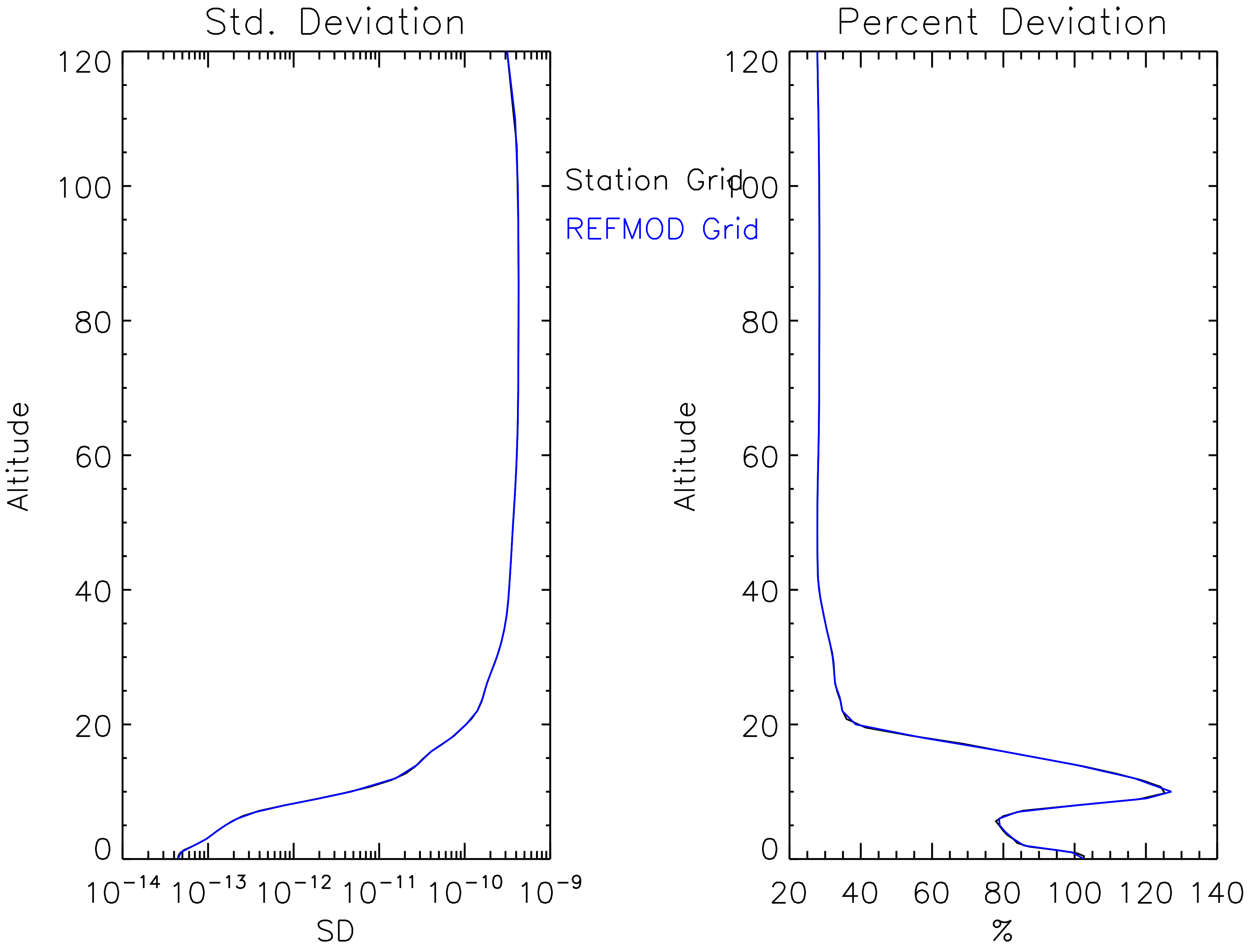


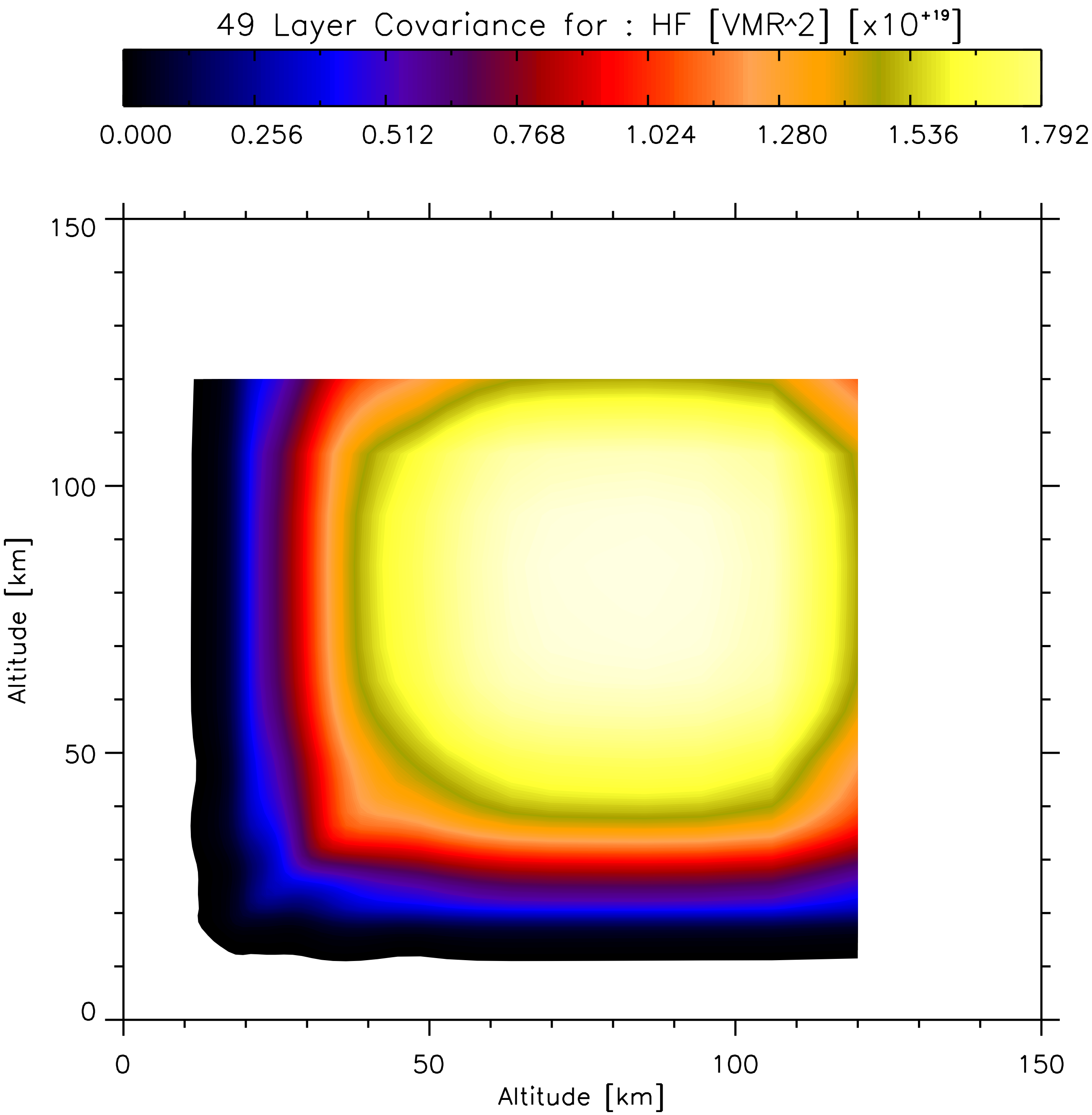


