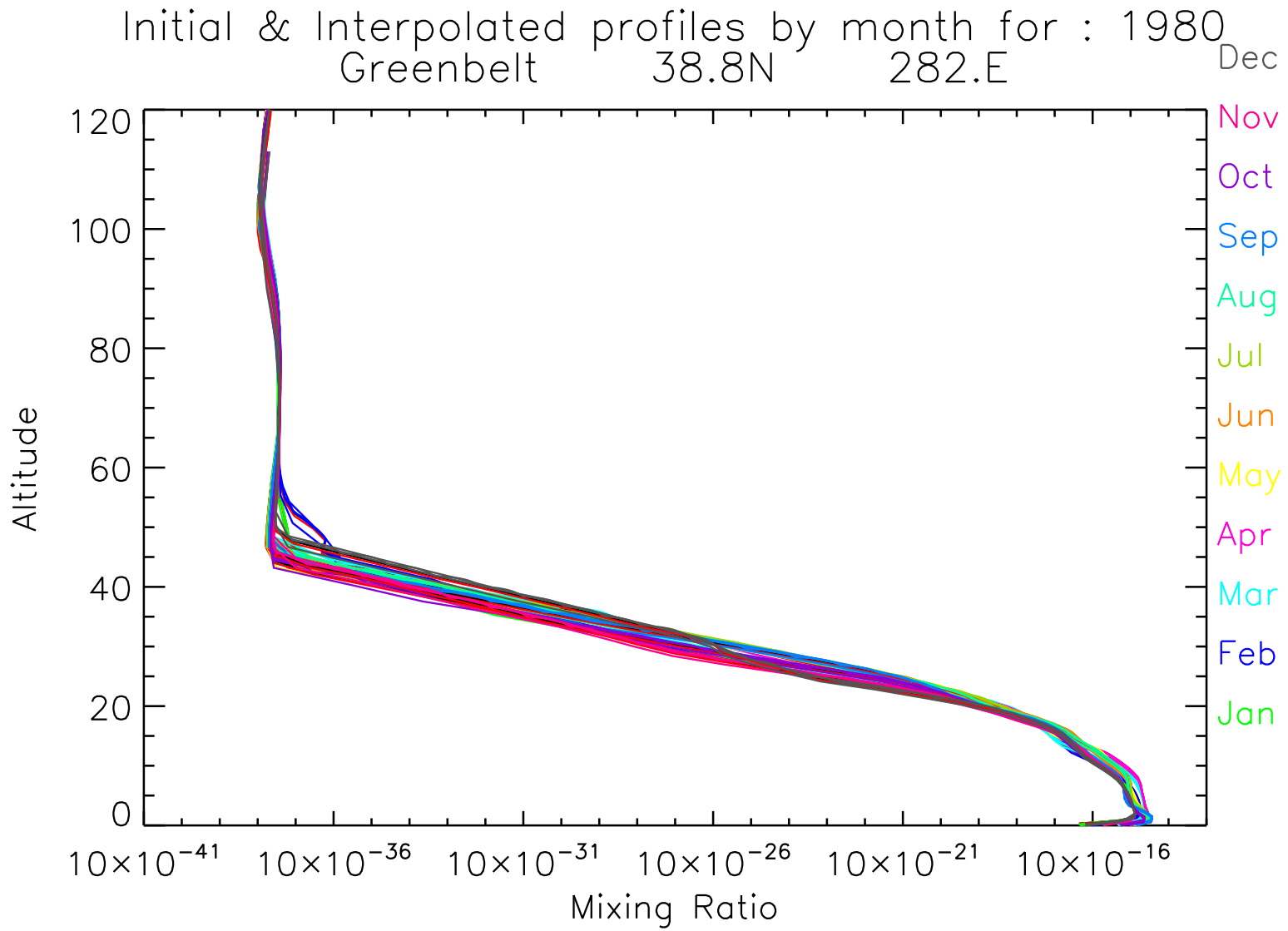
Initial & Interpolated profiles by month for : 1980
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
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May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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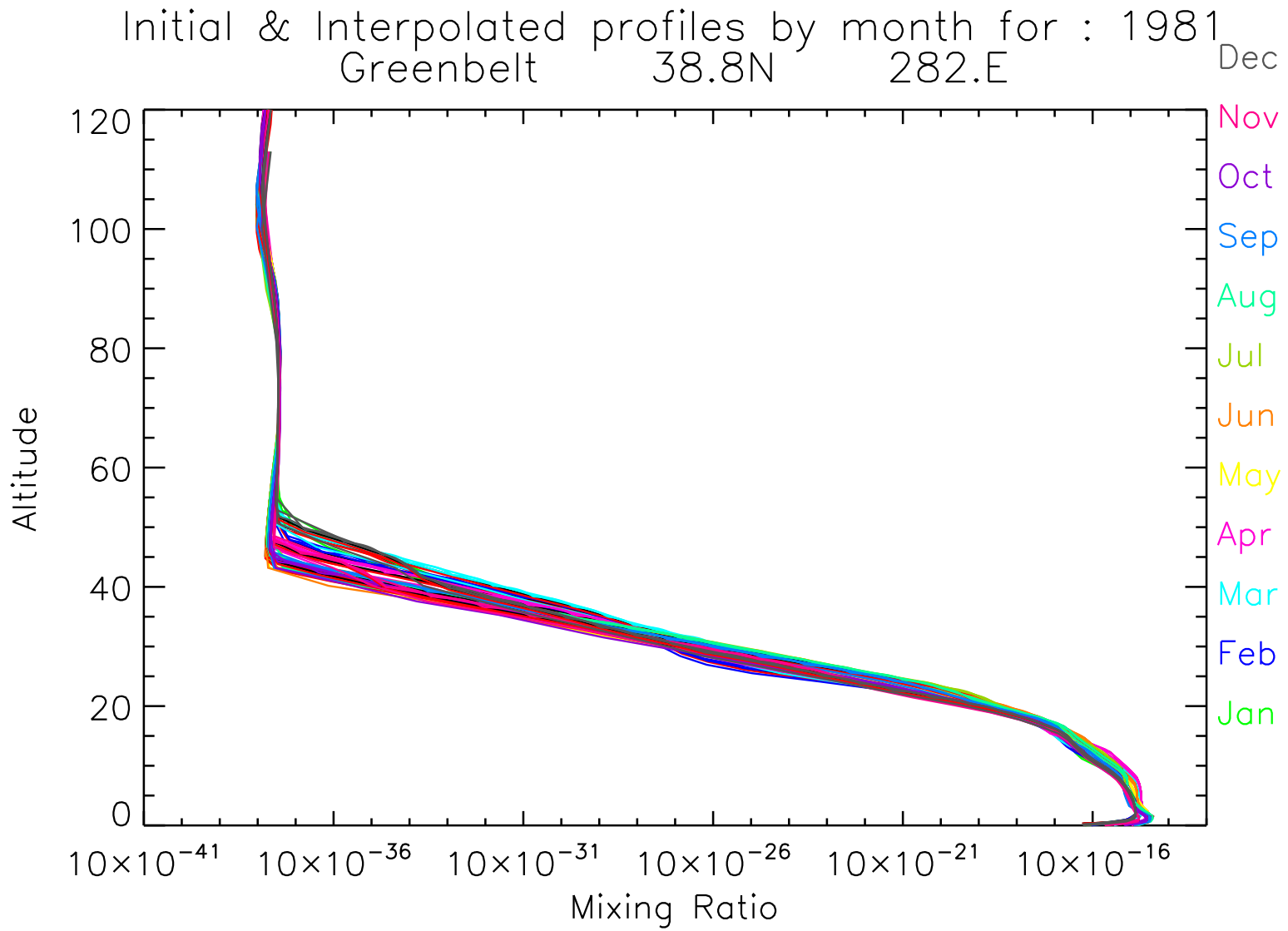
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
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May
Apr
Mar
Feb
Jan
120
100
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Altitude
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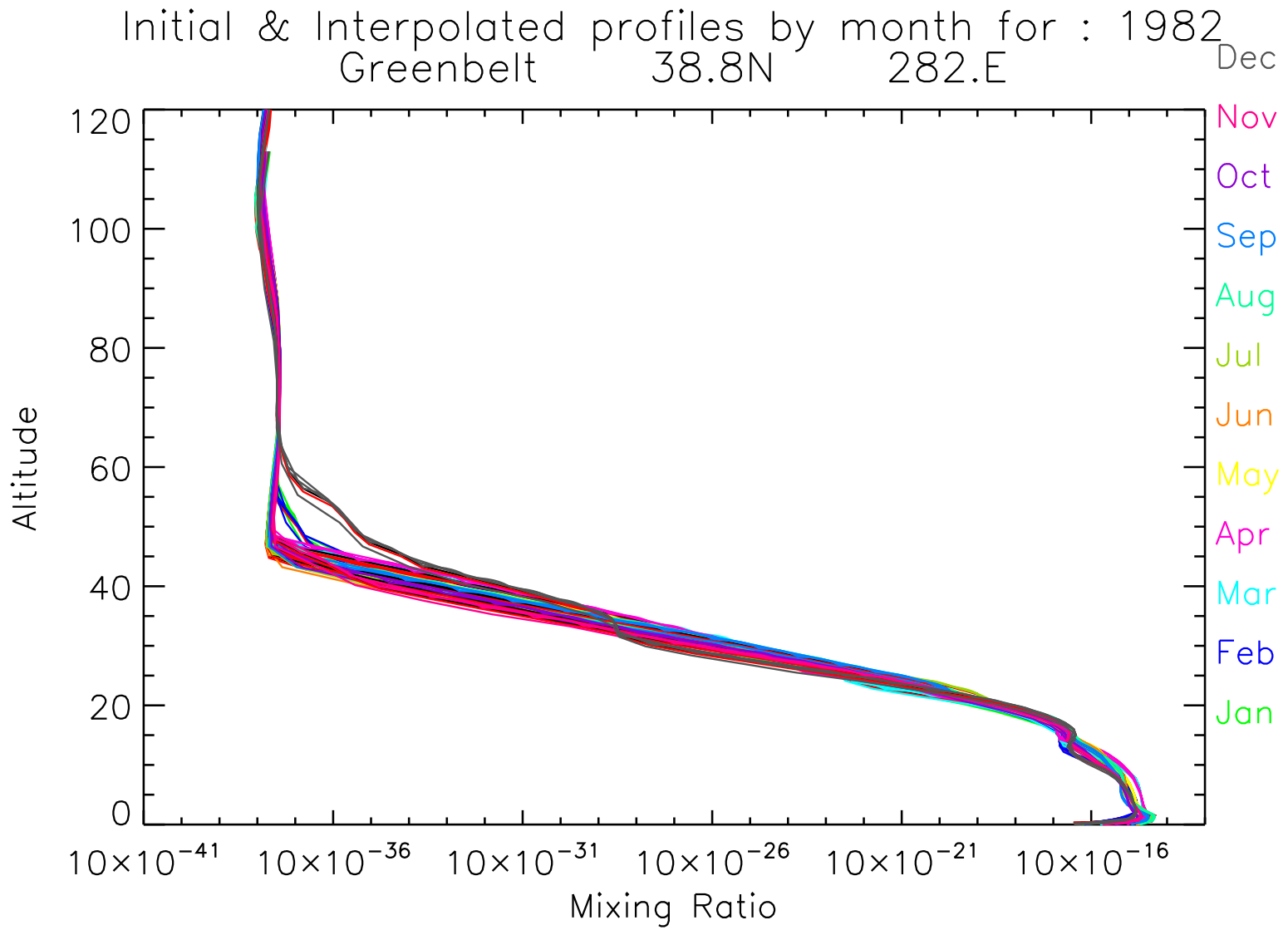
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Greenbelt 38.8N 282.E
Dec
Nov
Oct
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Aug
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May
Apr
Mar
Feb
Jan
Altitude
120
100
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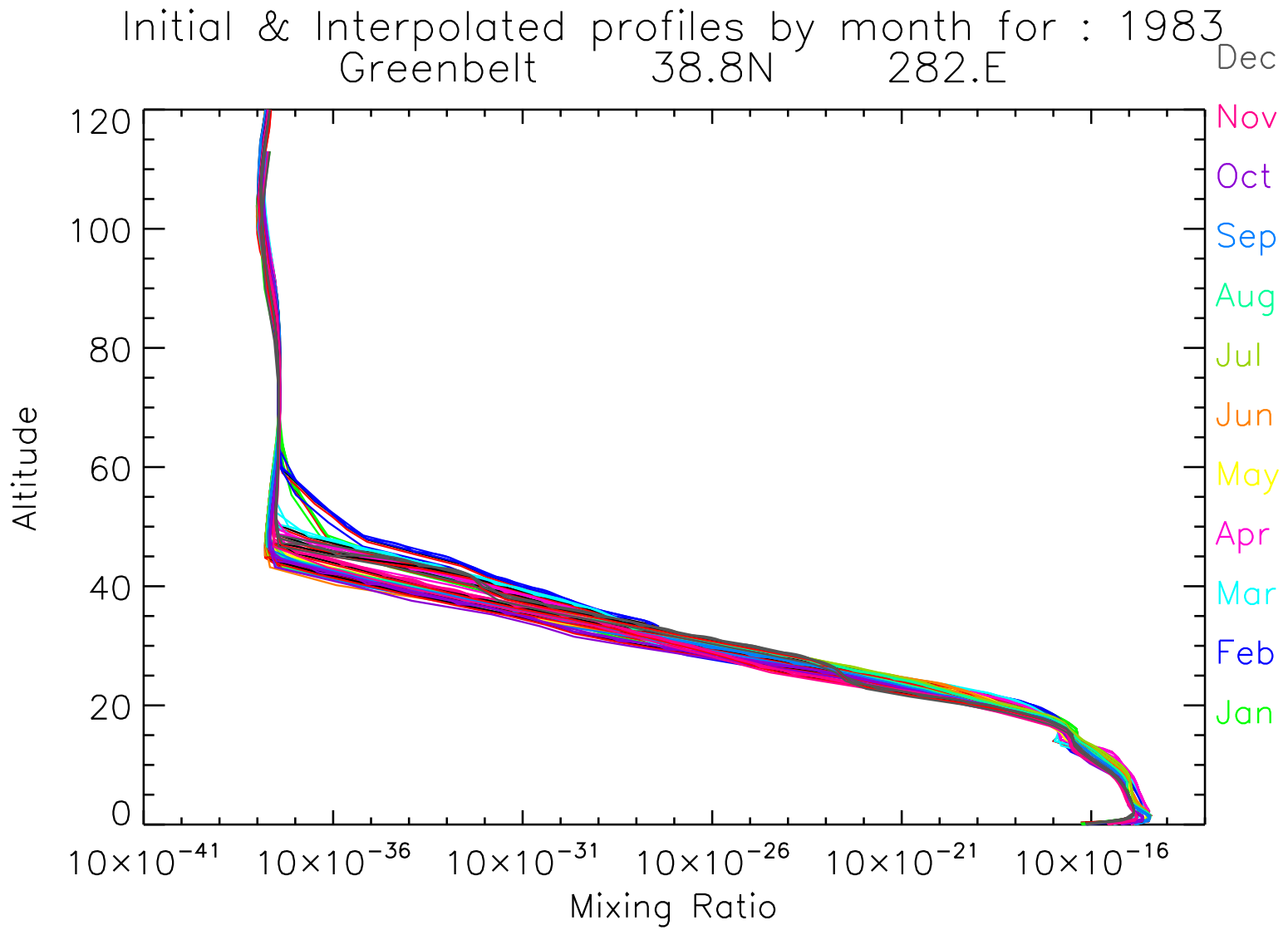
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Greenbelt 38.8N 282.E
