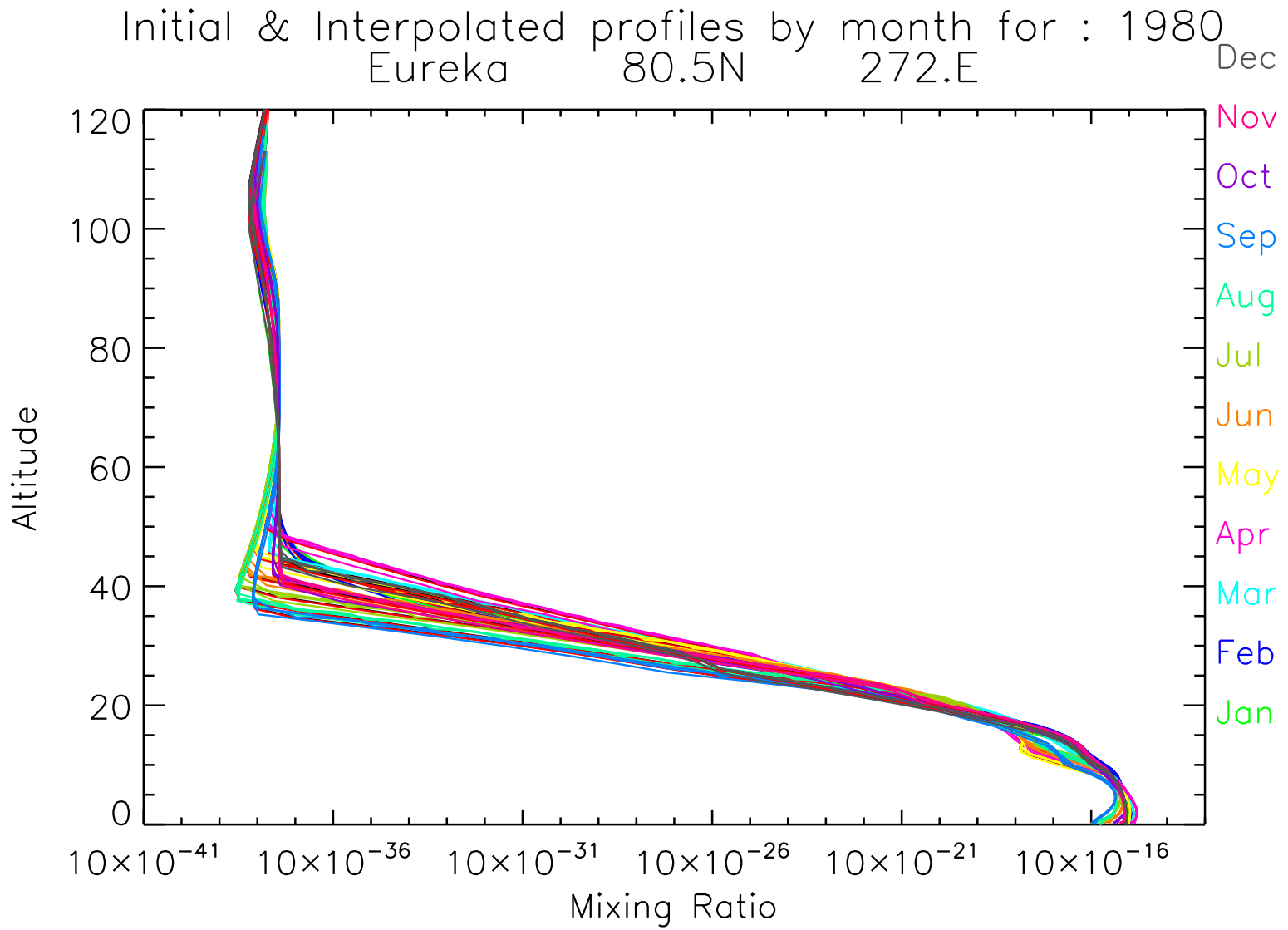
Initial & Interpolated profiles by month for : 1980
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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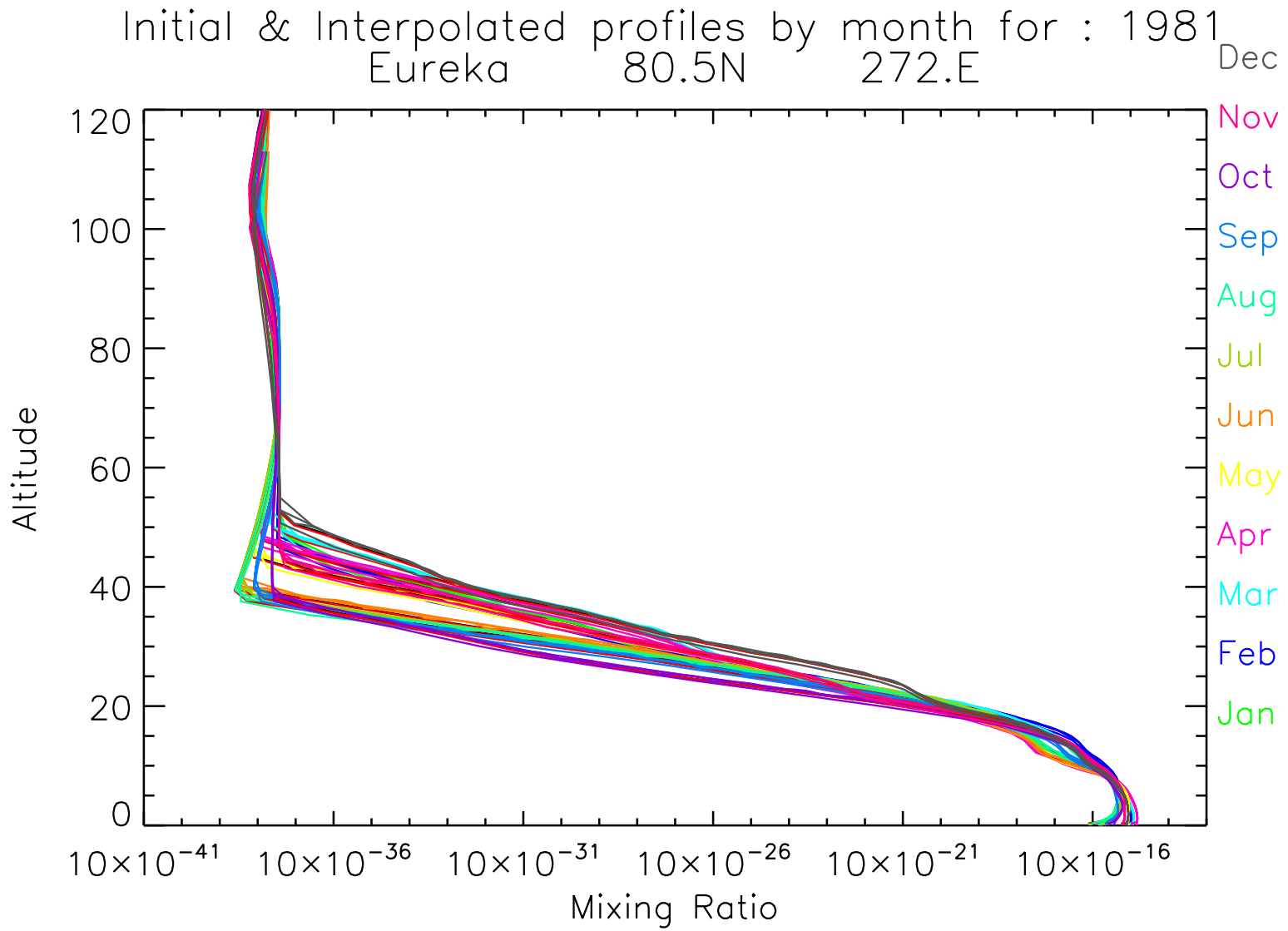
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
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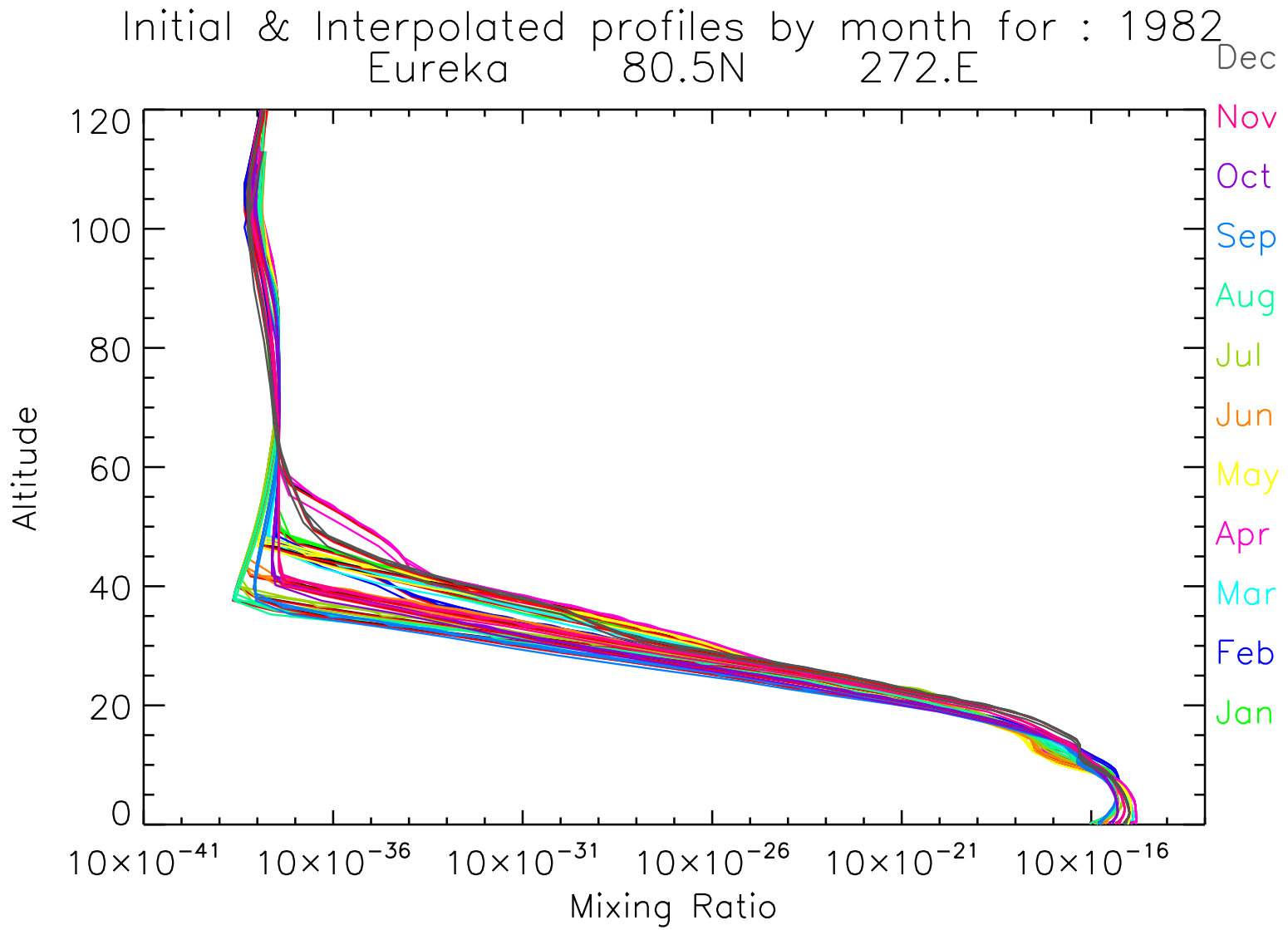
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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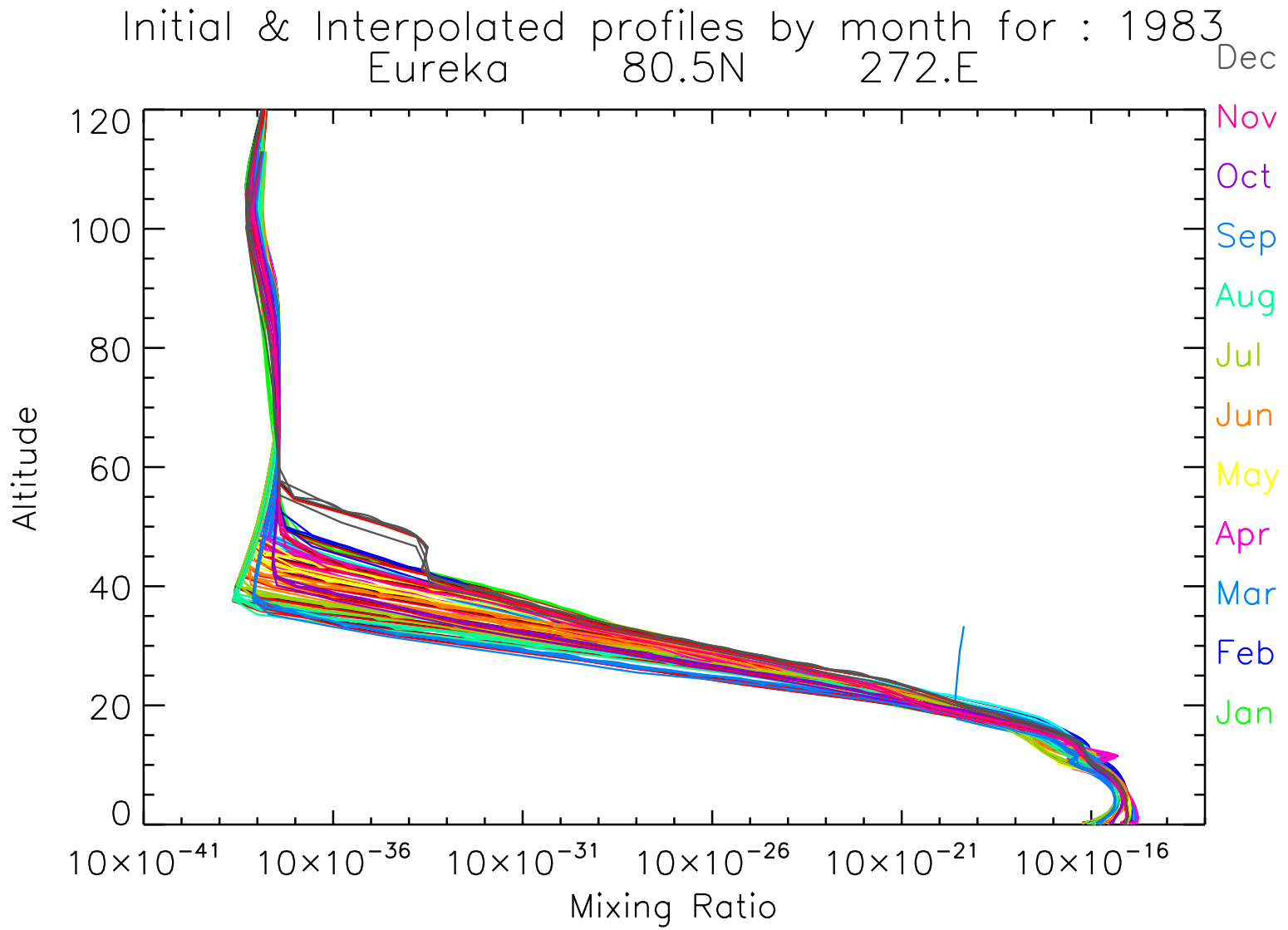
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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10×10^-41
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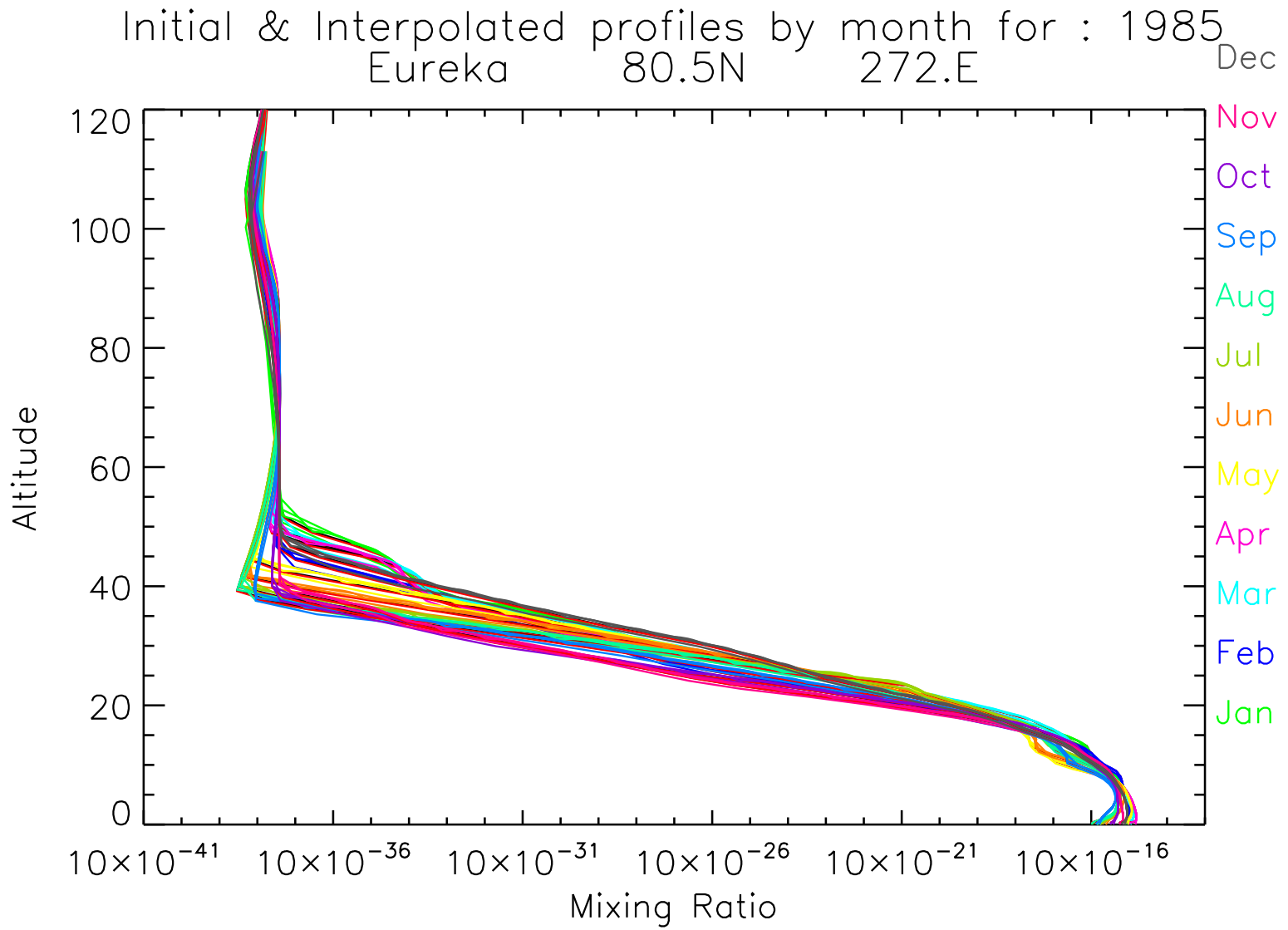
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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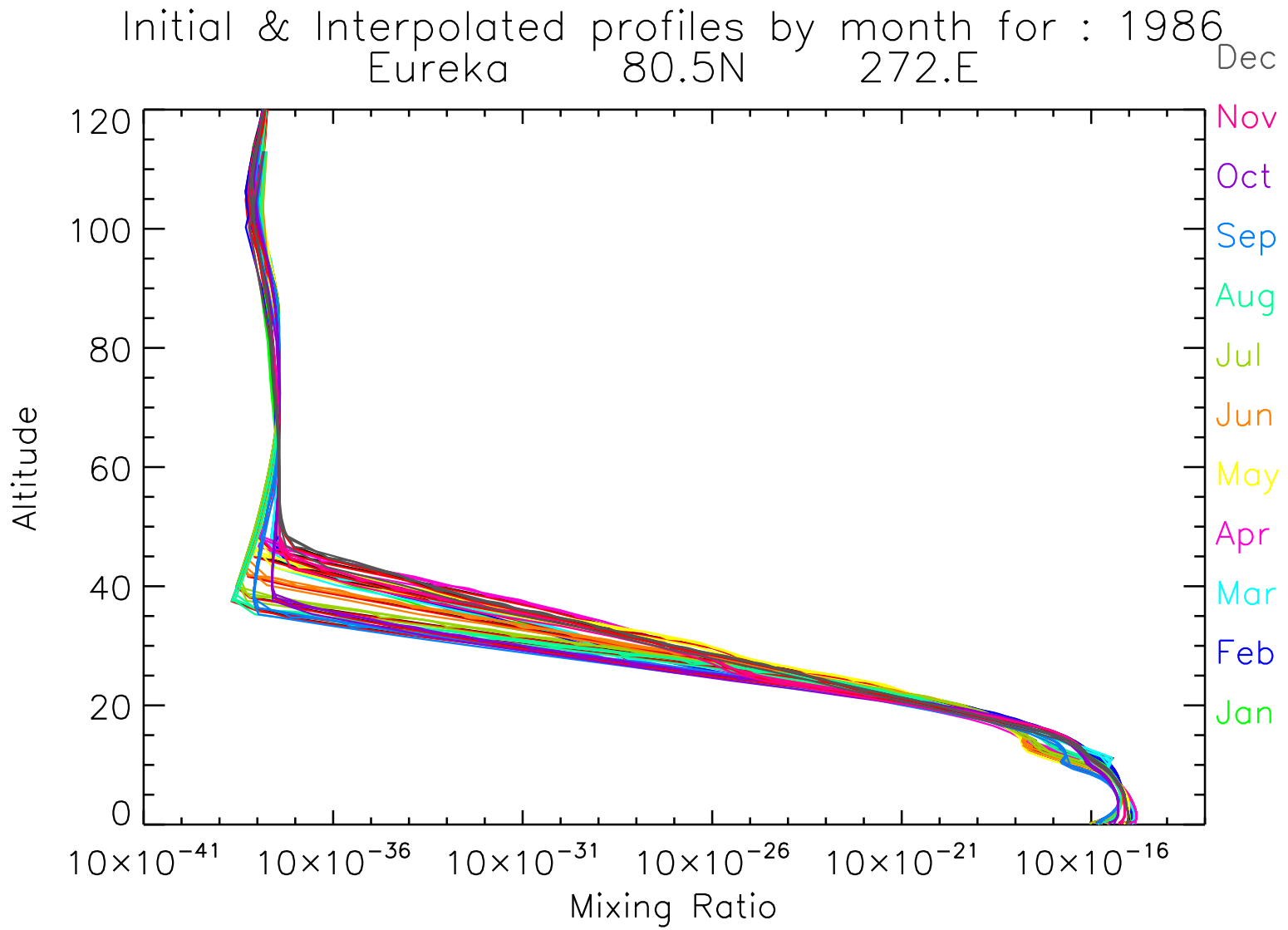
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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10×10^-26
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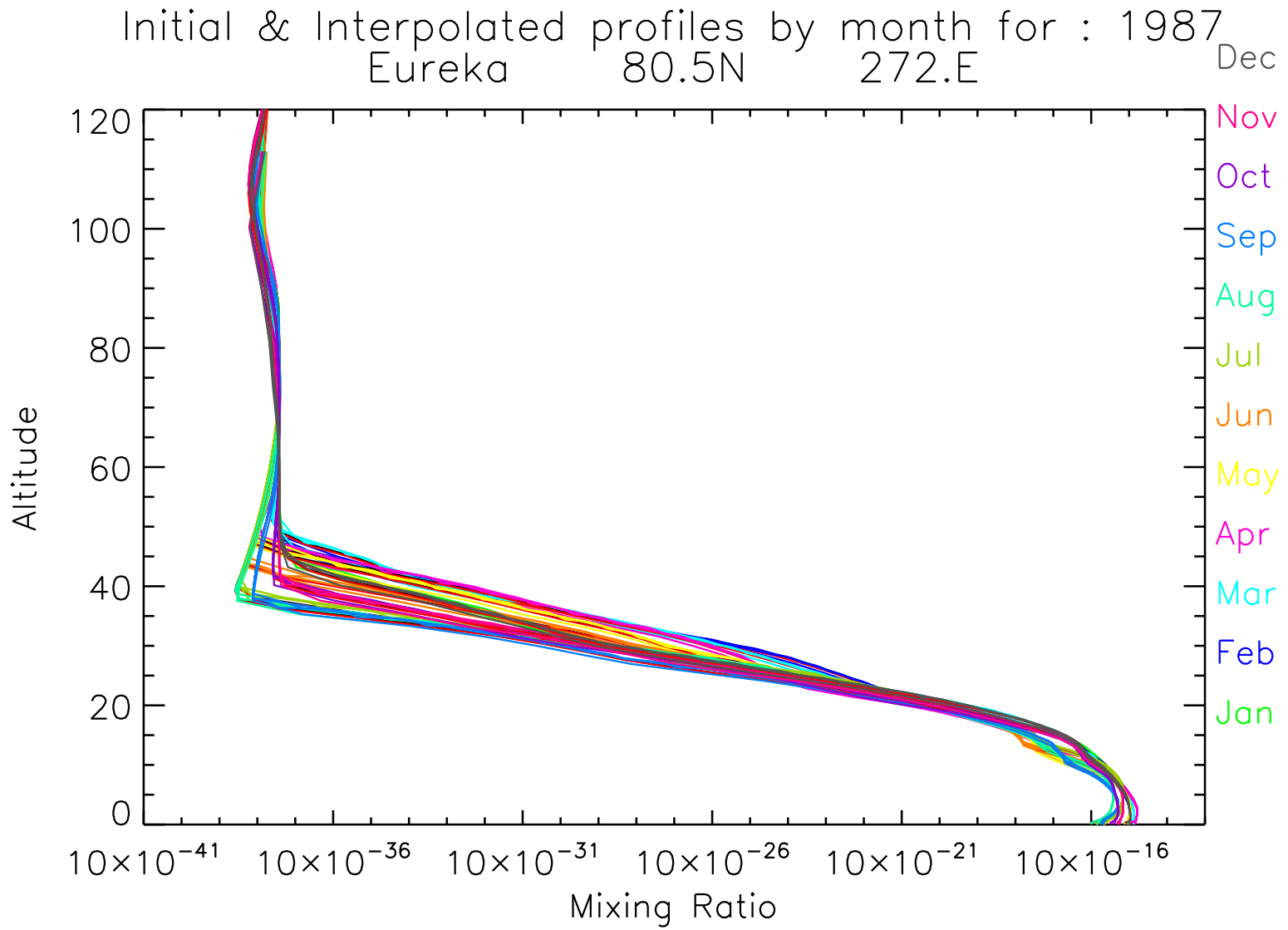
