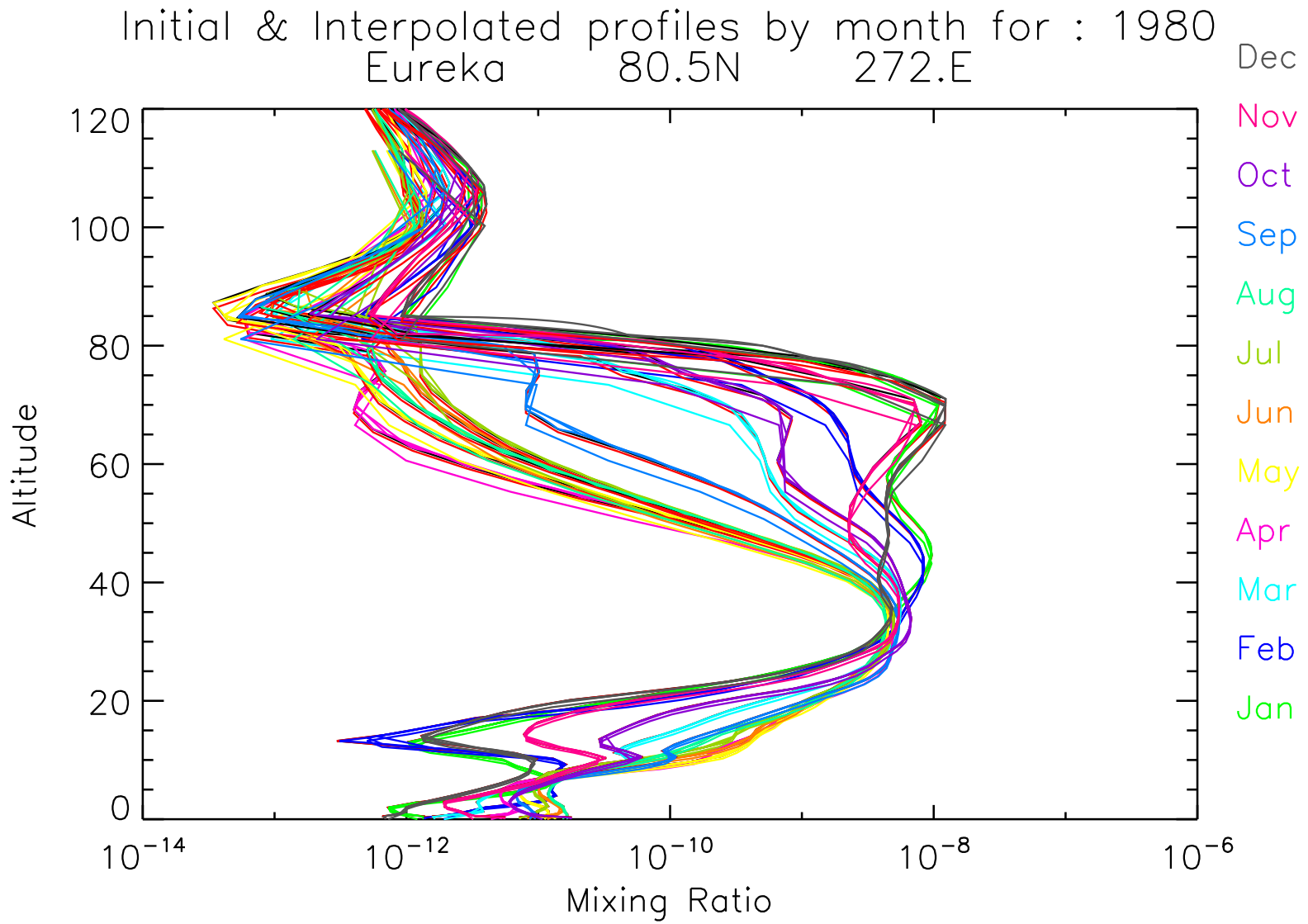
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Altitude
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Mixing Ratio
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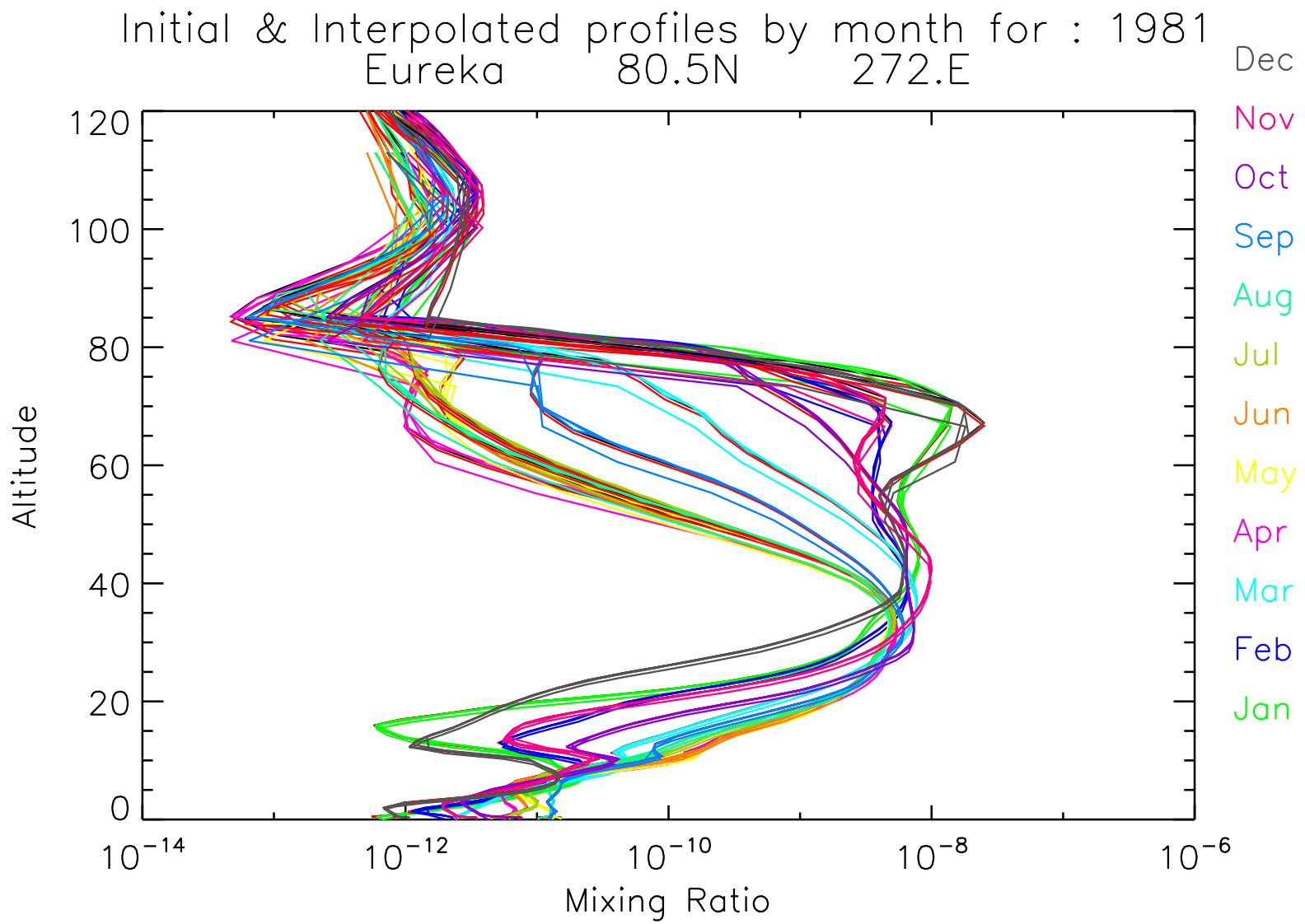
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Altitude
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Mixing Ratio
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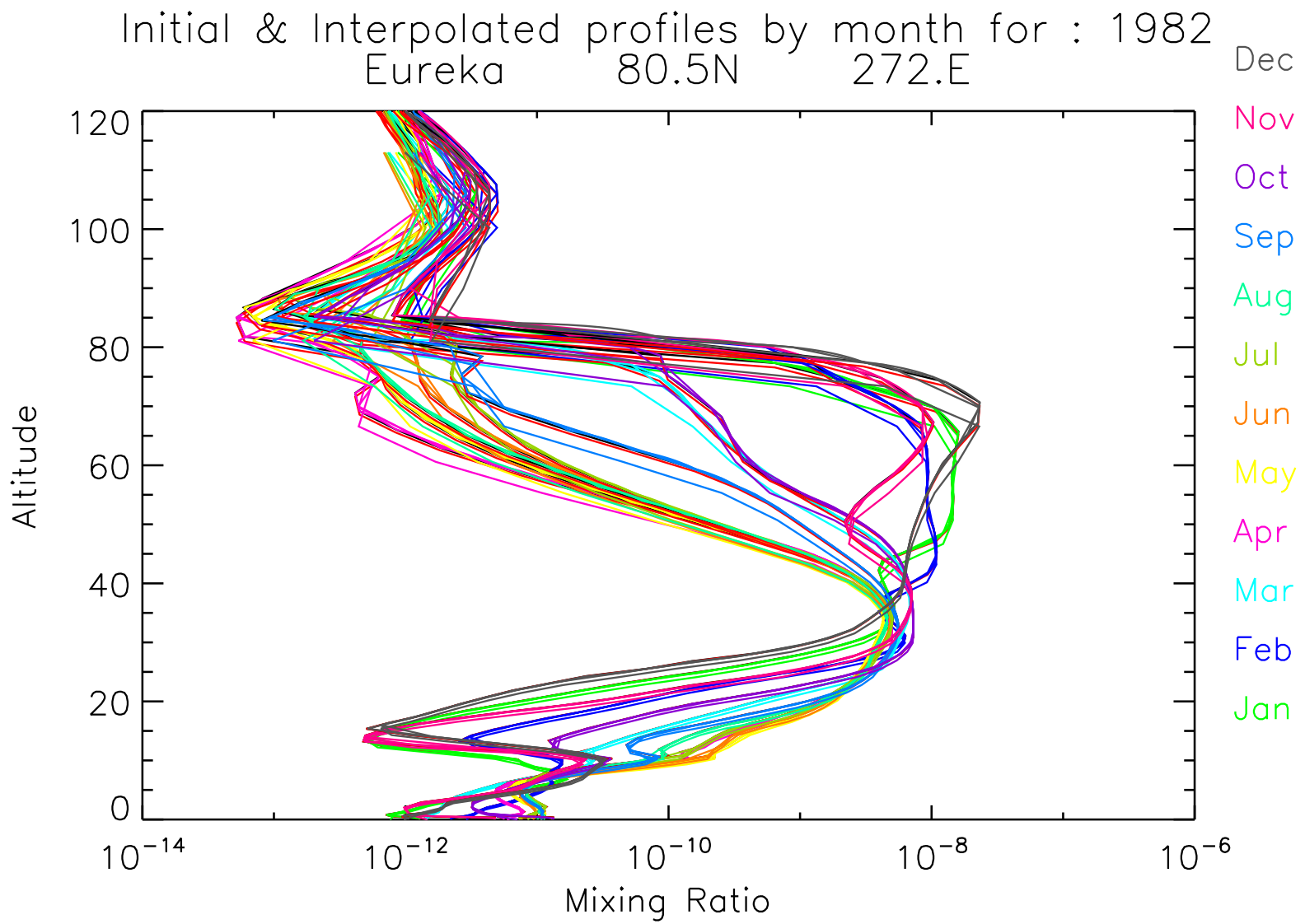
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Altitude
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Mixing Ratio
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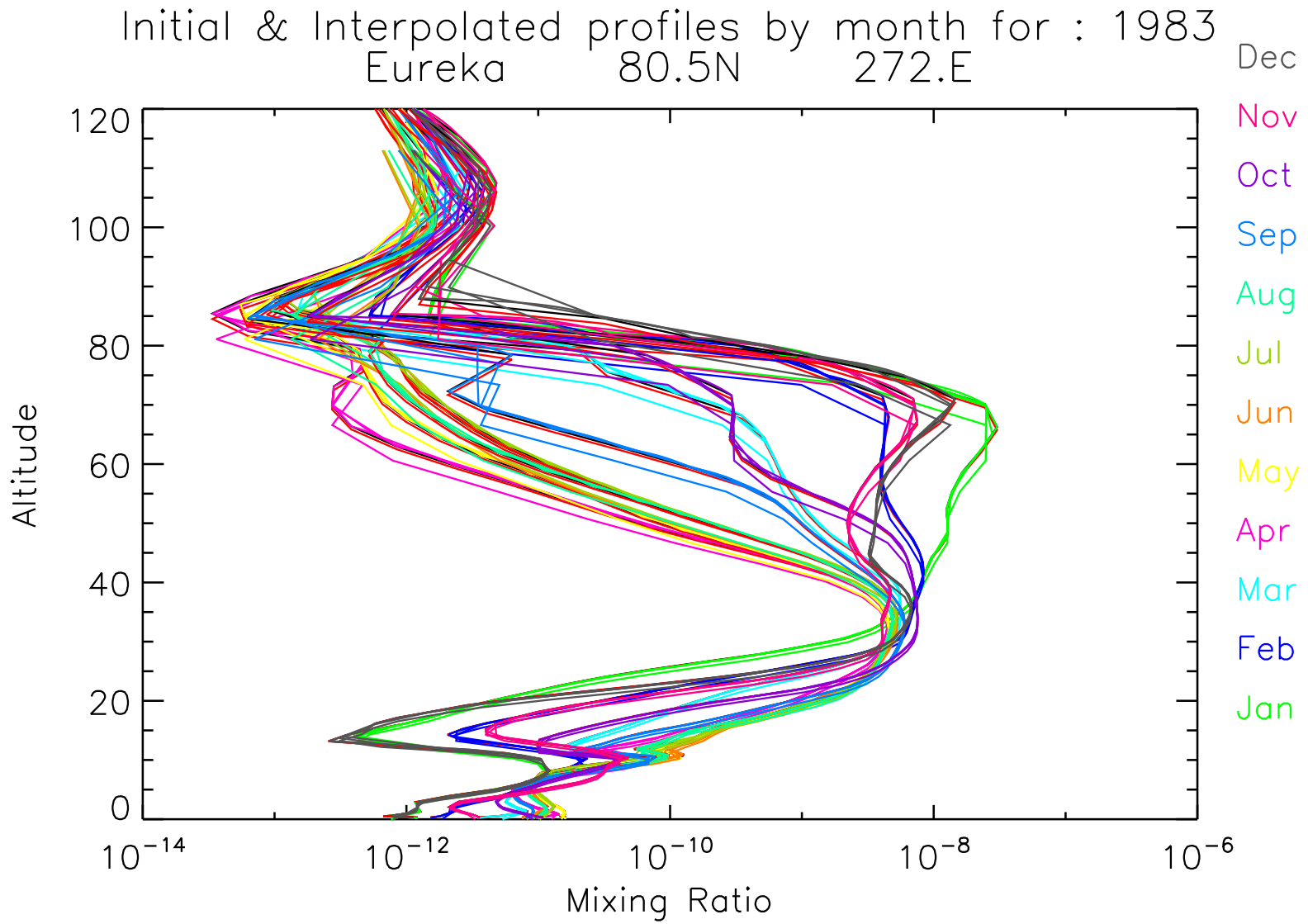
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Altitude
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Mixing Ratio
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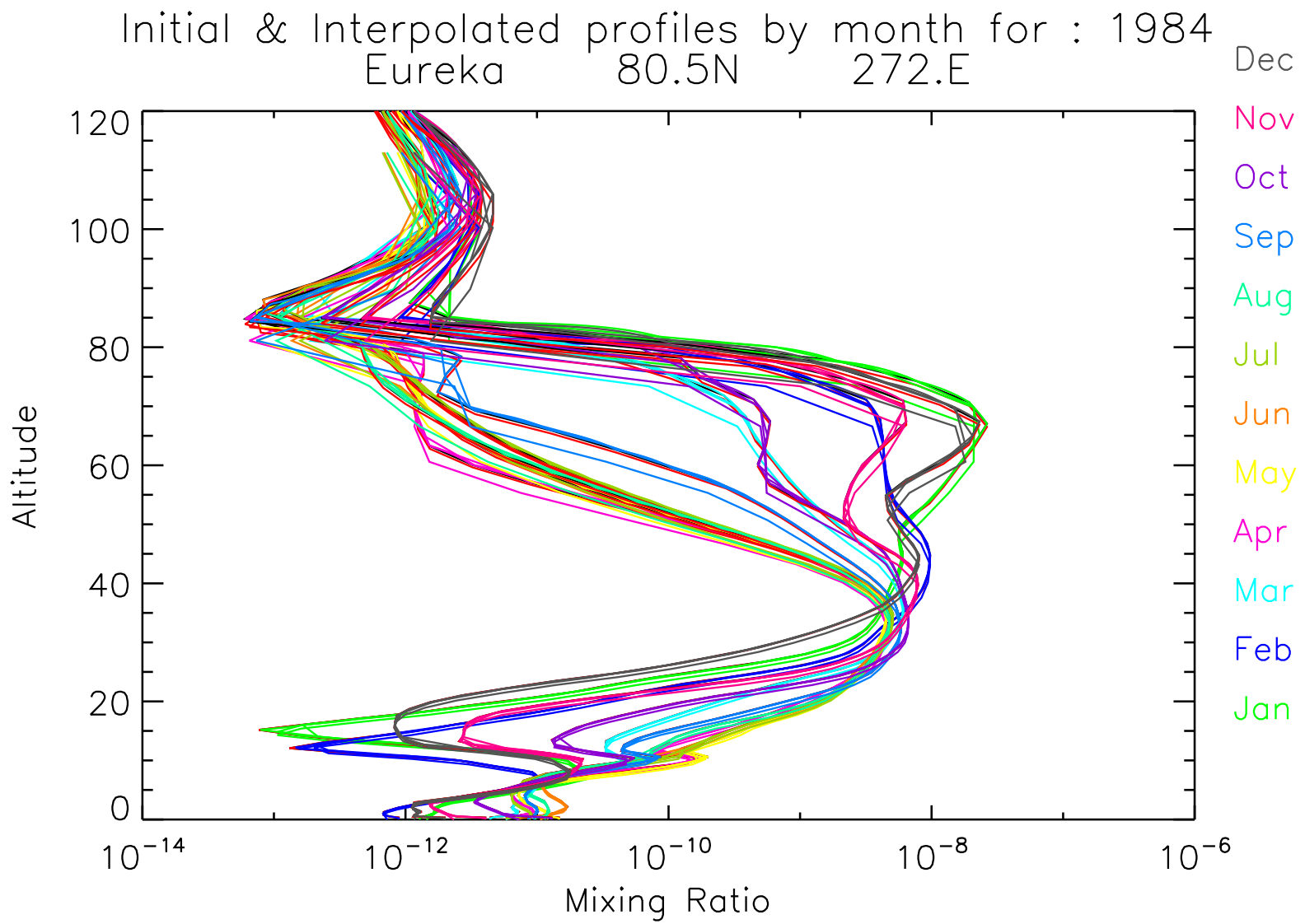
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Altitude
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Mixing Ratio