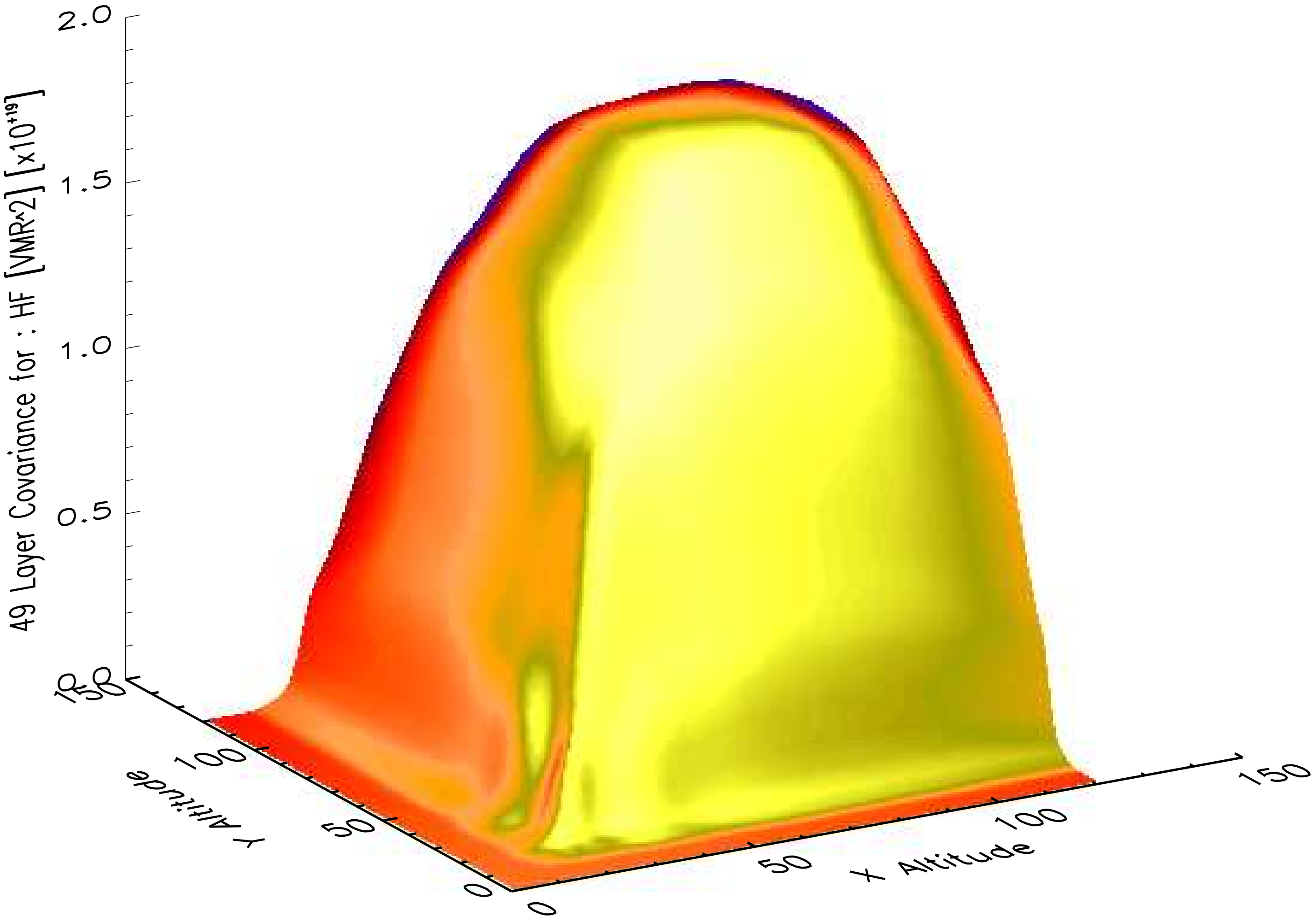
Initial & Interpolated profiles by month for : 2019
Anmyeondo 36.9N 128.E