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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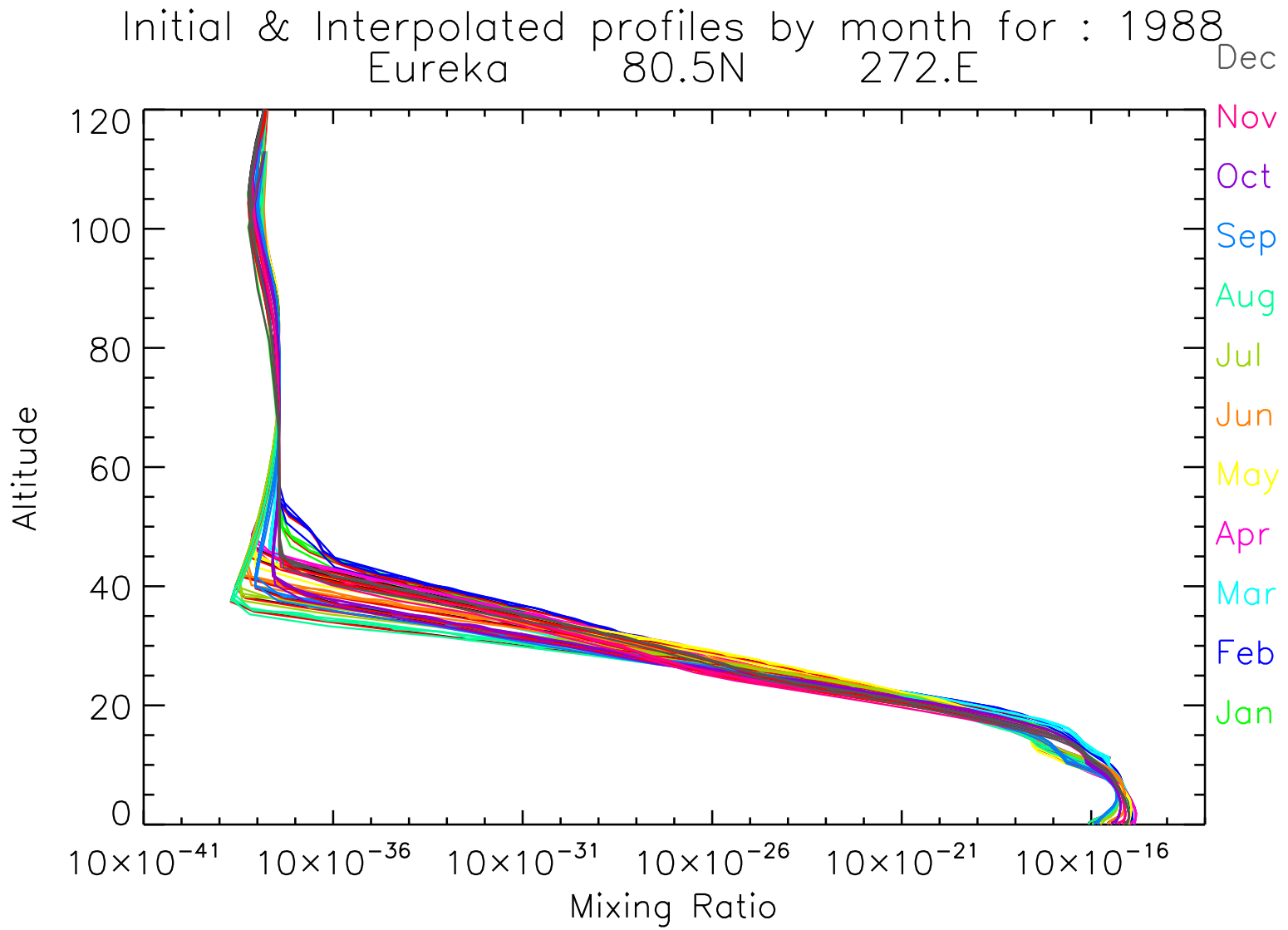
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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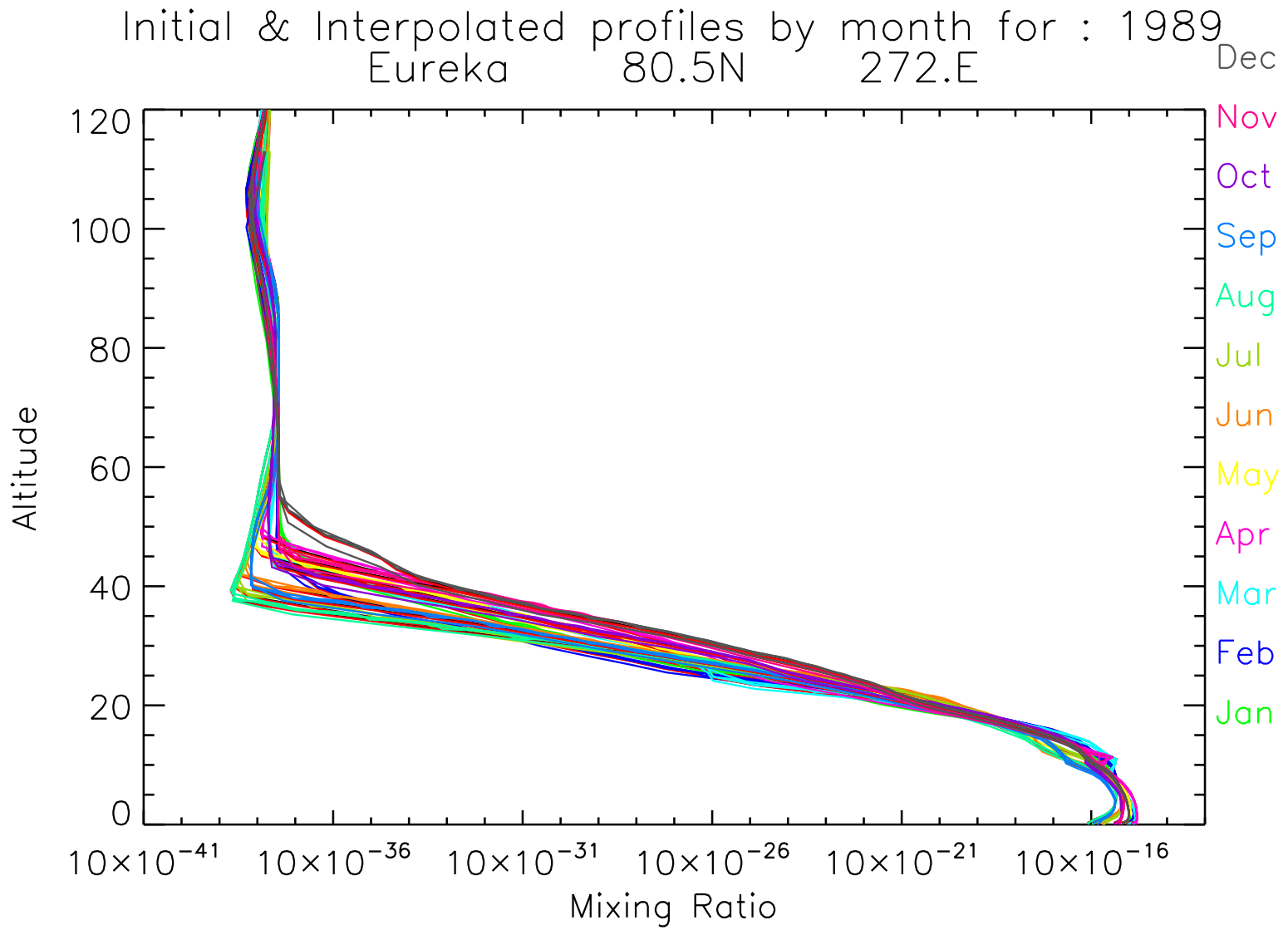
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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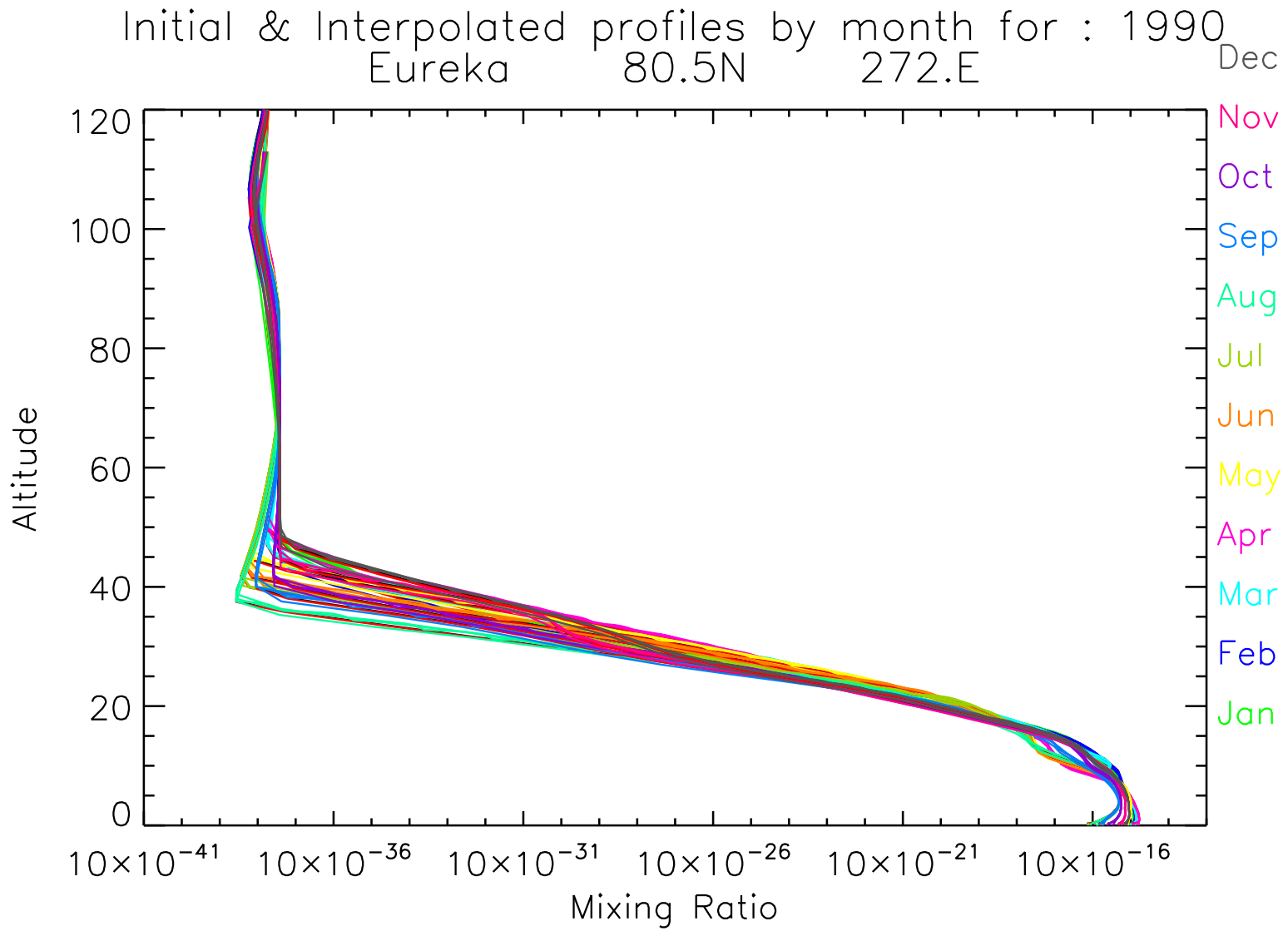
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Eureka 80.5N 272.E
Dec
Nov
Oct
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Jul
Jun
May
Apr
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Feb
Jan
Altitude
120
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10×10^-41
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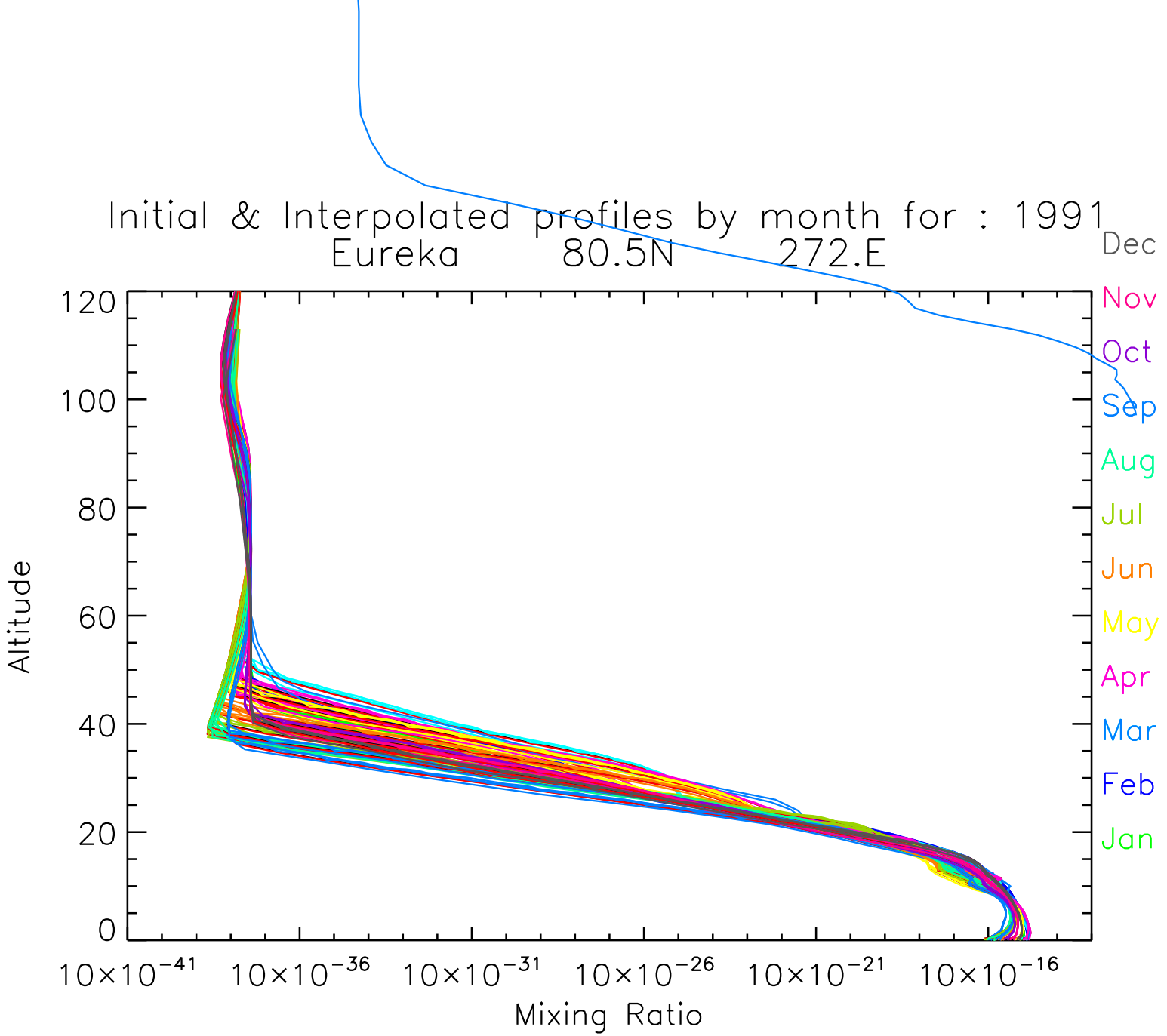
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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60
40
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10×10^-36
10×10^-31
10×10^-26