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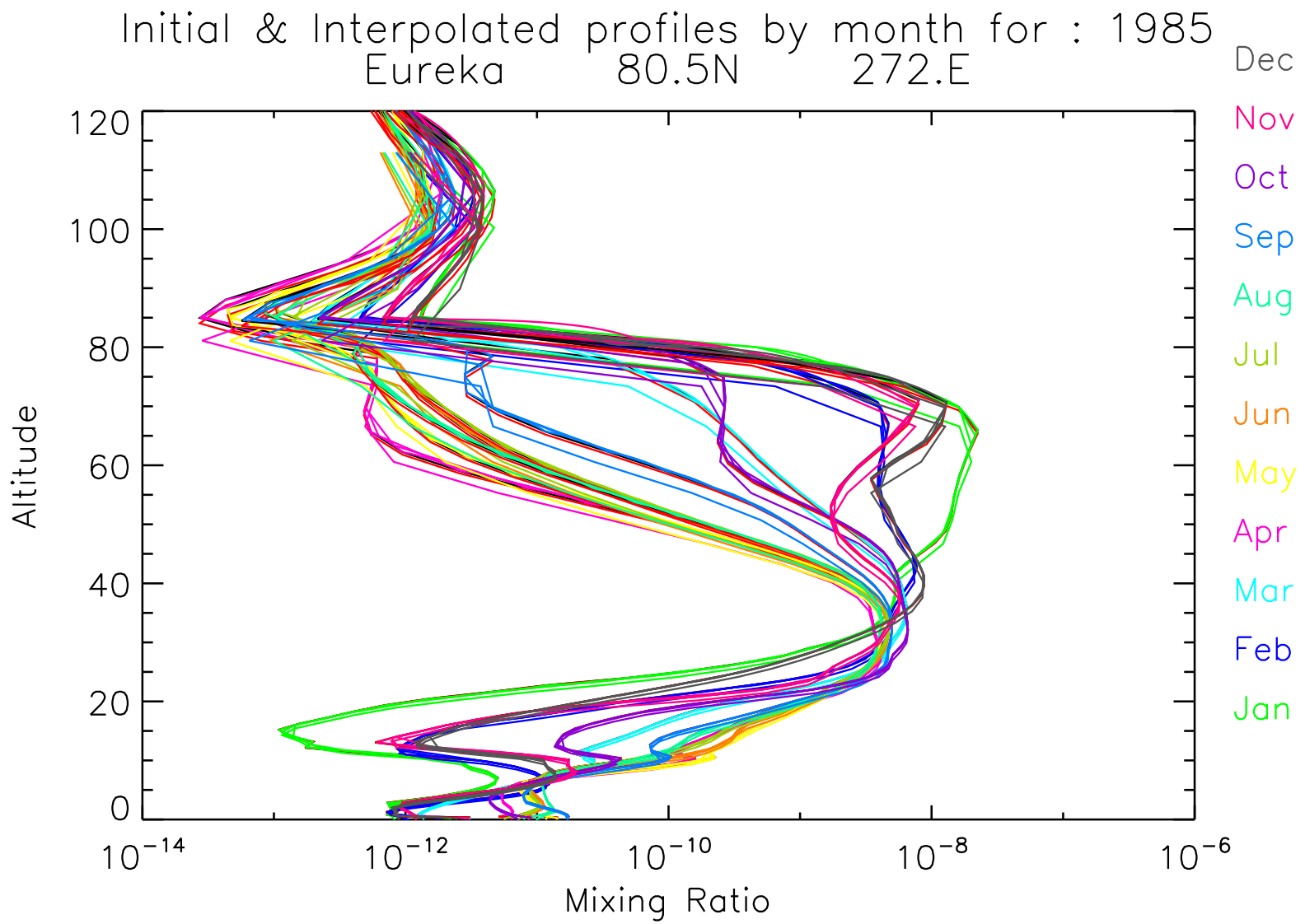
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Altitude
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Mixing Ratio
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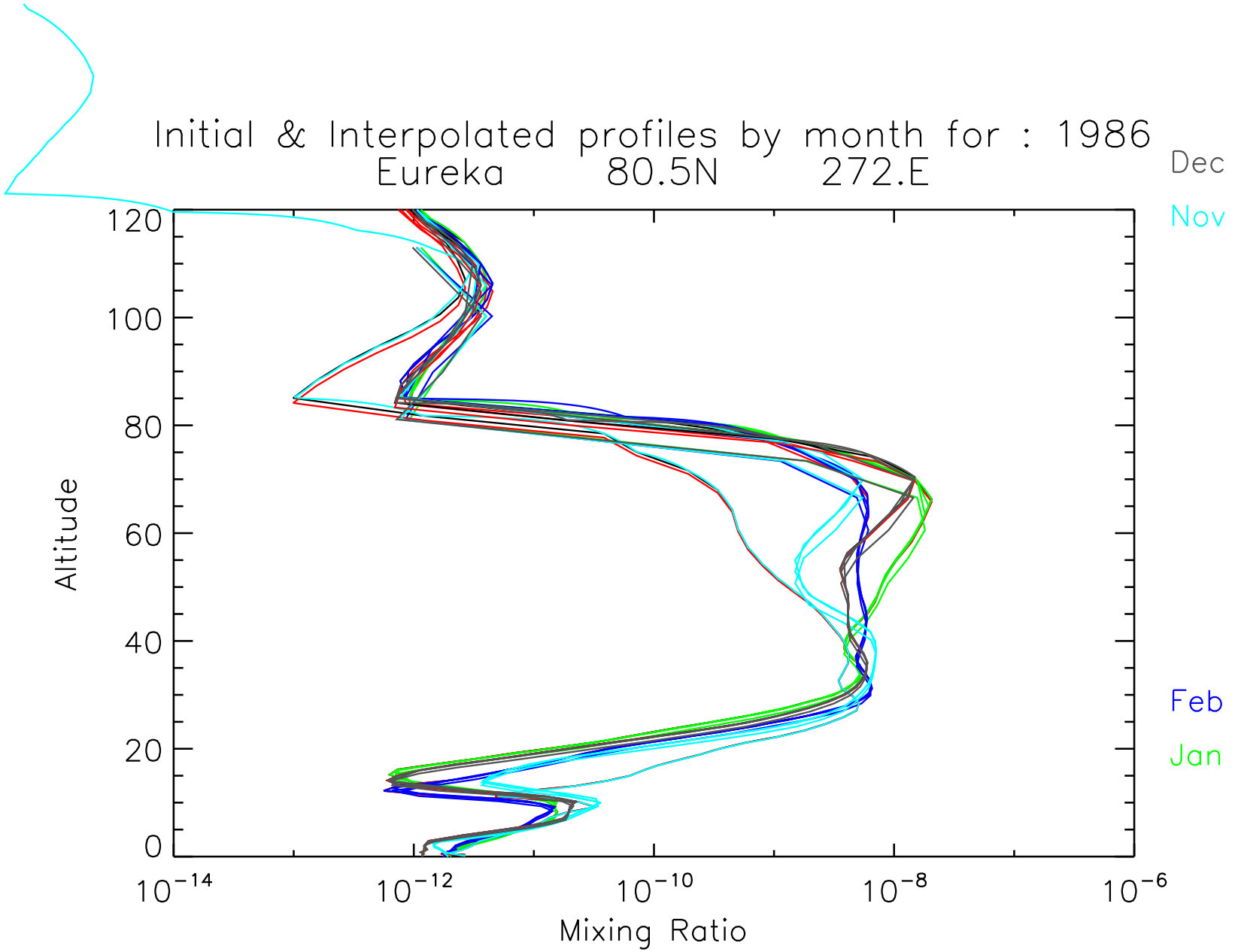
Initial & Interpolated profiles by month for : 1986
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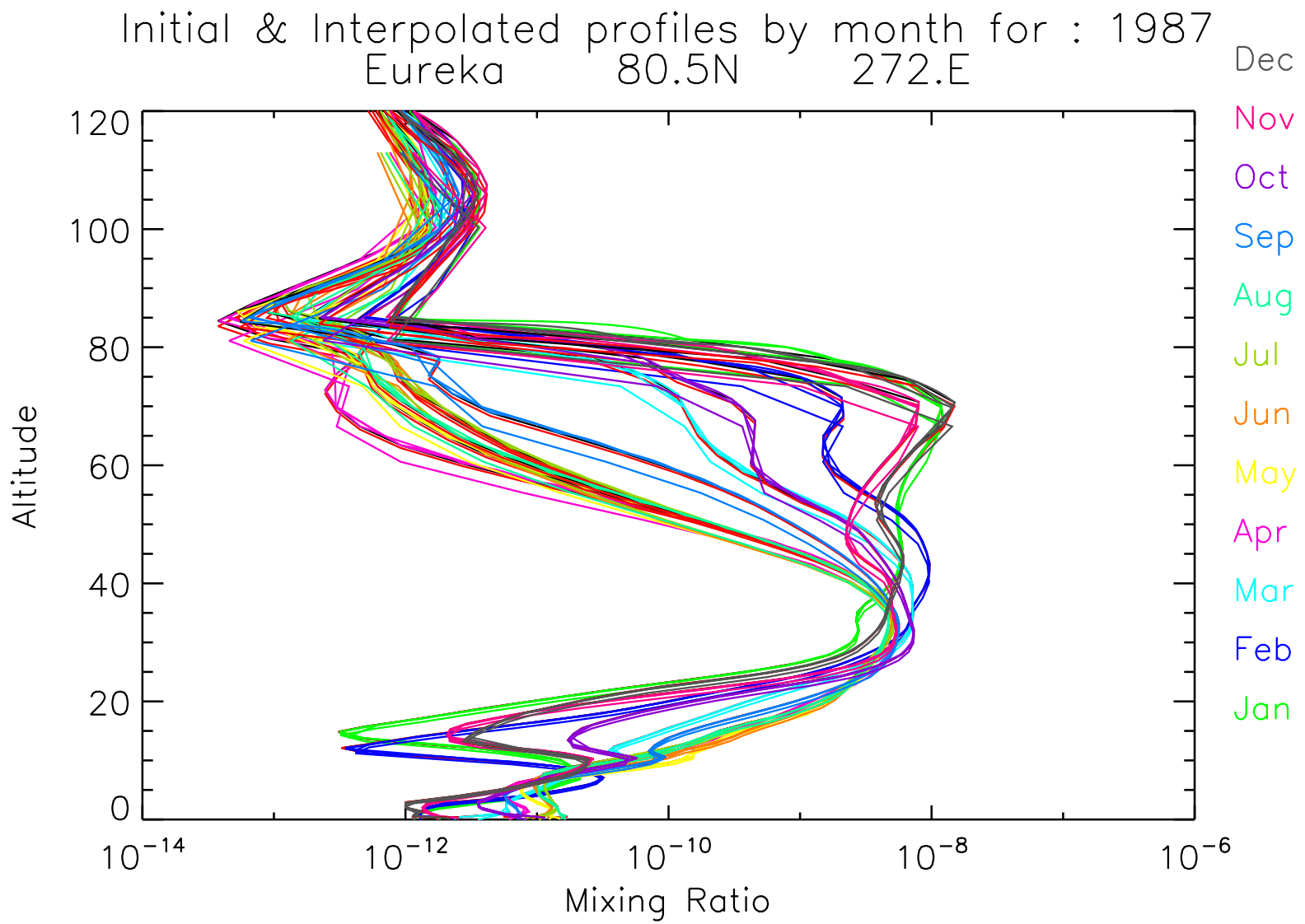
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
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Altitude
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Mixing Ratio
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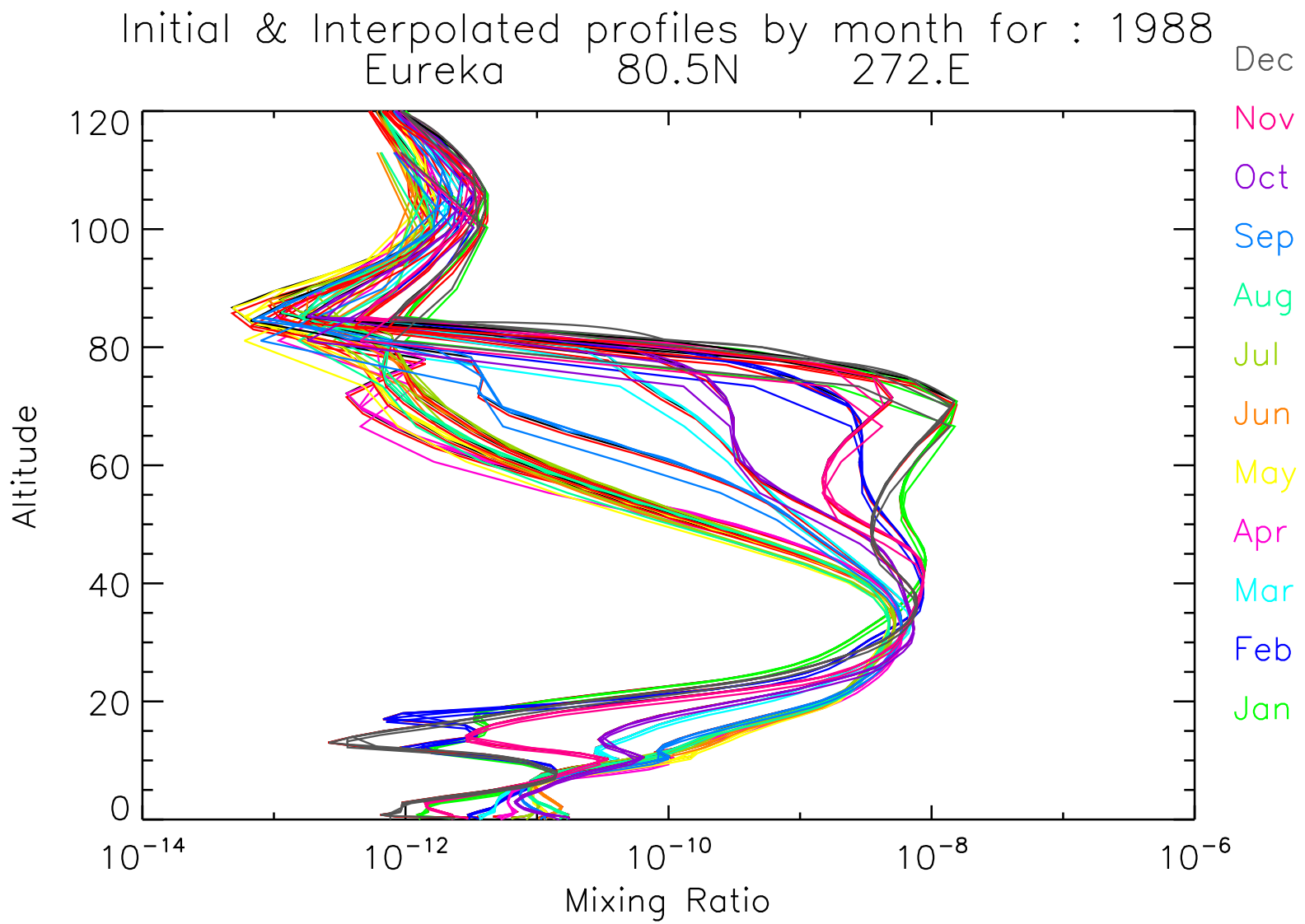
Initial & Interpolated profiles by month for : 1988
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Altitude
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Mixing Ratio
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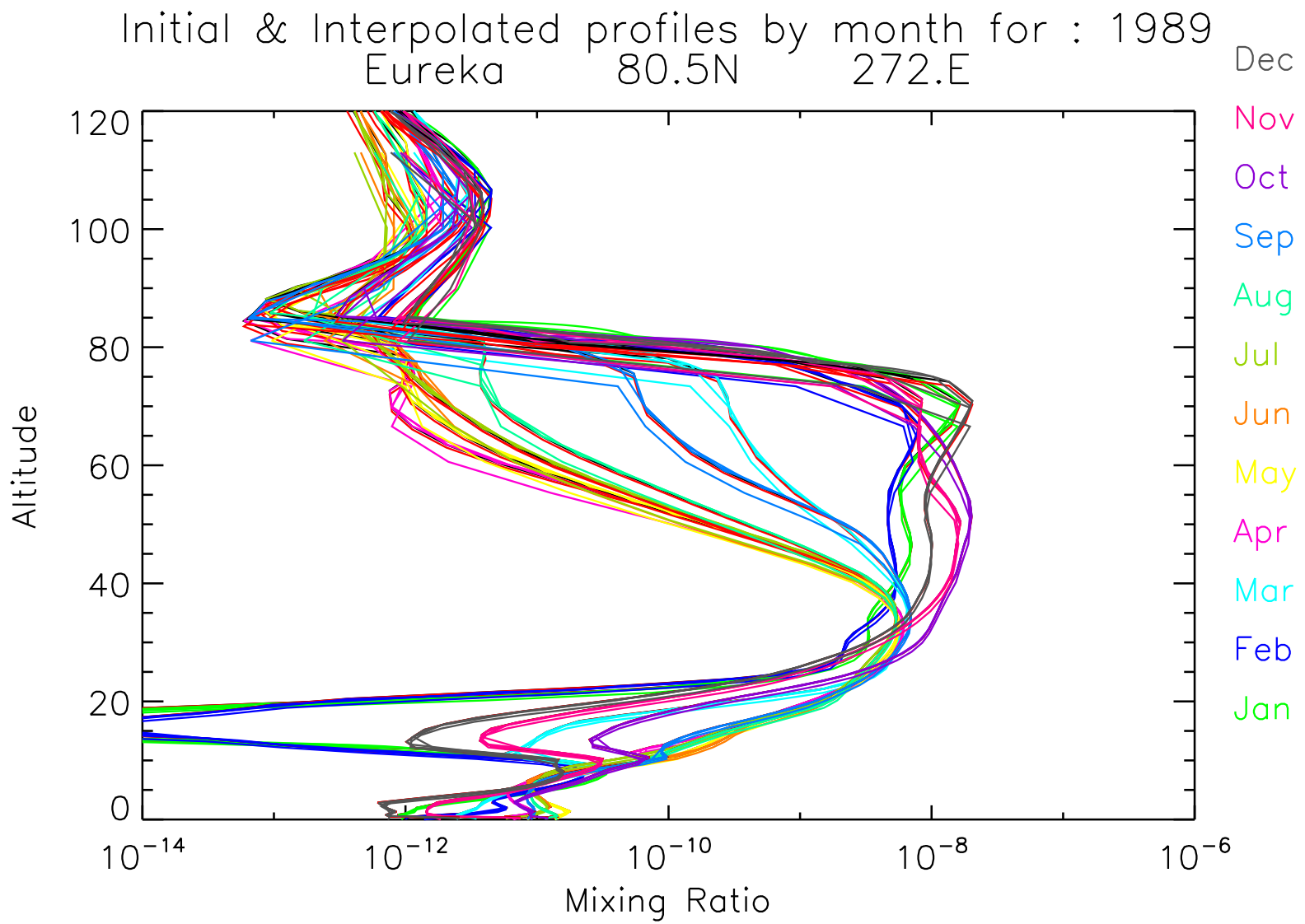