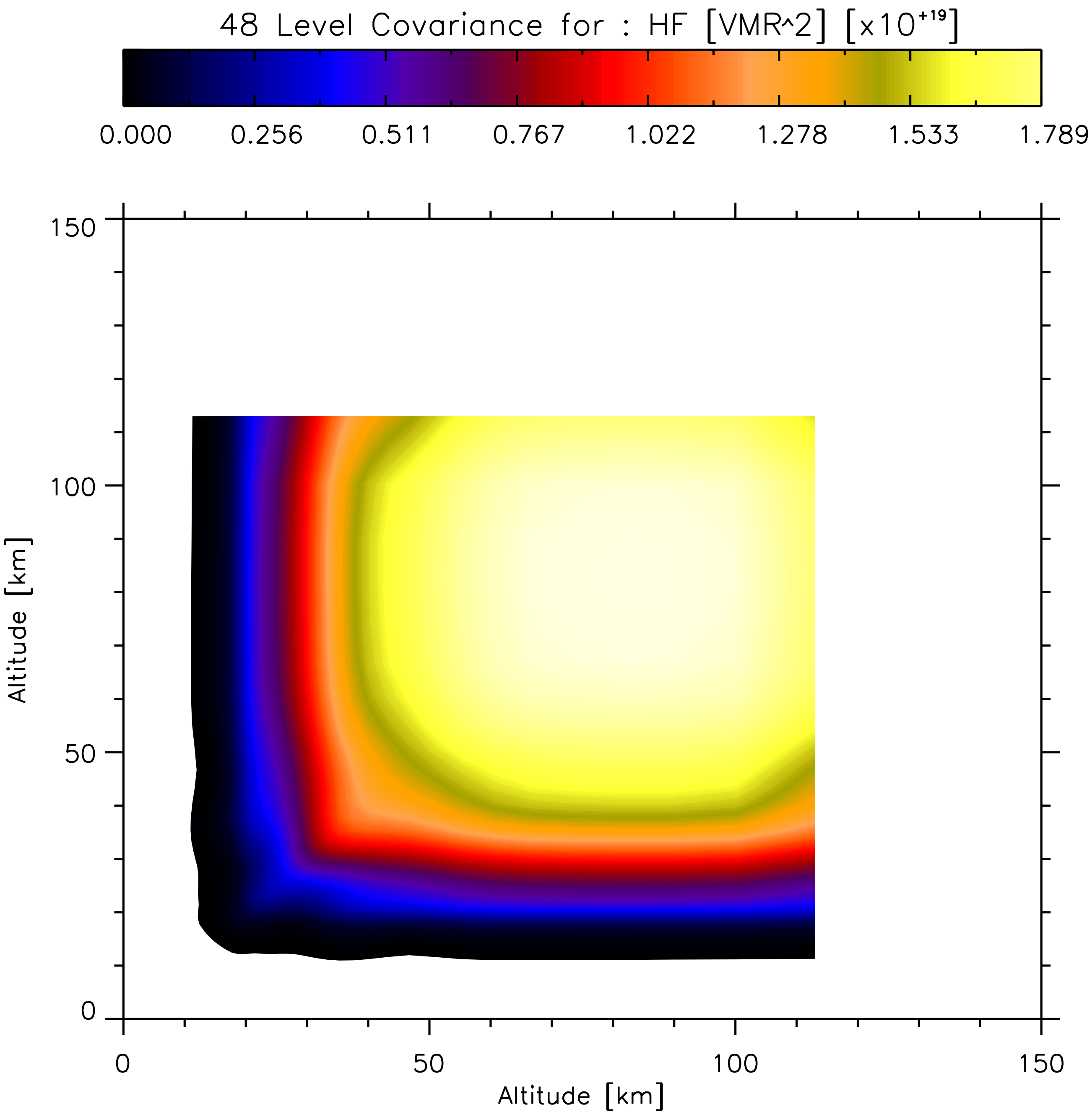

Initial & Interpolated profiles by month for : 2020
Anmyeondo 36.9N 128.E
Altitude
0
20
40
60
80
100
120
Mixing Ratio
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