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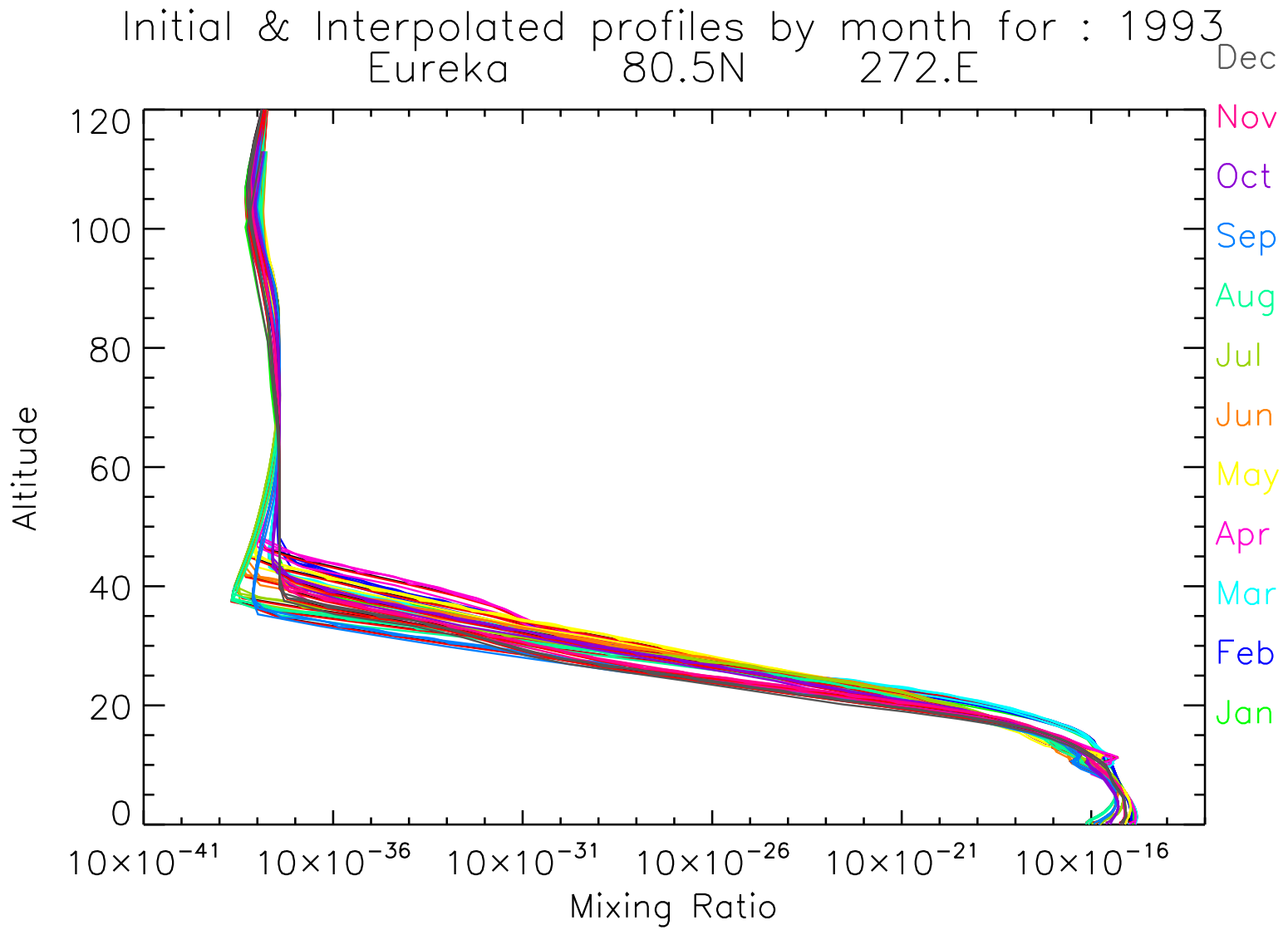
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Eureka 80.5N 272.E
Dec
Nov
Oct
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Aug
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May
Apr
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Feb
Jan
Altitude
120
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10×10^-41
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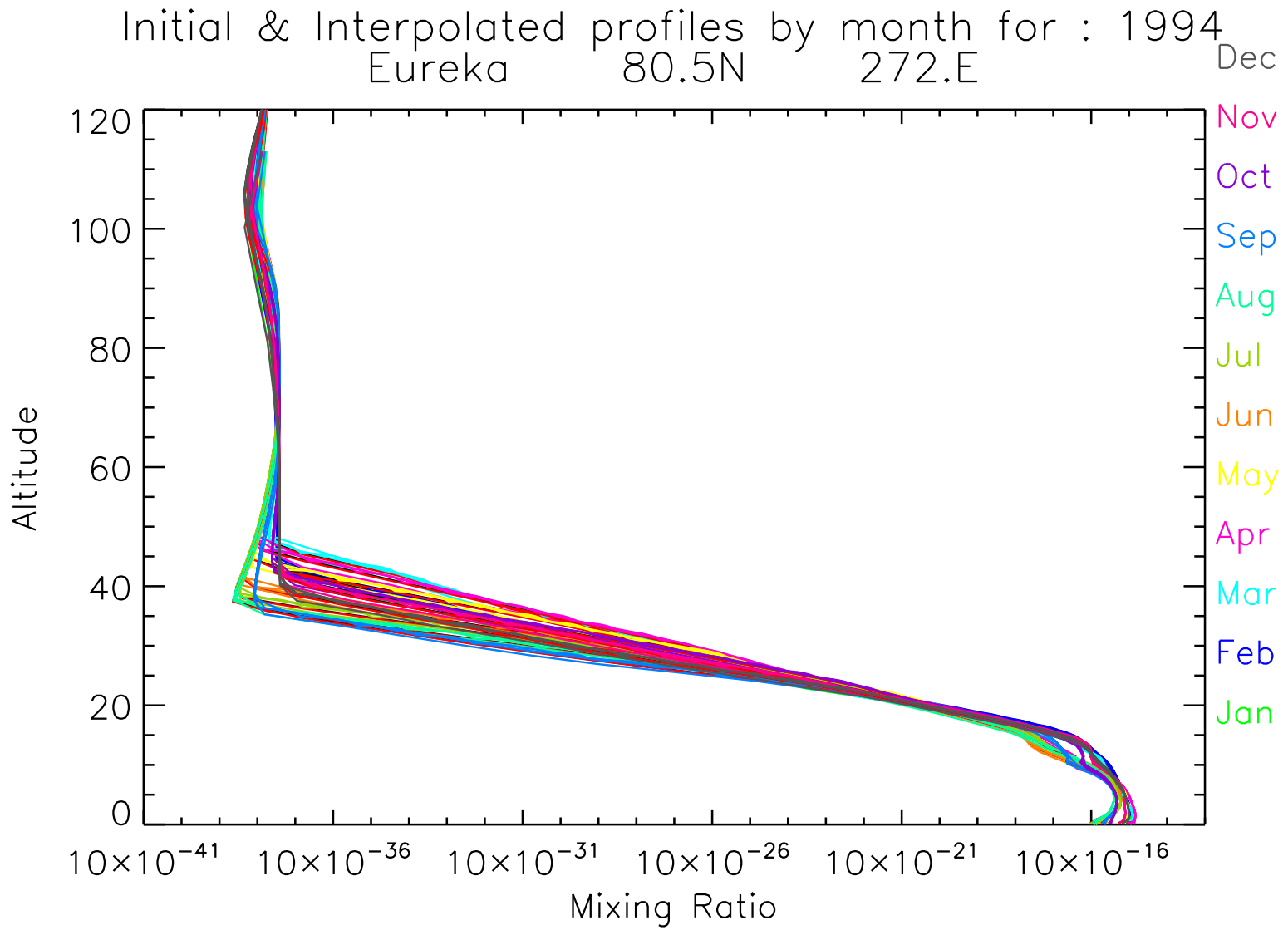
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
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Feb
Jan
Altitude
120
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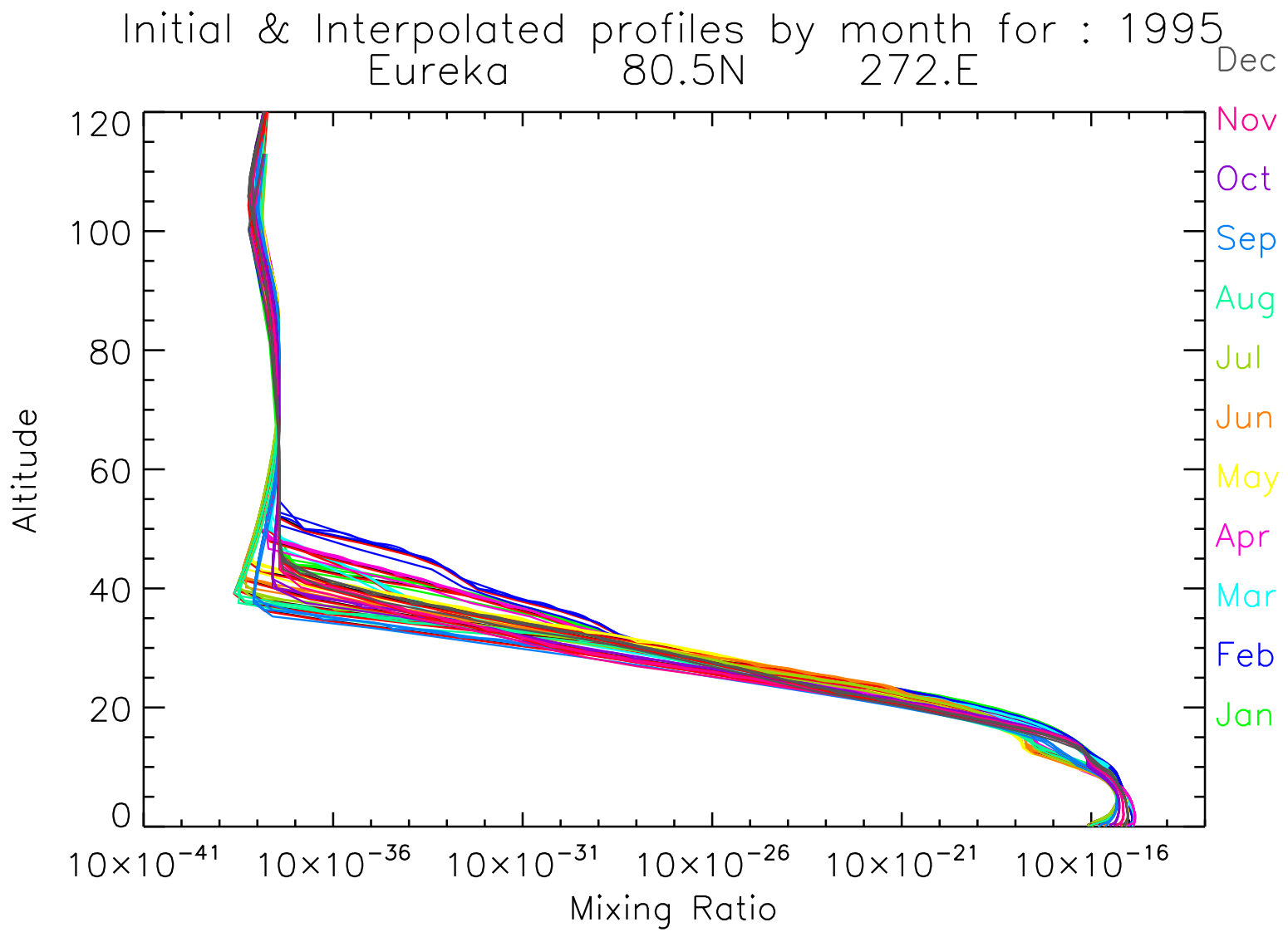
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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20
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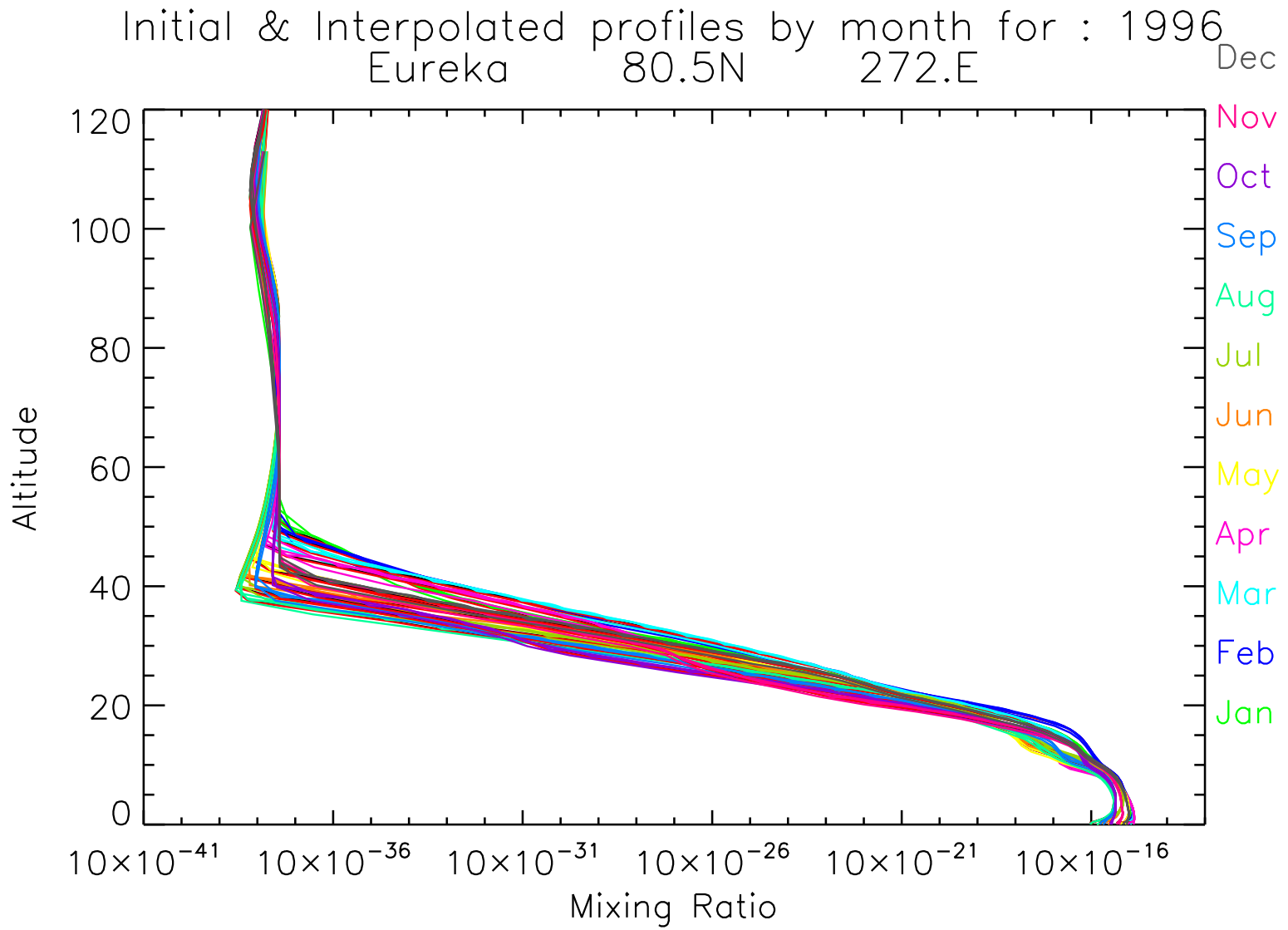
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Eureka 80.5N 272.E
Dec
Nov
Oct