Initial & Interpolated profiles by month for : 1989
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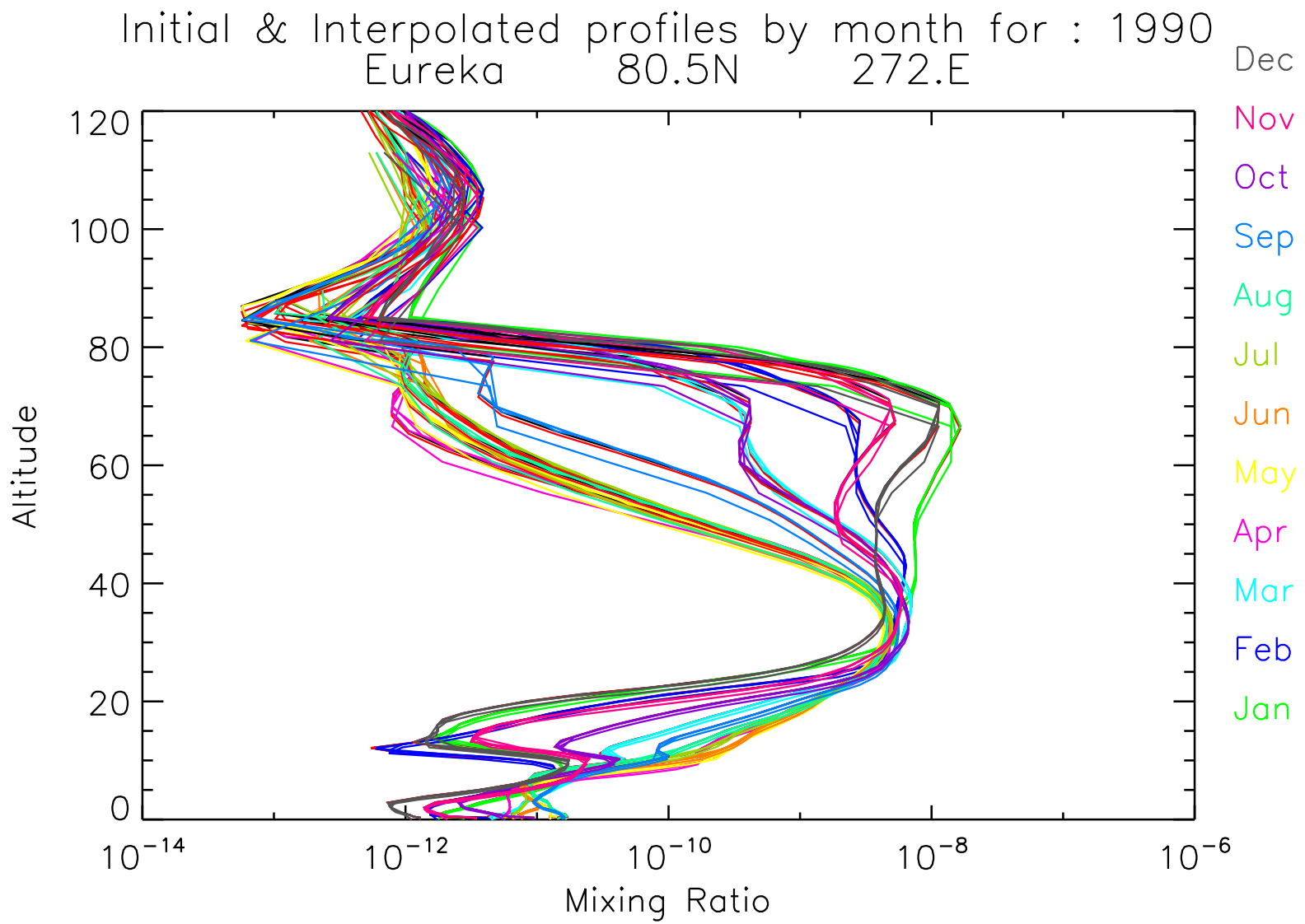
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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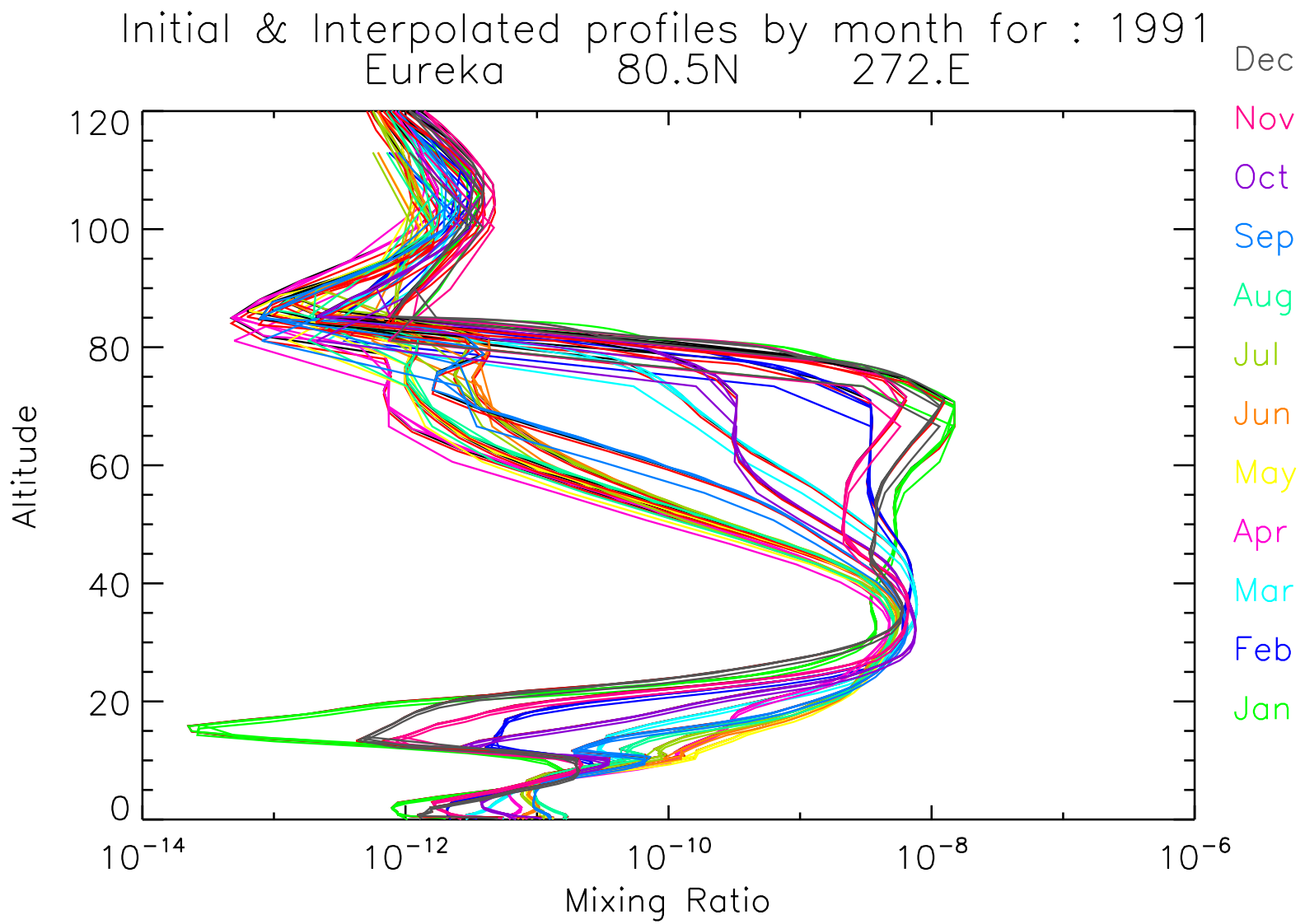
Initial & Interpolated profiles by month for : 1991
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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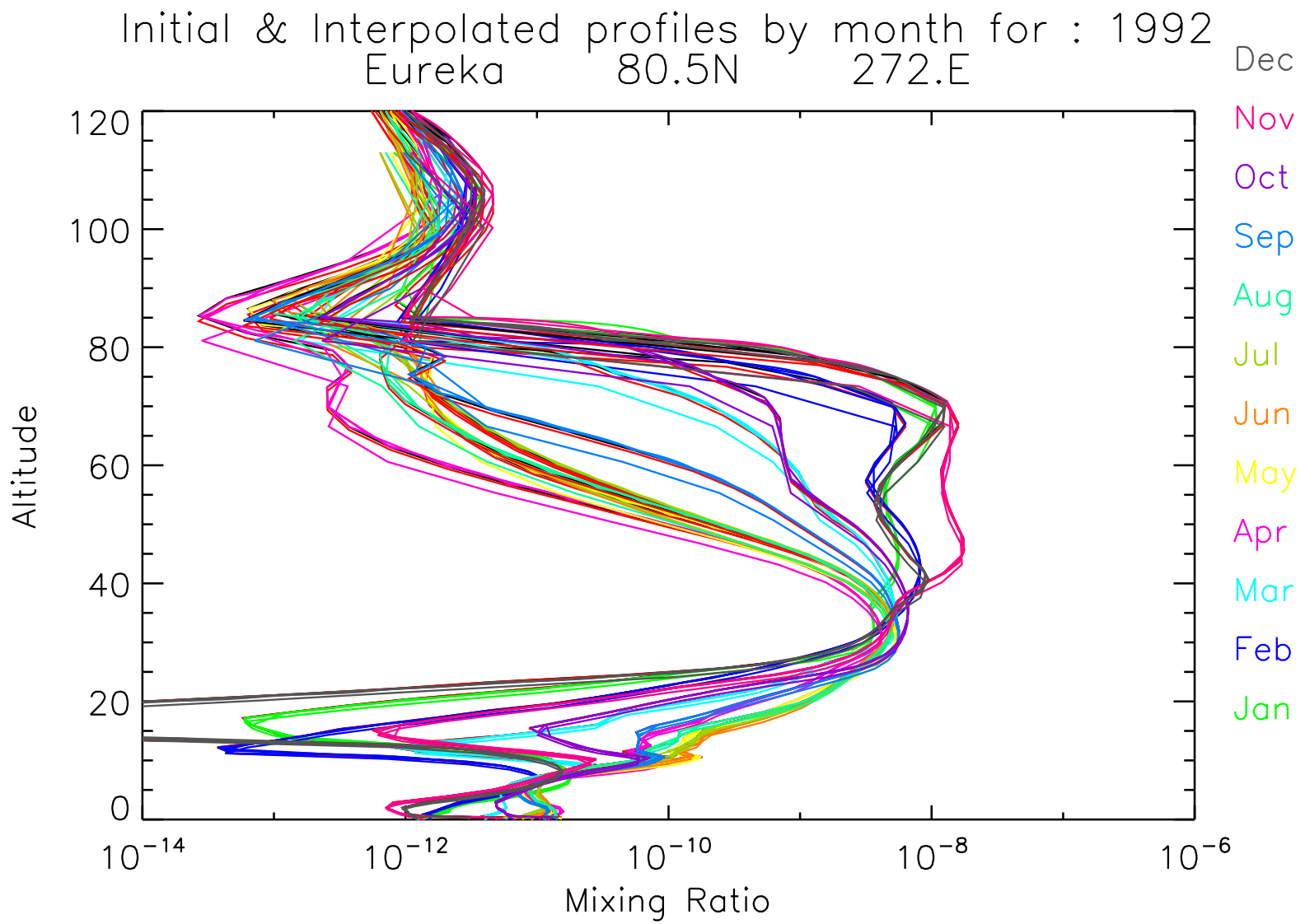
Initial & Interpolated profiles by month for : 1992
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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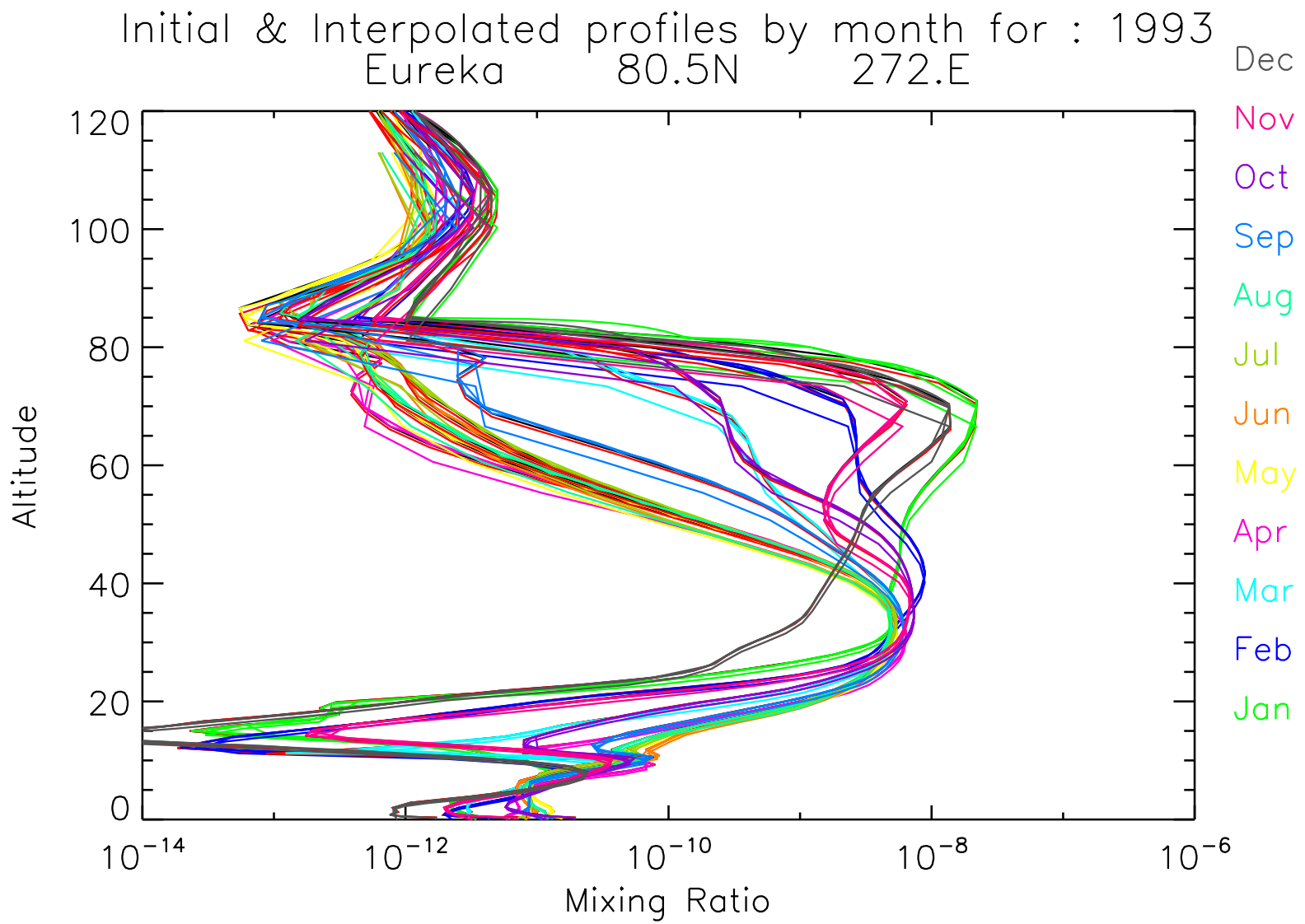
Initial & Interpolated profiles by month for : 1993
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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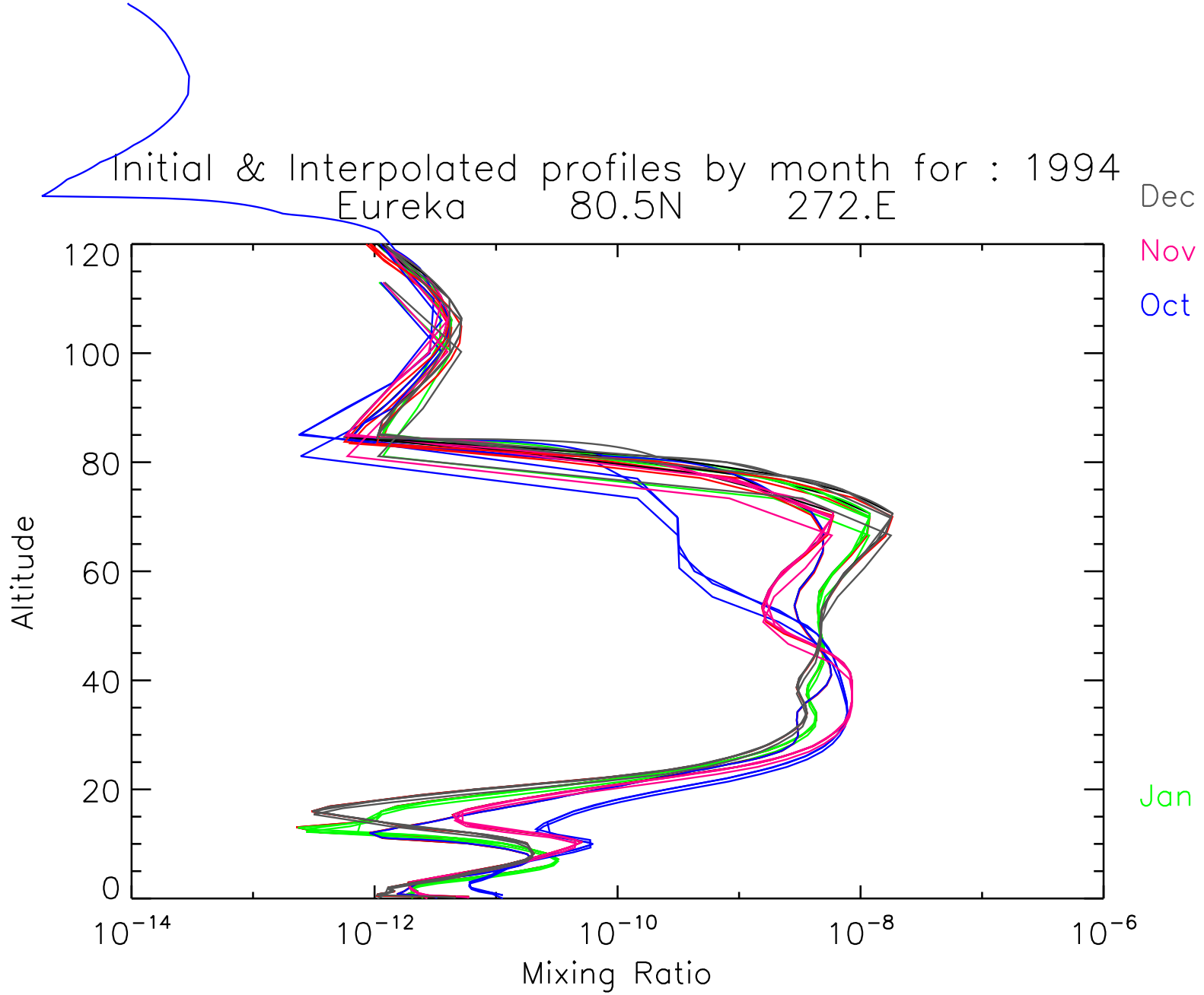
Initial & Interpolated profiles by month for : 1994
Eureka 80.5N 272.E
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Altitude
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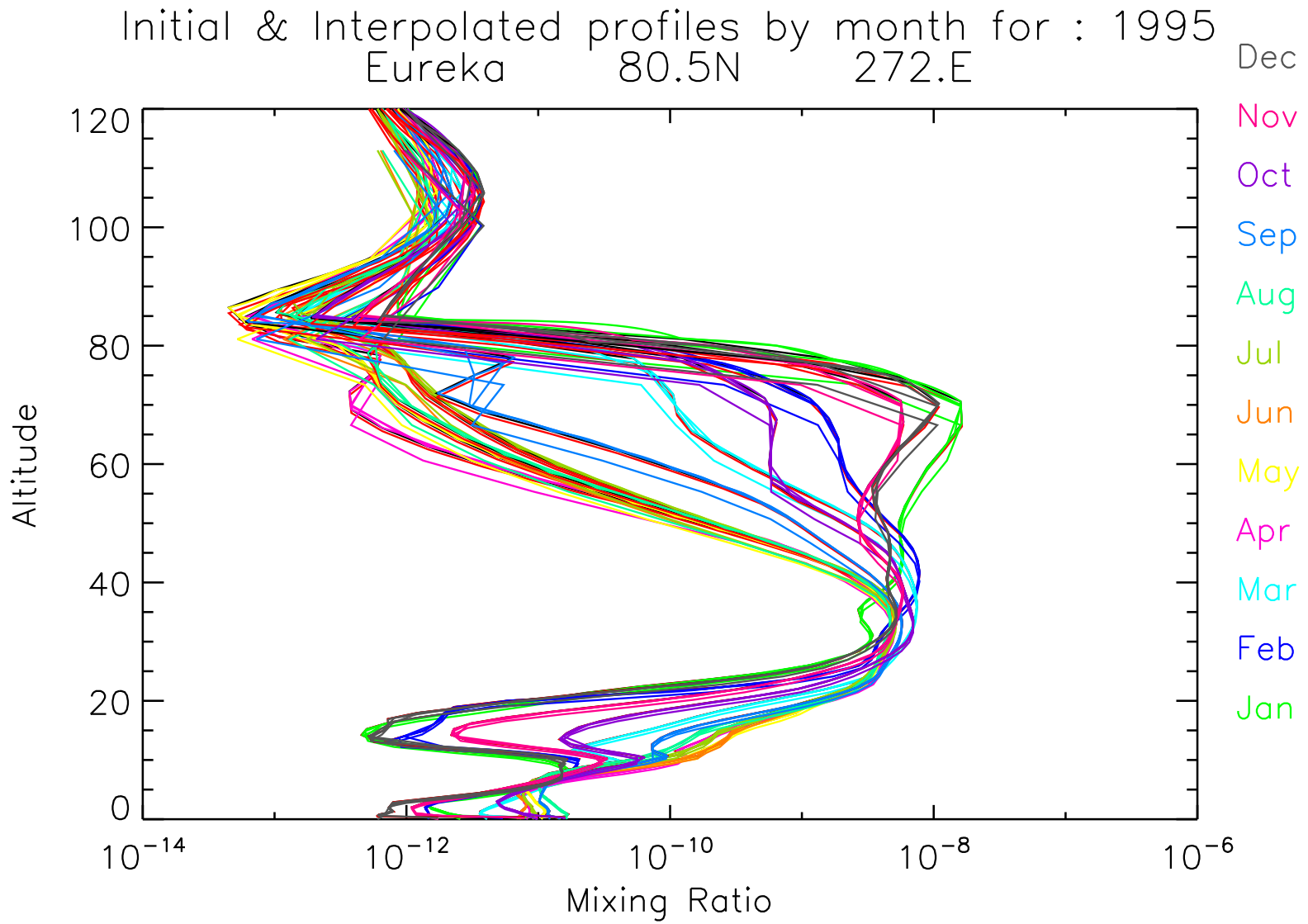