Dec
Nov
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Feb
Jan
Altitude
120
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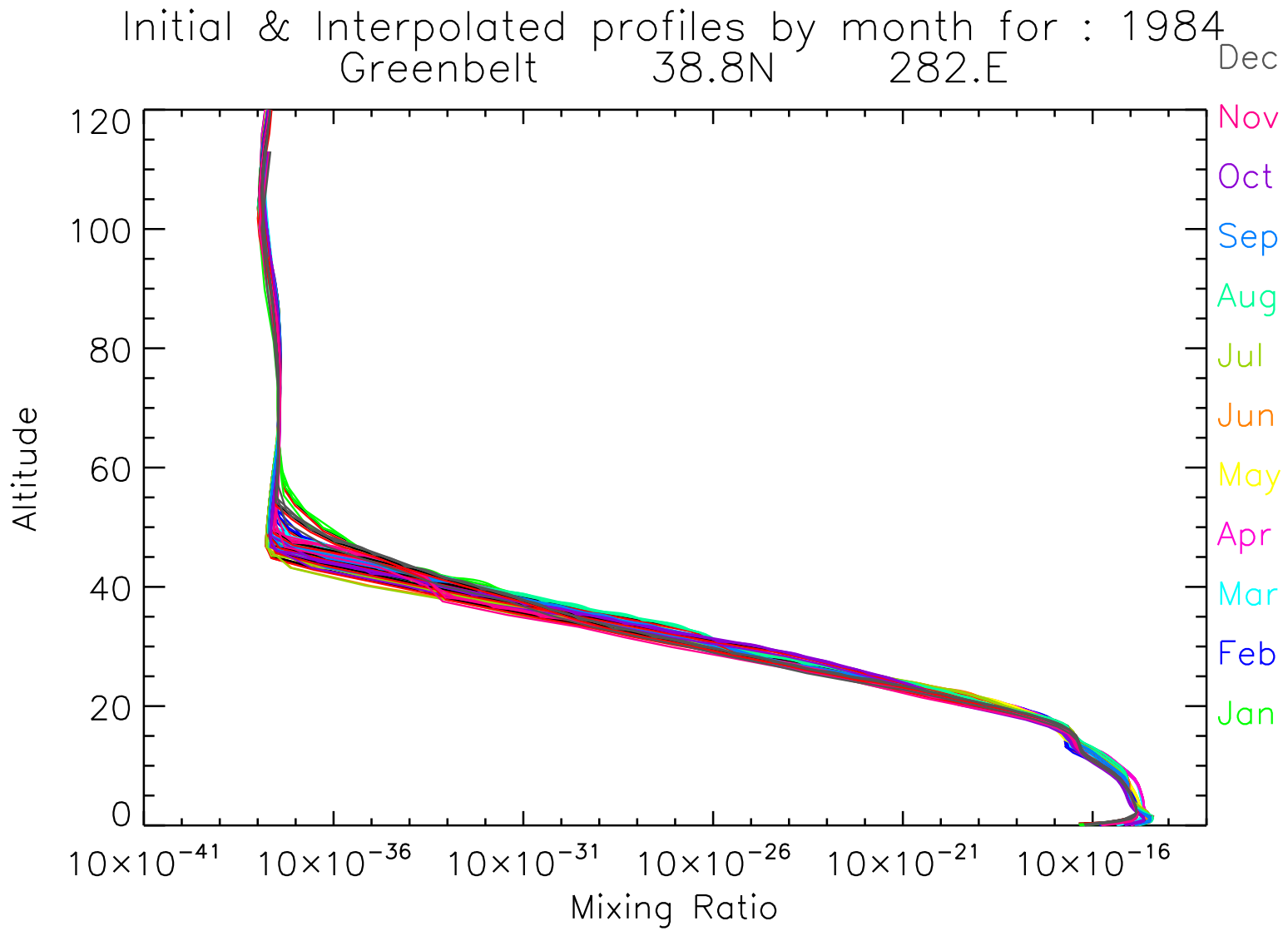
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Greenbelt 38.8N 282.E
Dec
Nov
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Apr
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Altitude
120
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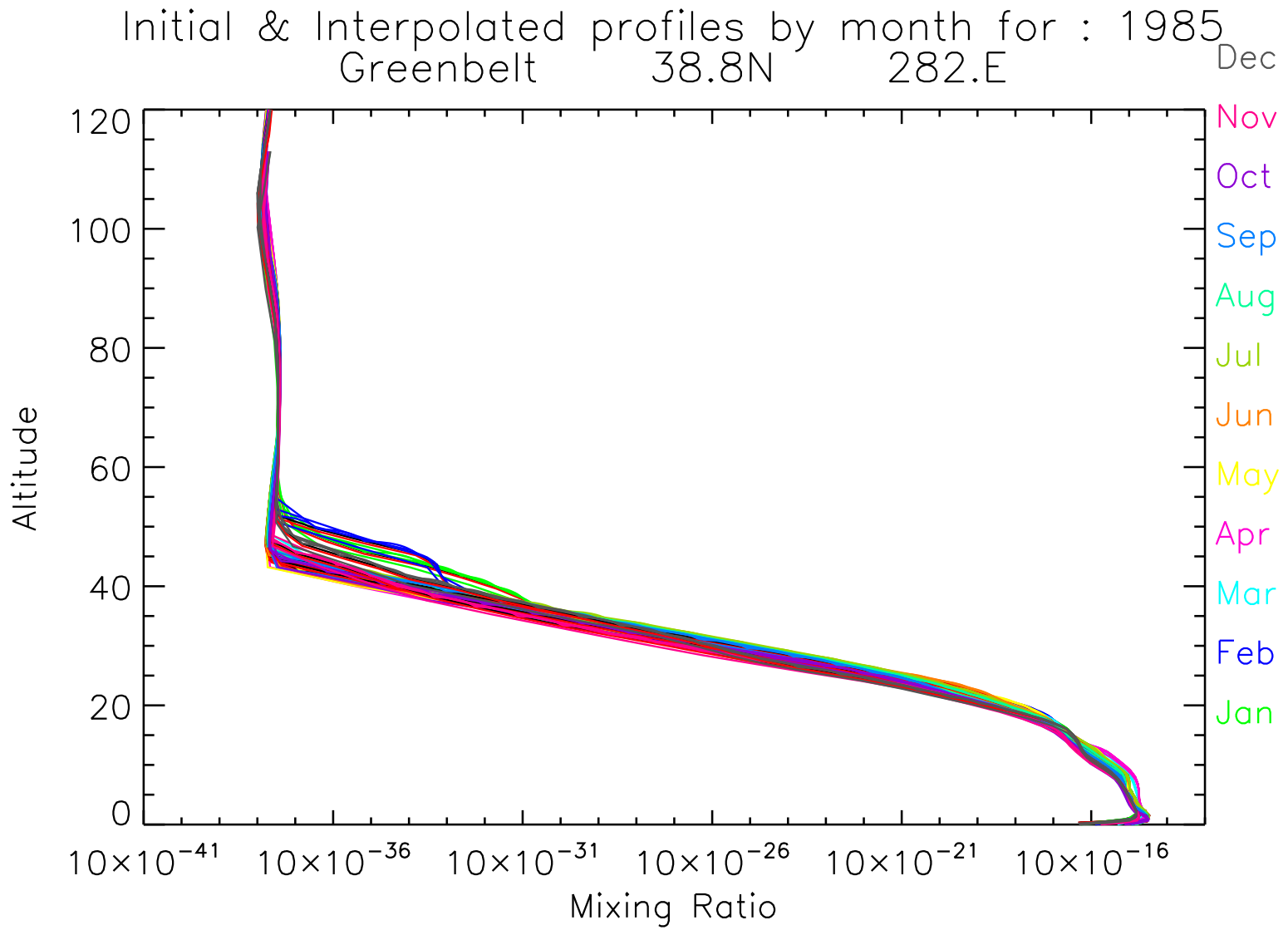
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Greenbelt 38.8N 282.E
Dec
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Jan
Altitude
120
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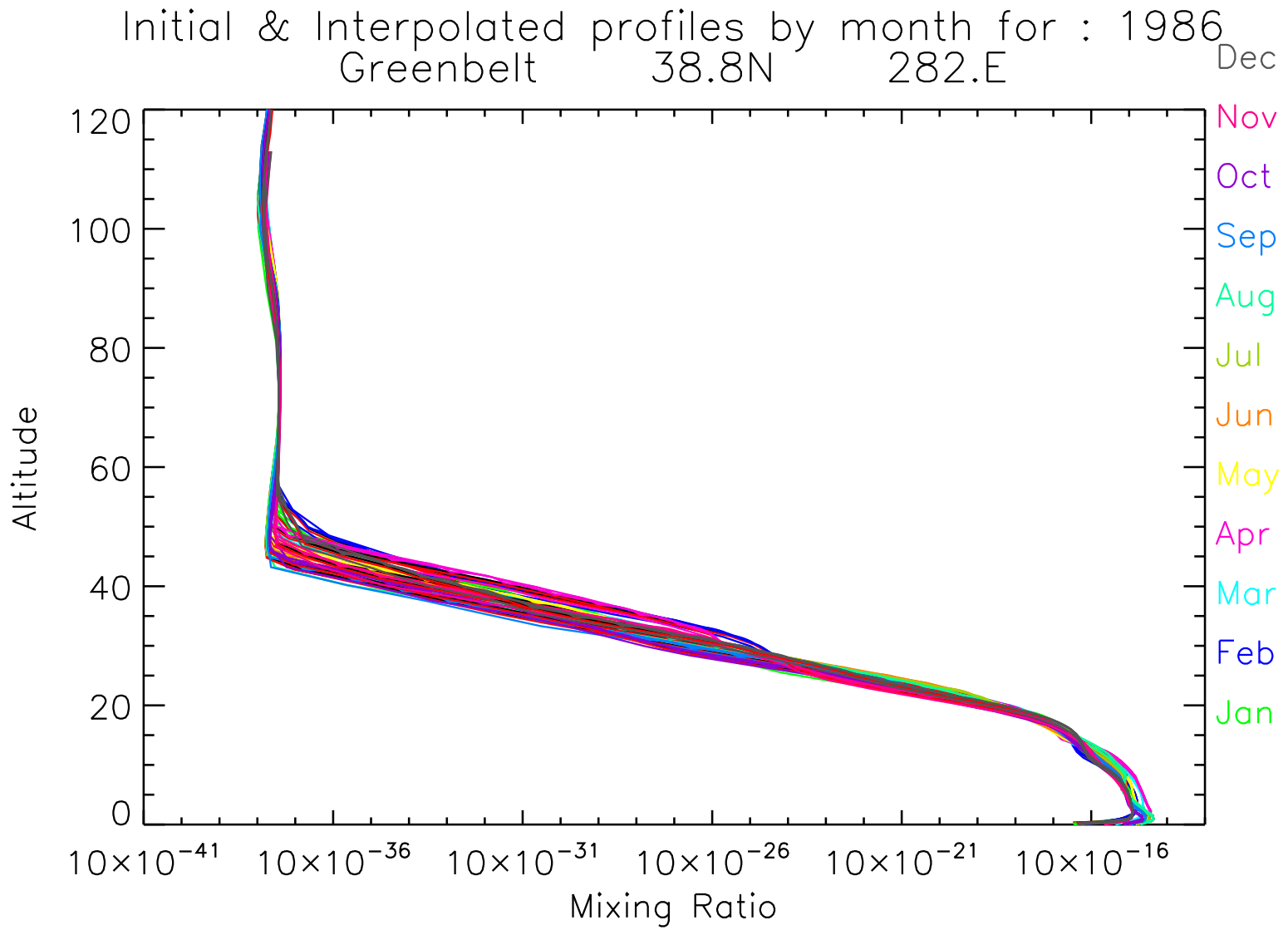
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Greenbelt 38.8N 282.E
Dec
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Feb
Jan
Altitude
120
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10×10^-36
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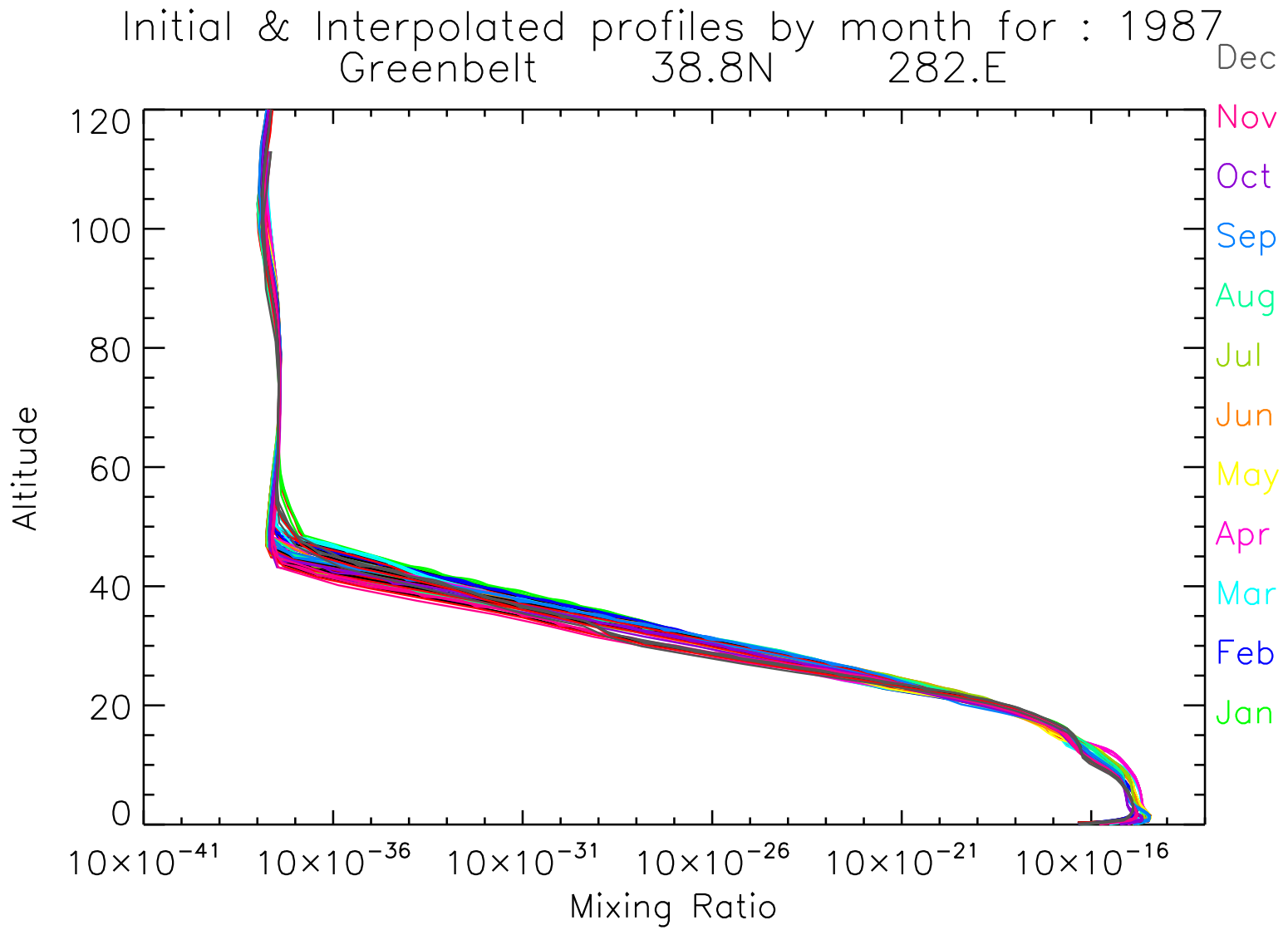