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Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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40
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10×10^-41
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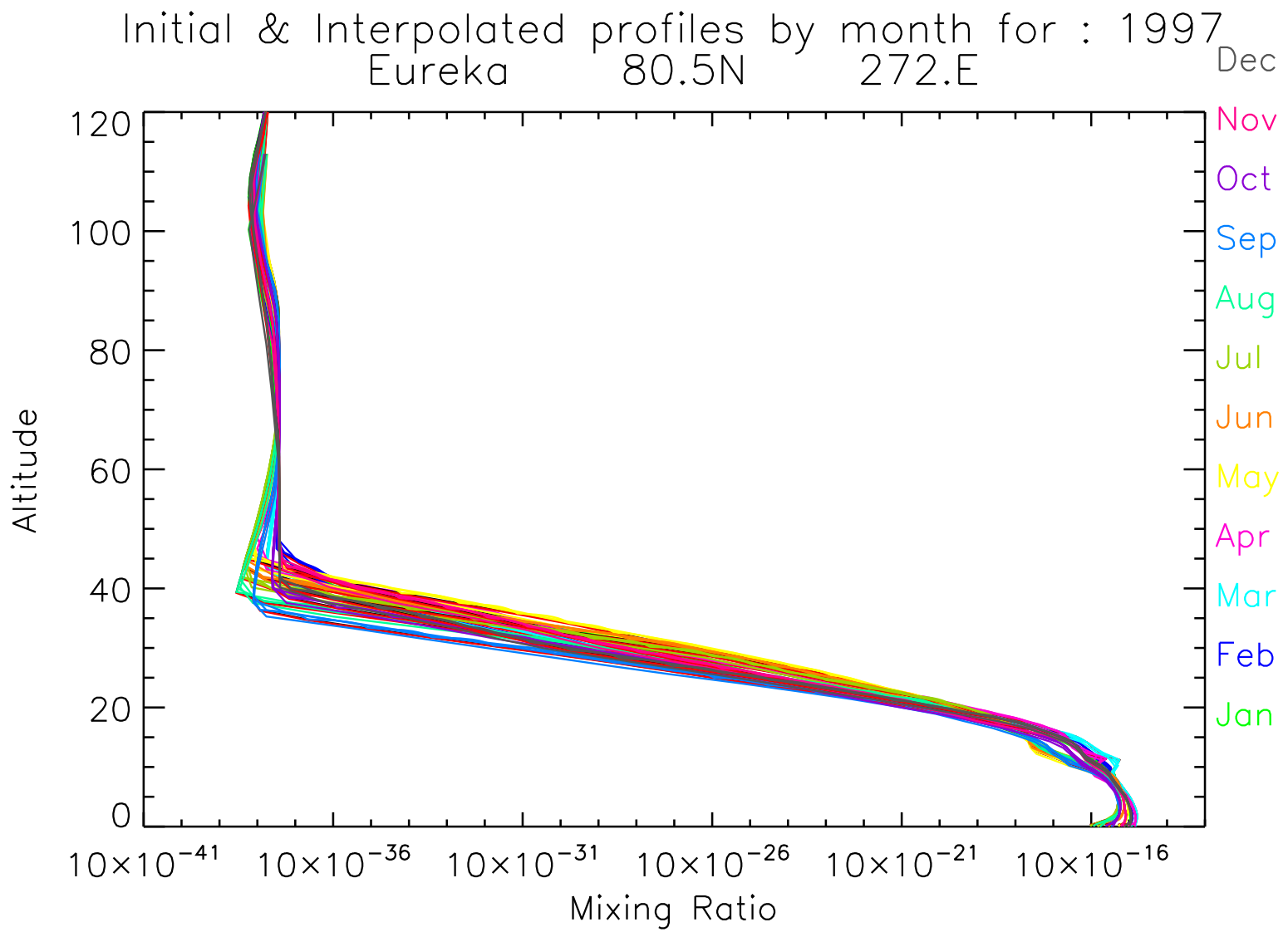
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Eureka 80.5N 272.E
Dec
Nov
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Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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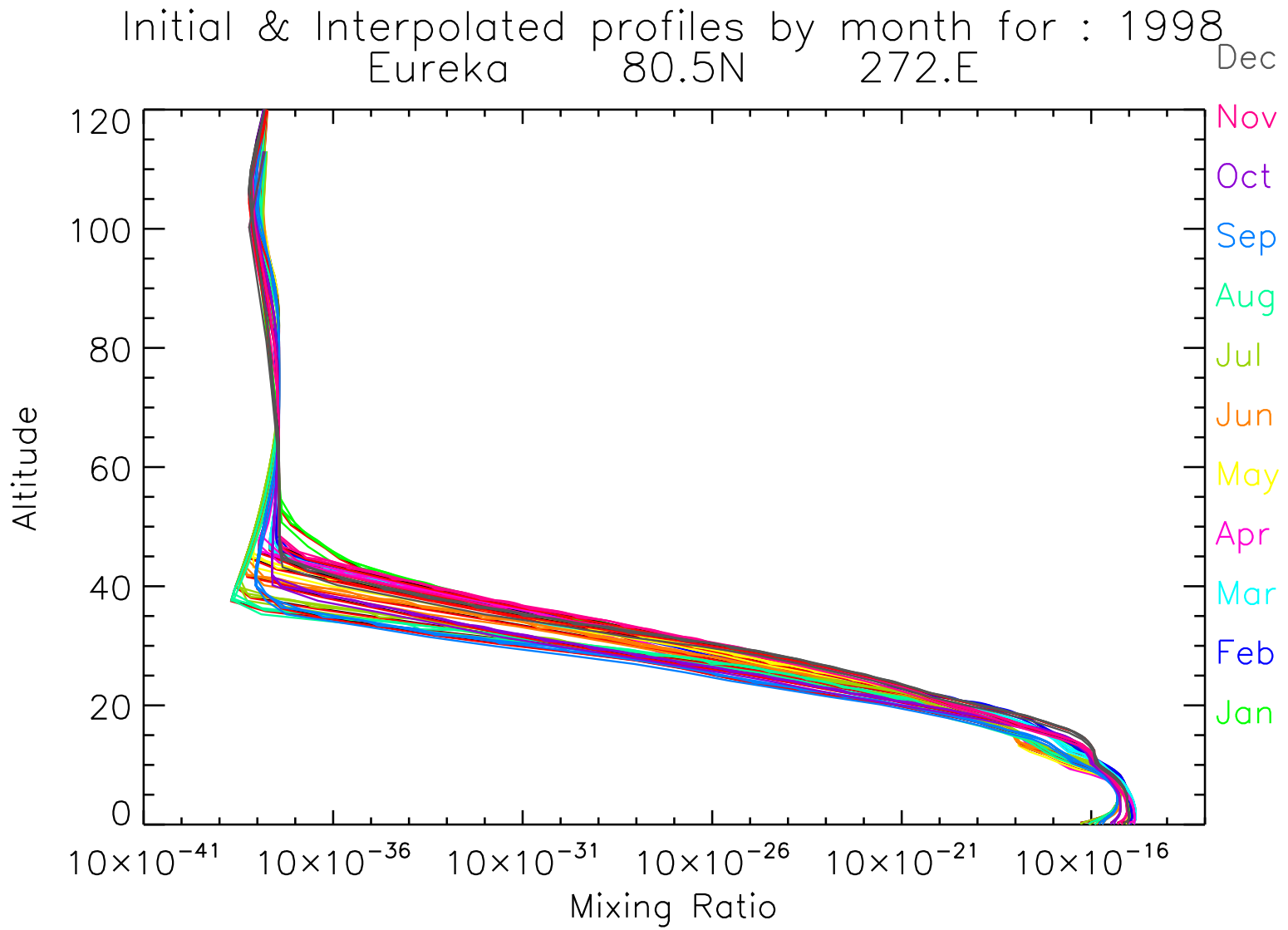
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Eureka 80.5N 272.E
Dec
Nov
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May
Apr
Mar
Feb
Jan
Altitude
120
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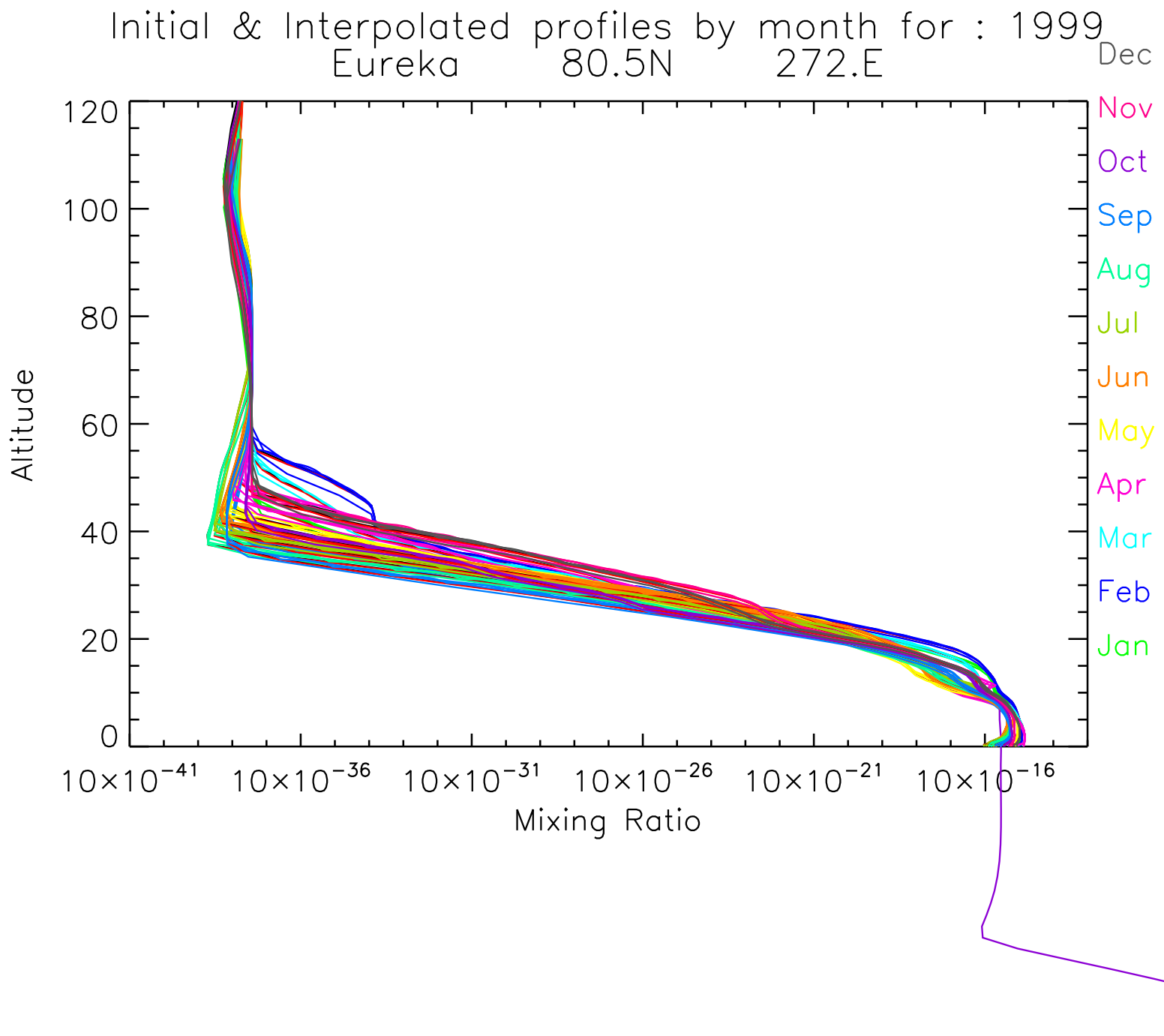
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
20
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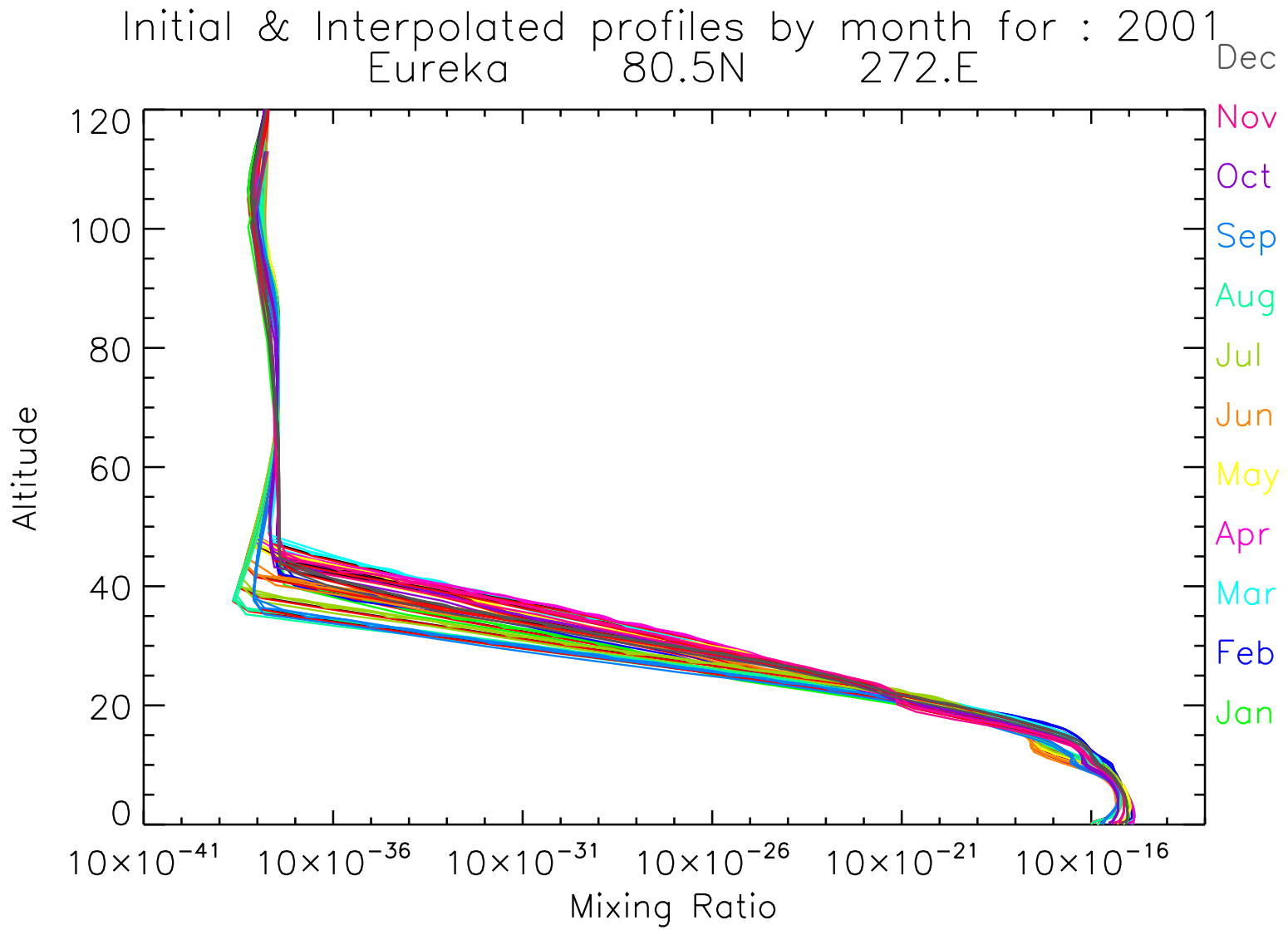
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