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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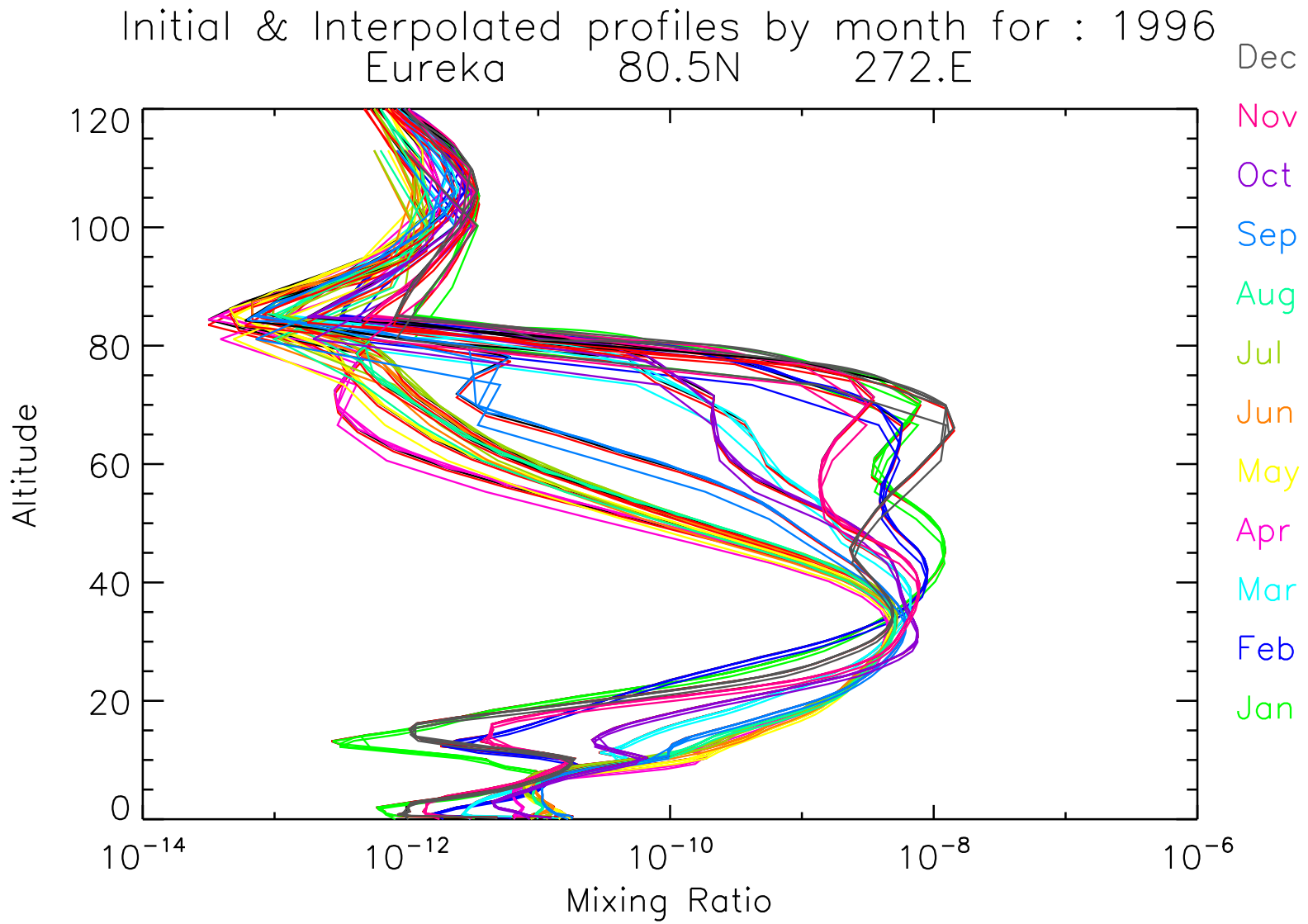
Initial & Interpolated profiles by month for : 1996
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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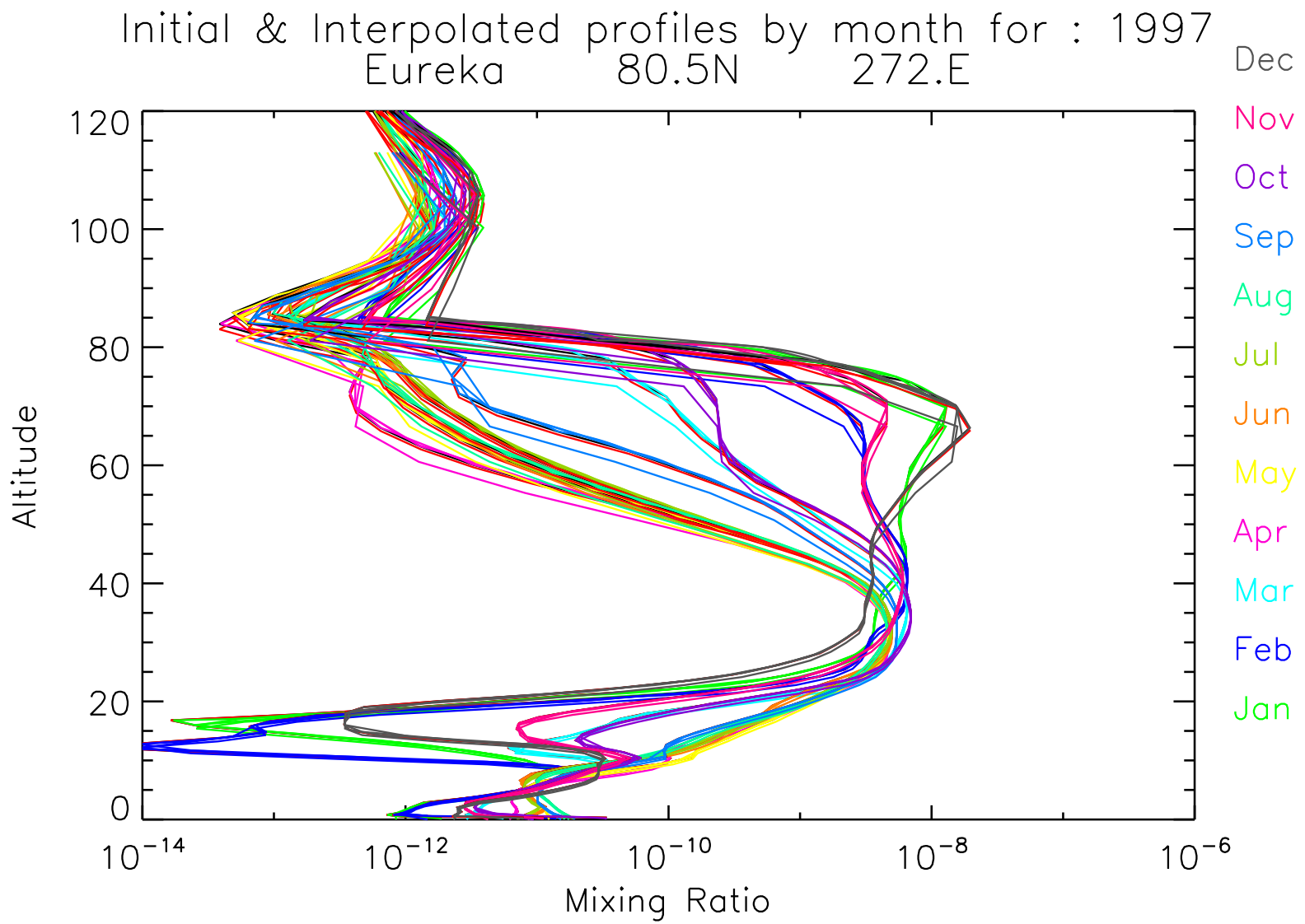
Initial & Interpolated profiles by month for : 1997
Eureka 80.5N 272.E
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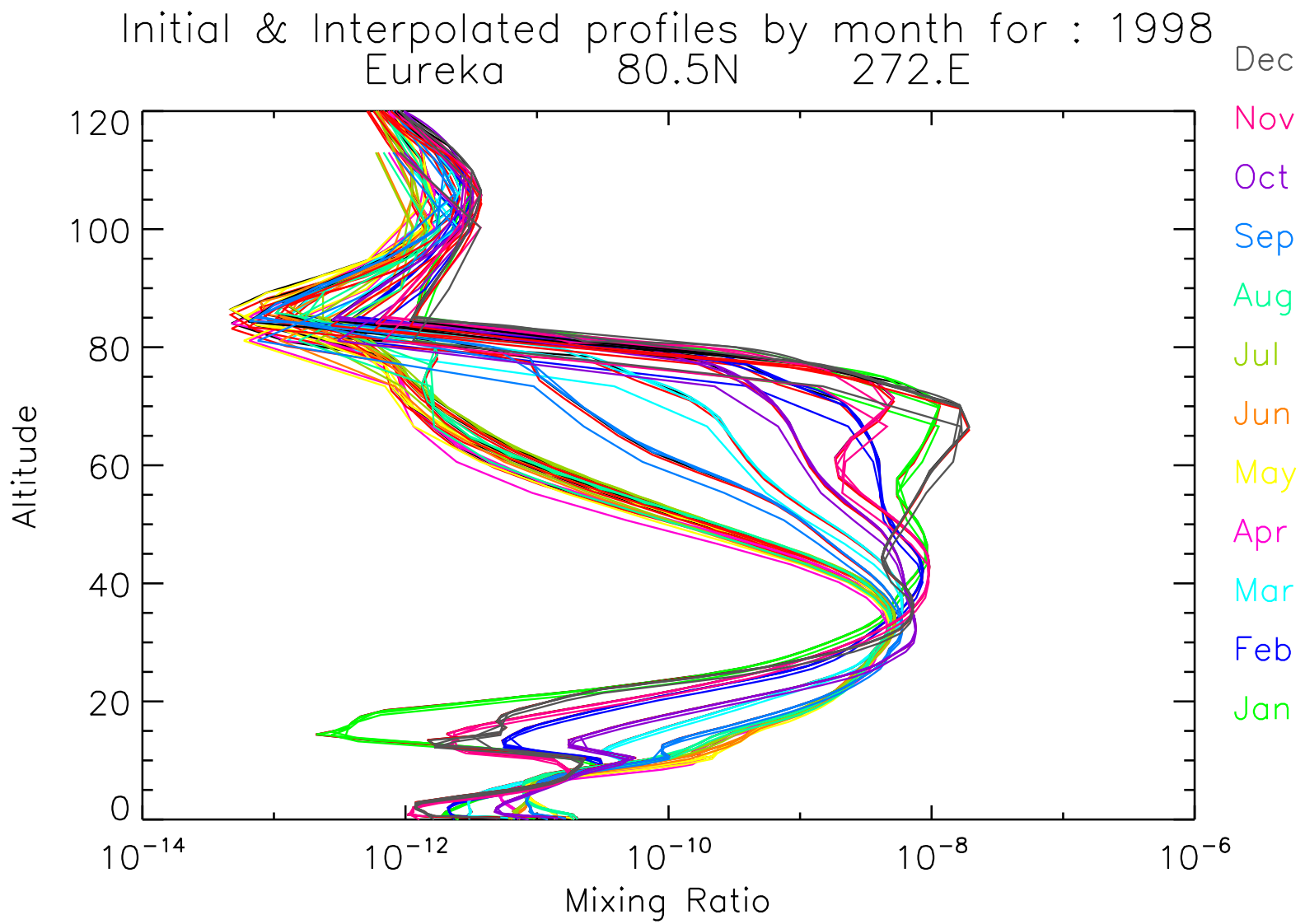
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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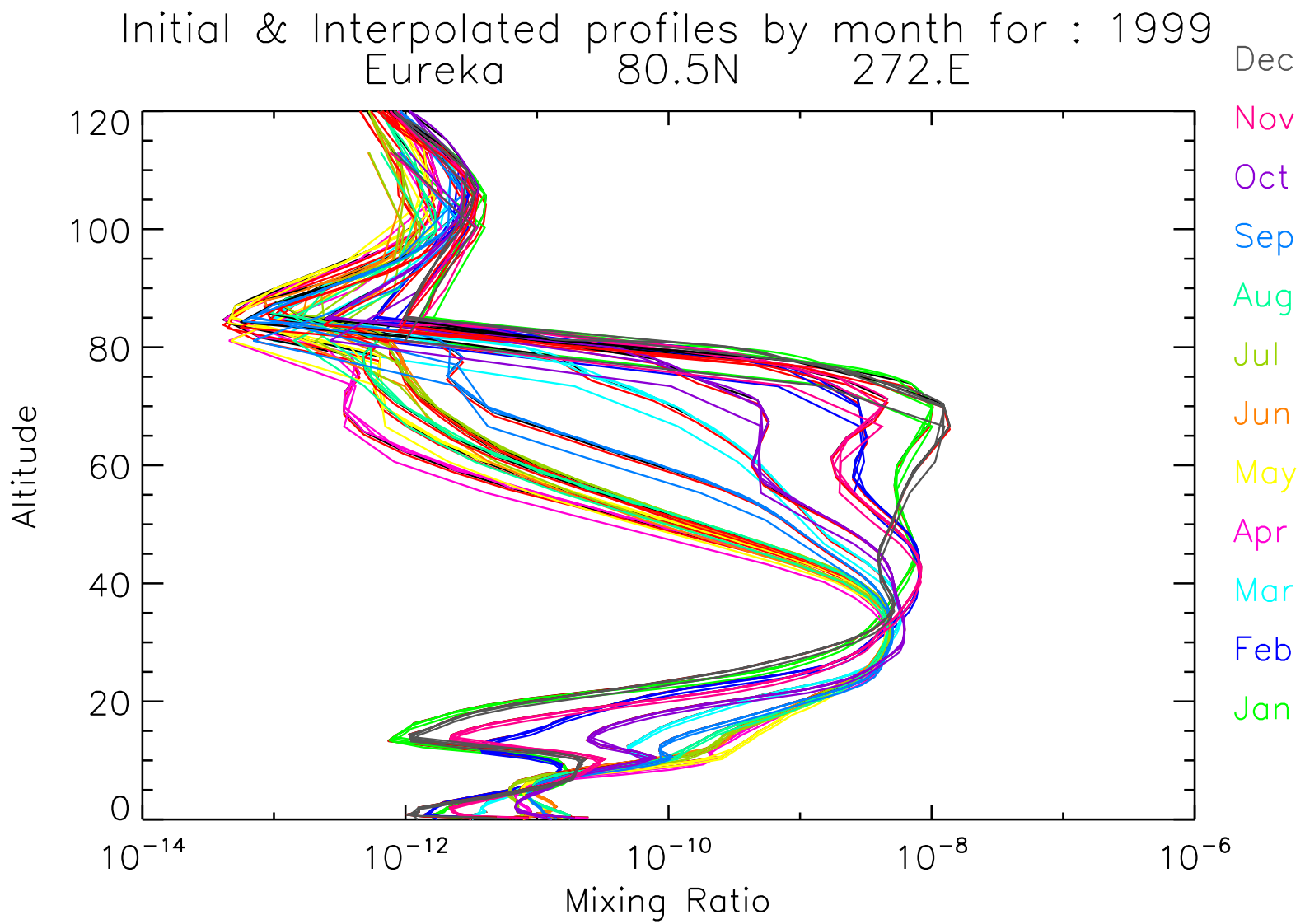
Initial & Interpolated profiles by month for : 1999
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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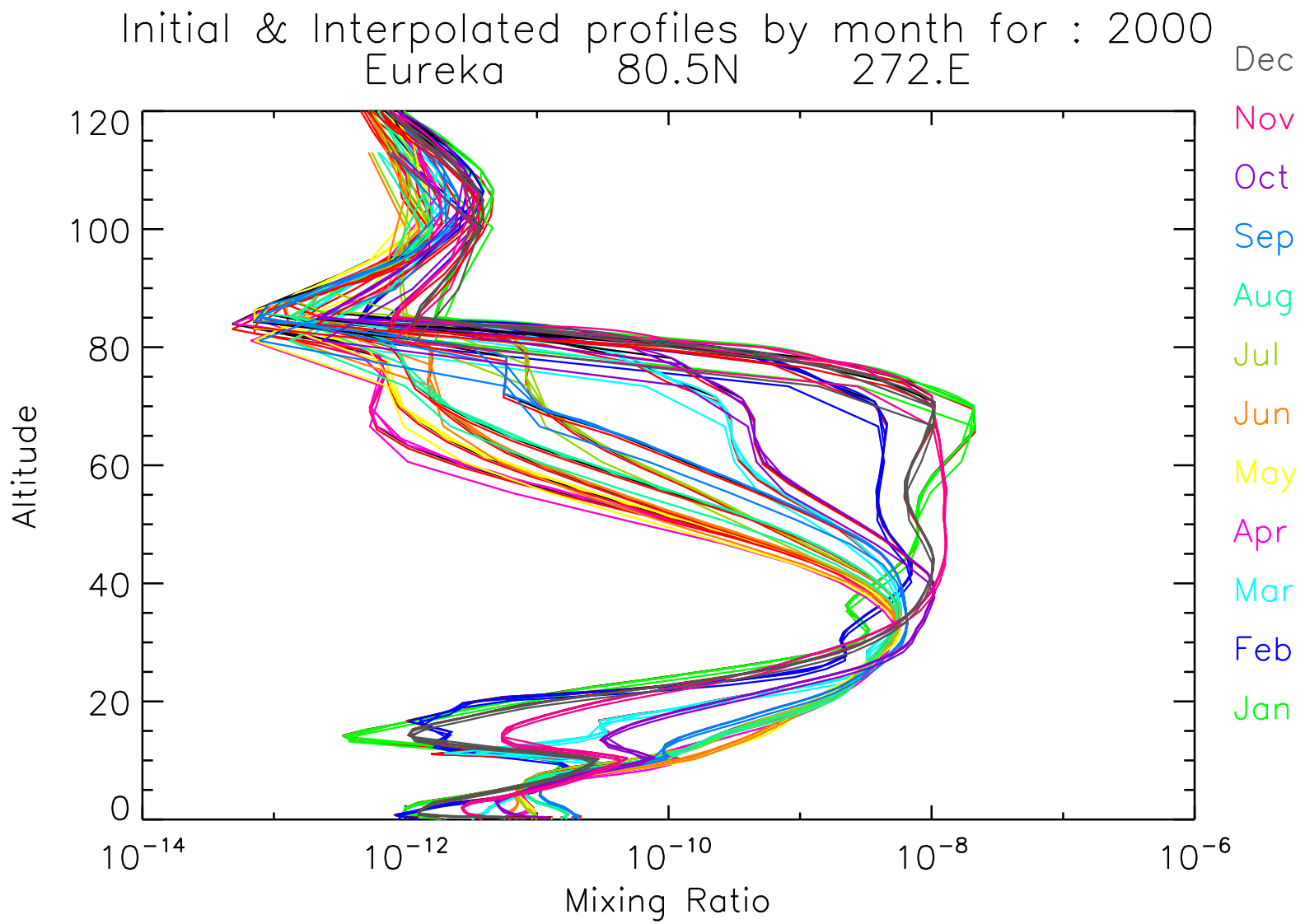
Initial & Interpolated profiles by month for : 2000
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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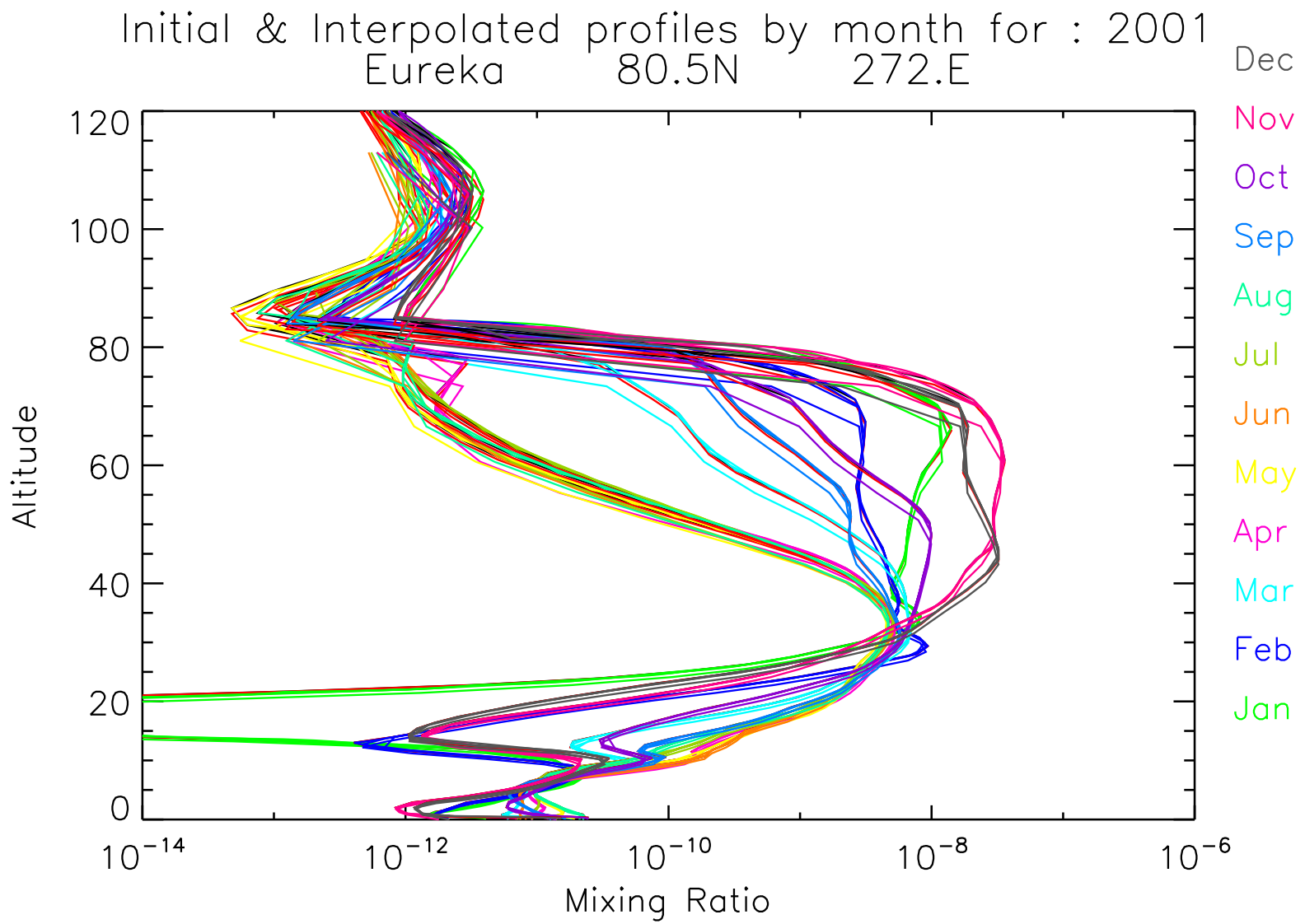