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Greenbelt 38.8N 282.E
Dec
Nov
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Apr
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Feb
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Altitude
120
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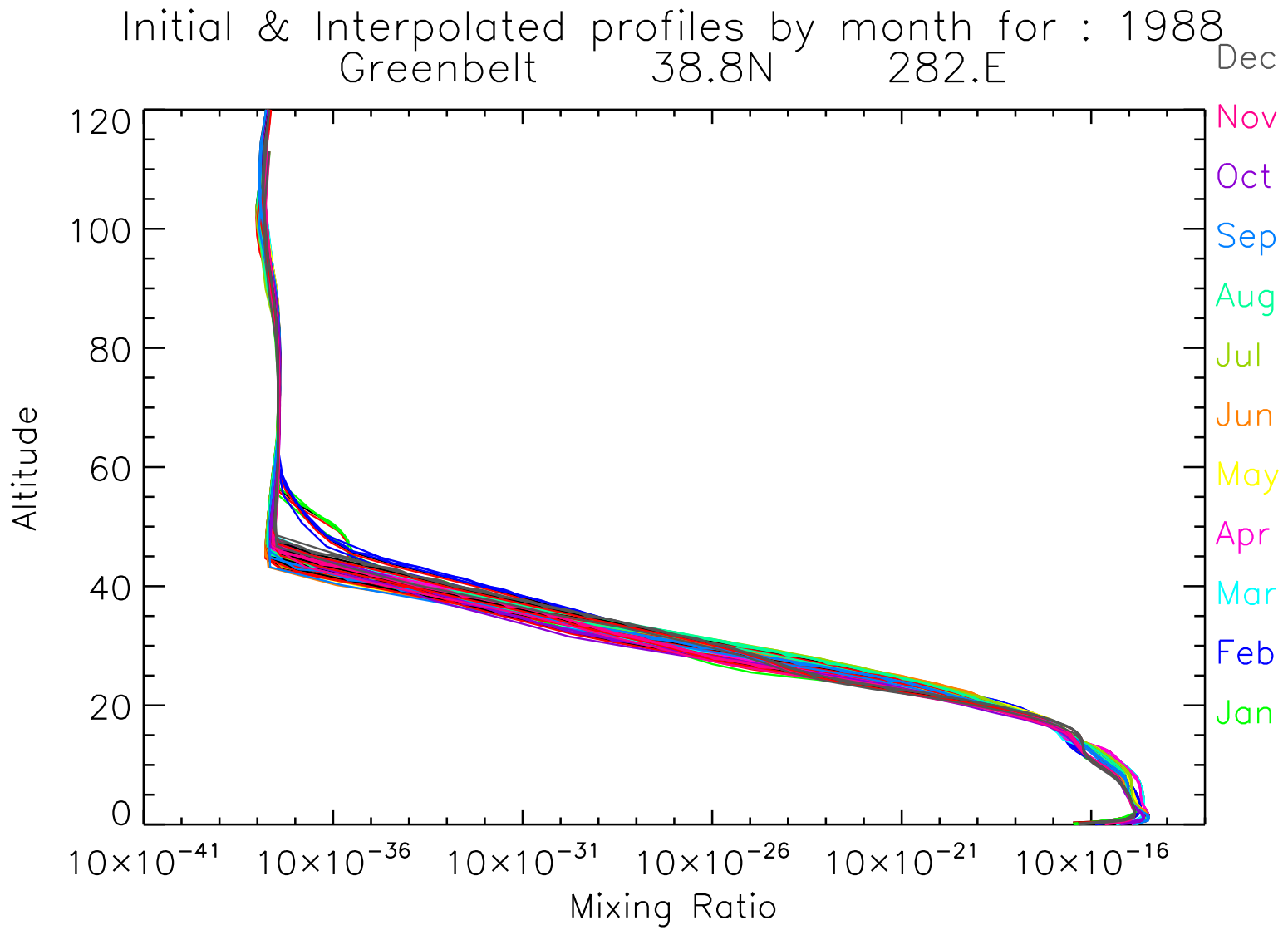
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Greenbelt 38.8N 282.E
Dec
Nov
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Feb
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Altitude
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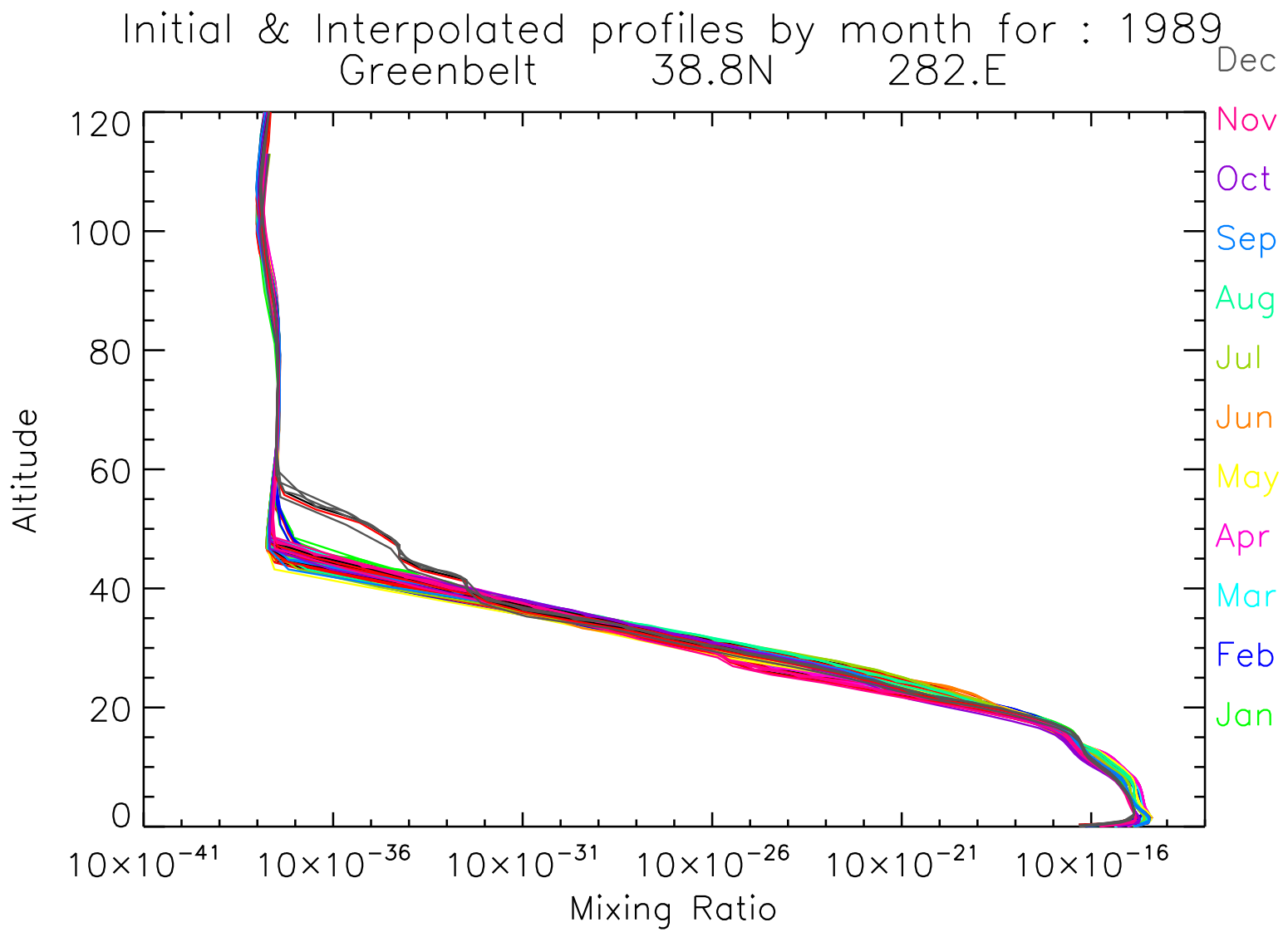
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Greenbelt 38.8N 282.E
Dec
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Altitude
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10×10^-41
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10×10^-31
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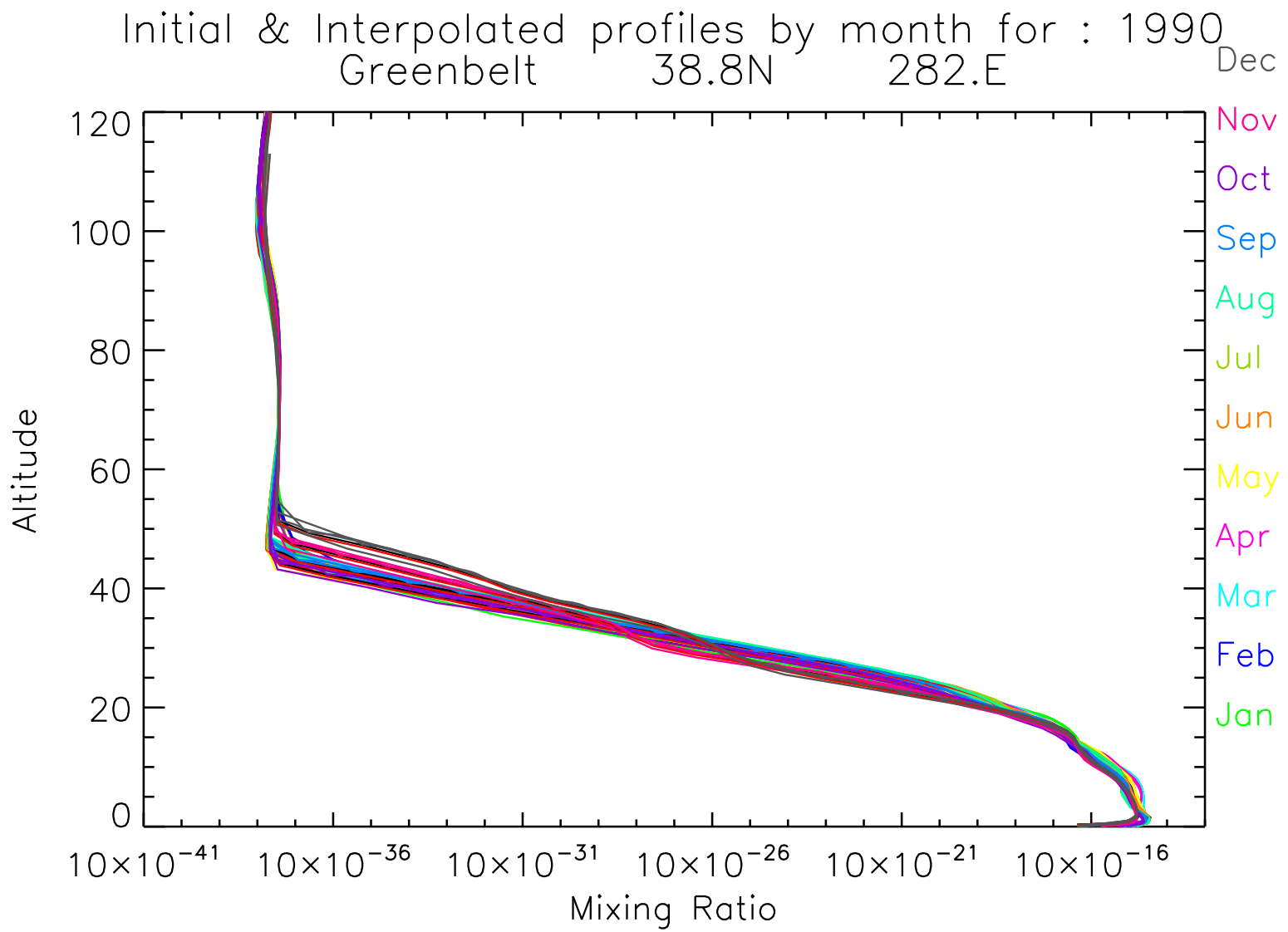