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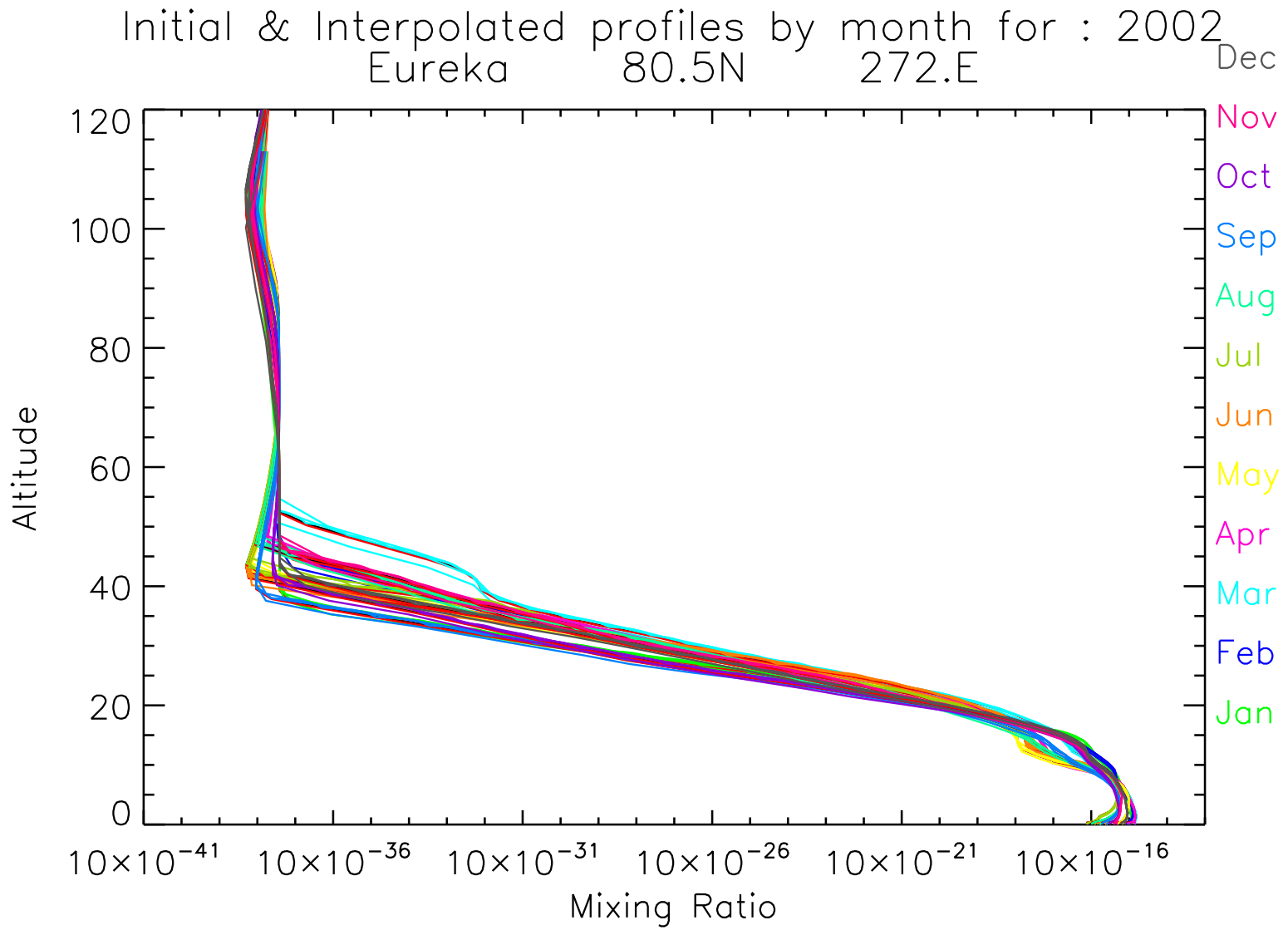
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
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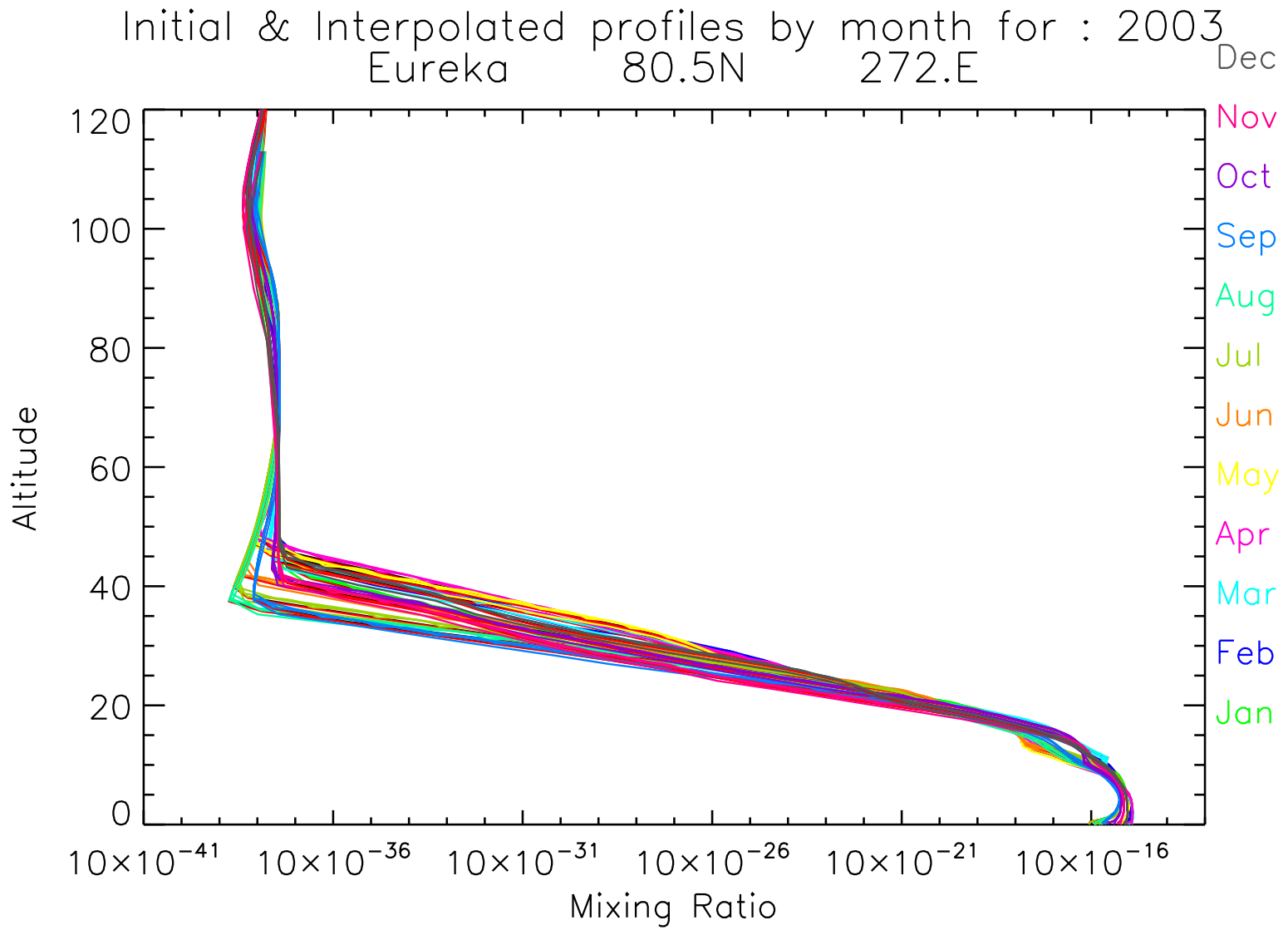
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
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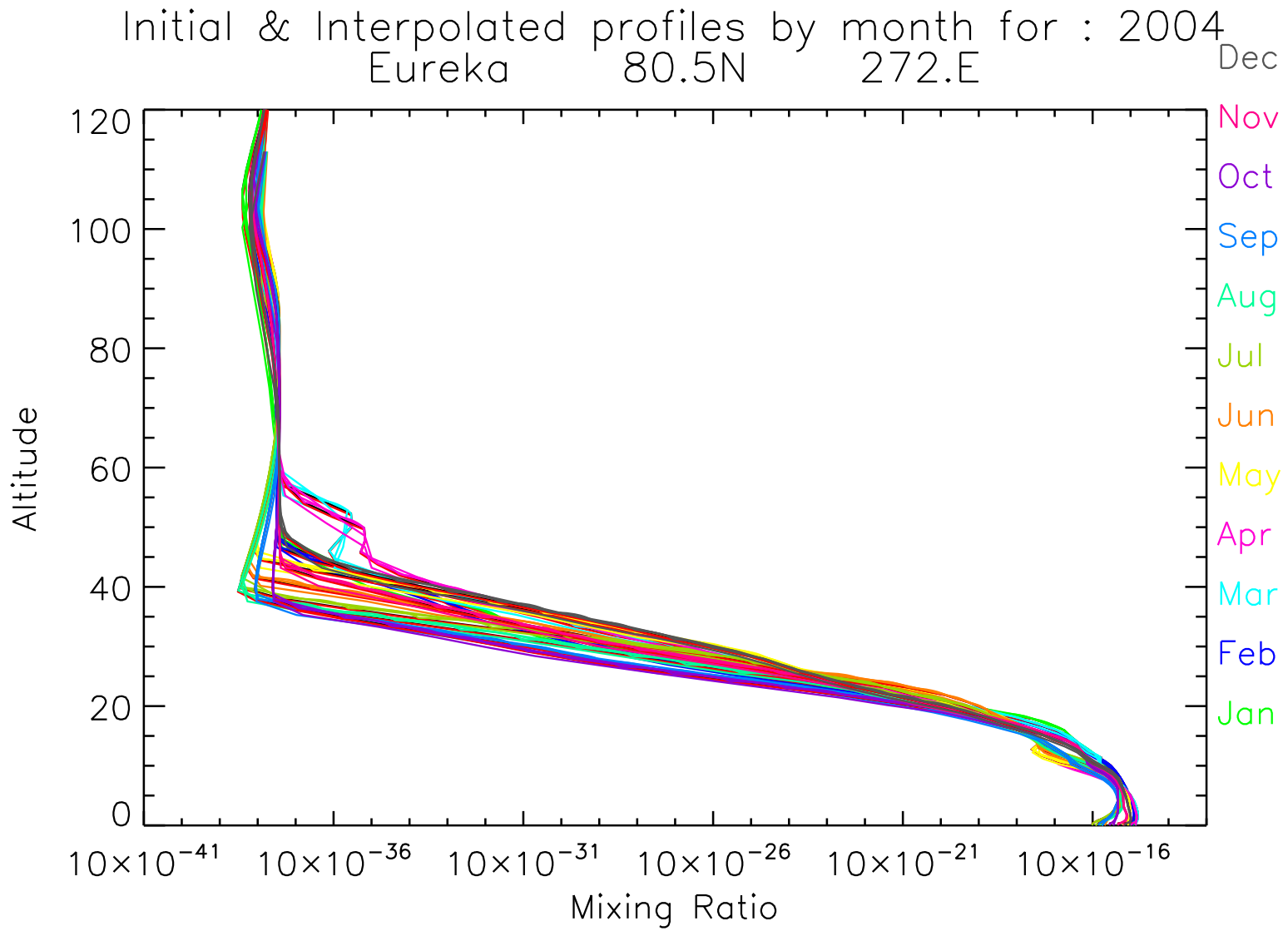
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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40
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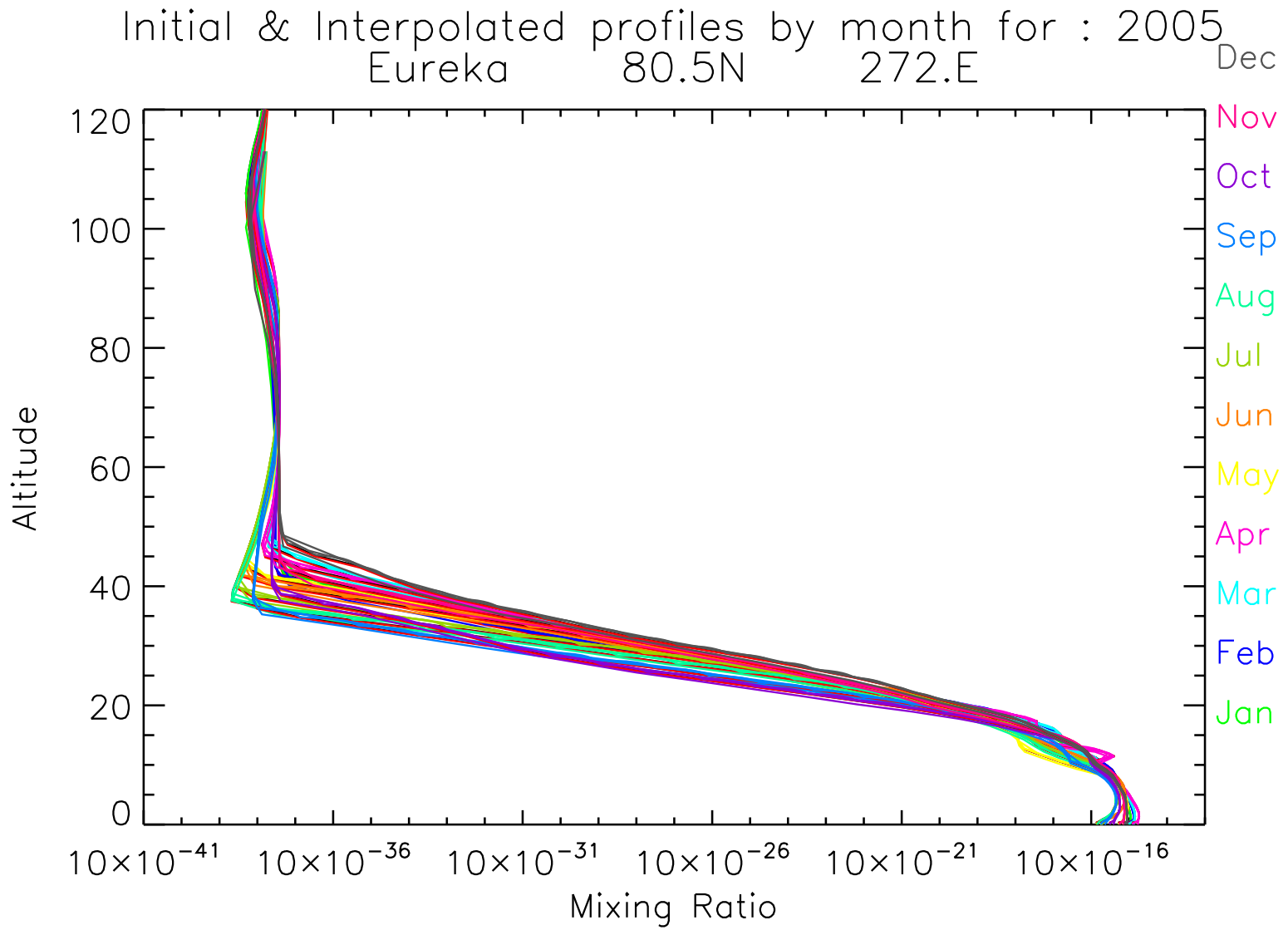
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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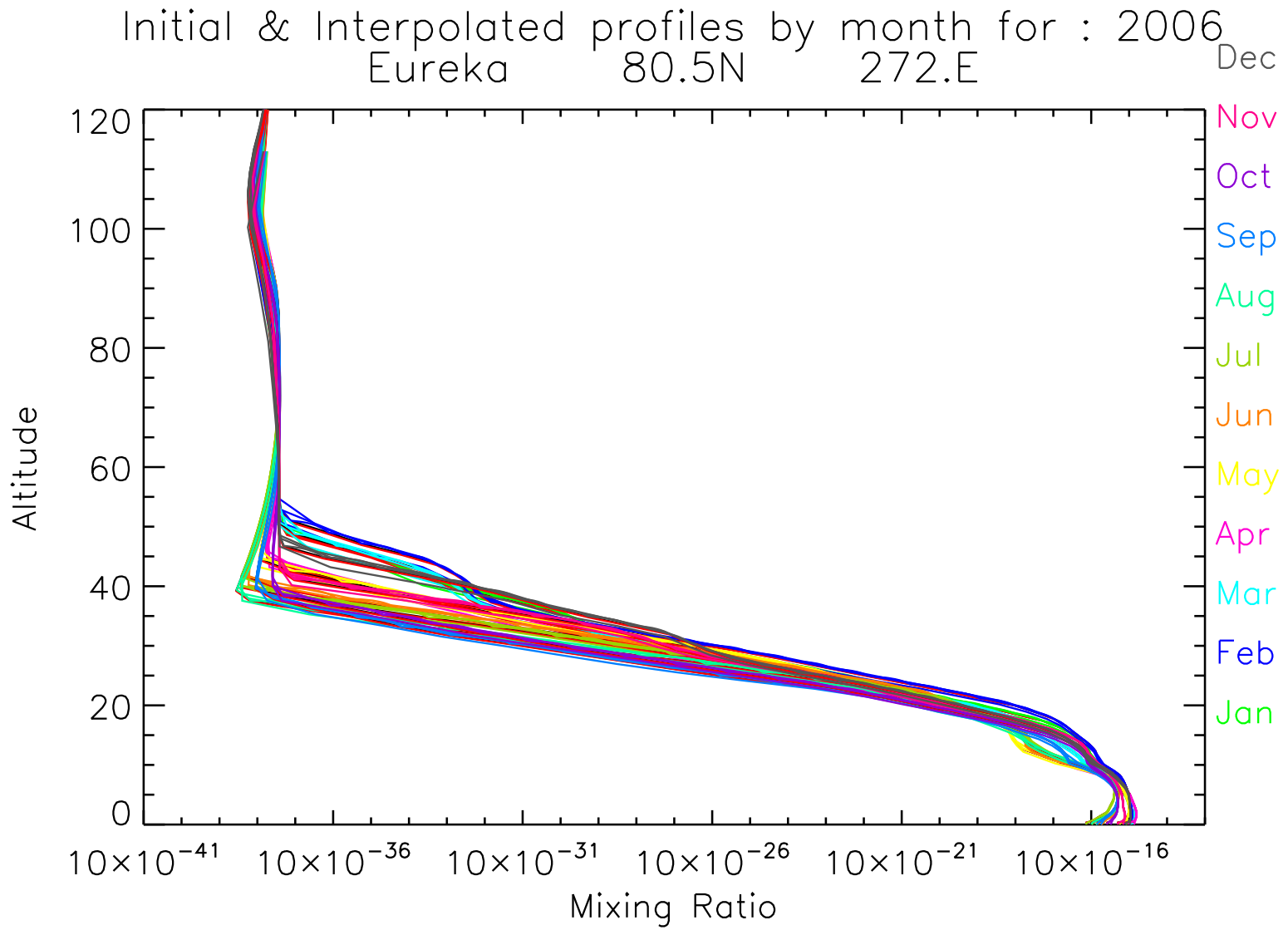
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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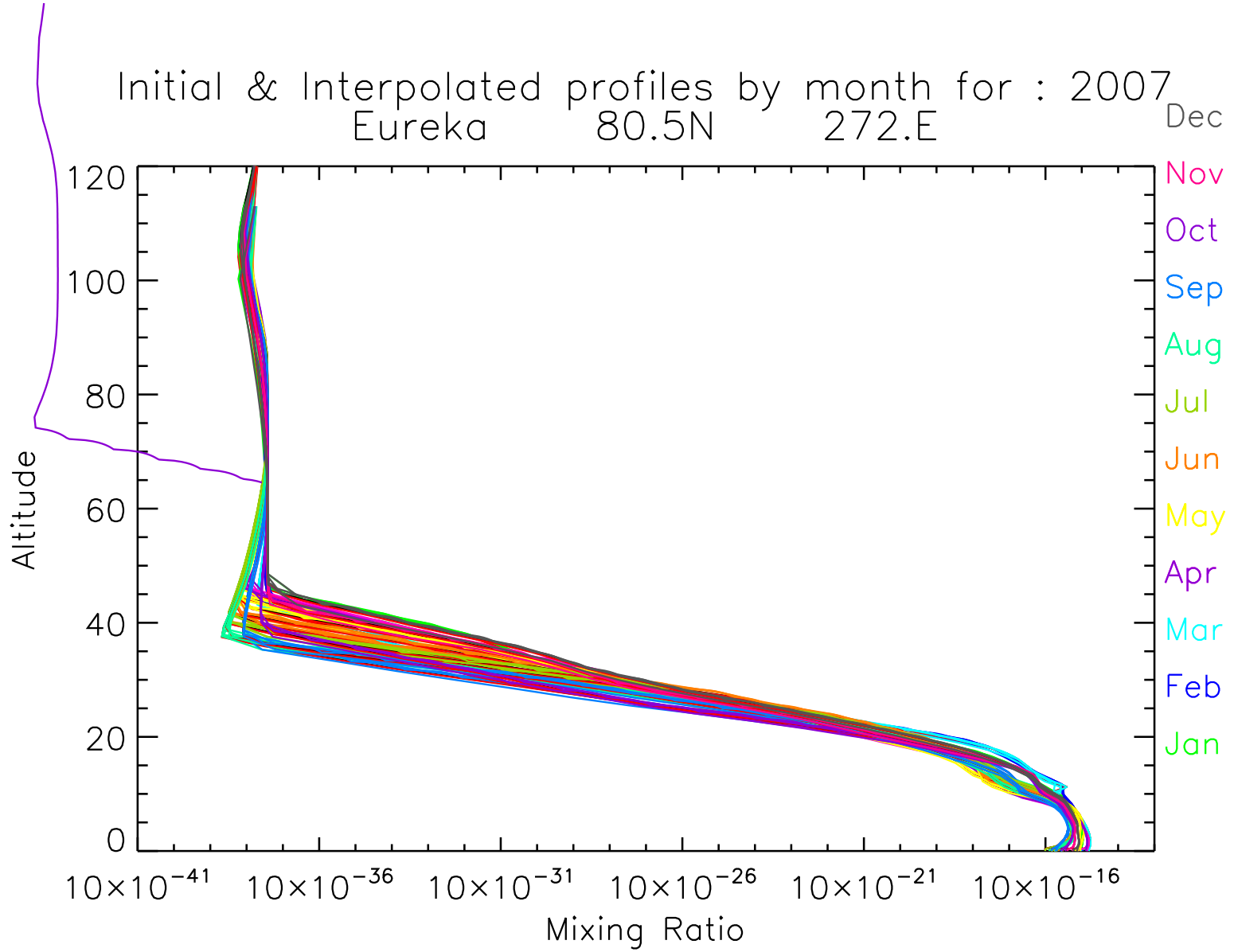
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
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Feb
Jan
Altitude
120
100
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60