Initial & Interpolated profiles by month for : 2001
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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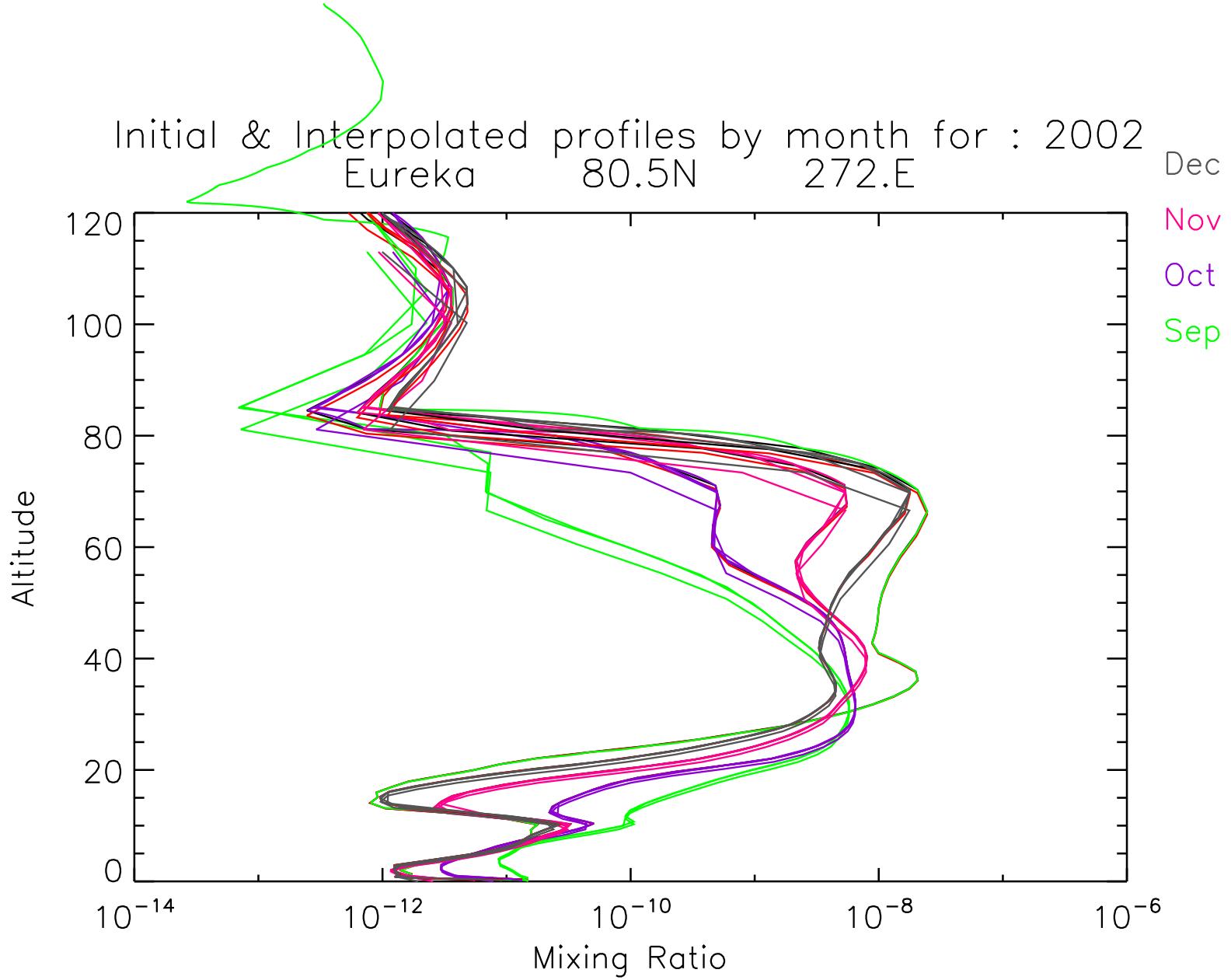
Initial & Interpolated profiles by month for : 2002
Eureka 80.5N 272.E
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Altitude
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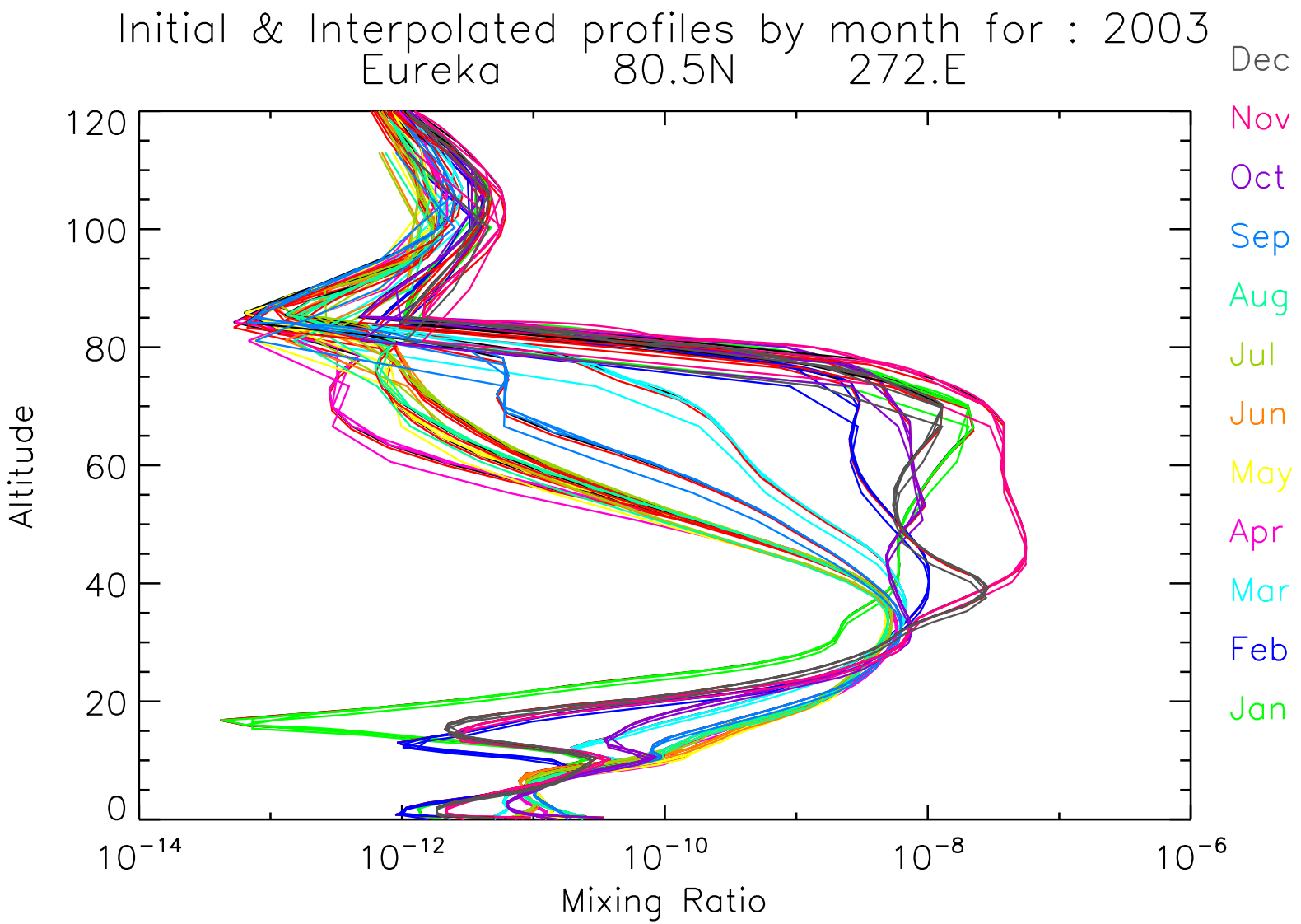
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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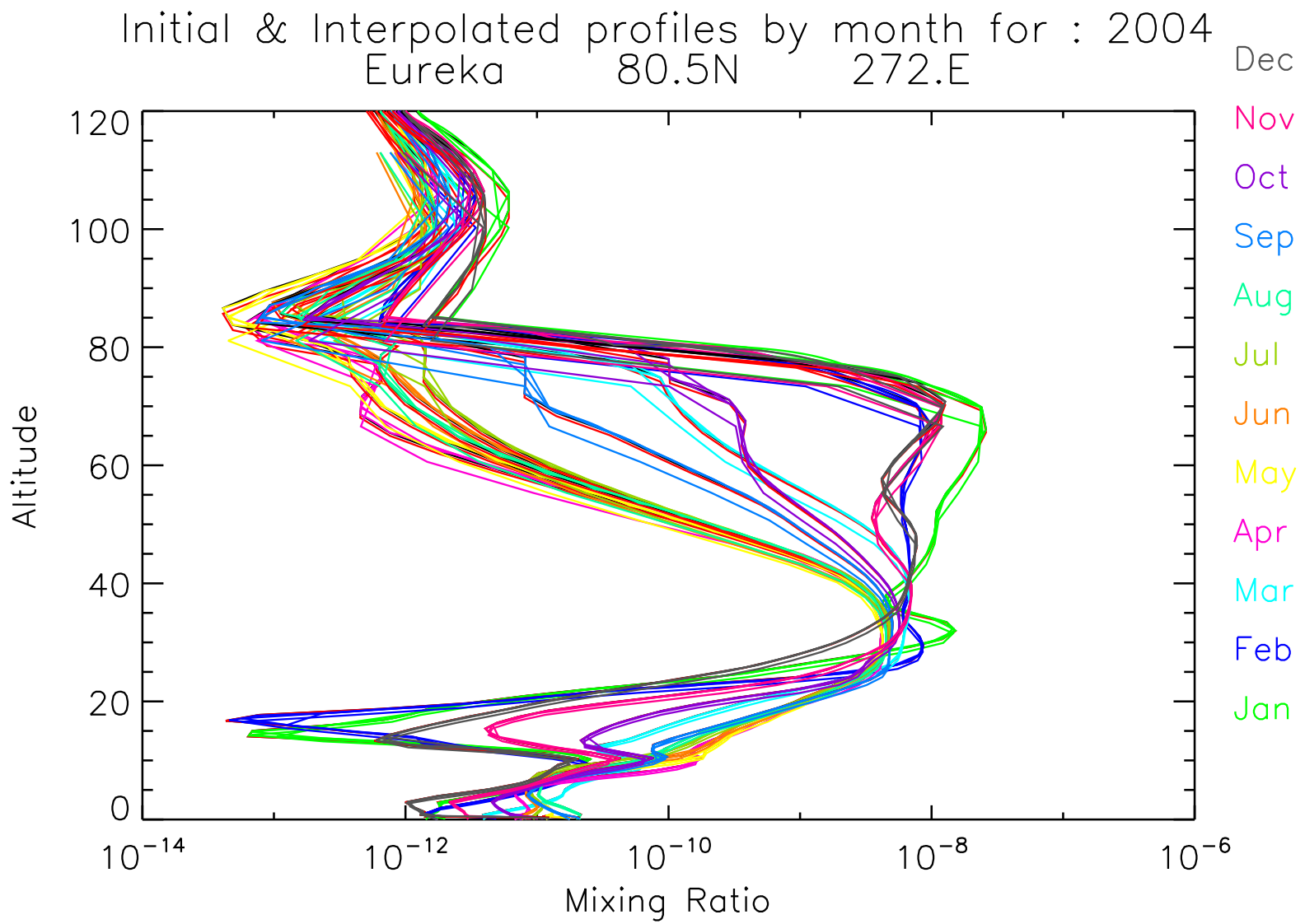
Initial & Interpolated profiles by month for : 2004
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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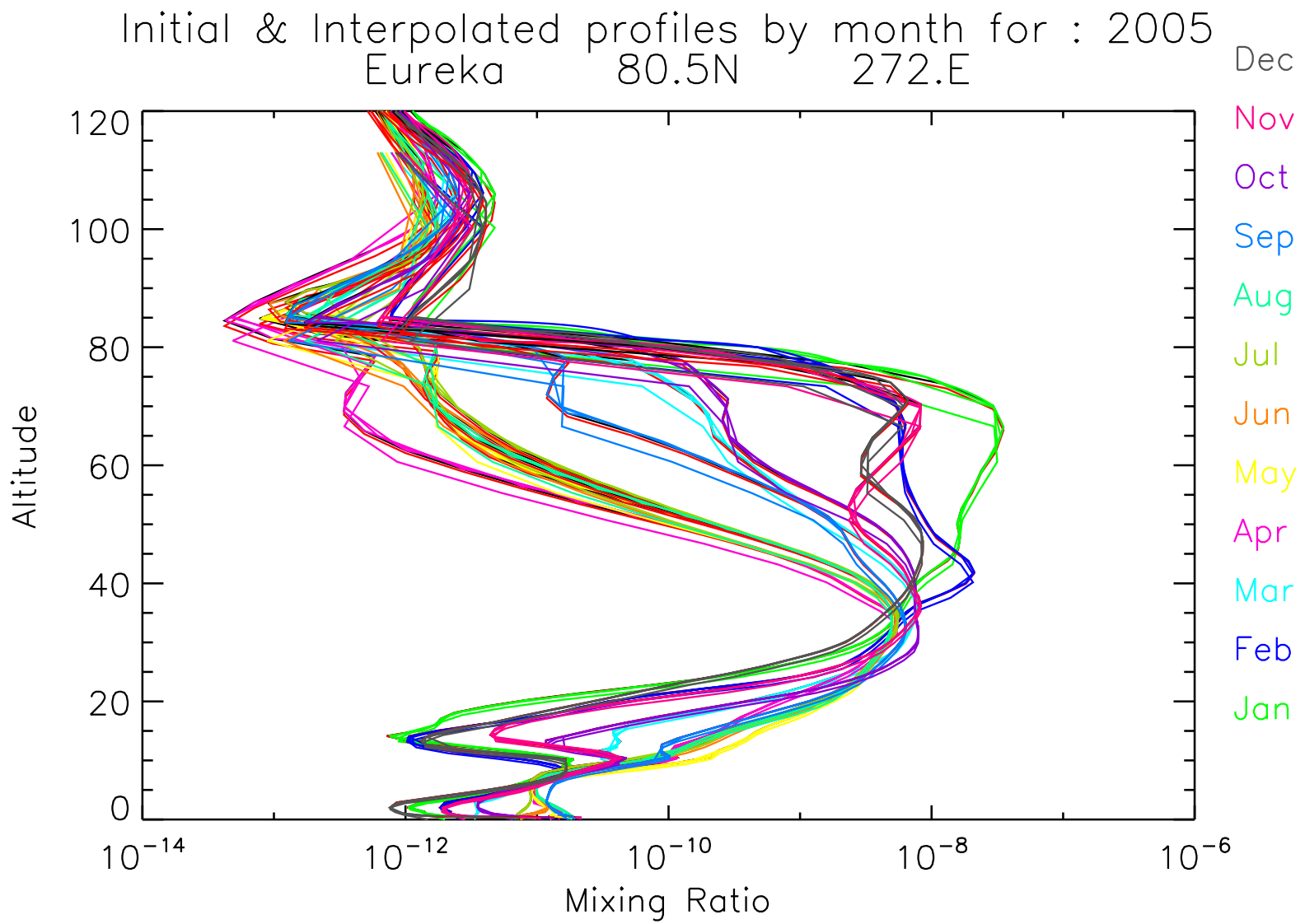
Initial & Interpolated profiles by month for : 2005
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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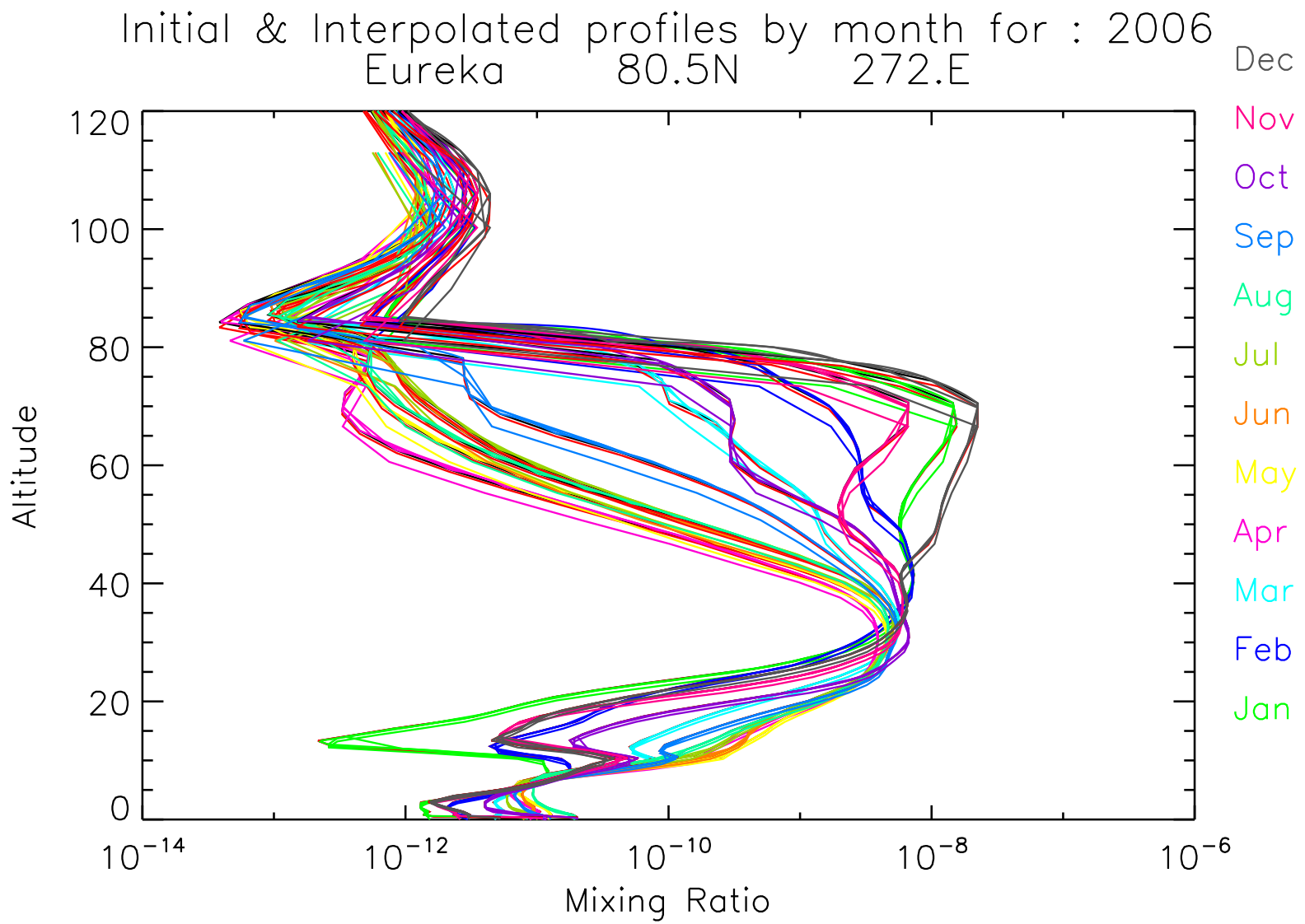