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Greenbelt 38.8N 282.E
Dec
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Altitude
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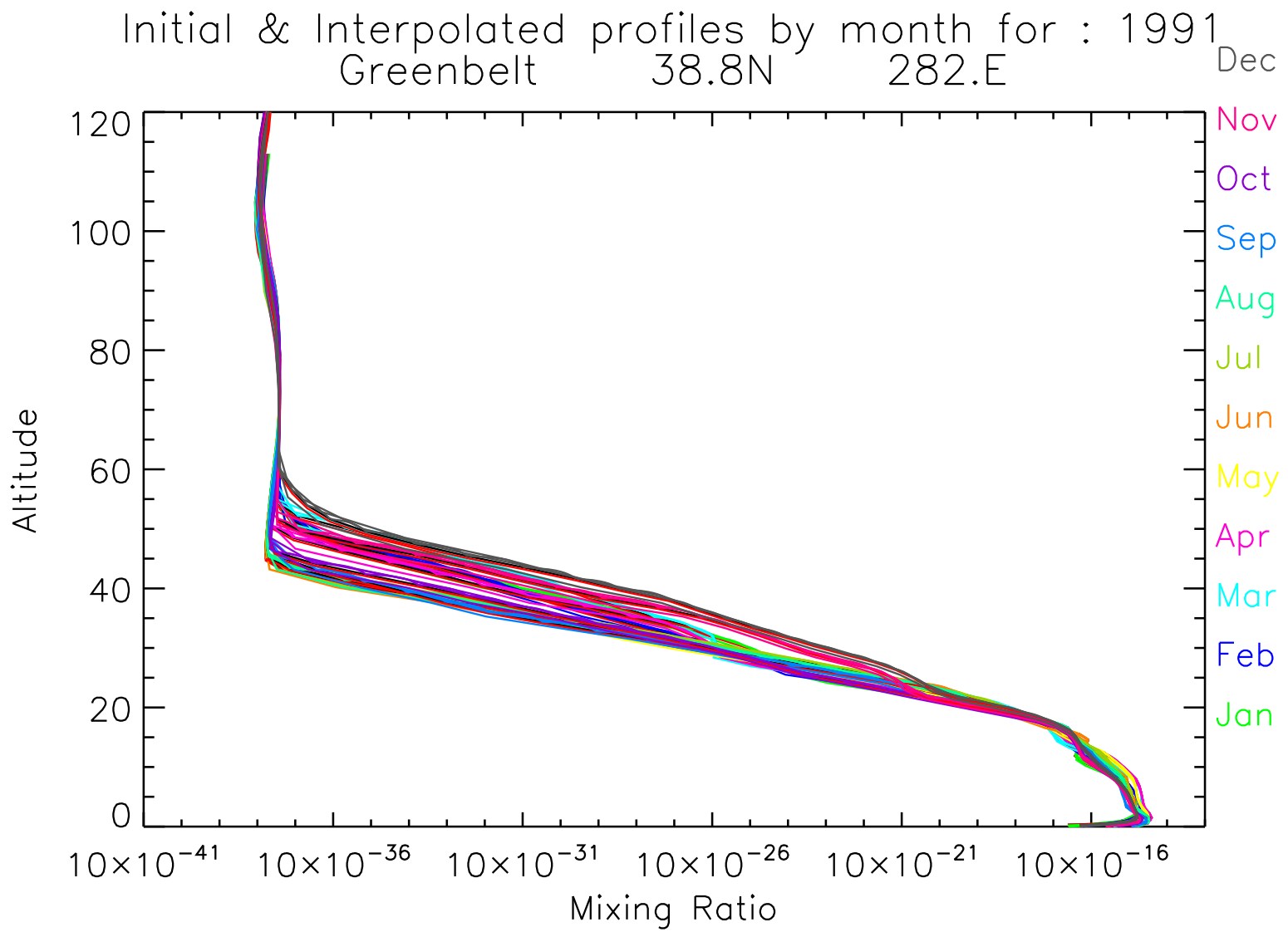
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Greenbelt 38.8N 282.E
Dec
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Jul
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May
Apr
Mar
Feb
Jan
Altitude
120
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10×10^-41
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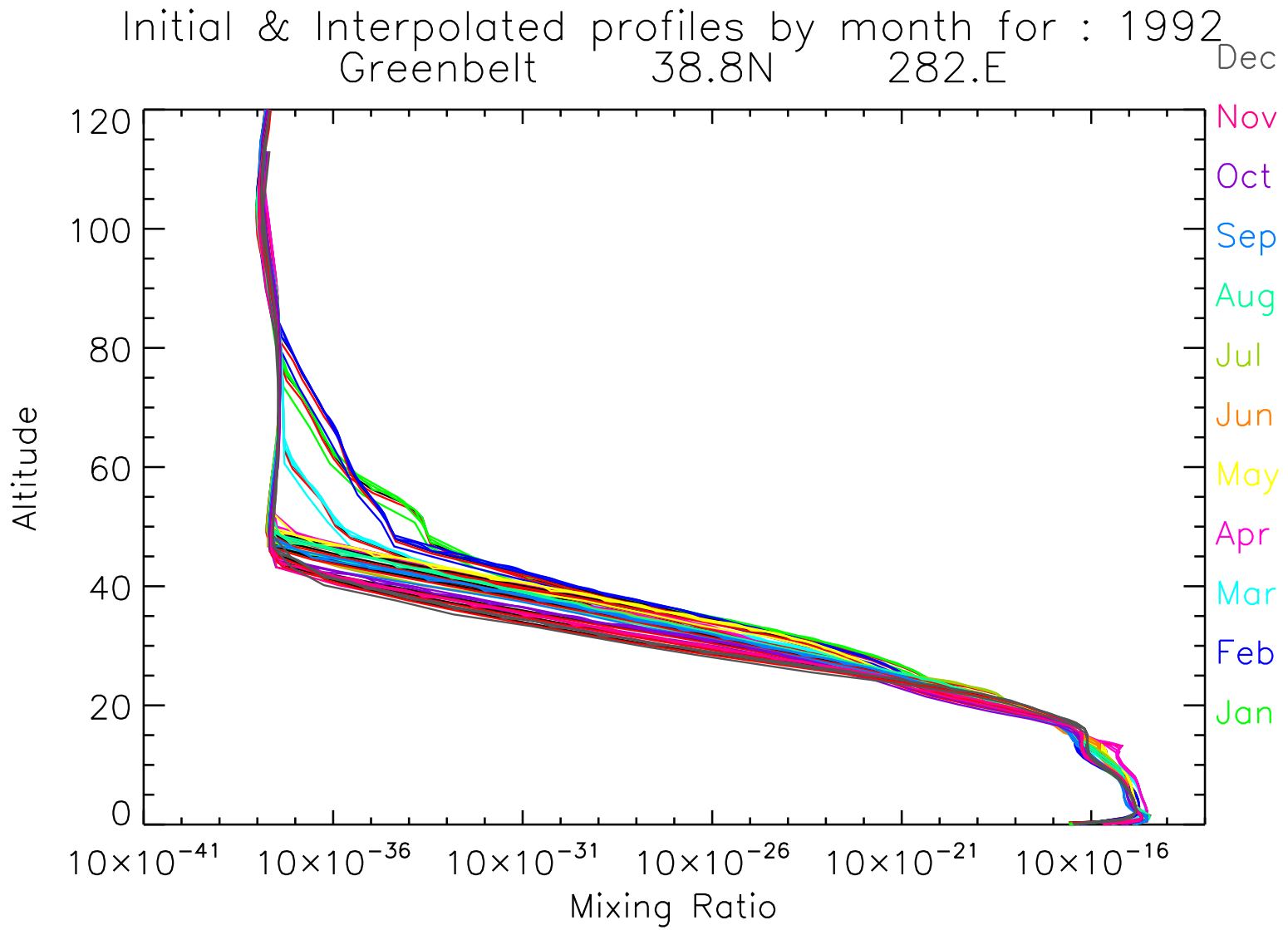
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Greenbelt 38.8N 282.E
Dec
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Altitude
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10×10^-31
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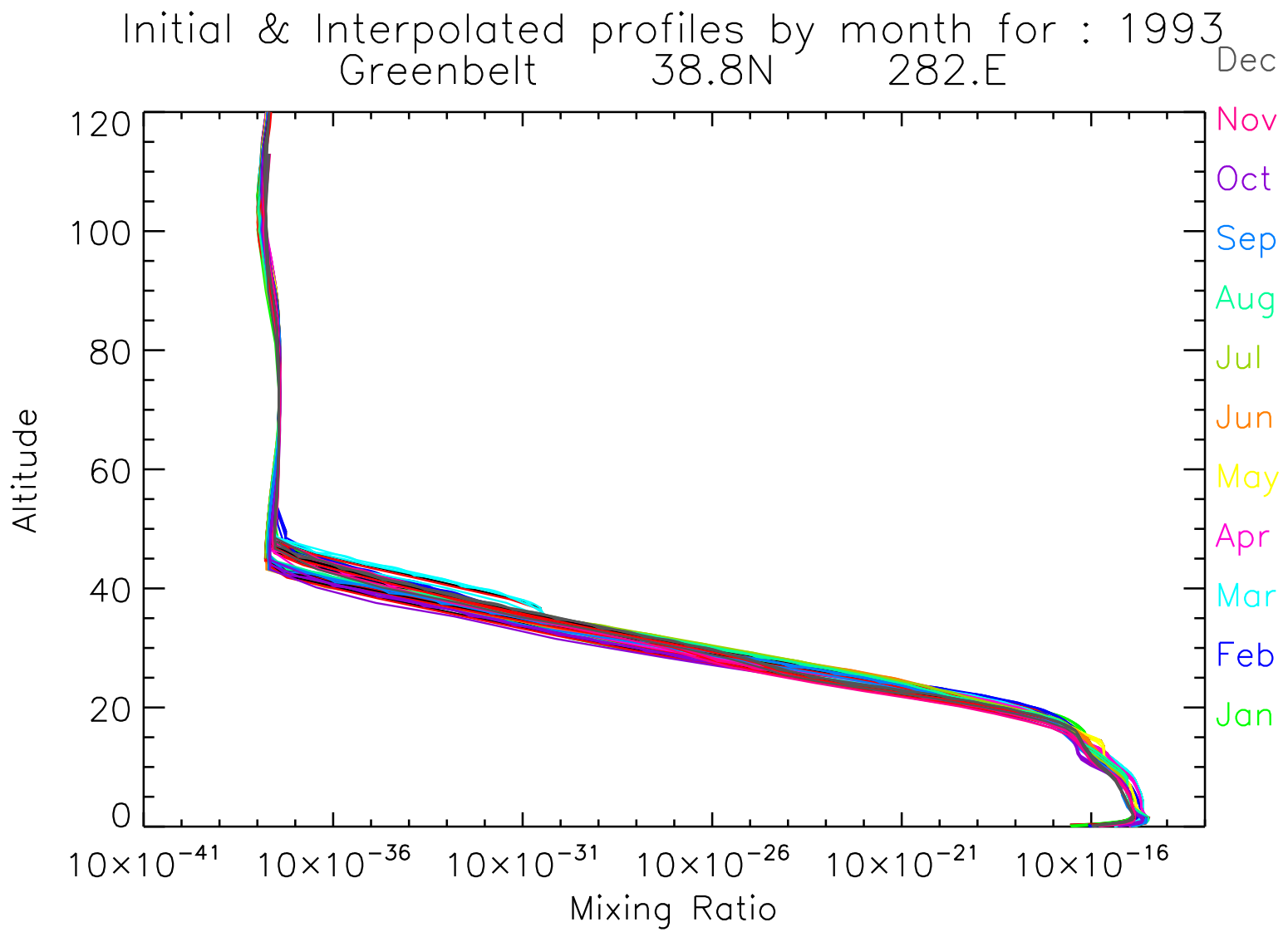
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Greenbelt 38.8N 282.E
Dec
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Altitude