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10×10^-41
10×10^-36
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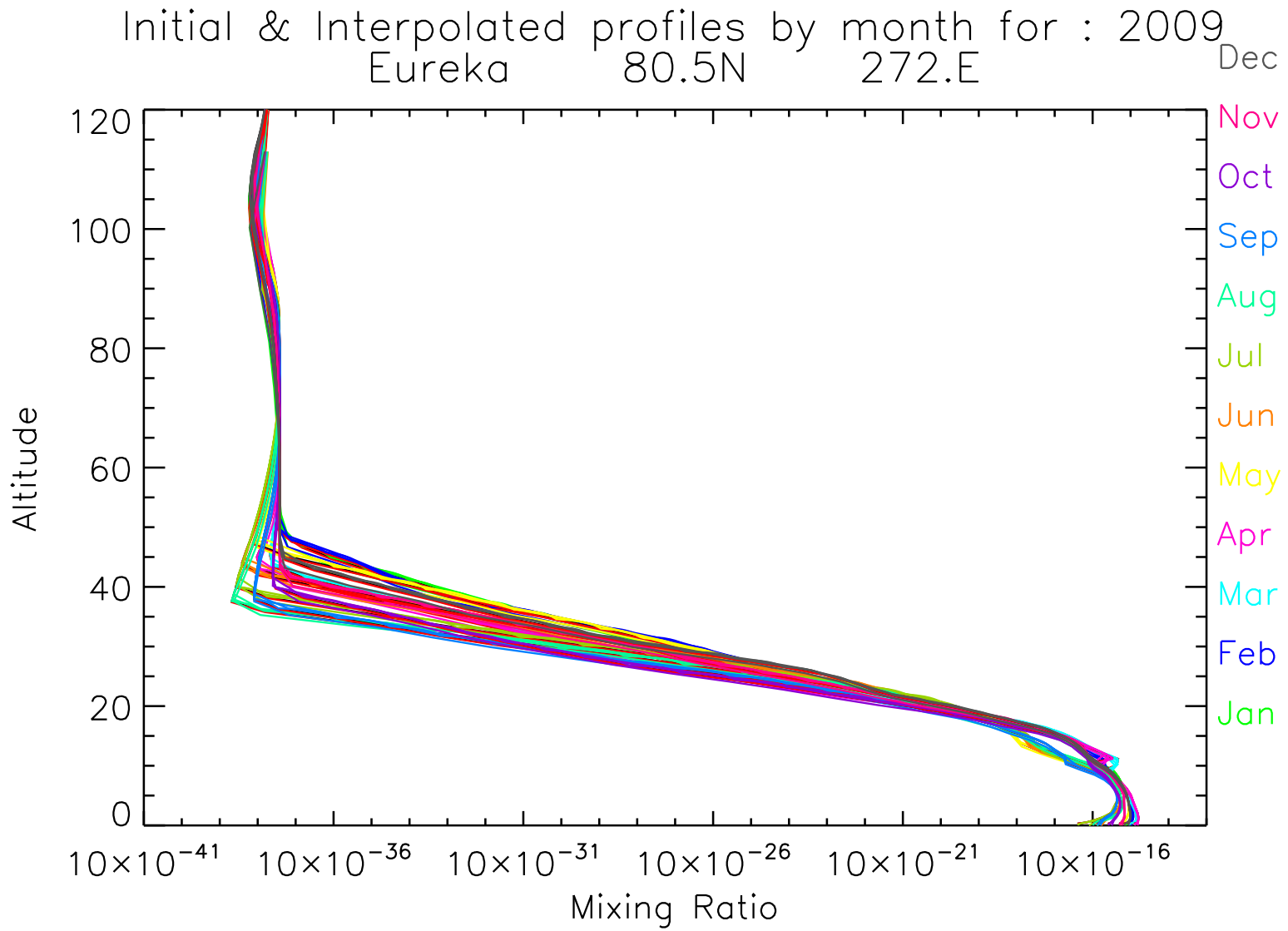
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
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Feb
Jan
Altitude
120
100
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10×10^-41
10×10^-36
10×10^-31
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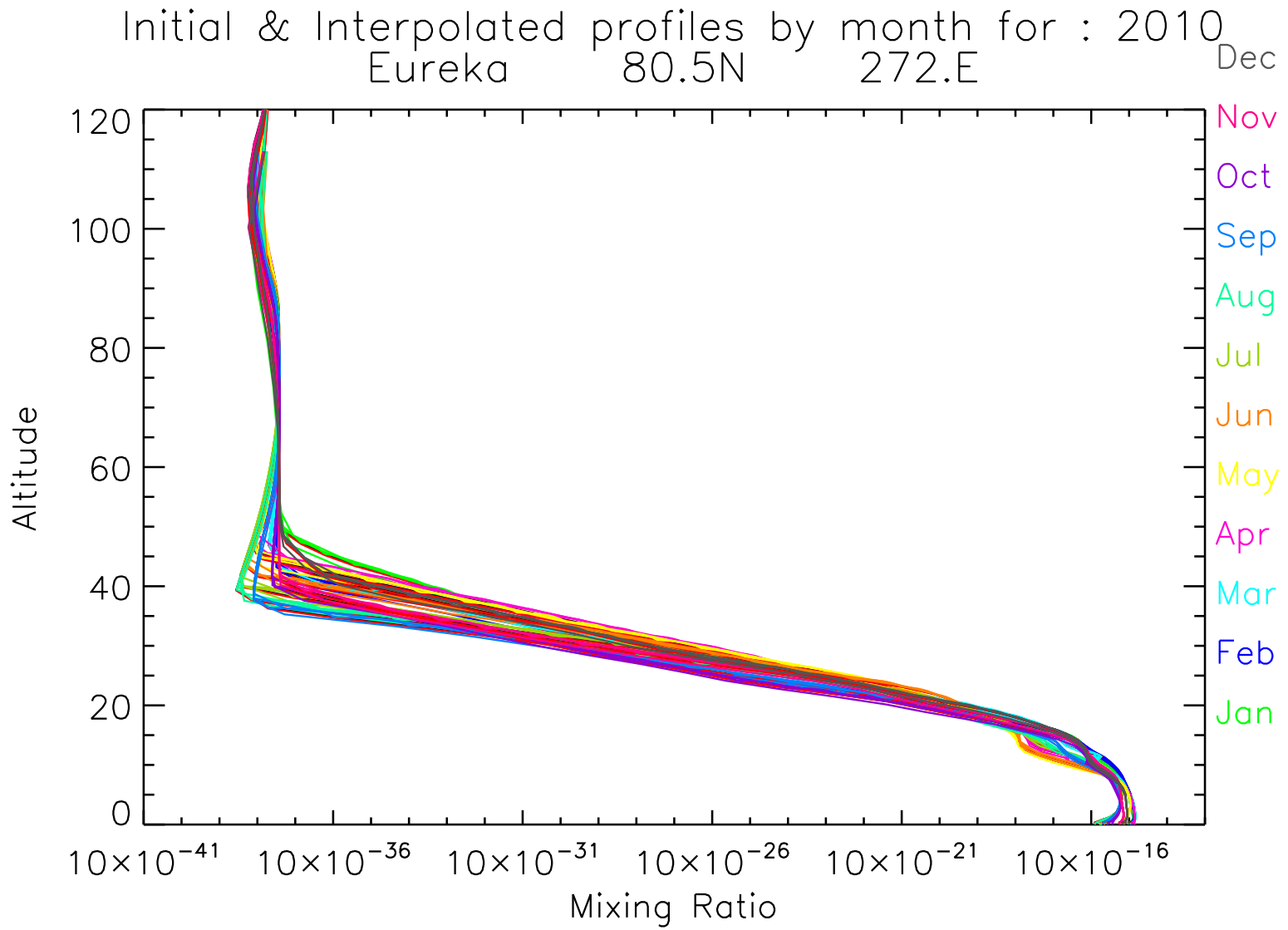
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
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May
Apr
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Feb
Jan
Altitude
120
100
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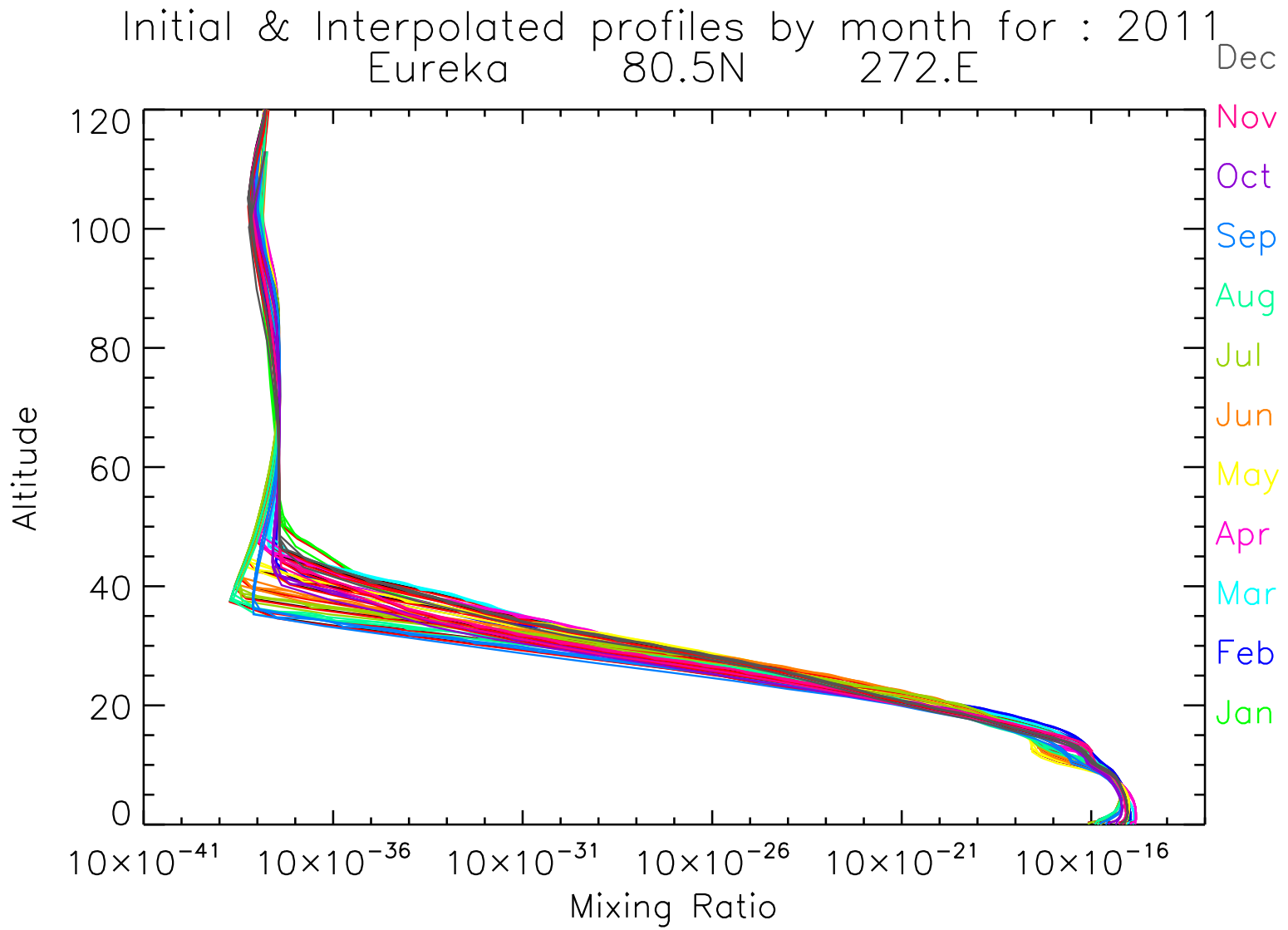
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Eureka 80.5N 272.E
Dec
Nov
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Sep
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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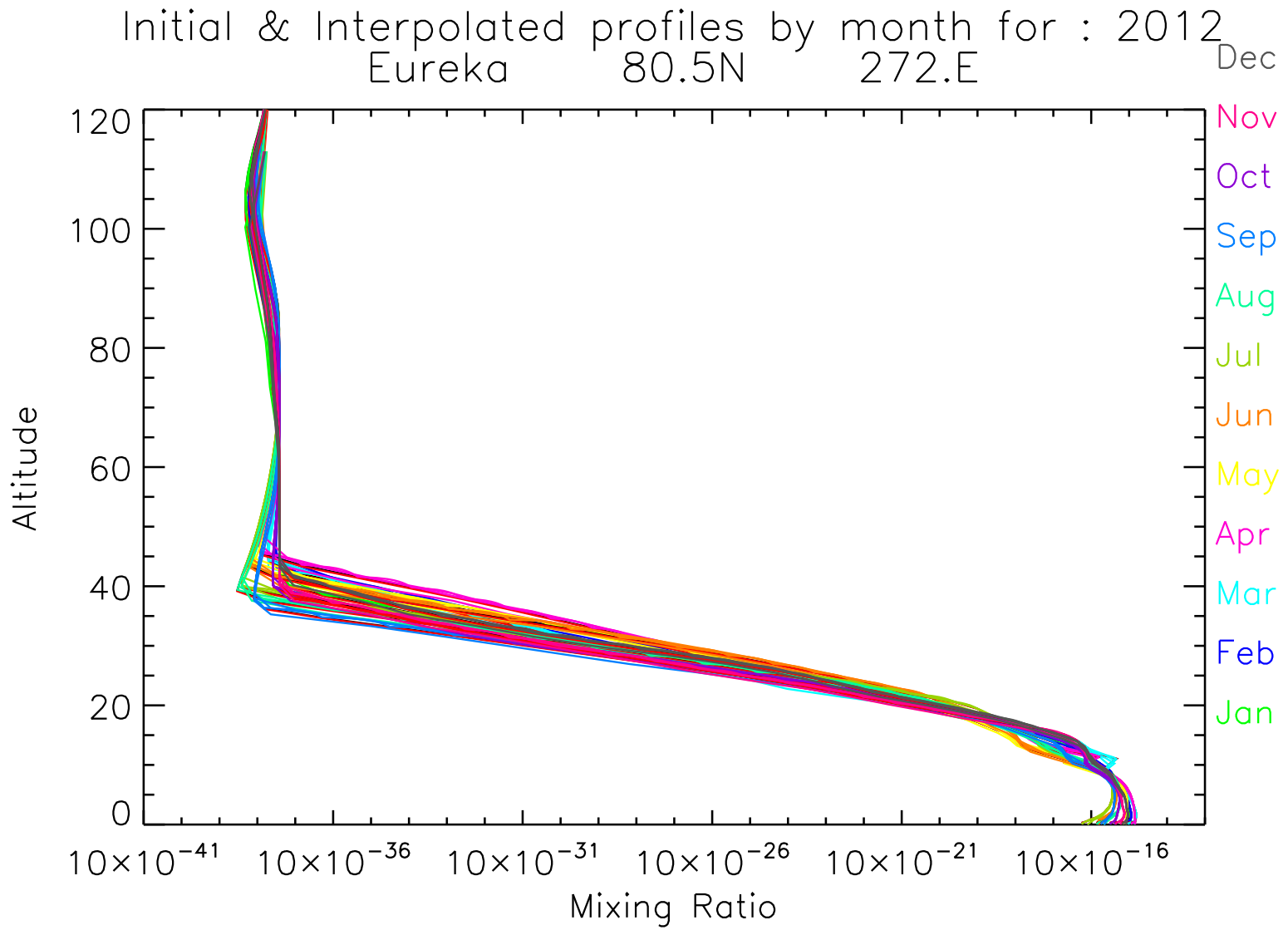
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Eureka 80.5N 272.E