Initial & Interpolated profiles by month for : 2006
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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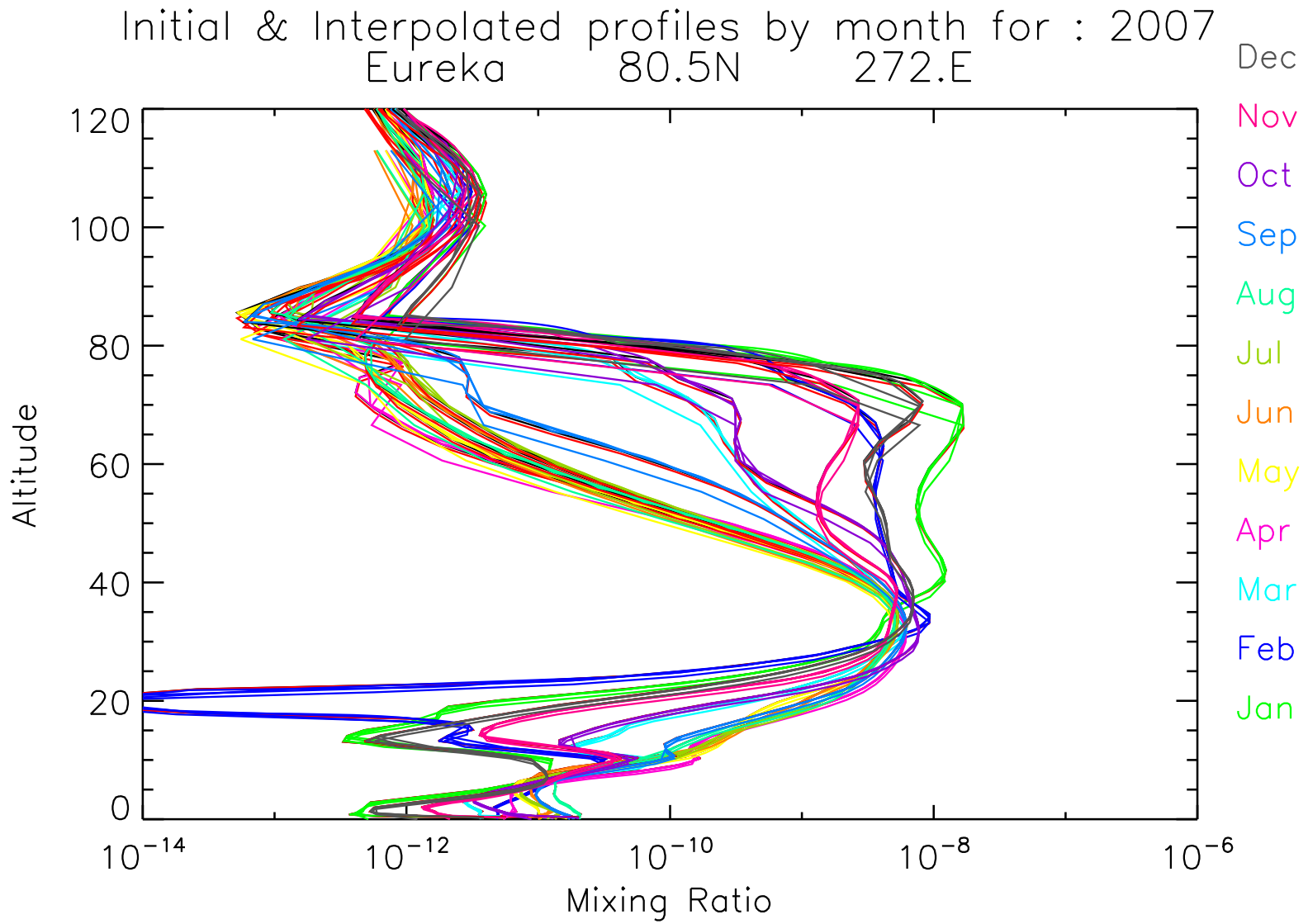
Initial & Interpolated profiles by month for : 2007
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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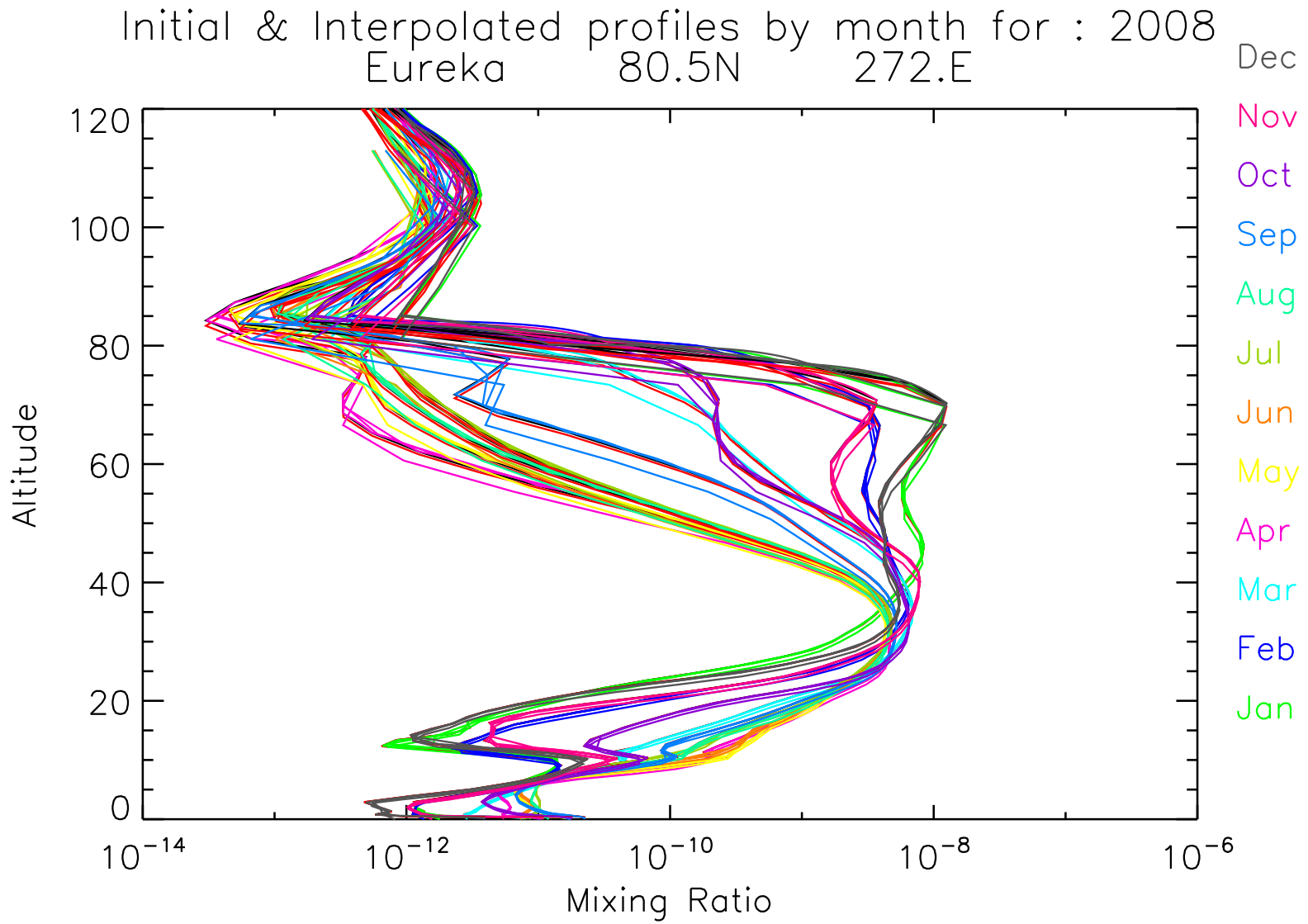
Initial & Interpolated profiles by month for : 2008
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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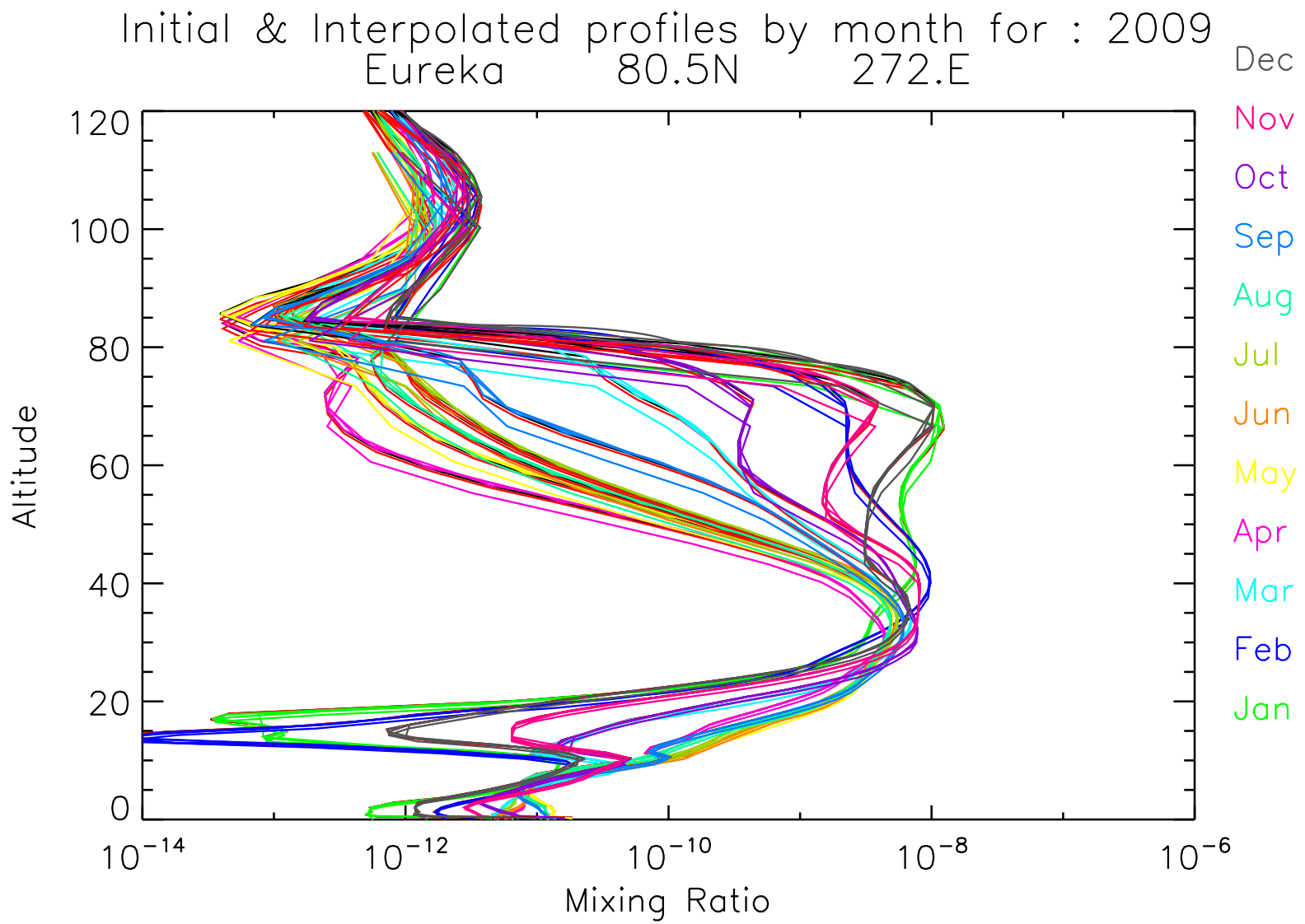
Initial & Interpolated profiles by month for : 2009
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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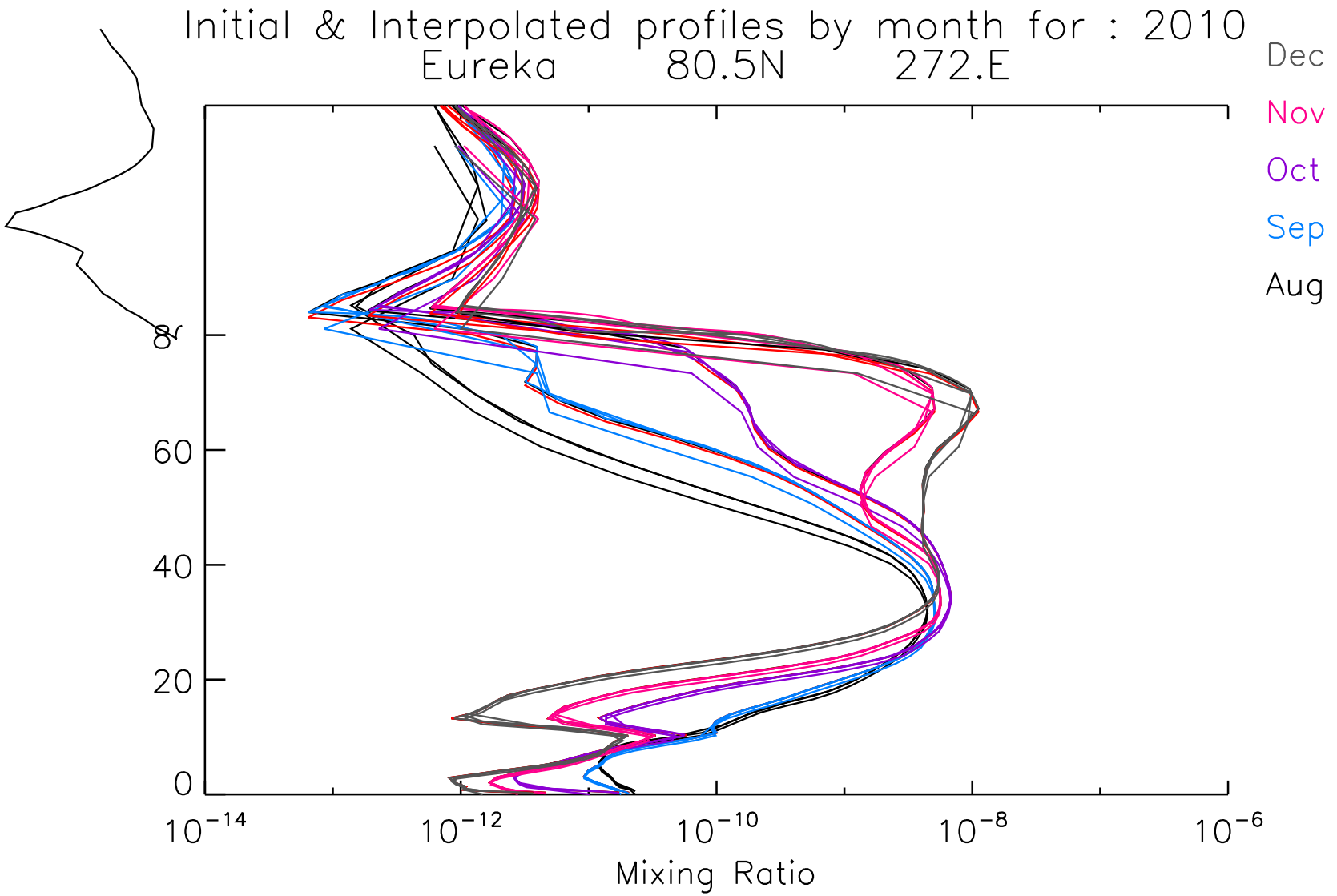
Initial & Interpolated profiles by month for : 2010
Eureka 80.5N 272.E
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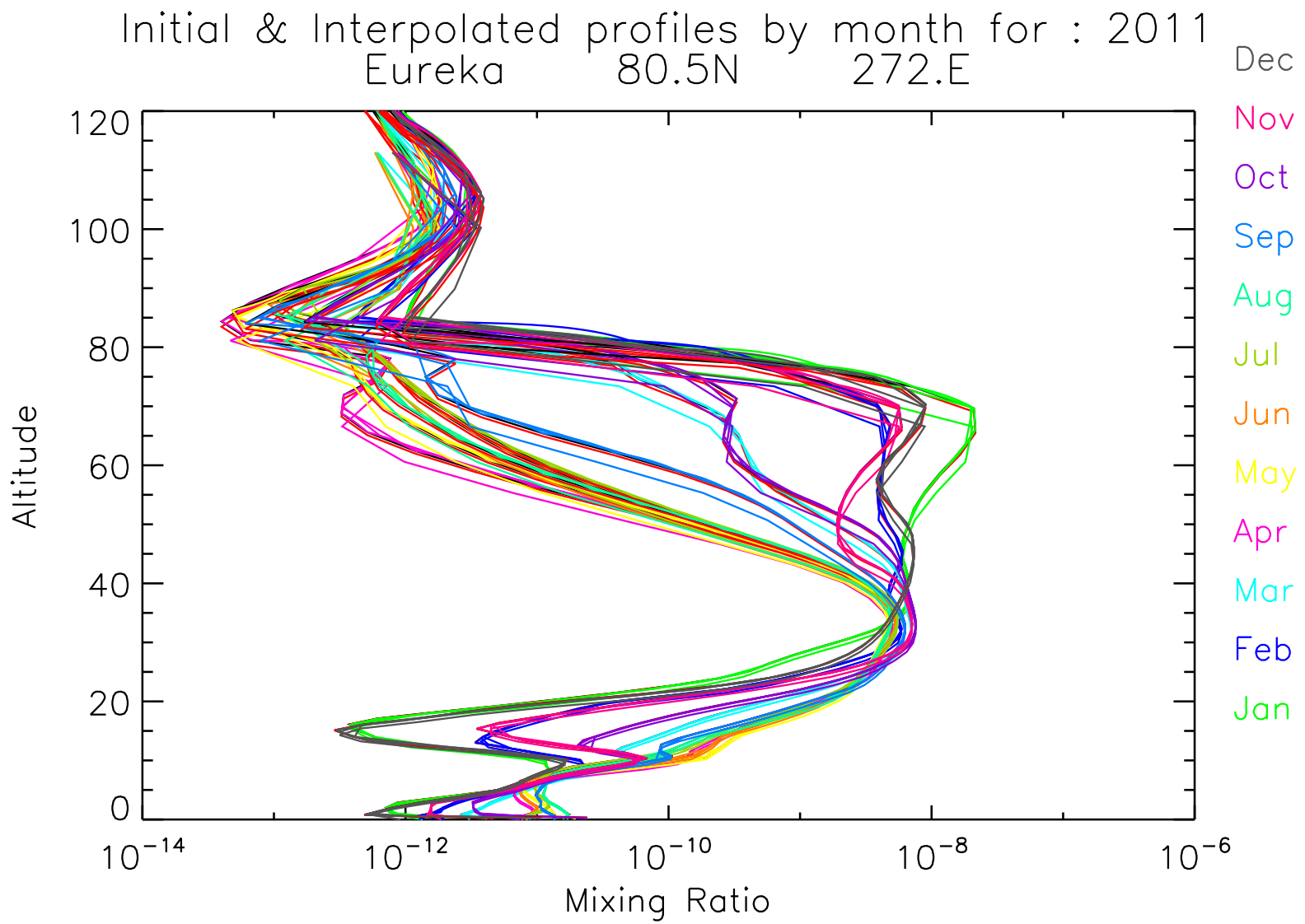
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Eureka 80.5N 272.E
Altitude