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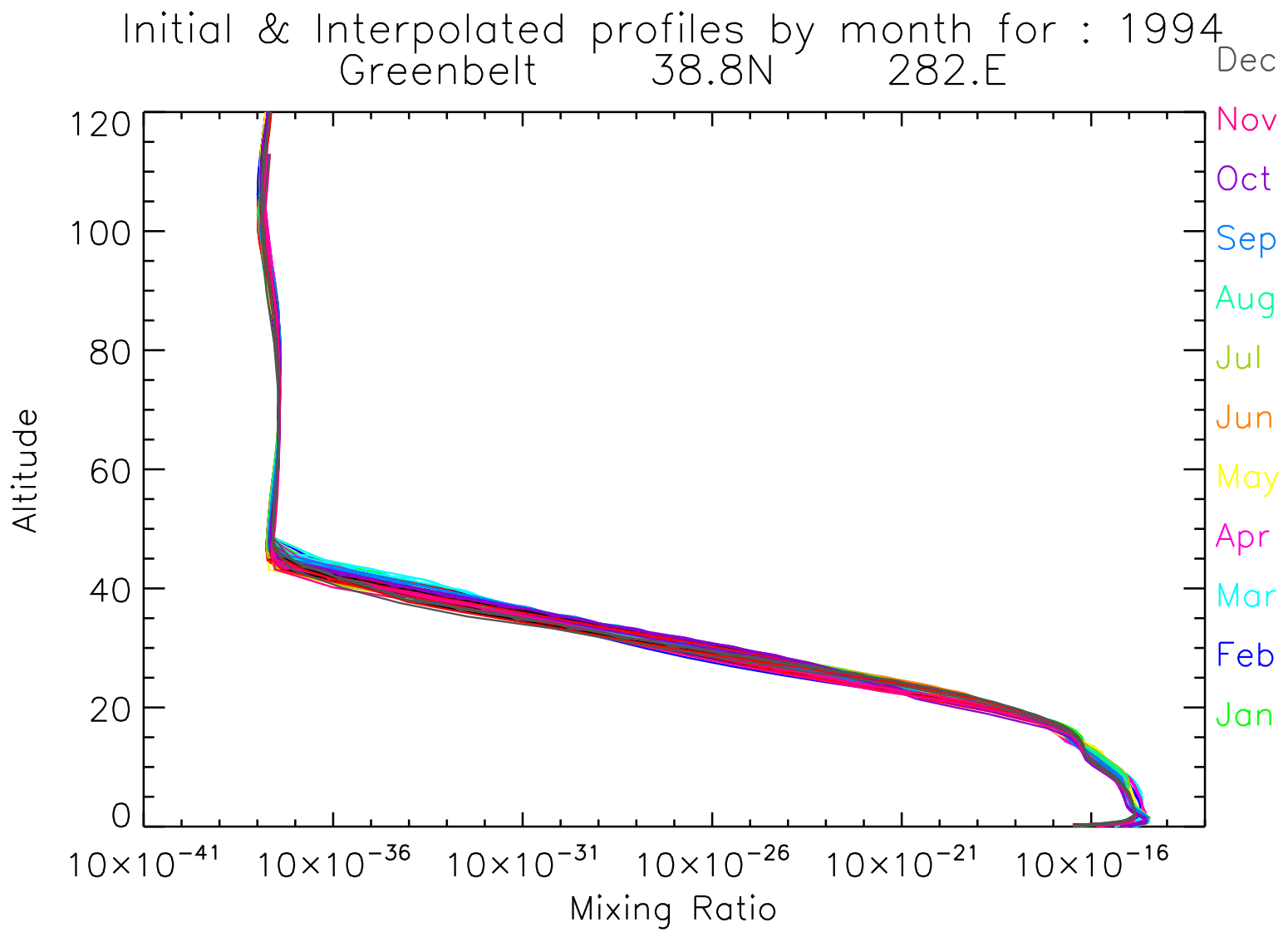
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Greenbelt 38.8N 282.E
Dec
Nov
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Feb
Jan
Altitude
120
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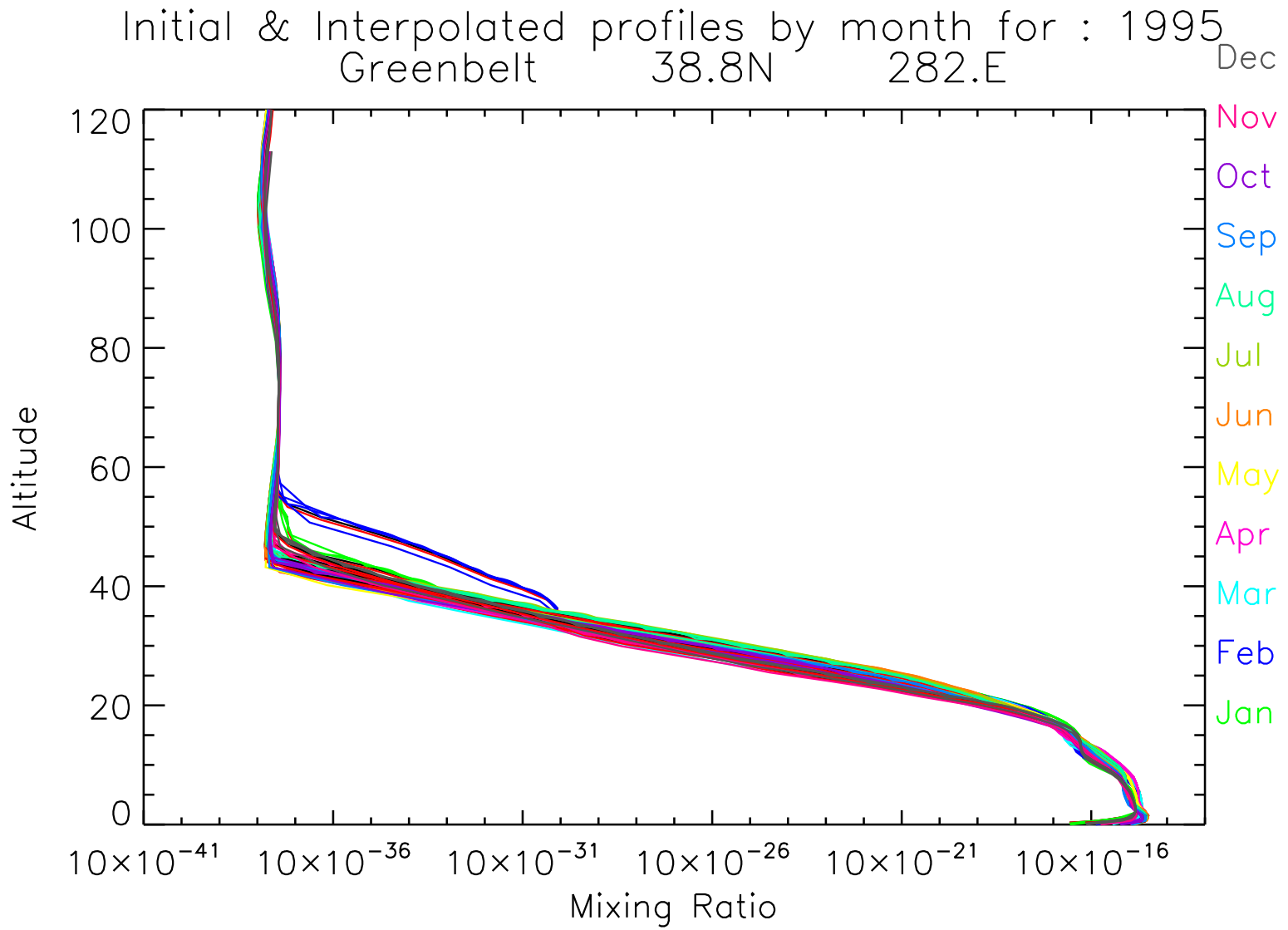
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Greenbelt 38.8N 282.E
Dec
Nov
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Sep
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May
Apr
Mar
Feb
Jan
Altitude
120
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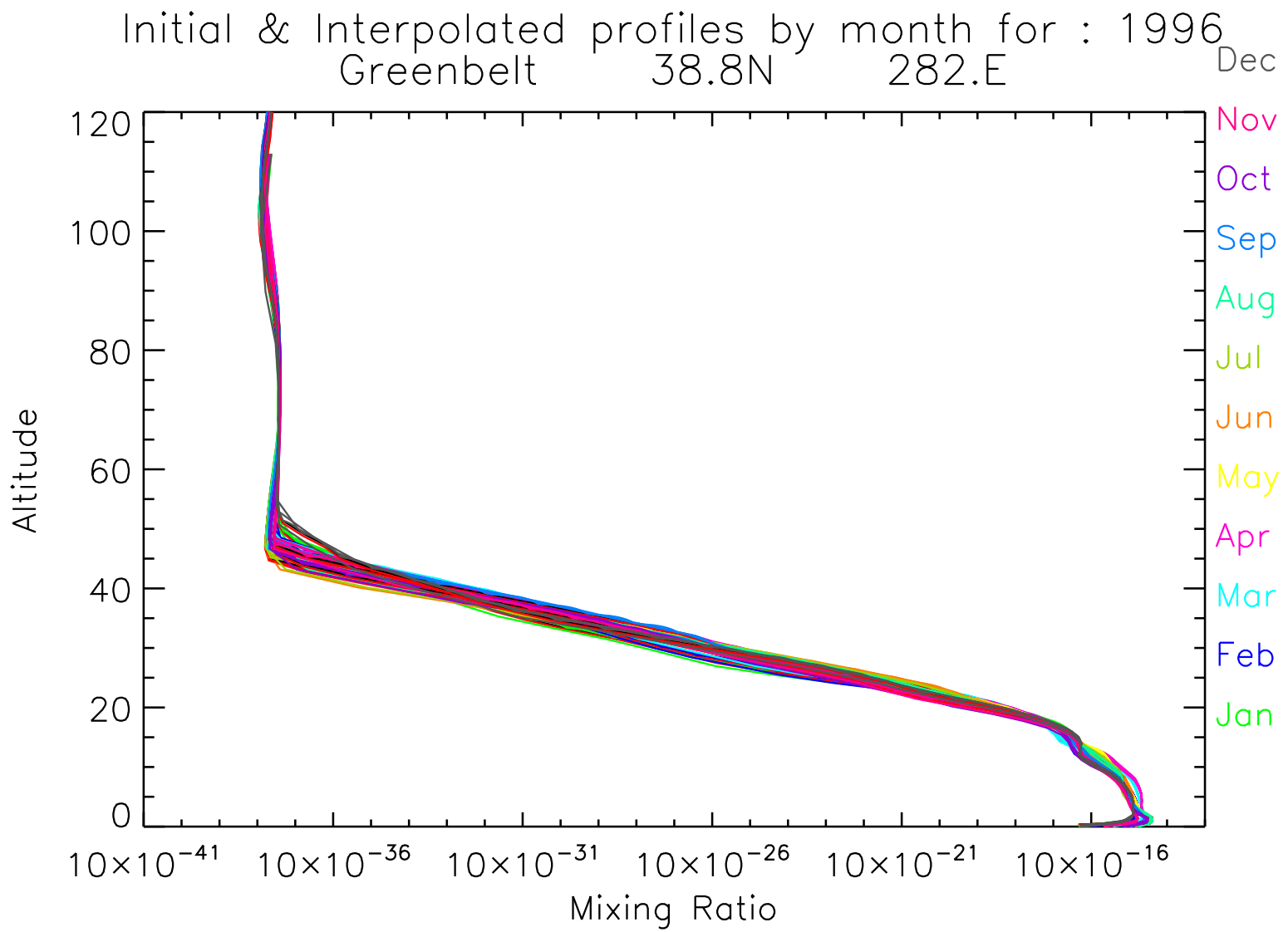
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Greenbelt 38.8N 282.E
Dec
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Feb
Jan
Altitude
120
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10×10^-41
10×10^-36
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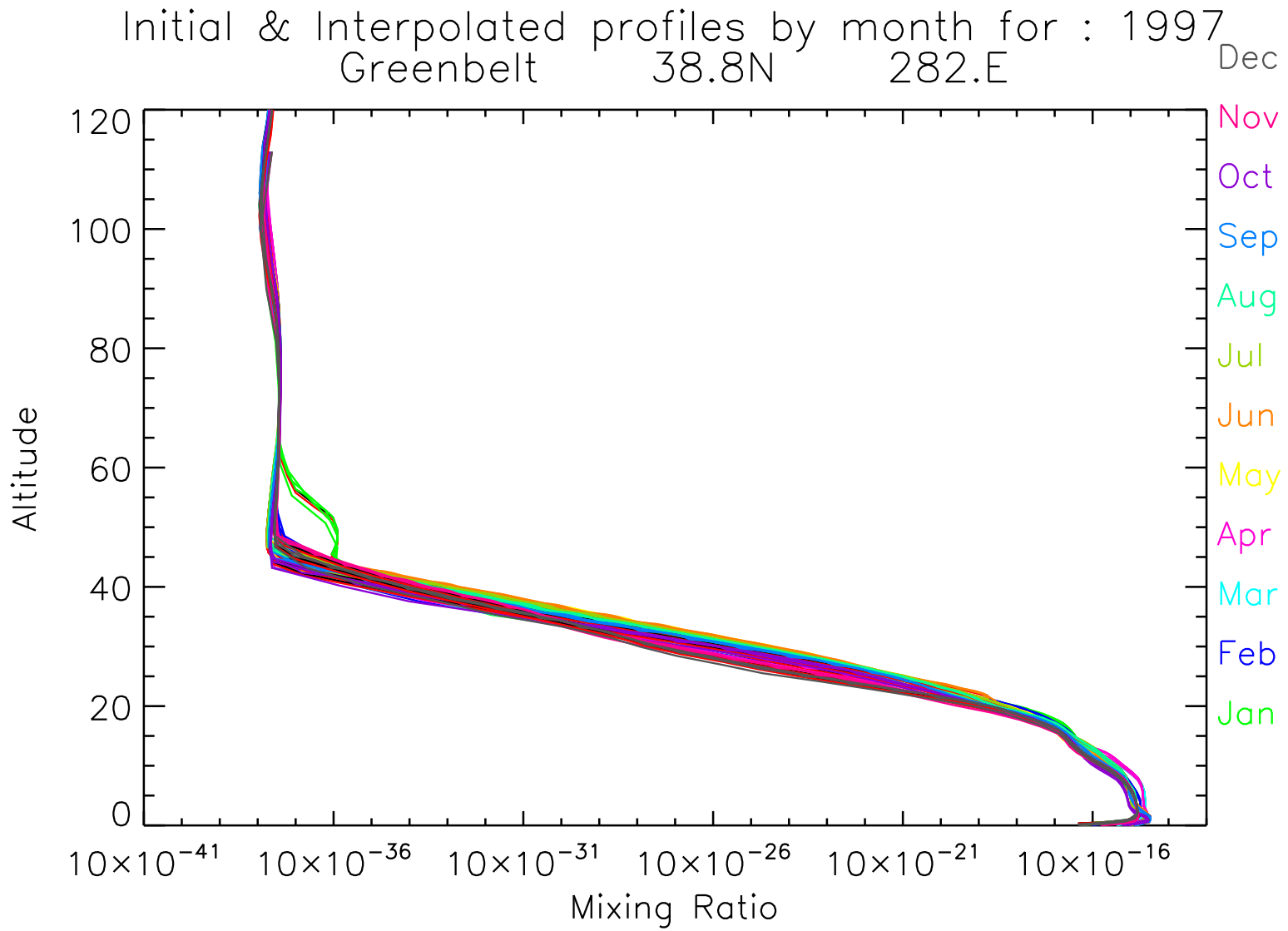
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Greenbelt 38.8N 282.E