Dec
Nov
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May
Apr
Mar
Feb
Jan
Altitude
120
100
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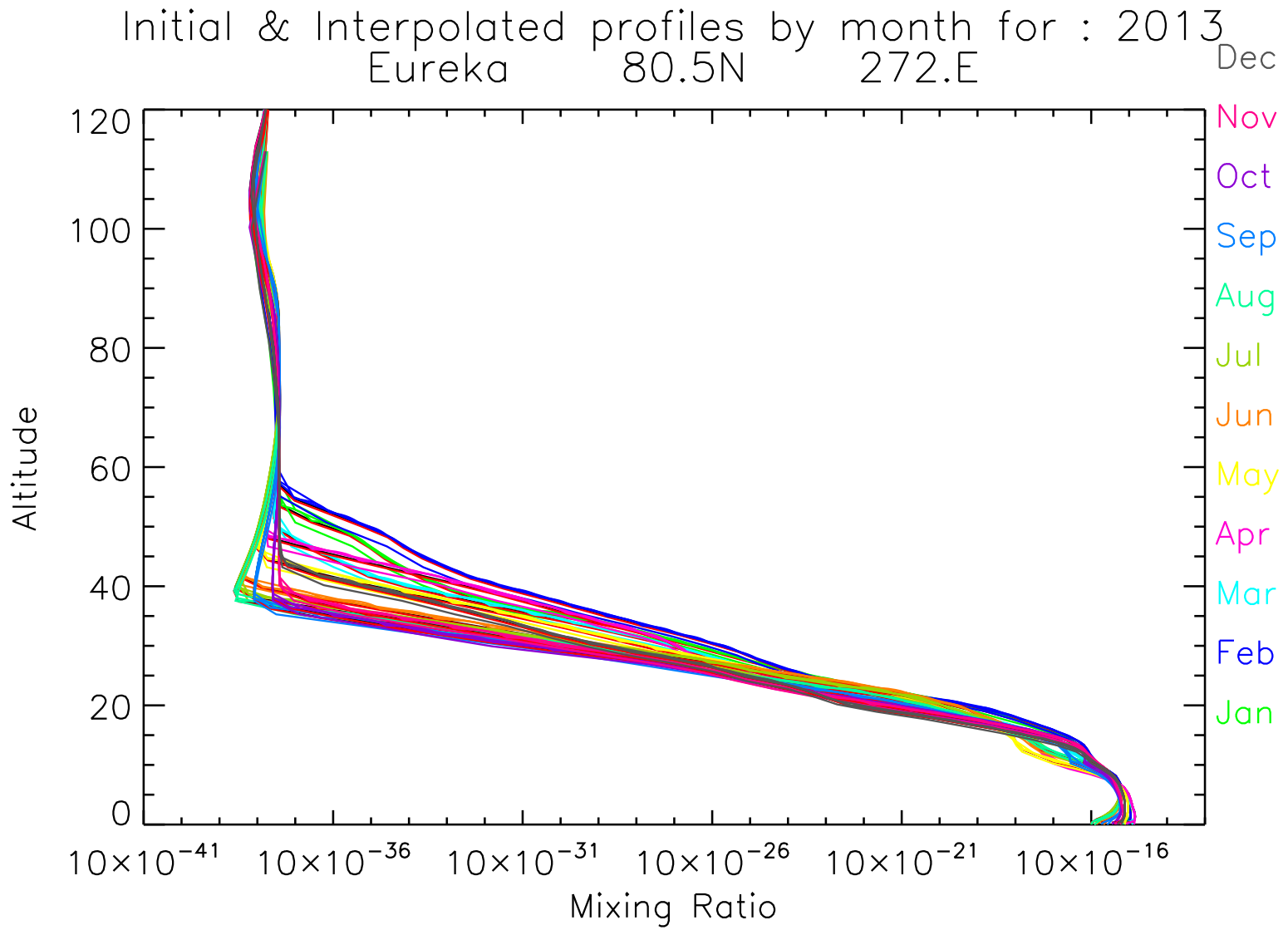
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2013
Eureka 80.5N 272.E
Dec
Nov
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May
Apr
Mar
Feb
Jan
Altitude
120
100
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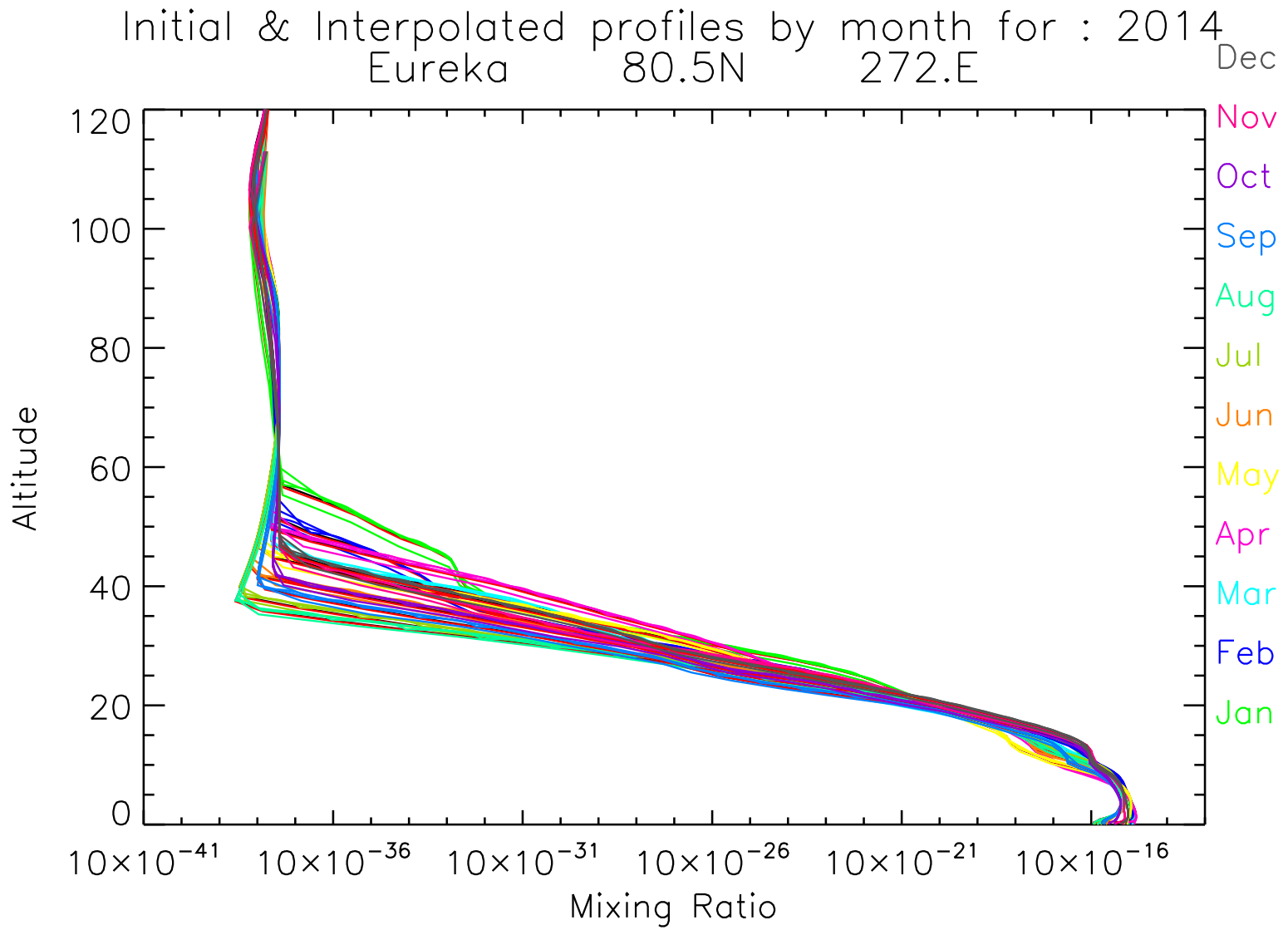
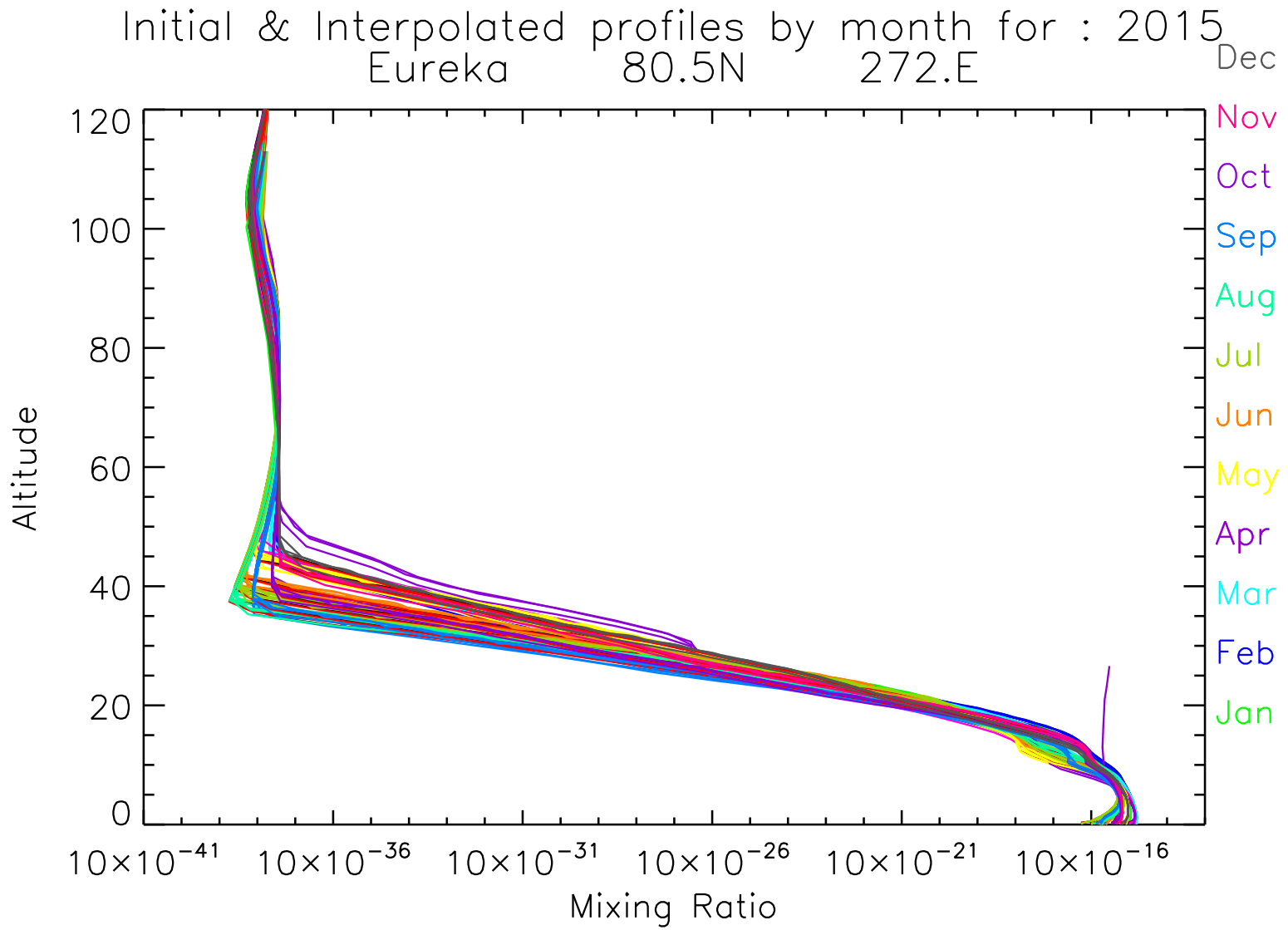
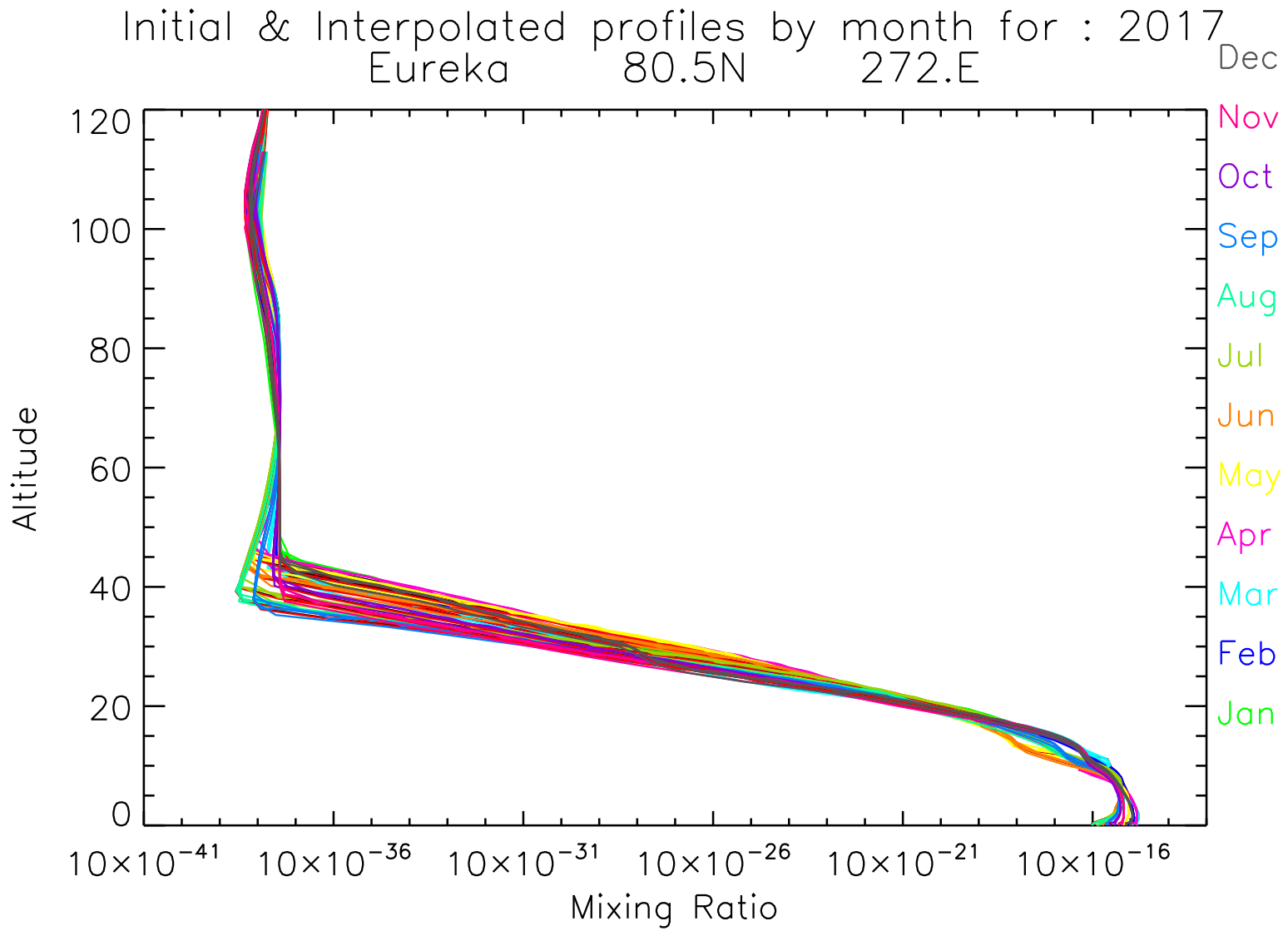
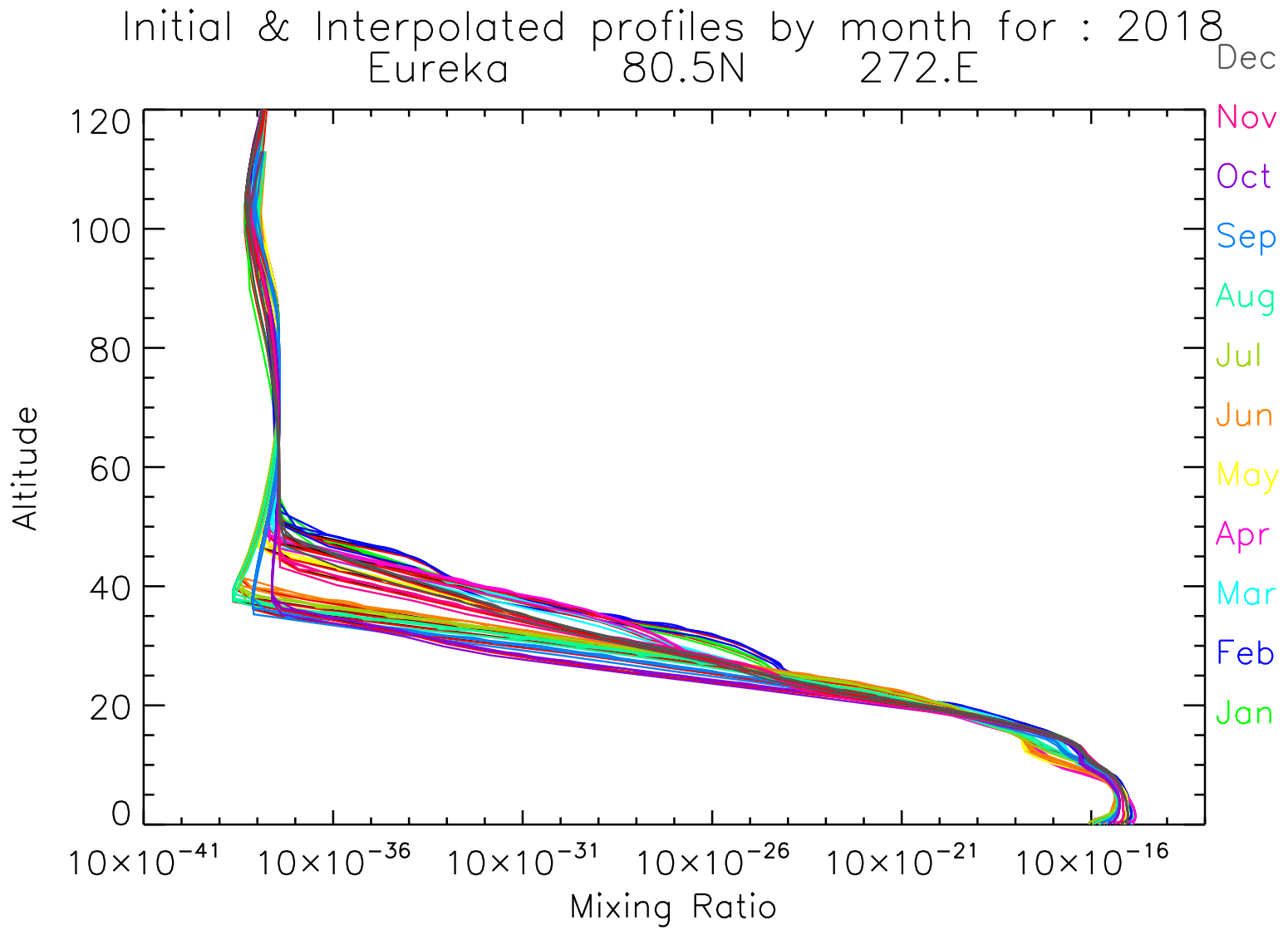
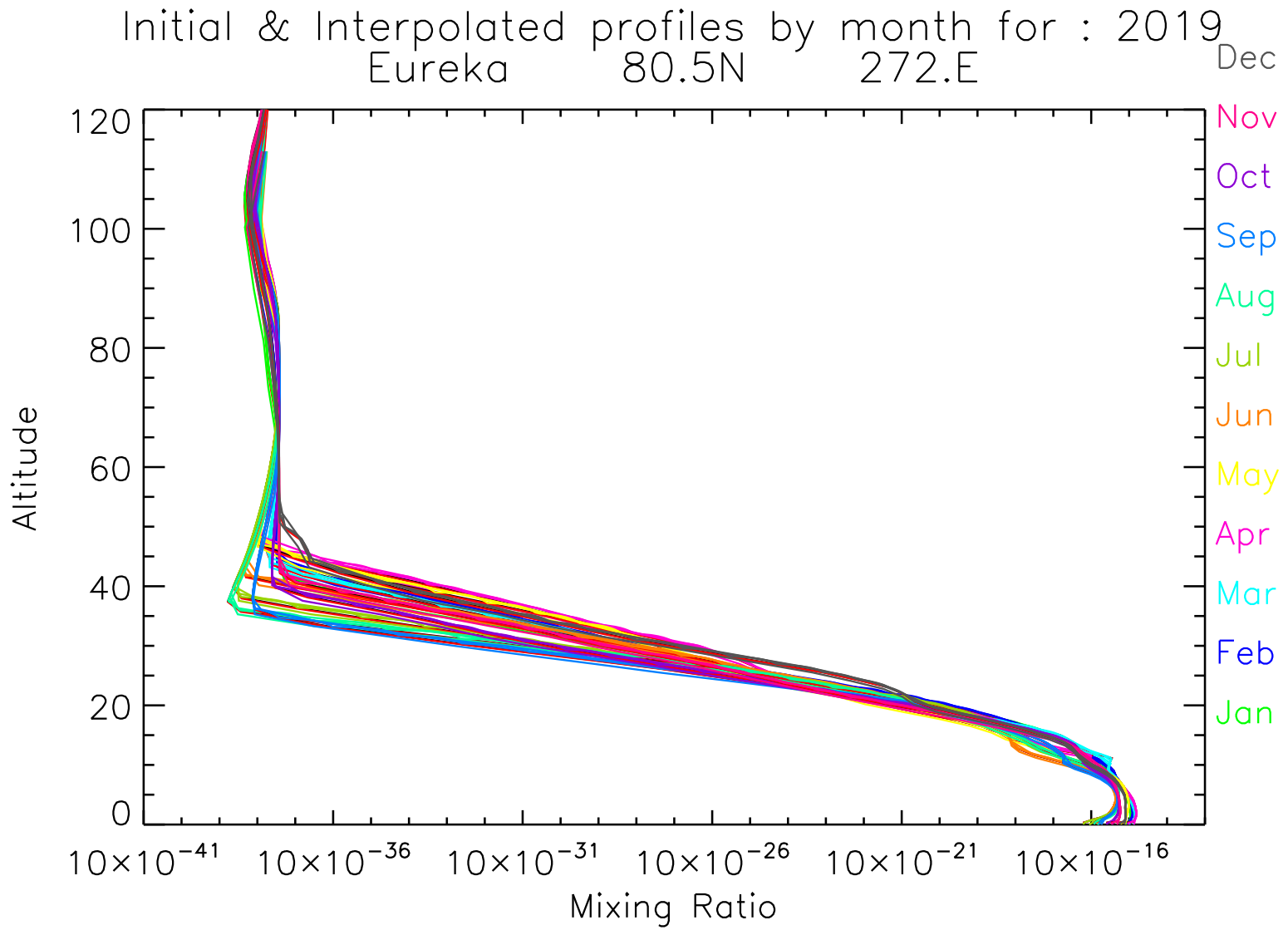
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

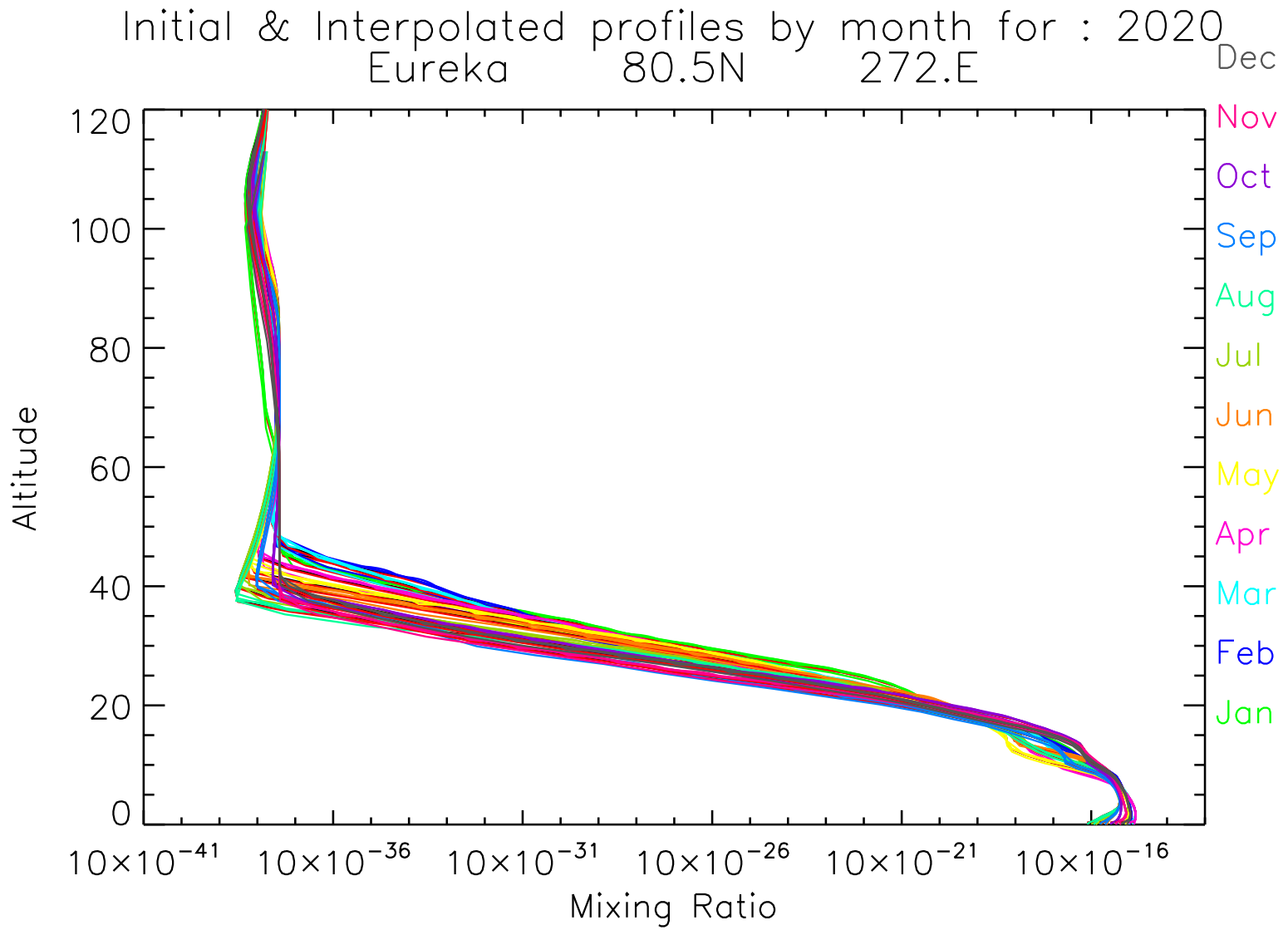

Initial & Interpolated profiles by month for : 2014
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

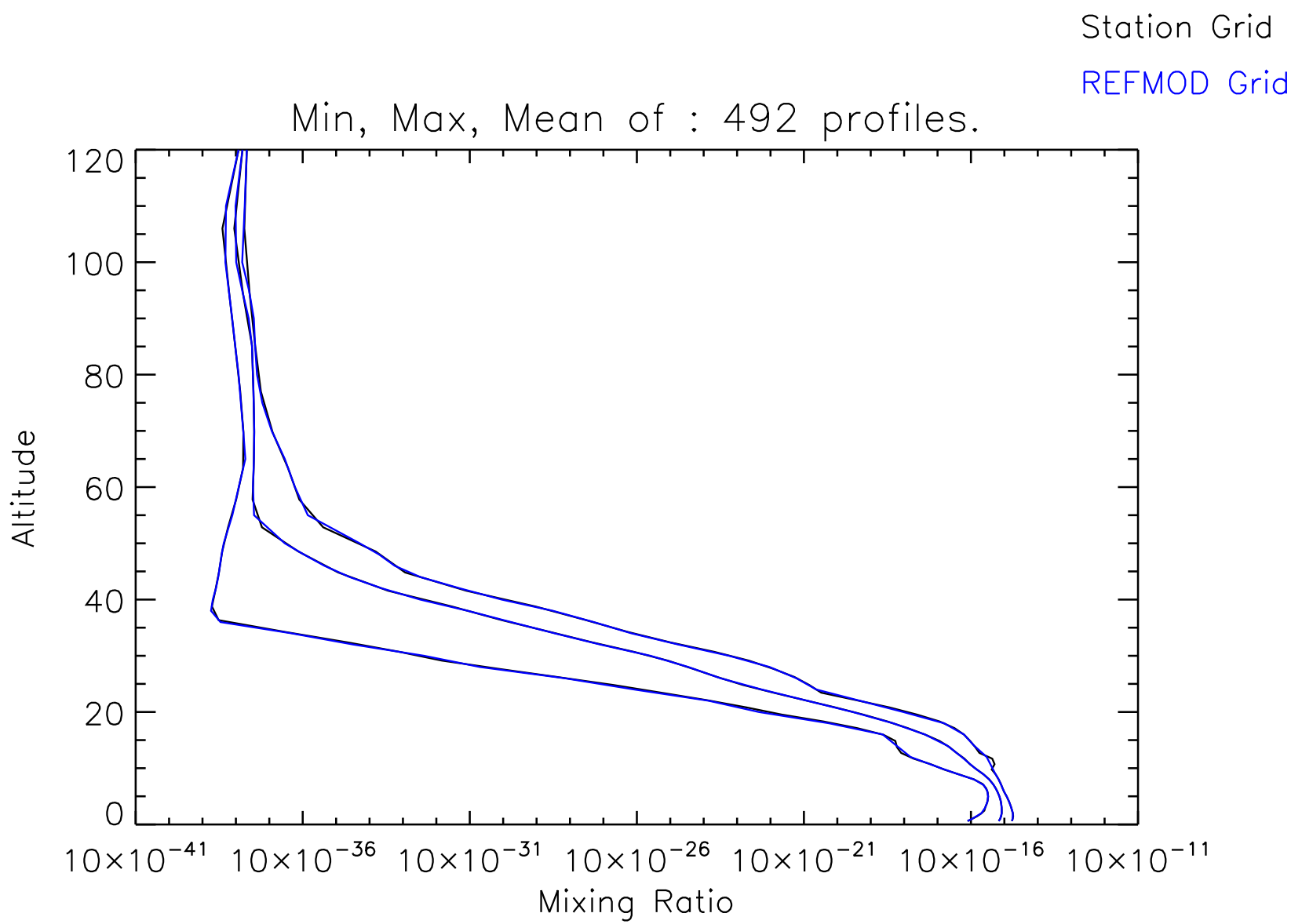

Initial & Interpolated profiles by month for : 2015
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

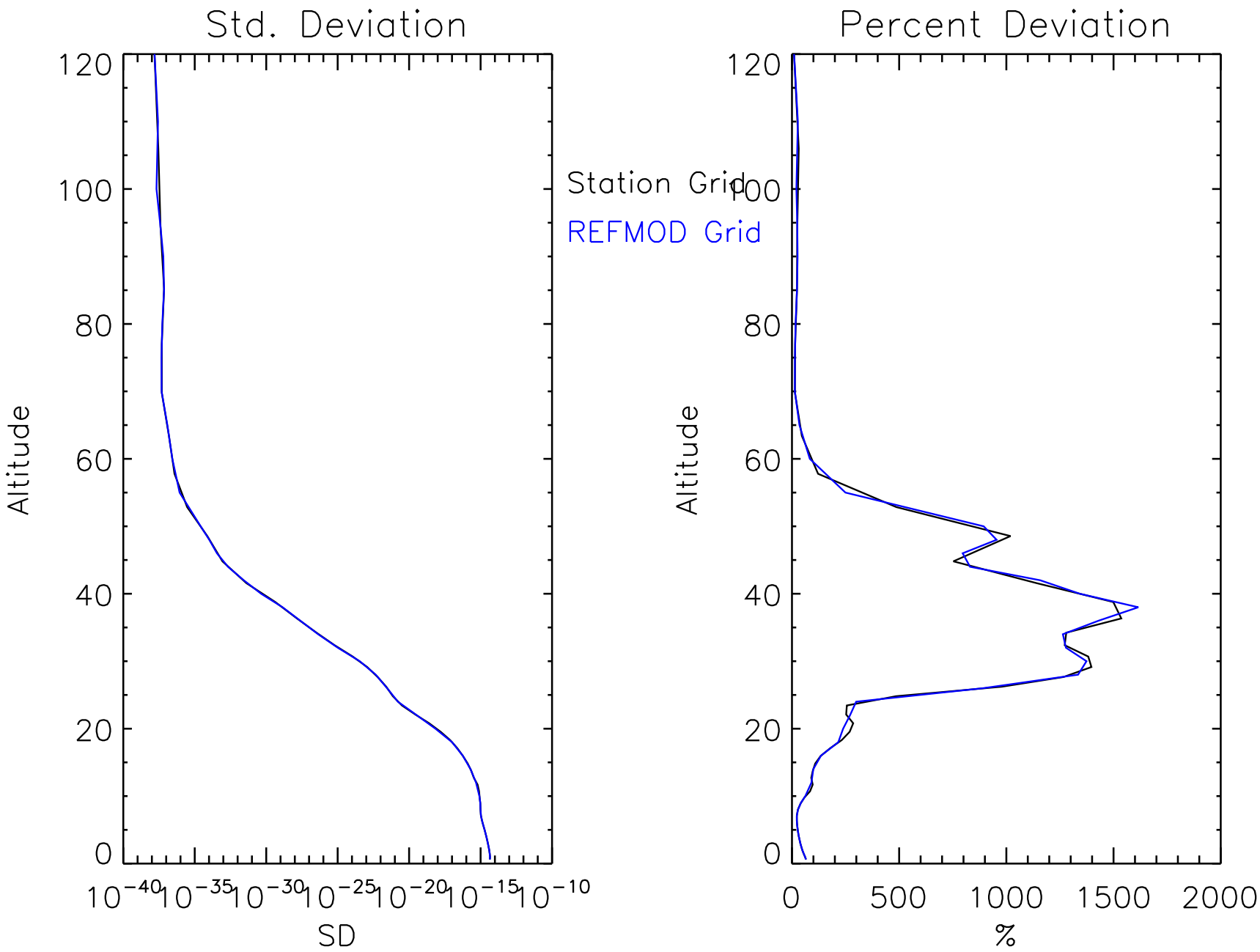