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Mixing Ratio
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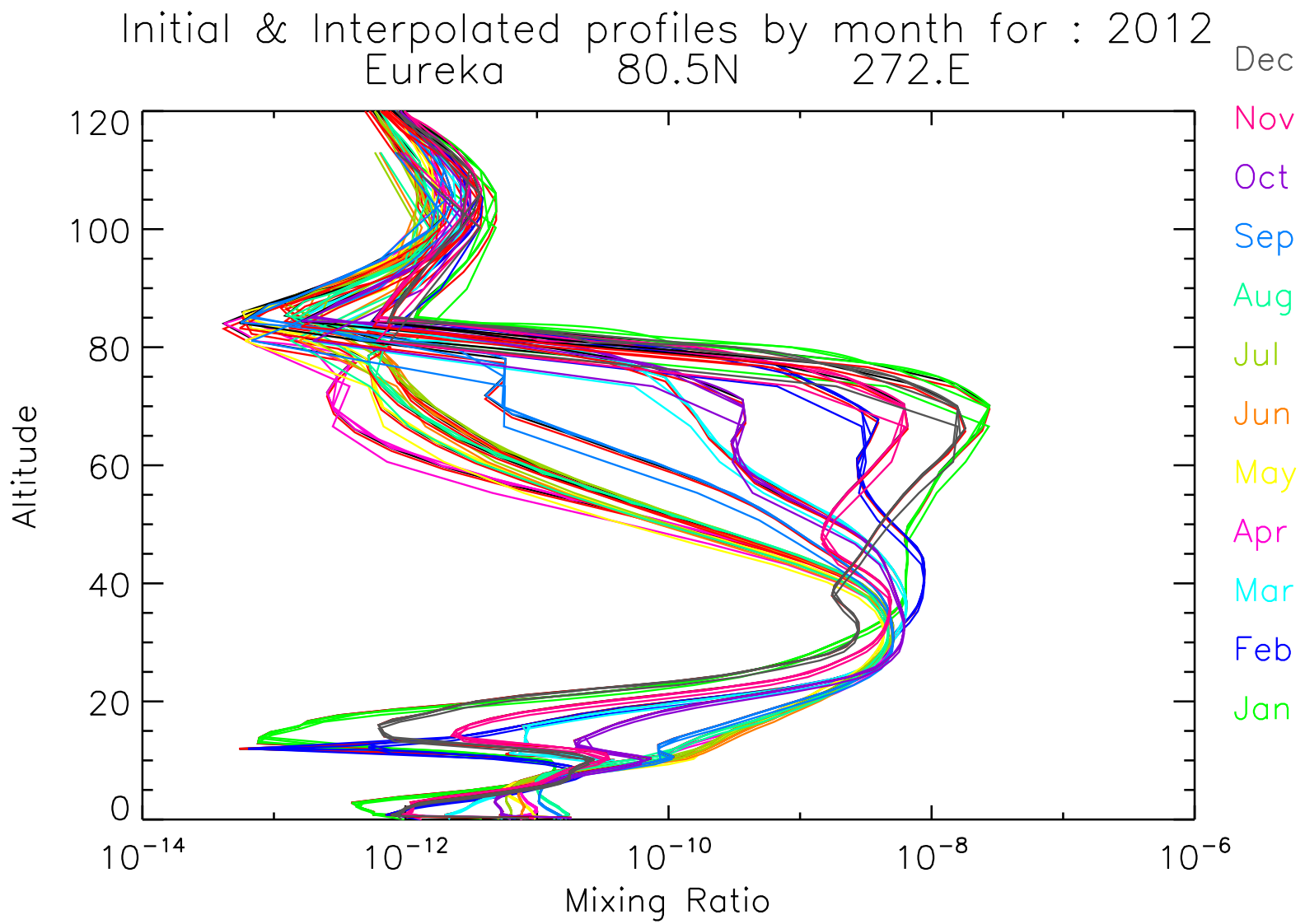
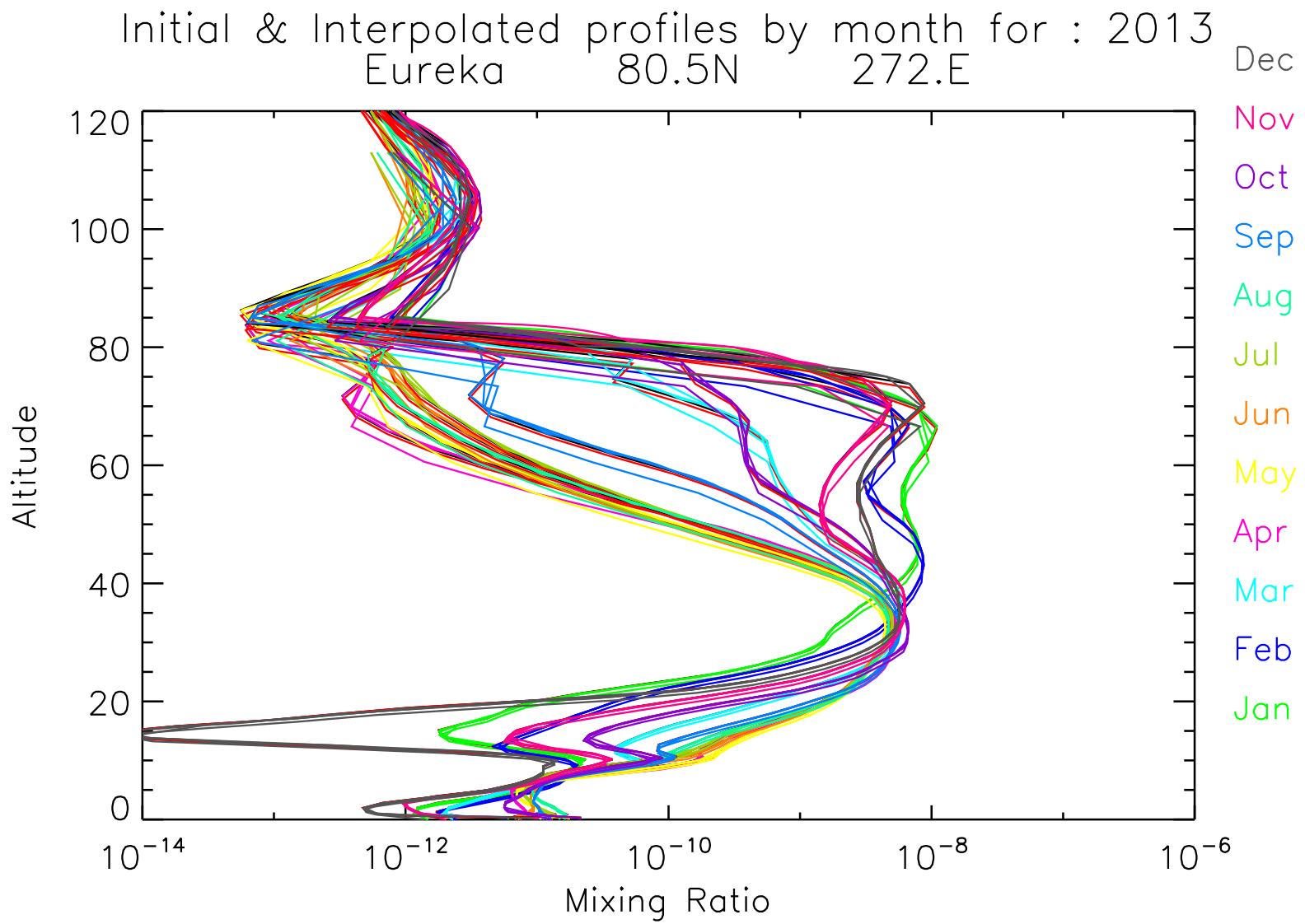
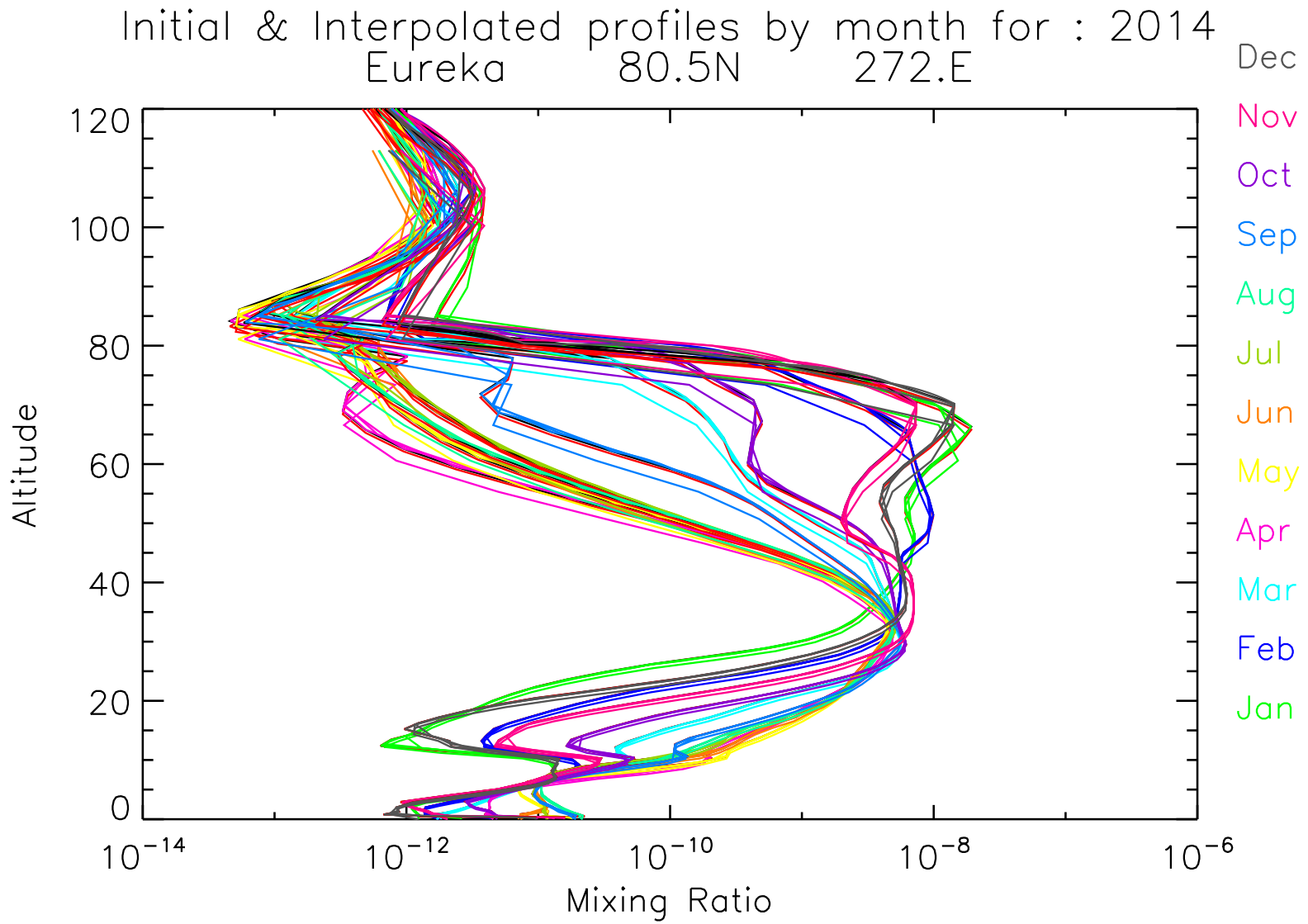
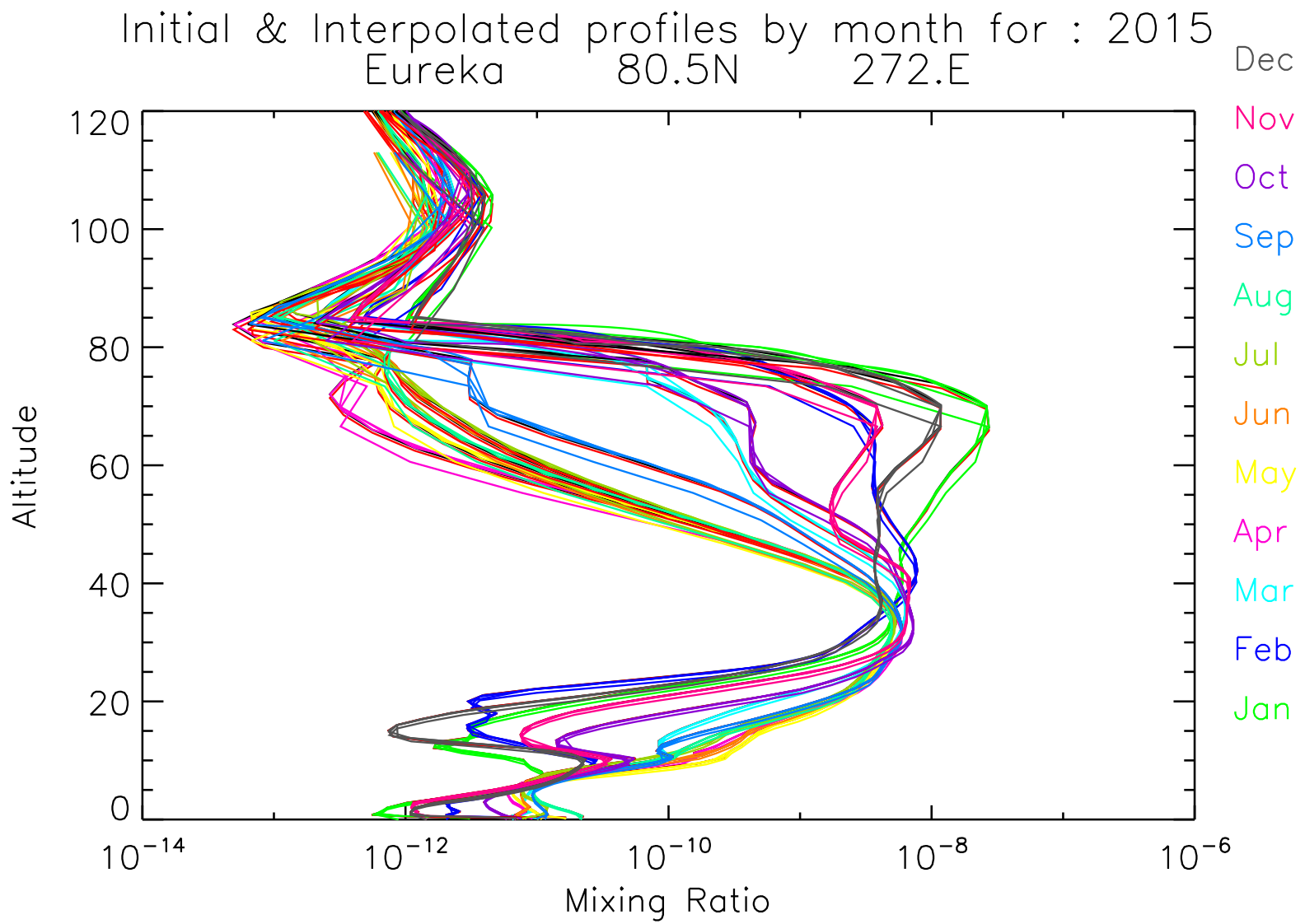
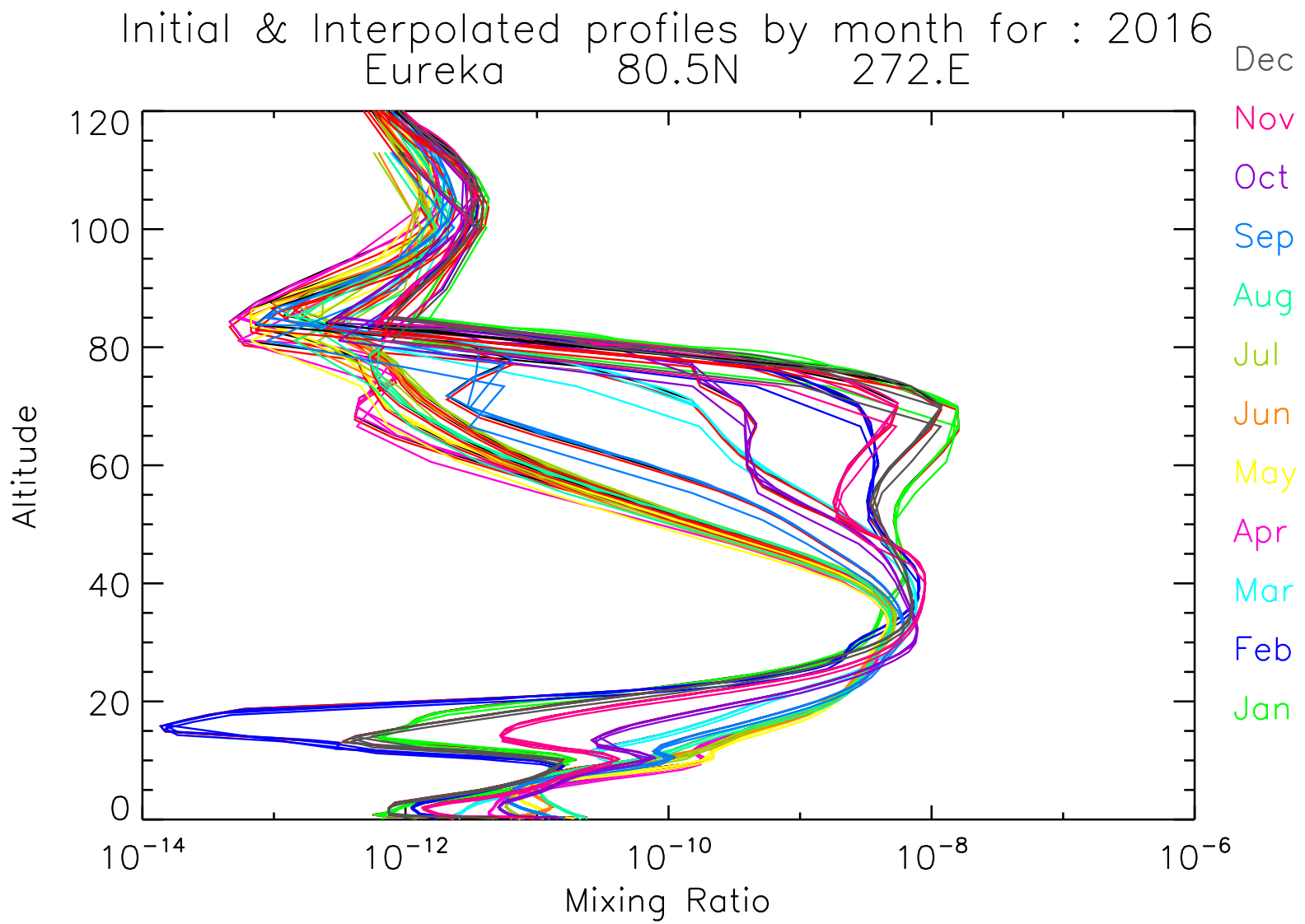
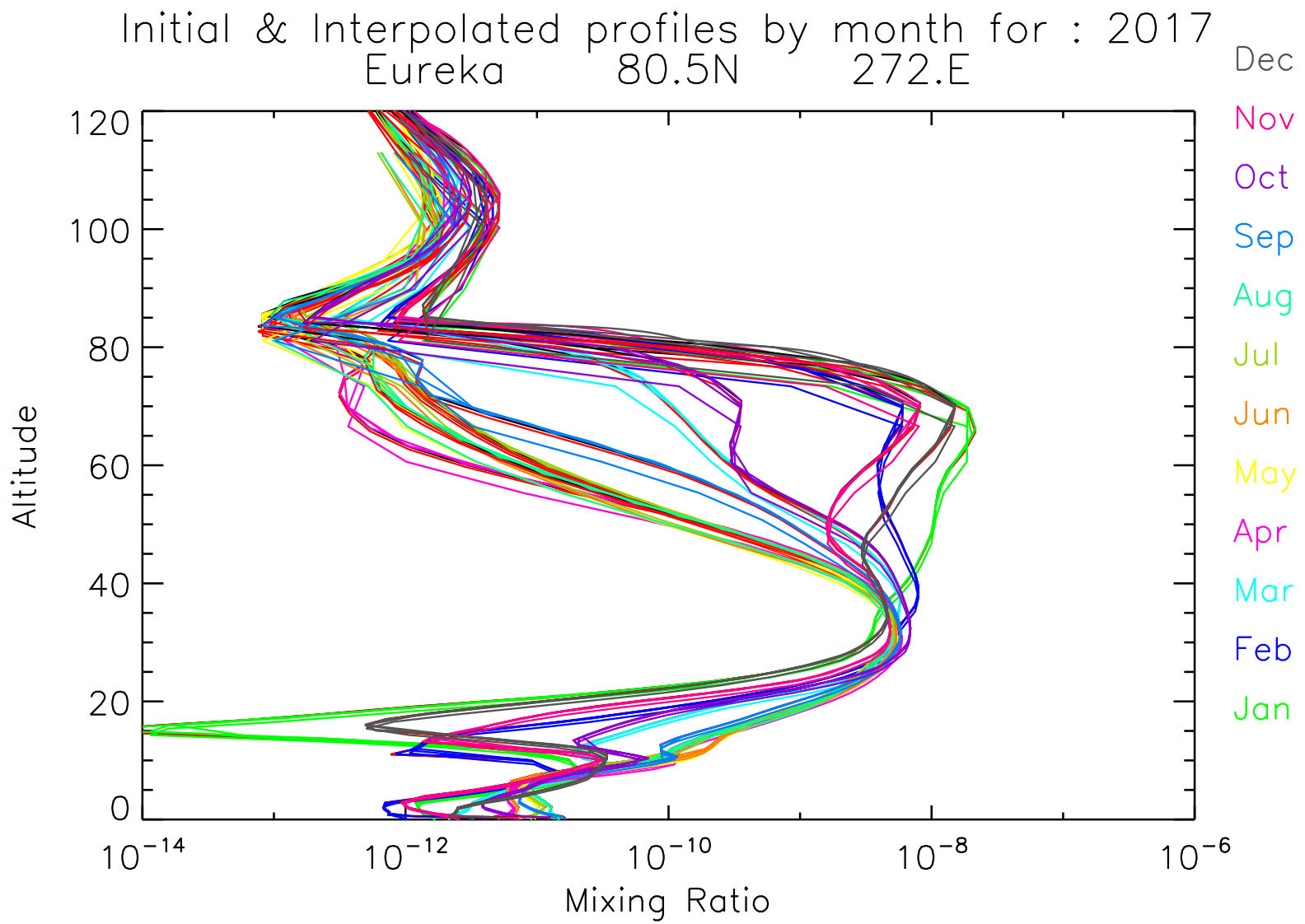

Initial & Interpolated profiles by month for : 2012
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2013
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2014
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2015
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2016
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2017
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
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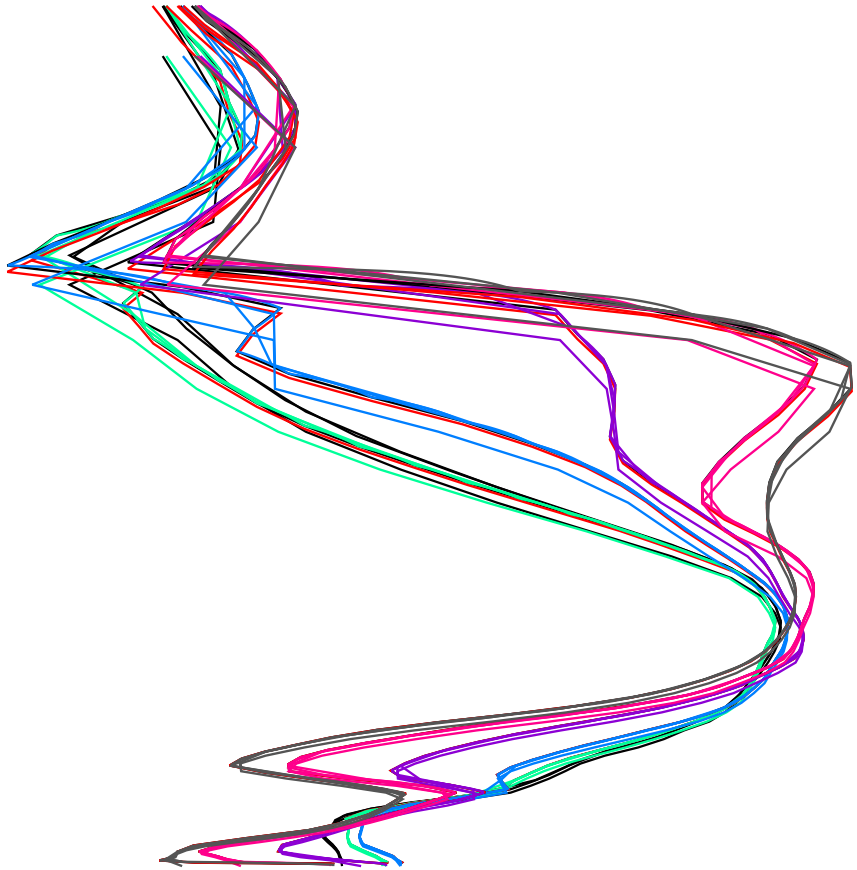
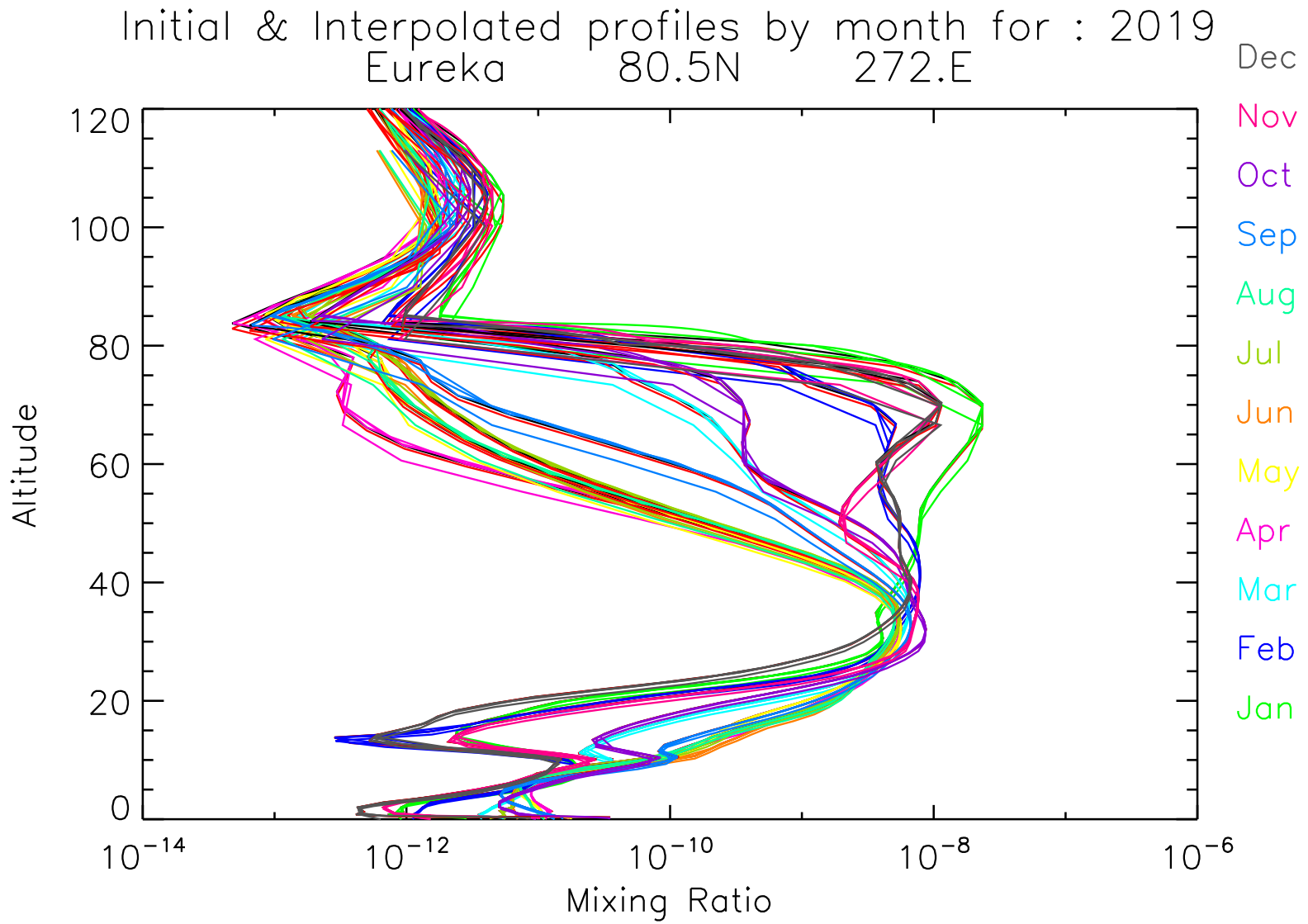
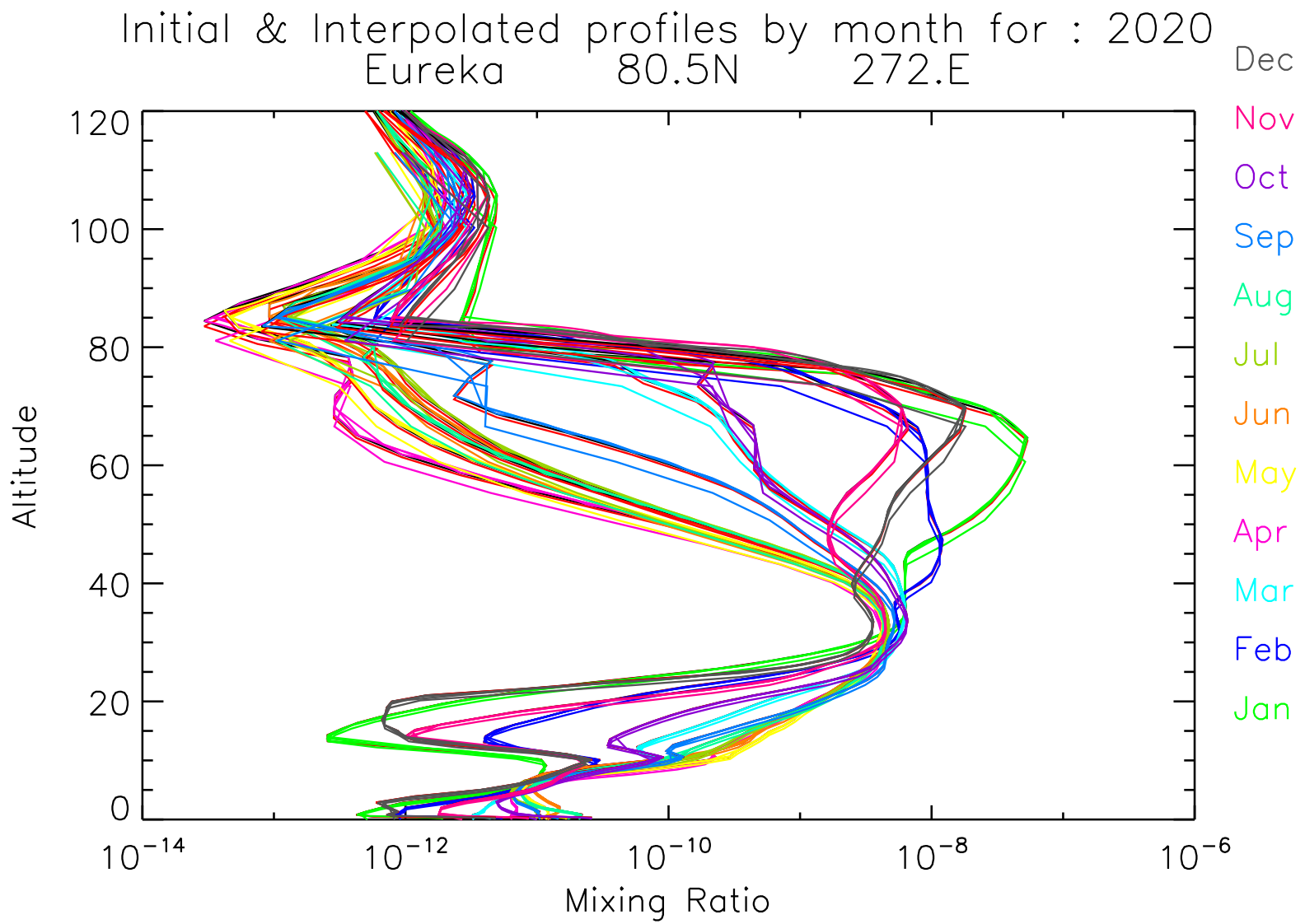
Jul
Jun
May
Apr
Mar
Feb
Jan

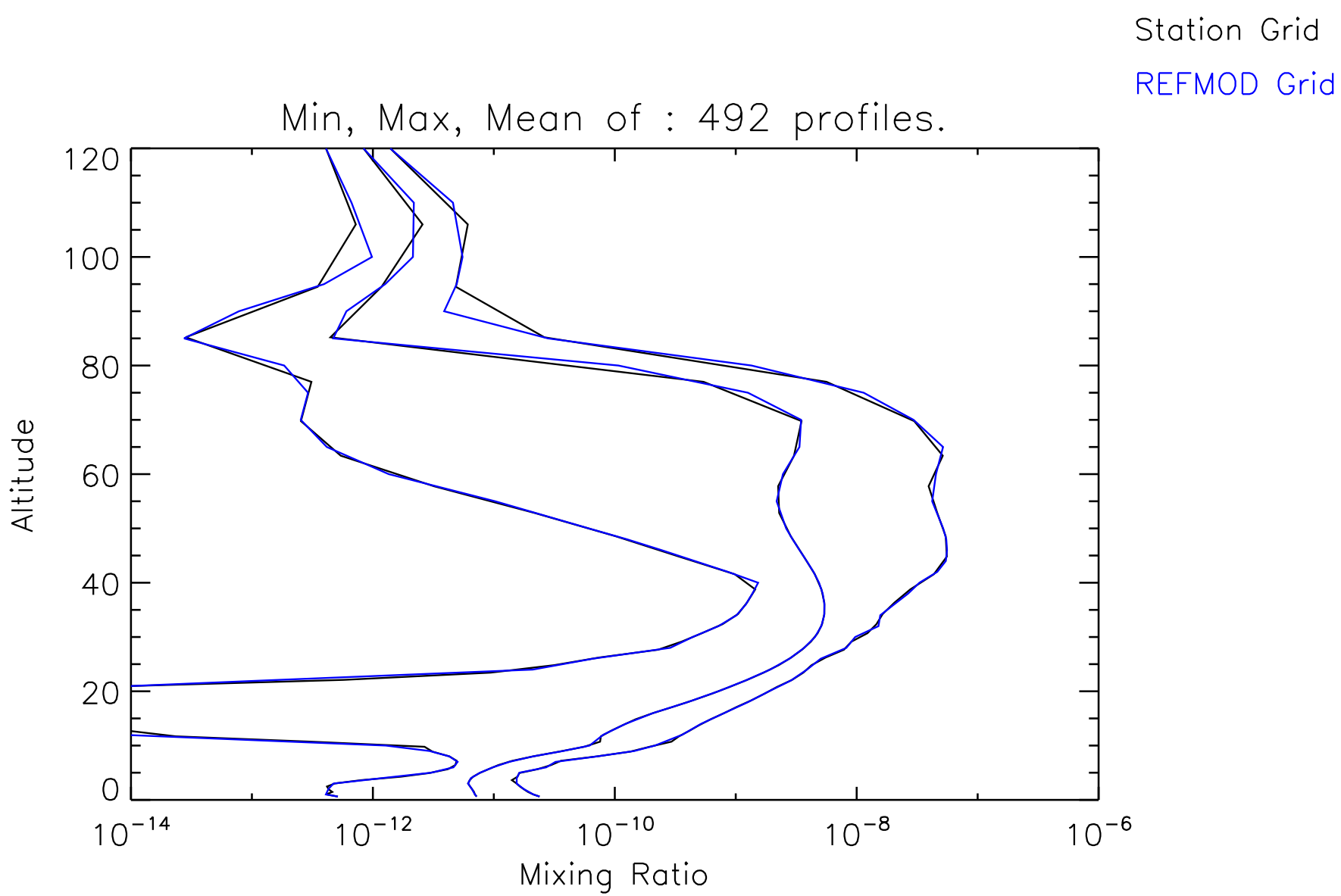
Initial & Interpolated profiles by mor

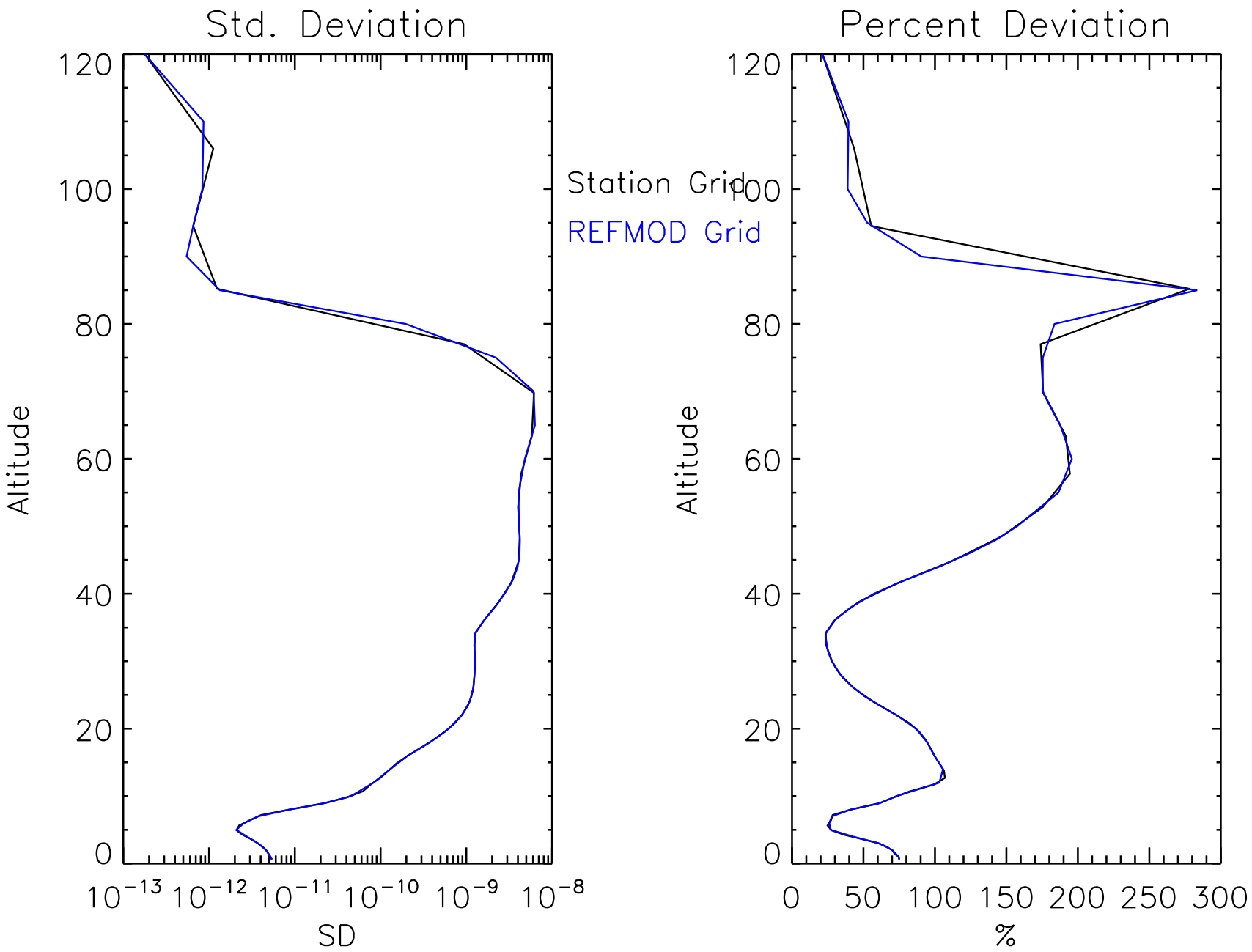