Dec
Nov
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May
Apr
Mar
Feb
Jan
Altitude
120
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10×10^-36
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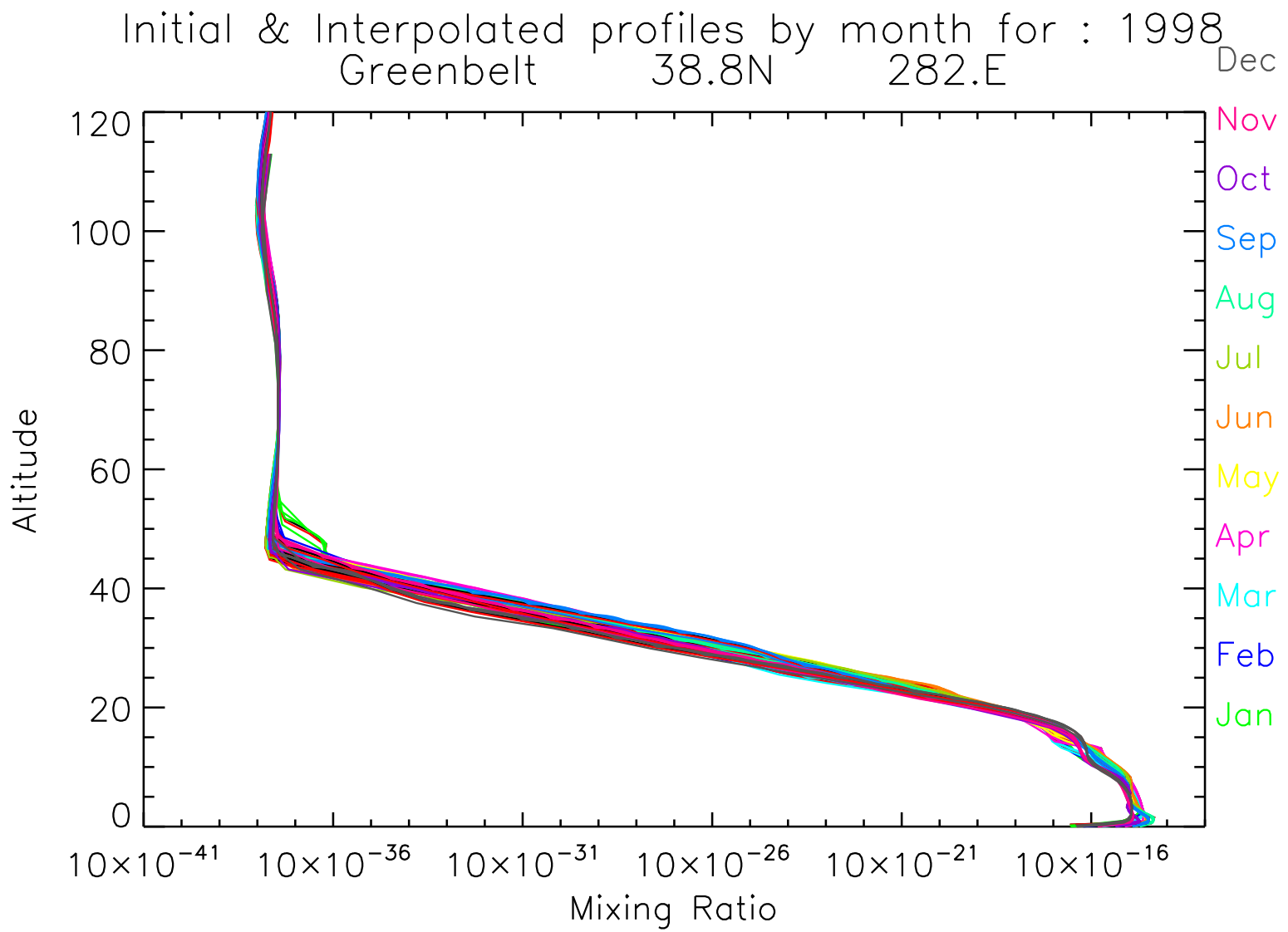
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Greenbelt 38.8N 282.E
Dec
Nov
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Aug
Jul
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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
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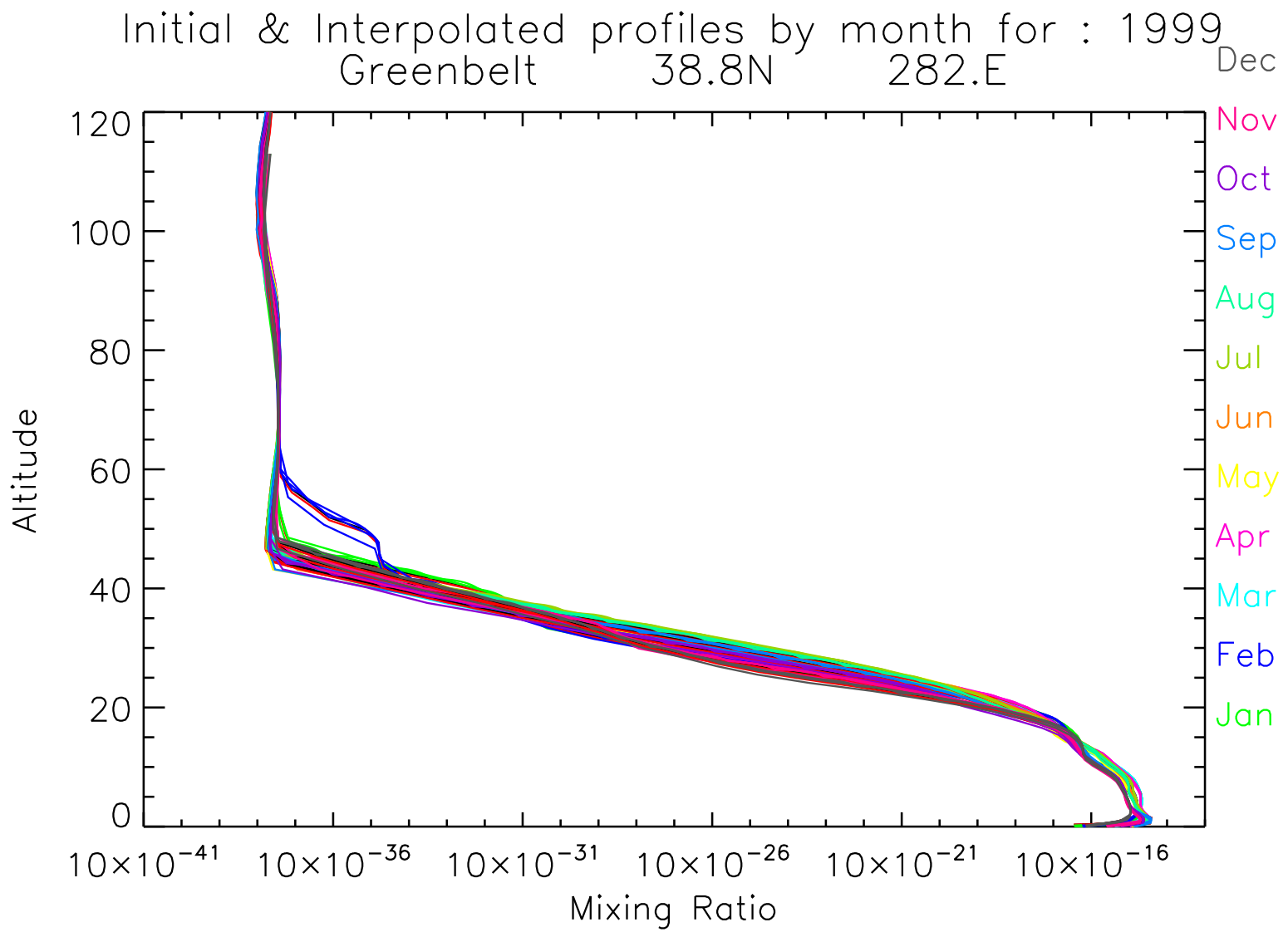
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Greenbelt 38.8N 282.E
Dec
Nov
Oct
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May
Apr
Mar
Feb
Jan
Altitude
120
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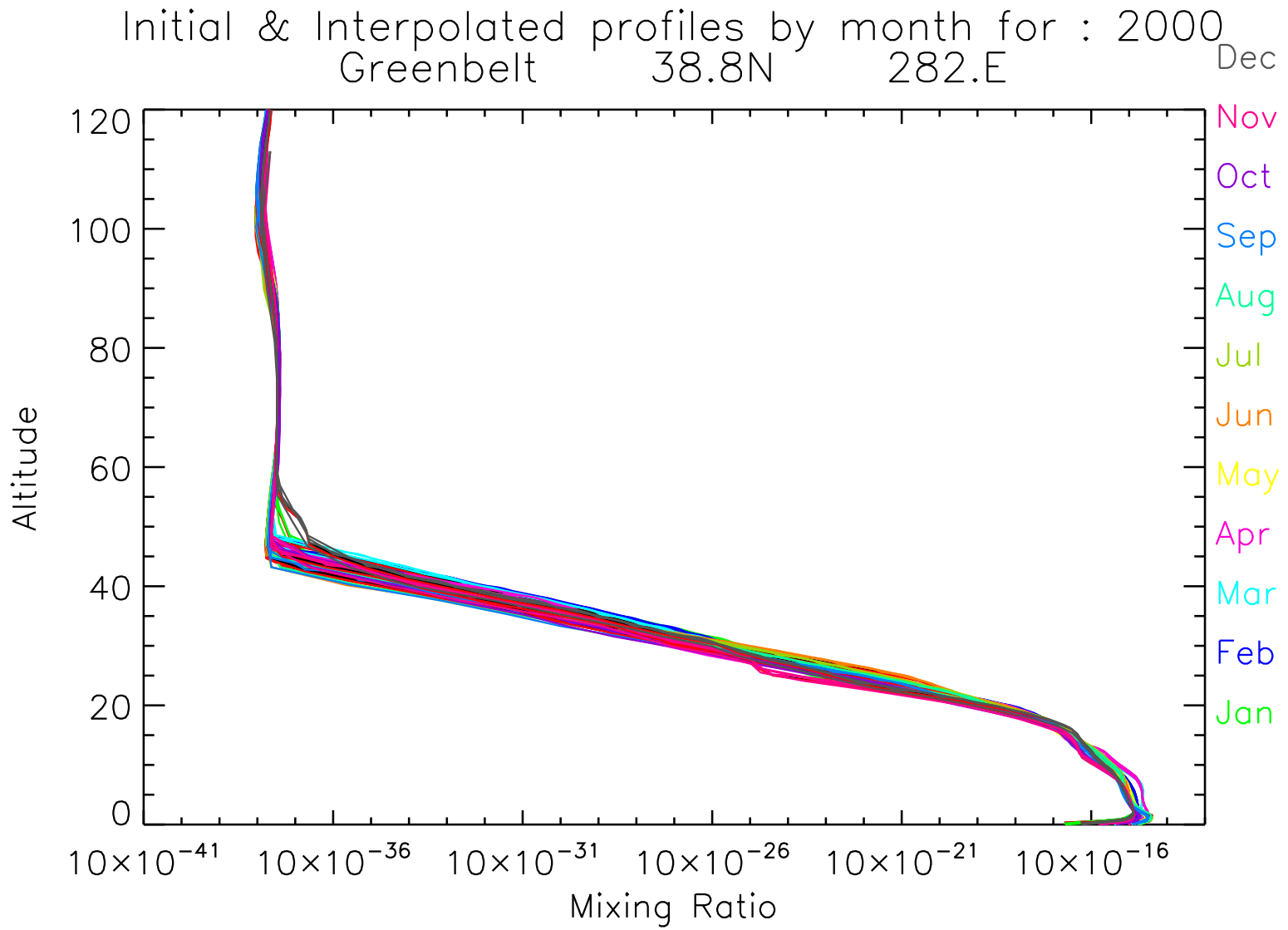
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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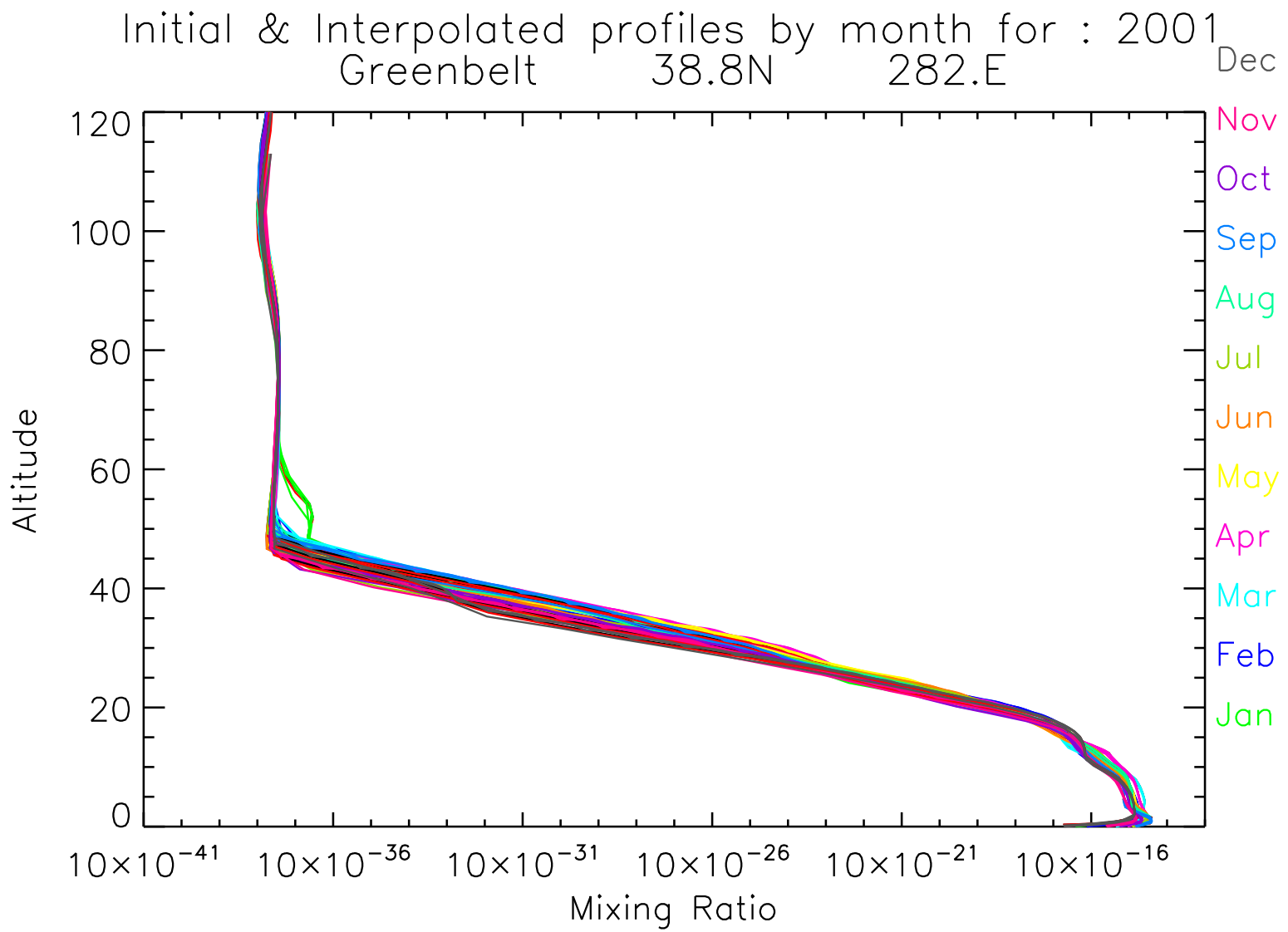