Initial & Interpolated profiles by month for : 2017
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

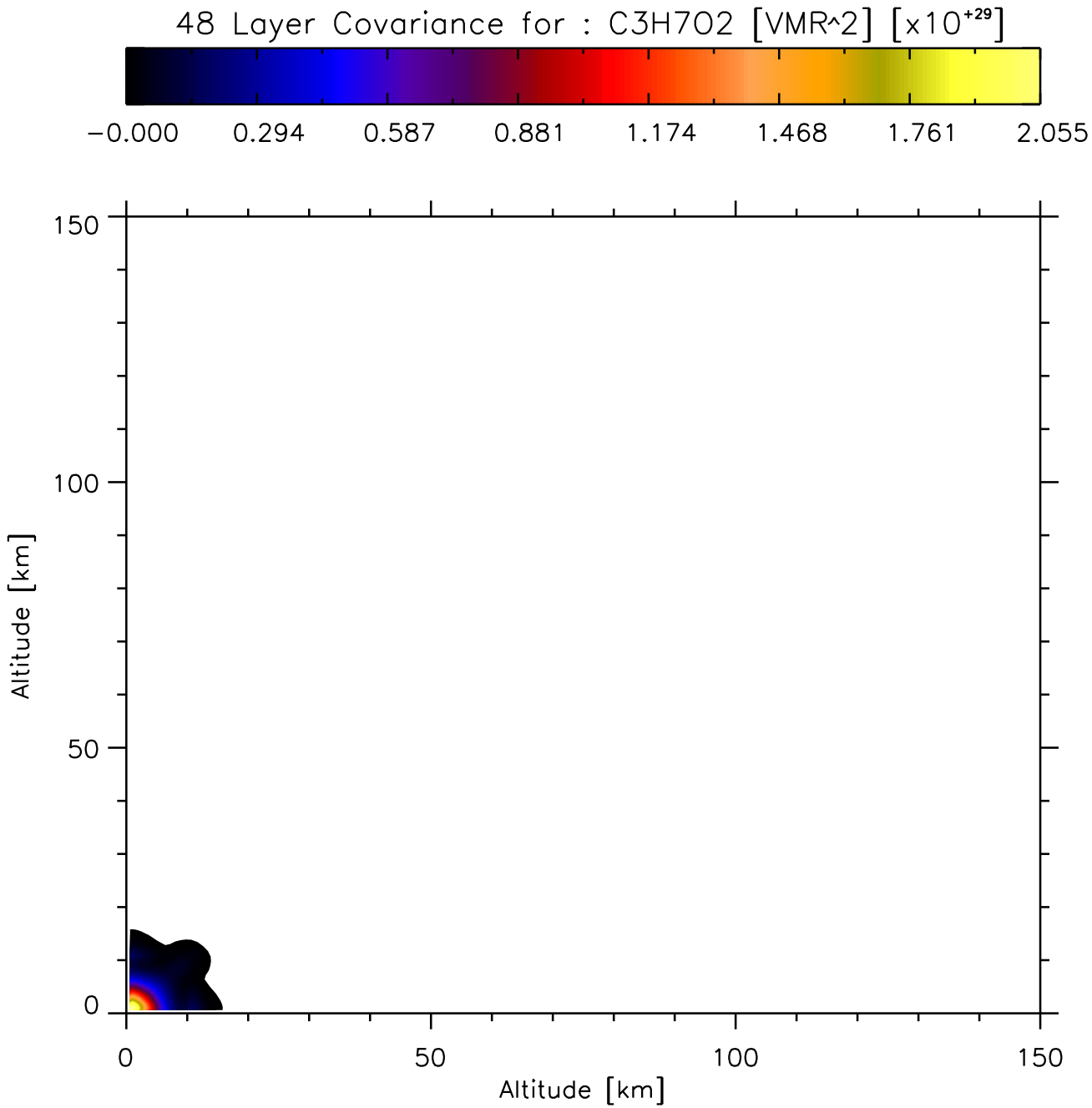

Initial & Interpolated profiles by month for : 2018
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

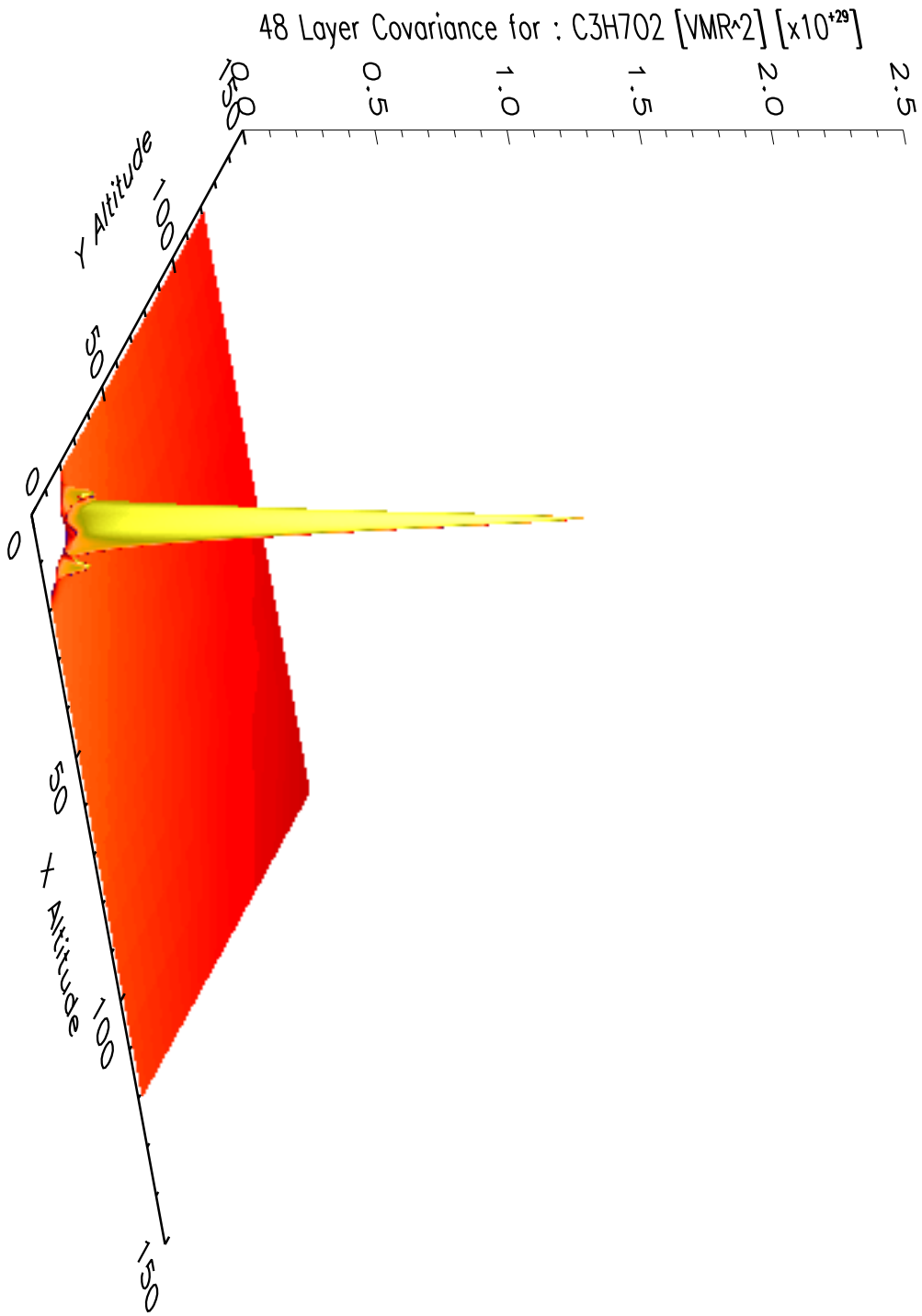

Initial & Interpolated profiles by month for : 2019
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

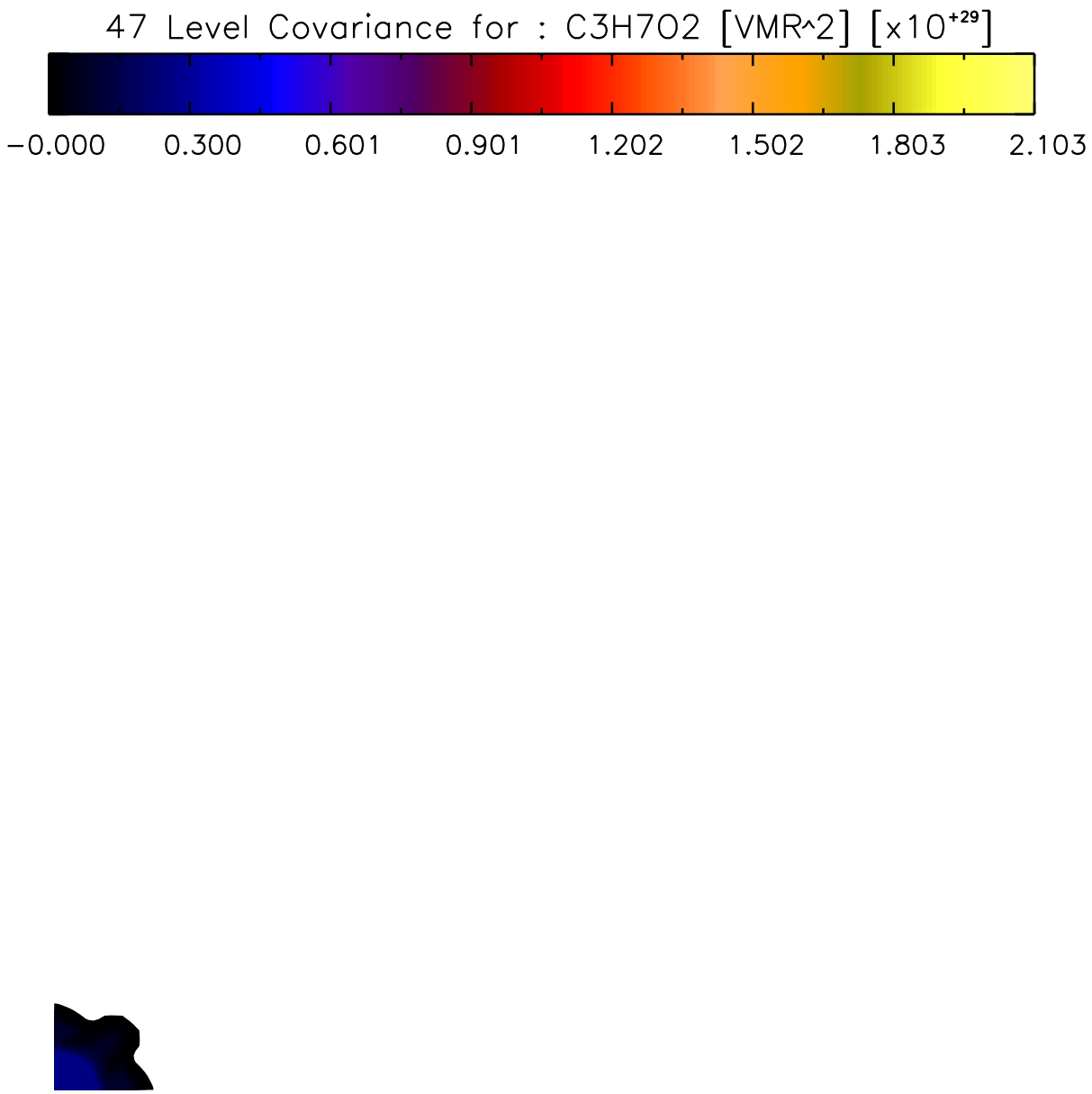

Initial & Interpolated profiles by month for : 2020
Eureka 80.5N 272.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
10×10^-11
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-40} 10^{-35} 10^{-30} 10^{-25} 10^{-20} 10^{-15} 10^{-10}
SD
0
500
1000
1500
2000
%


48 Layer Covariance for : C3H7O2 [VMR^2] [x10^+29]
−0.000
0.294
0.587
0.881
1.174
1.468
1.761
2.055
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Layer Covariance for : C3H7O2 [VMR^2] [x10^+29]
0.0
0.5
1.0
1.5
2.0
2.5
Y Altitude
0
50
100
0
50
100
X Altitude


47 Level Covariance for : C3H7O2 [VMR^2] [x10^+29]
−0.000
0.300
0.601
0.901
1.202
1.502
1.803
2.103