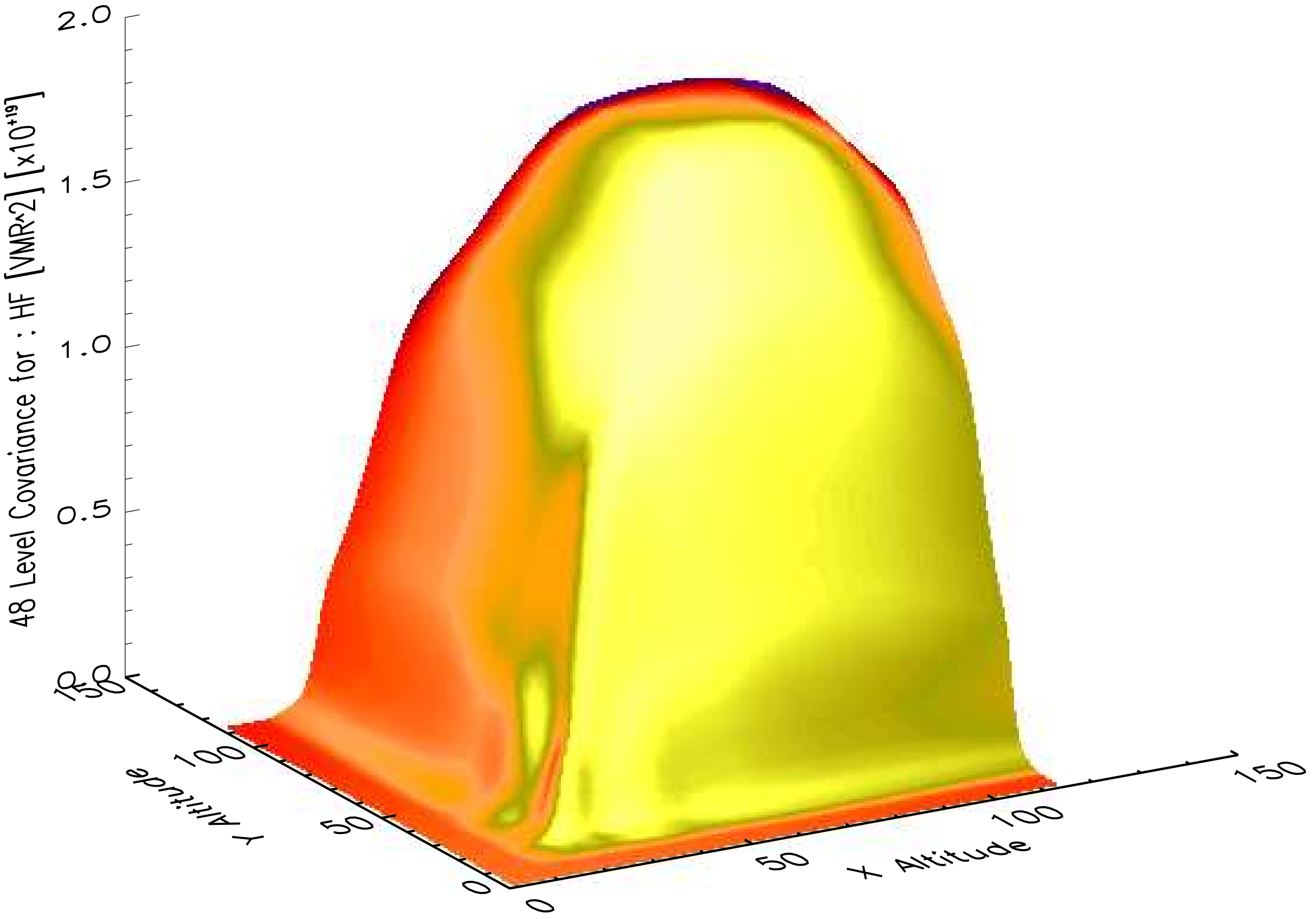

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
0
20
40
60
80
100
120
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Std. Deviation
Percent Deviation
Altitude
Altitude
120
100
80
60
40
20
0
10^{-14} 10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9}
SD
20 40 60 80 100 120 140
%
Station Grid
REFMOD Grid


49 Layer Covariance for : HF [VMR^2] [x10^{+19}]
0.000
0.256
0.512
0.768
1.024
1.280
1.536
1.792
Altitude [km]
0
50
100
150
Altitude [km]
0
50
100
150


49 Layer Covariance for : HF [VMR^2] [x10^{+19}]
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


48 Level Covariance for : HF [VMR^2] [x10^{+19}]
0.000
0.256
0.511
0.767
1.022
1.278
1.533
1.789
Altitude [km]
0
50
100
150
Altitude [km]
0
50
100
150


48 Level Covariance for : HF [VMR^2] [x10^+19]
2.0
1.5
1.0
0.5
0.0
150
100
50
0
Y Altitude
0
50
100
150
X Altitude