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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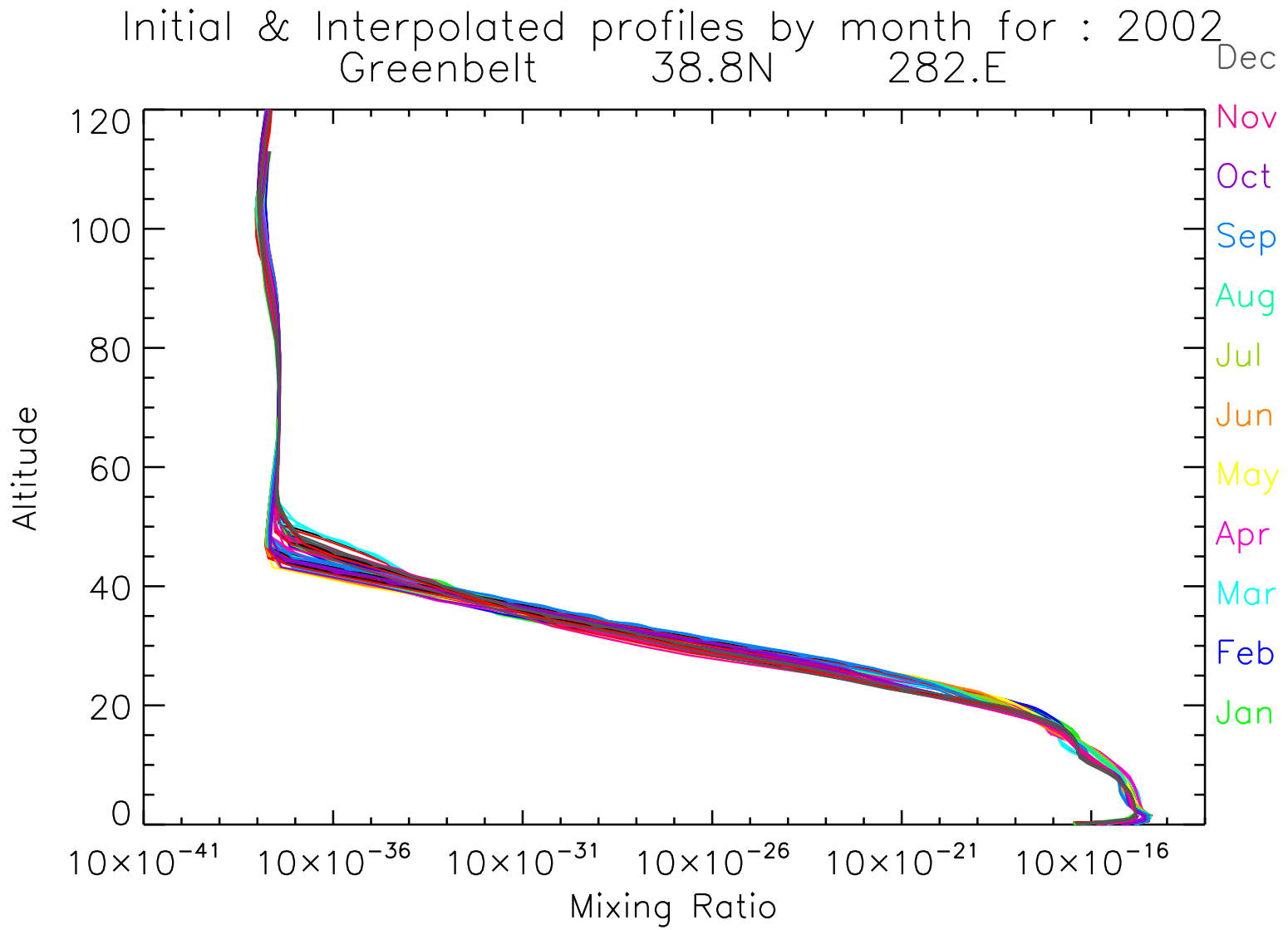
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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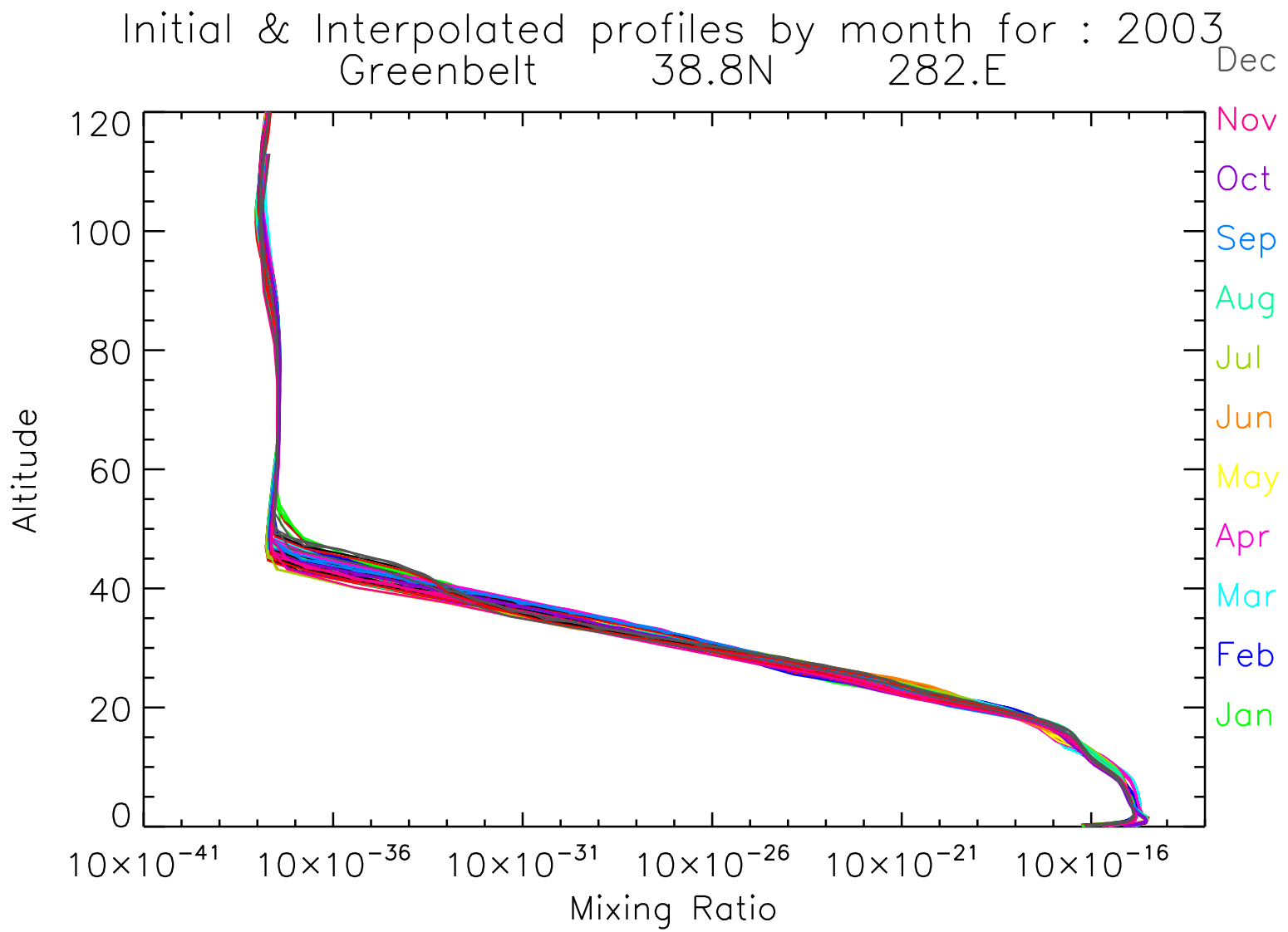
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
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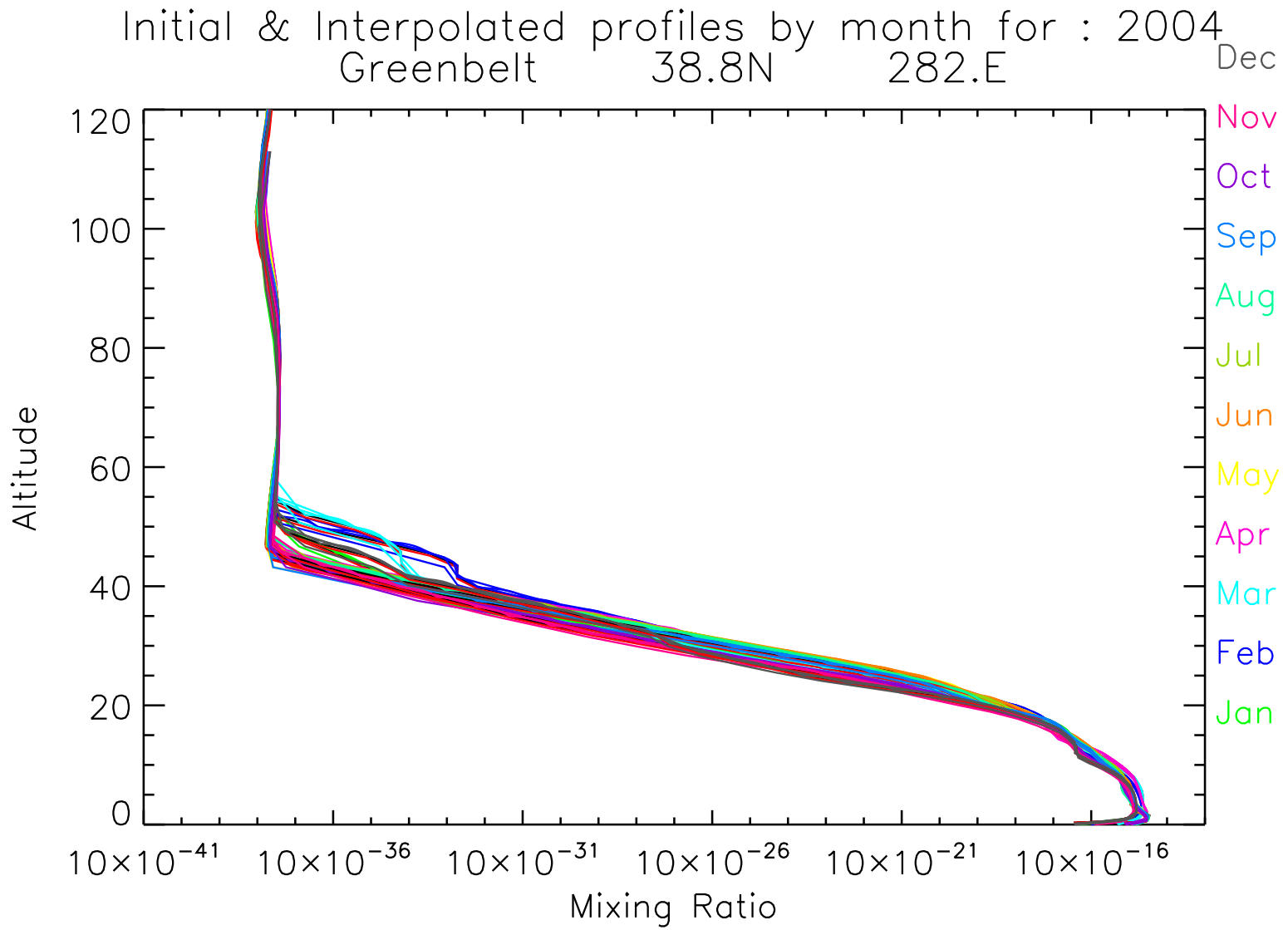
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
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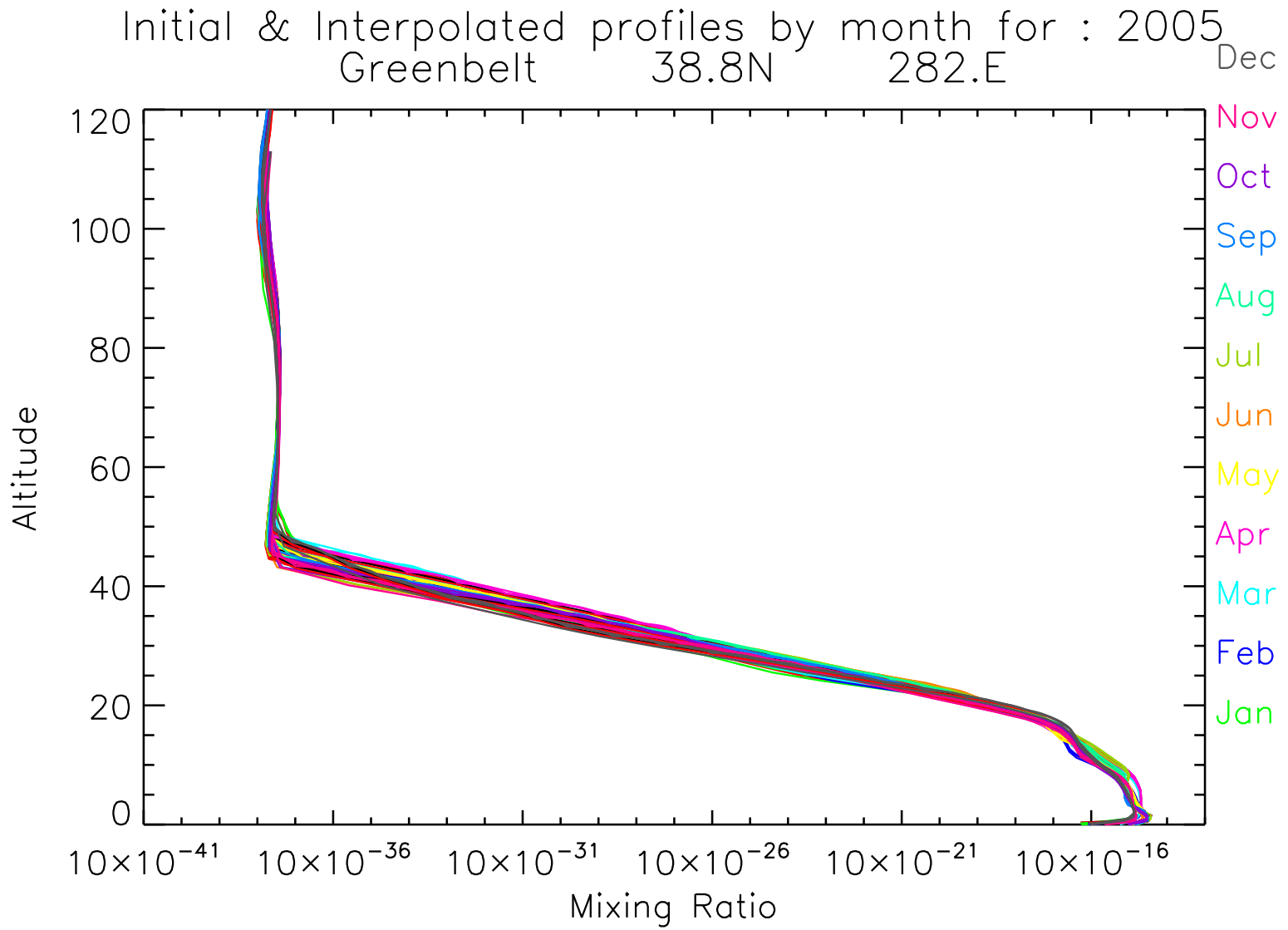
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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10×10^-41
10×10^-36
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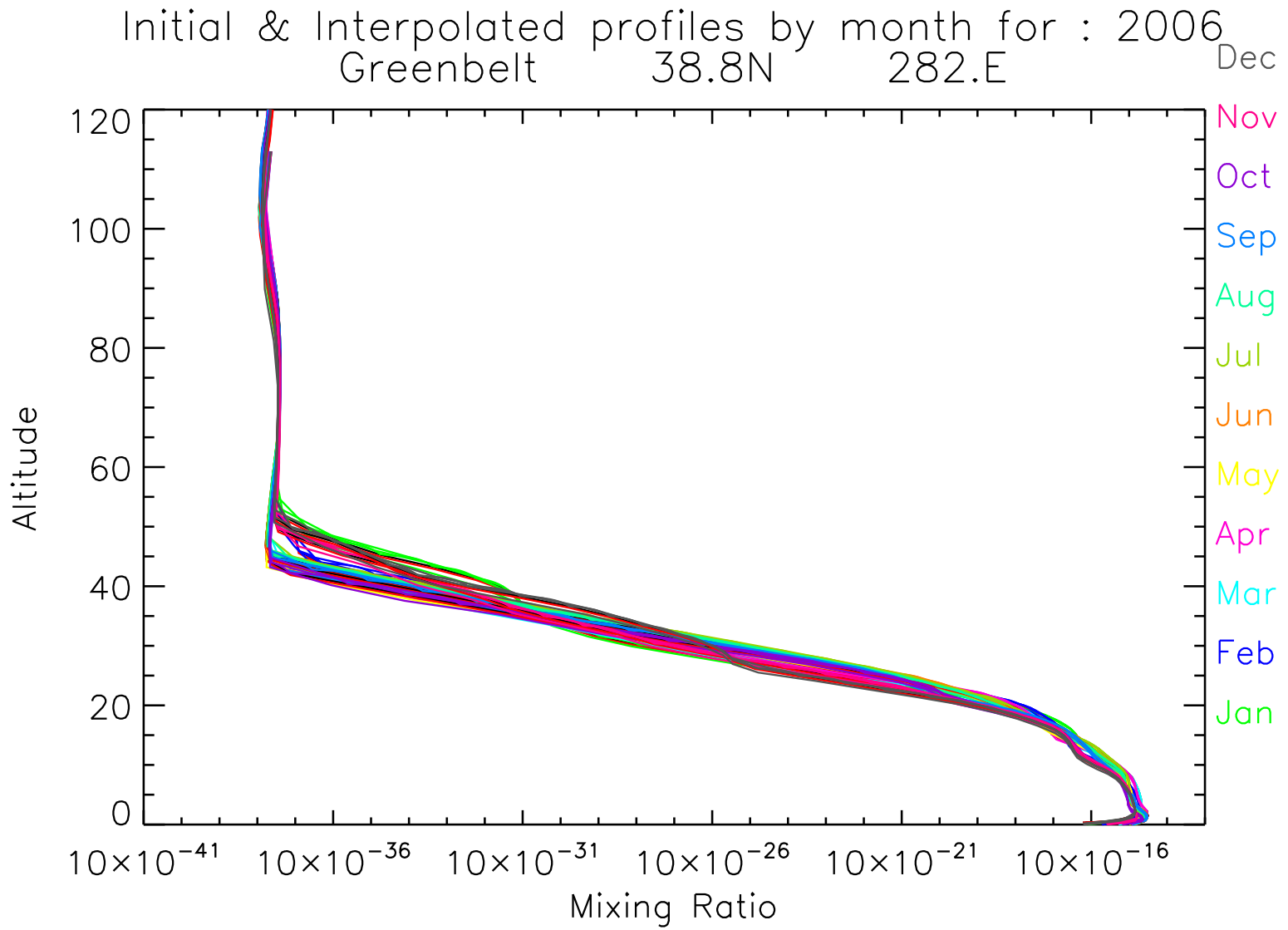
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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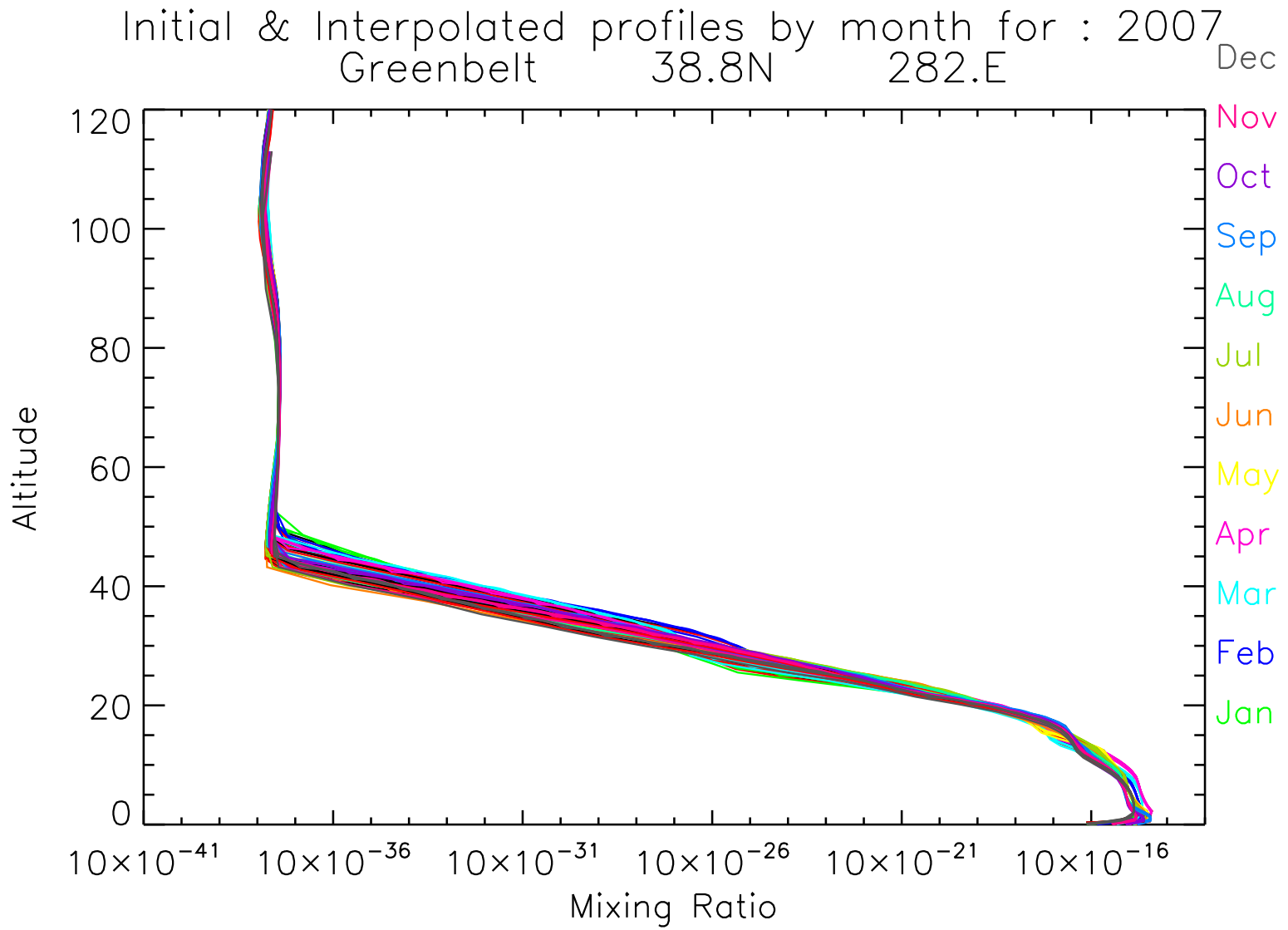
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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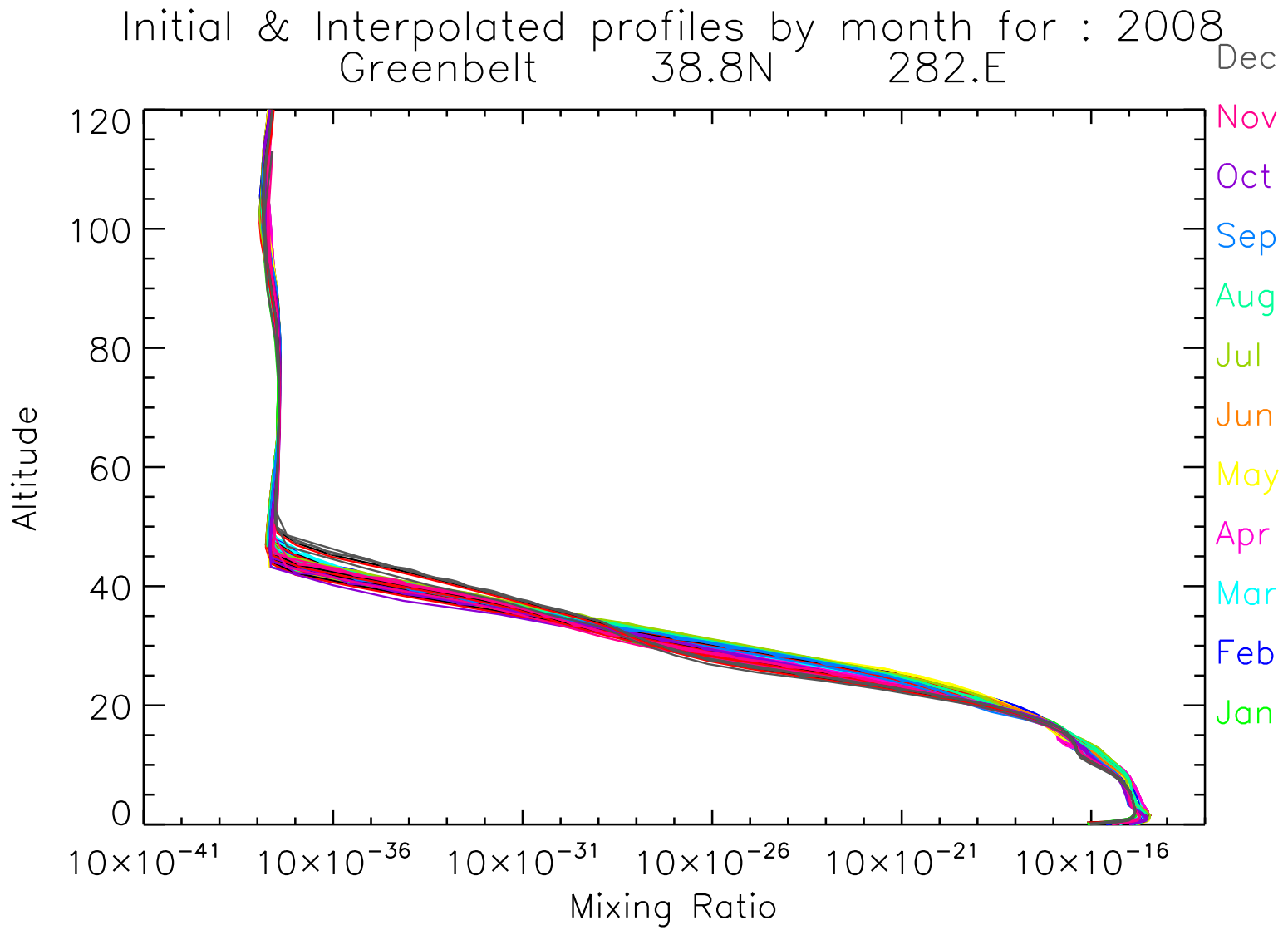