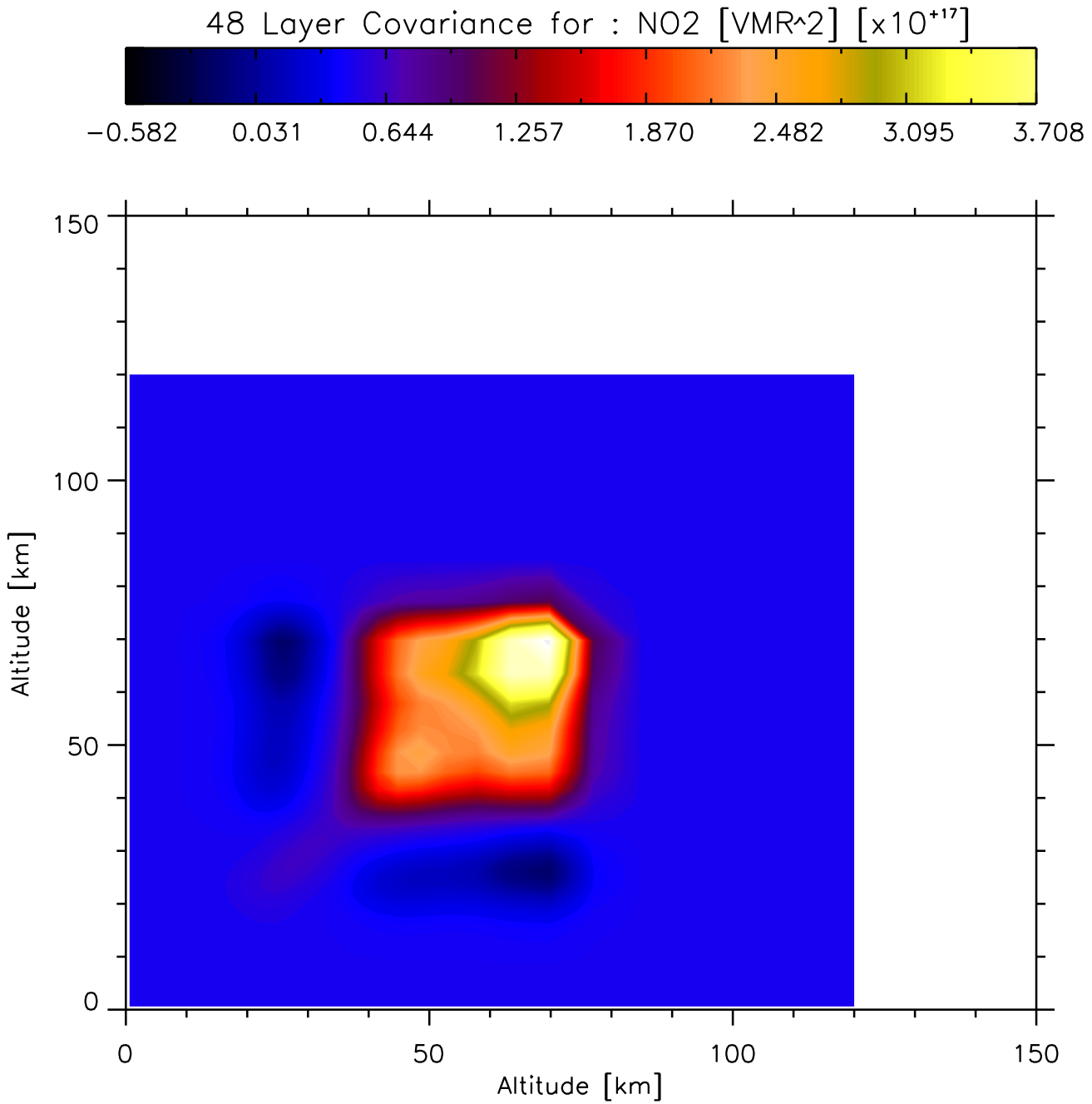
Dec
Nov
Oct
Sep
Aug
Jul

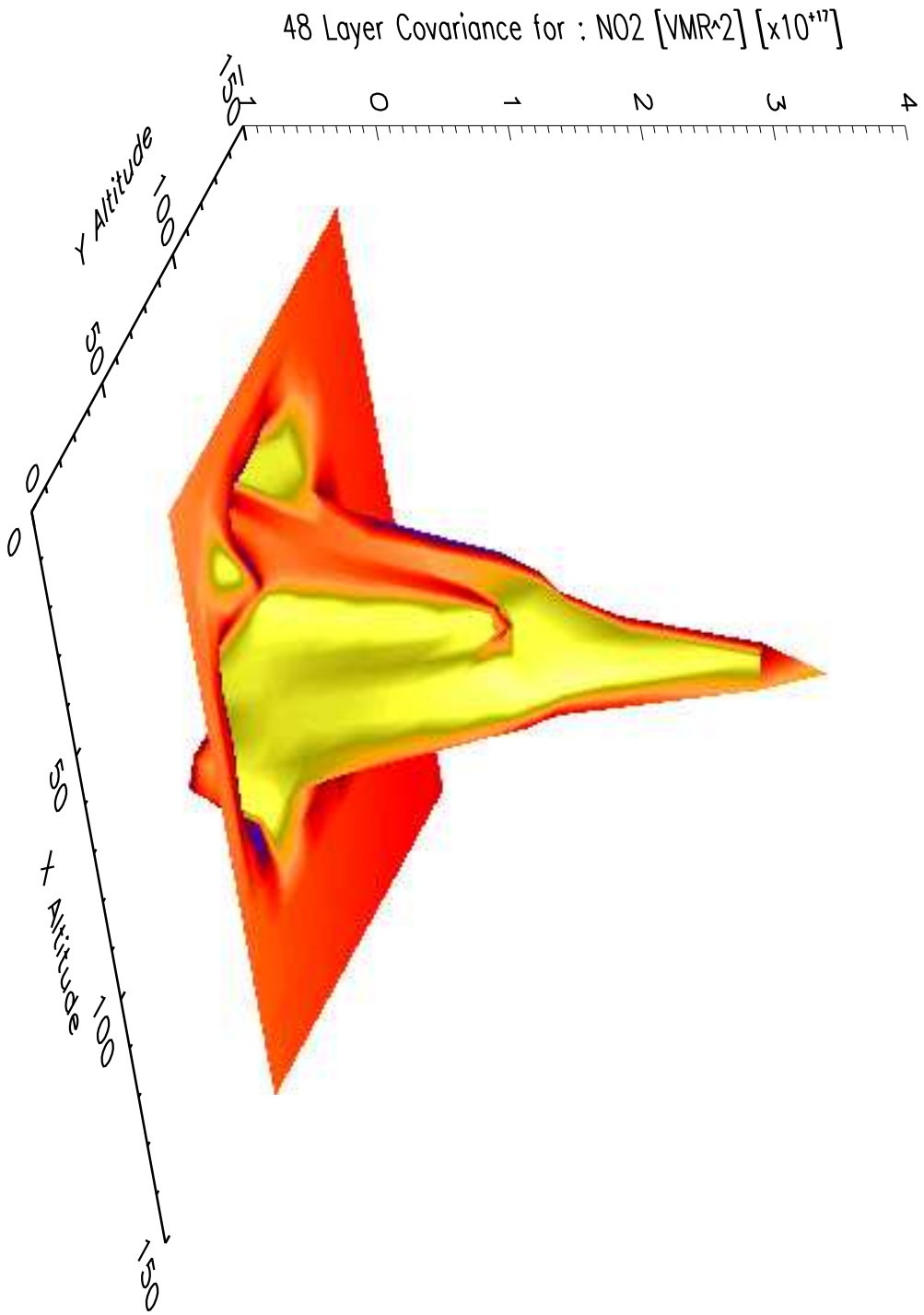

Initial & Interpolated profiles by month for : 2019
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

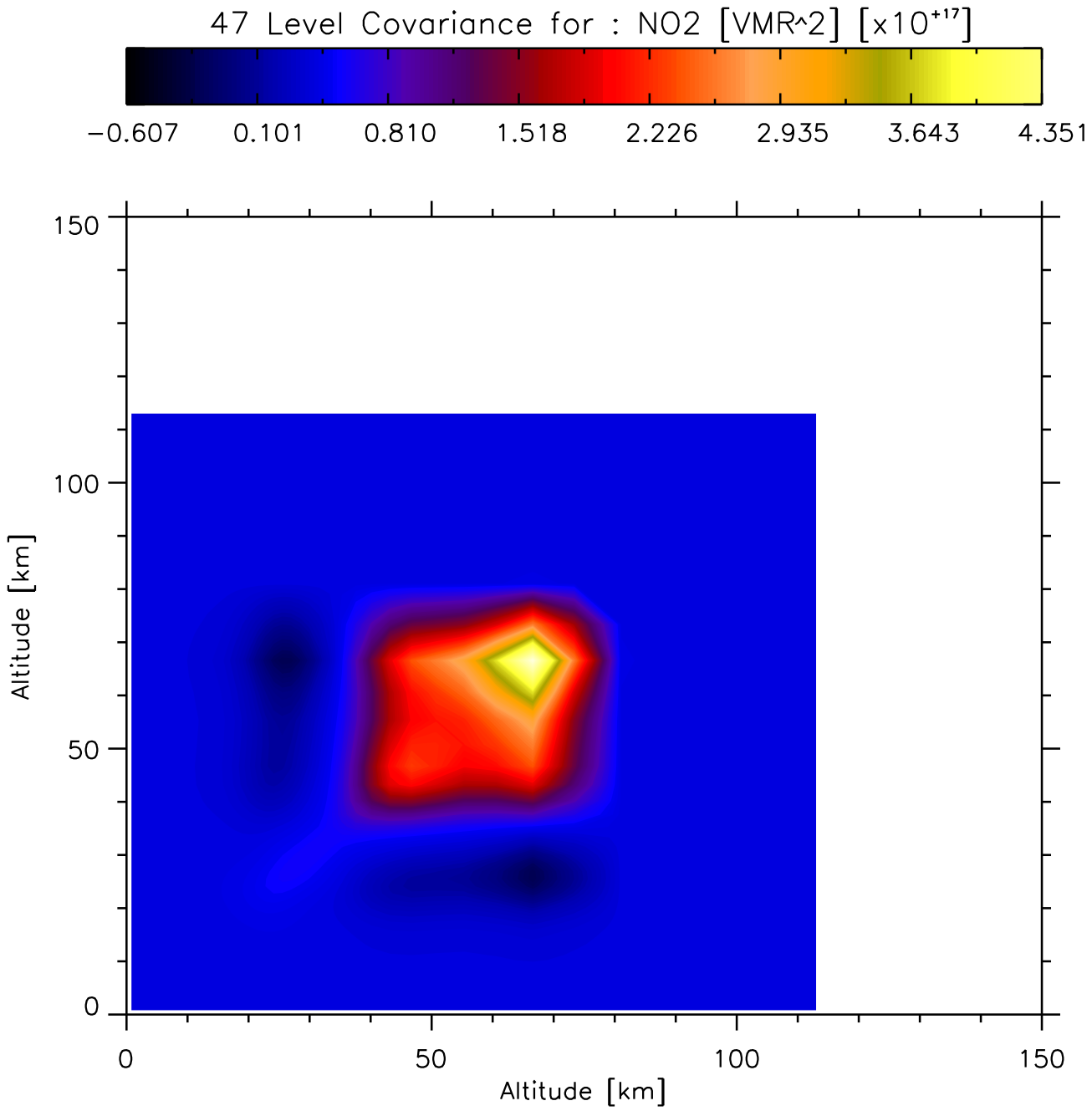

Initial & Interpolated profiles by month for : 2020
Eureka 80.5N 272.E
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

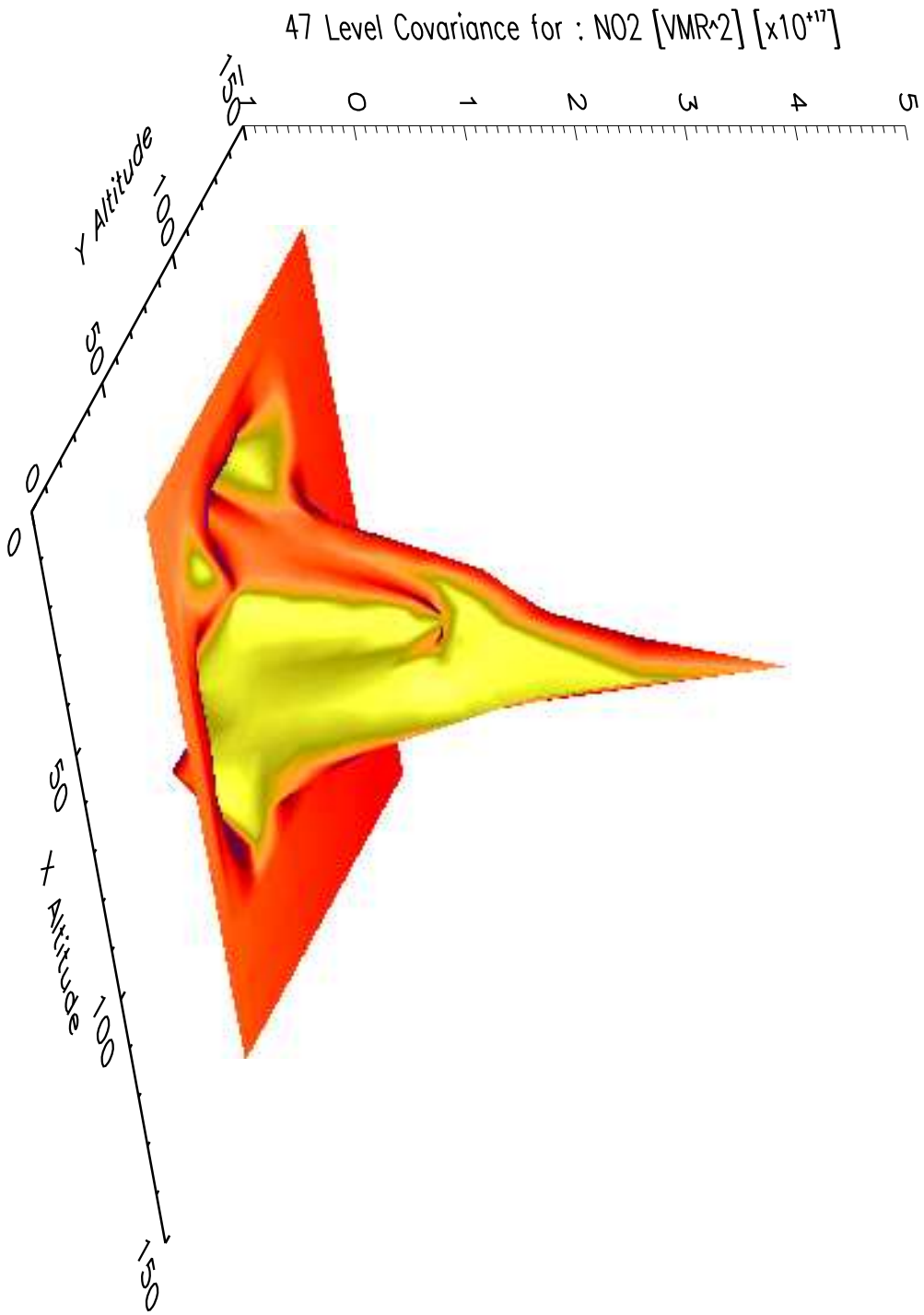

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8}
SD
0 50 100 150 200 250 300
%


48 Layer Covariance for : NO2 [VMR^2] [x10^+17]
−0.582
0.031
0.644
1.257
1.870
2.482
3.095
3.708
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Layer Covariance for : NO2 [VMR^2] [x10^+17]
0
1
2
3
4
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


47 Level Covariance for : NO2 [VMR^2] [x10^+17]
−0.607
0.101
0.810
1.518
2.226
2.935
3.643
4.351
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


47 Level Covariance for : NO2 [VMR^2] [x10^+17]
0
1
2
3
4
5
Y Altitude
0
50
100
150
0
50
100
150
X Altitude