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Greenbelt 38.8N 282.E
Dec
Nov
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Feb
Jan
120
100
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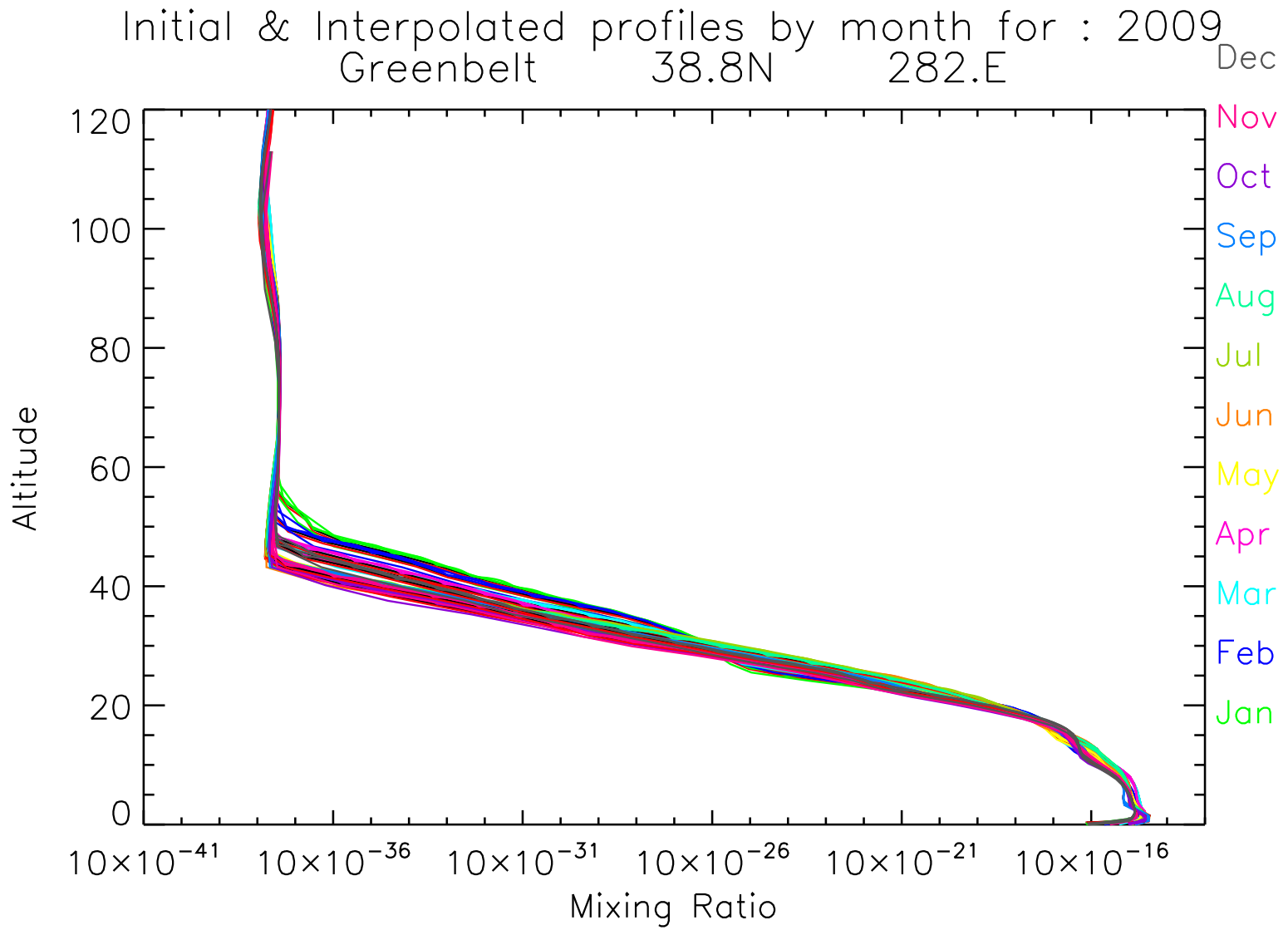
Altitude
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Greenbelt 38.8N 282.E
Dec
Nov
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Apr
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Feb
Jan
Altitude
120
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10×10^-36
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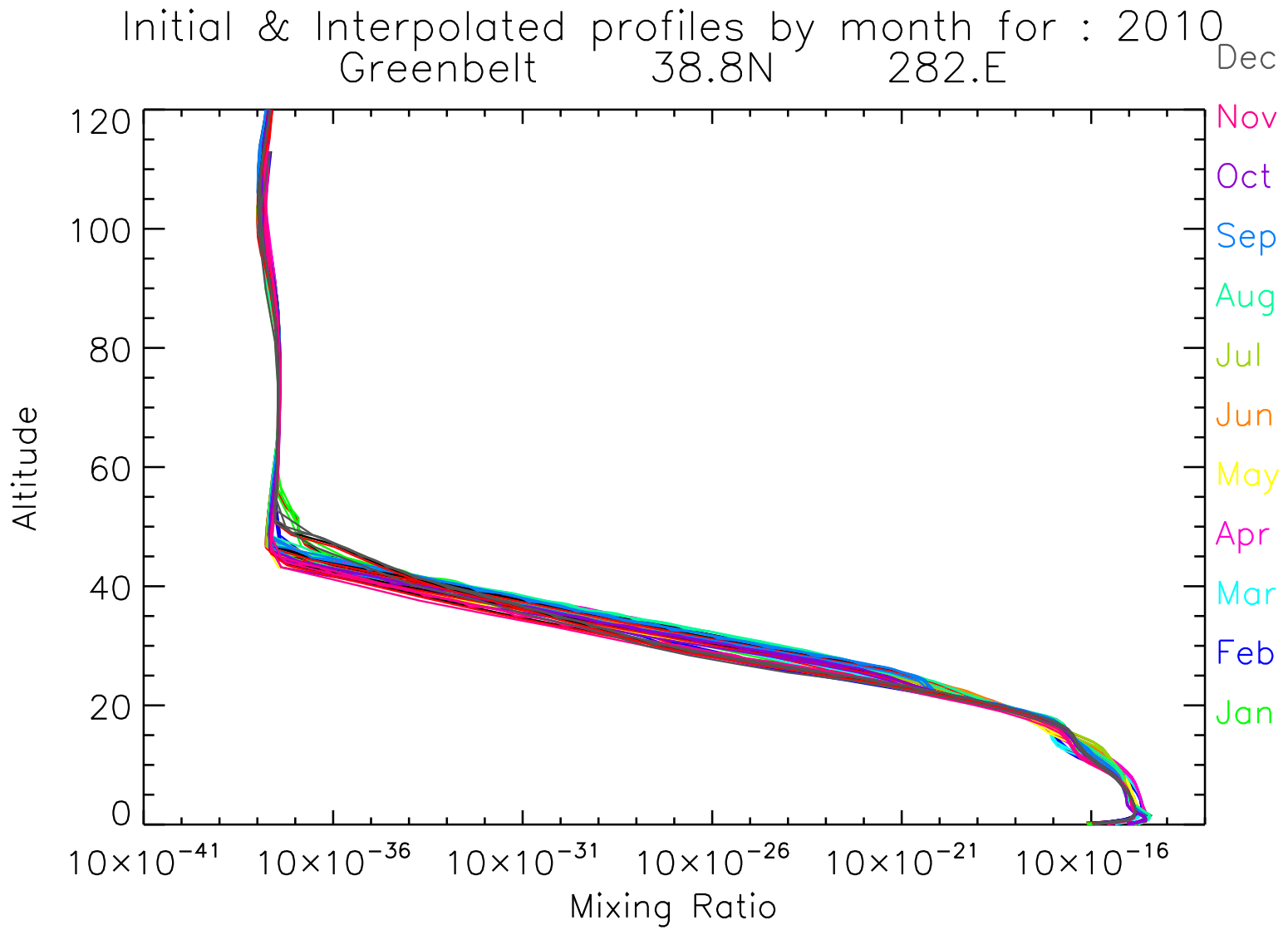
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Greenbelt 38.8N 282.E
Dec
Nov
Oct
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May
Apr
Mar
Feb
Jan
Altitude
120
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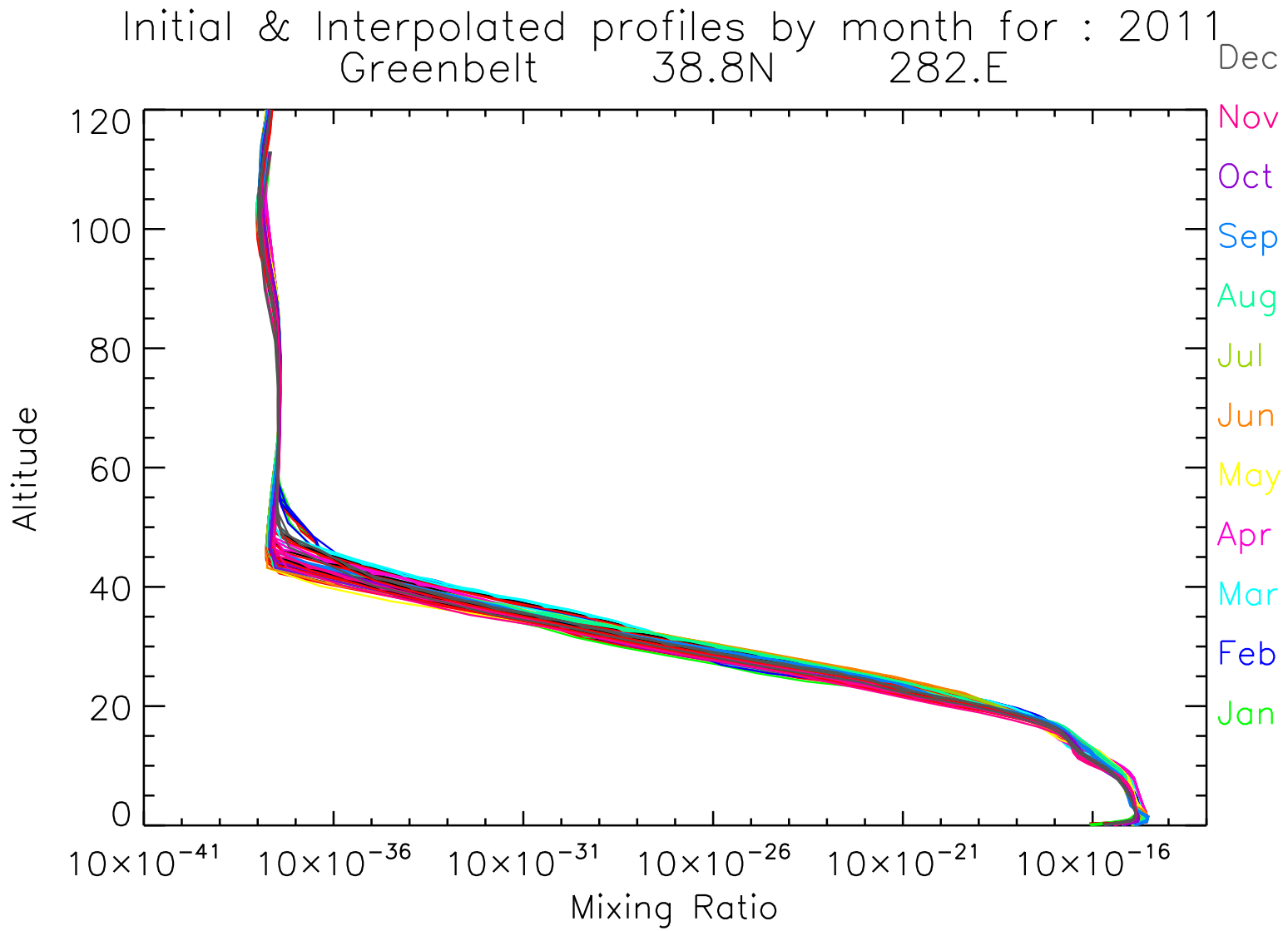
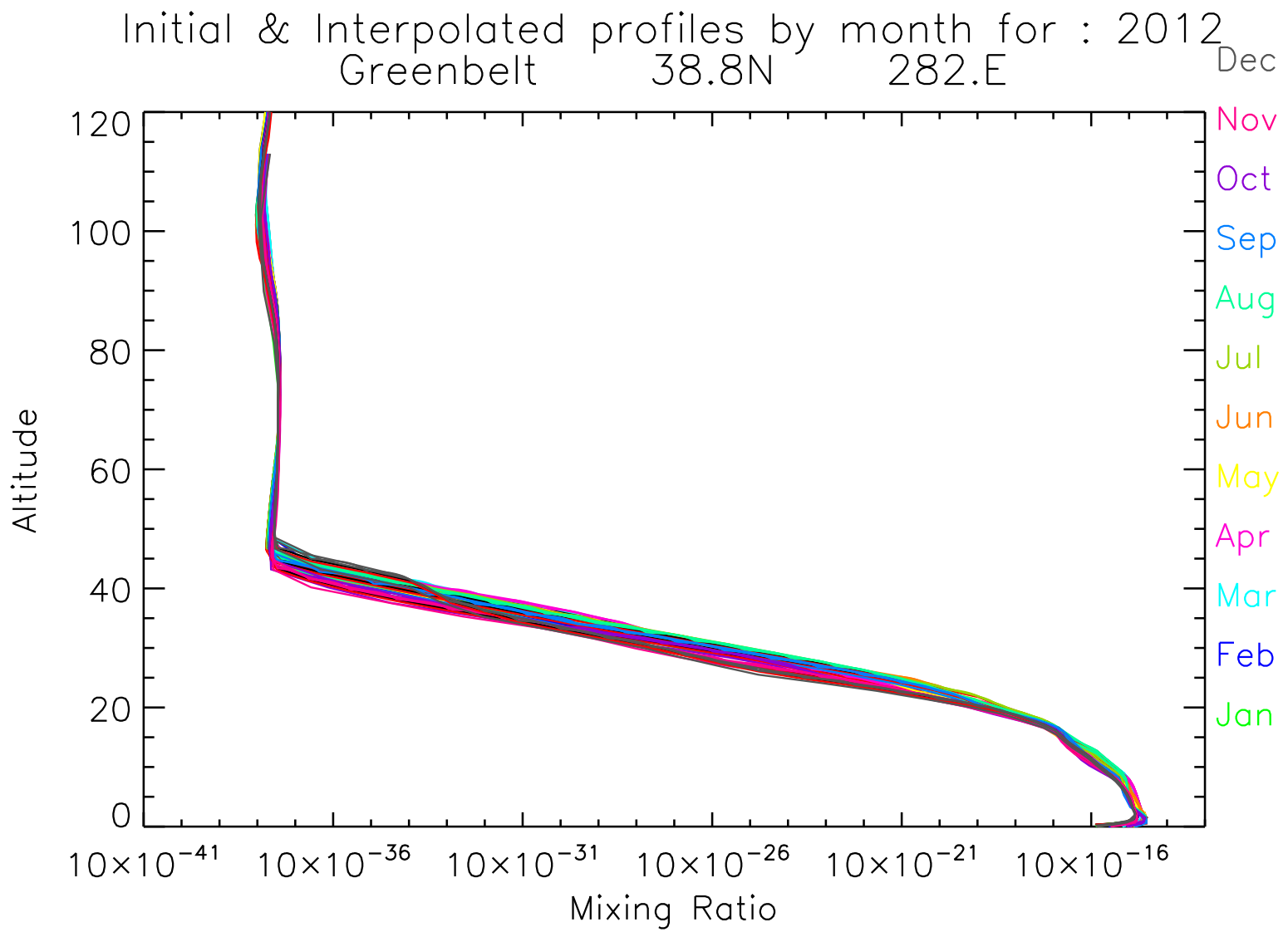
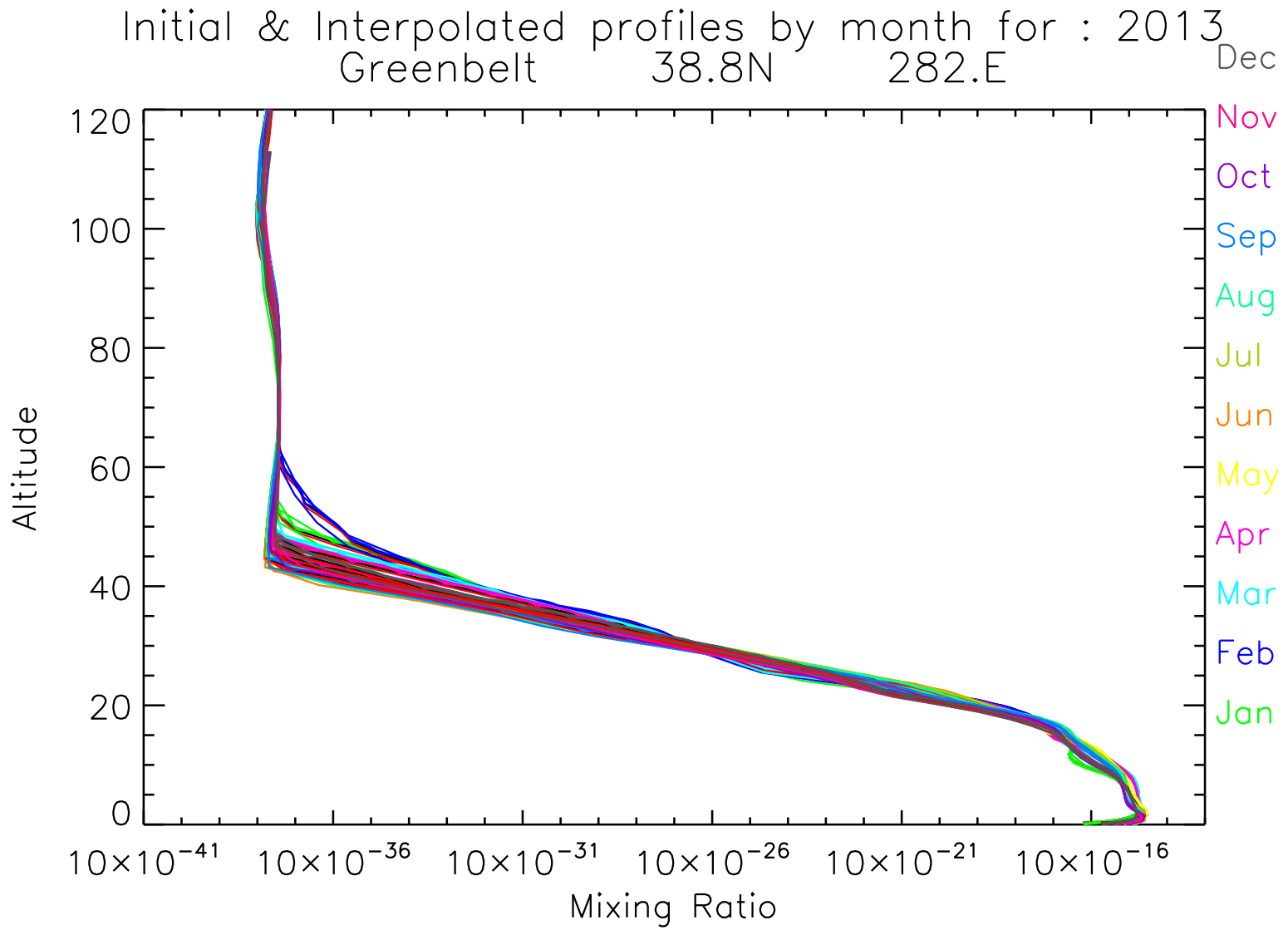
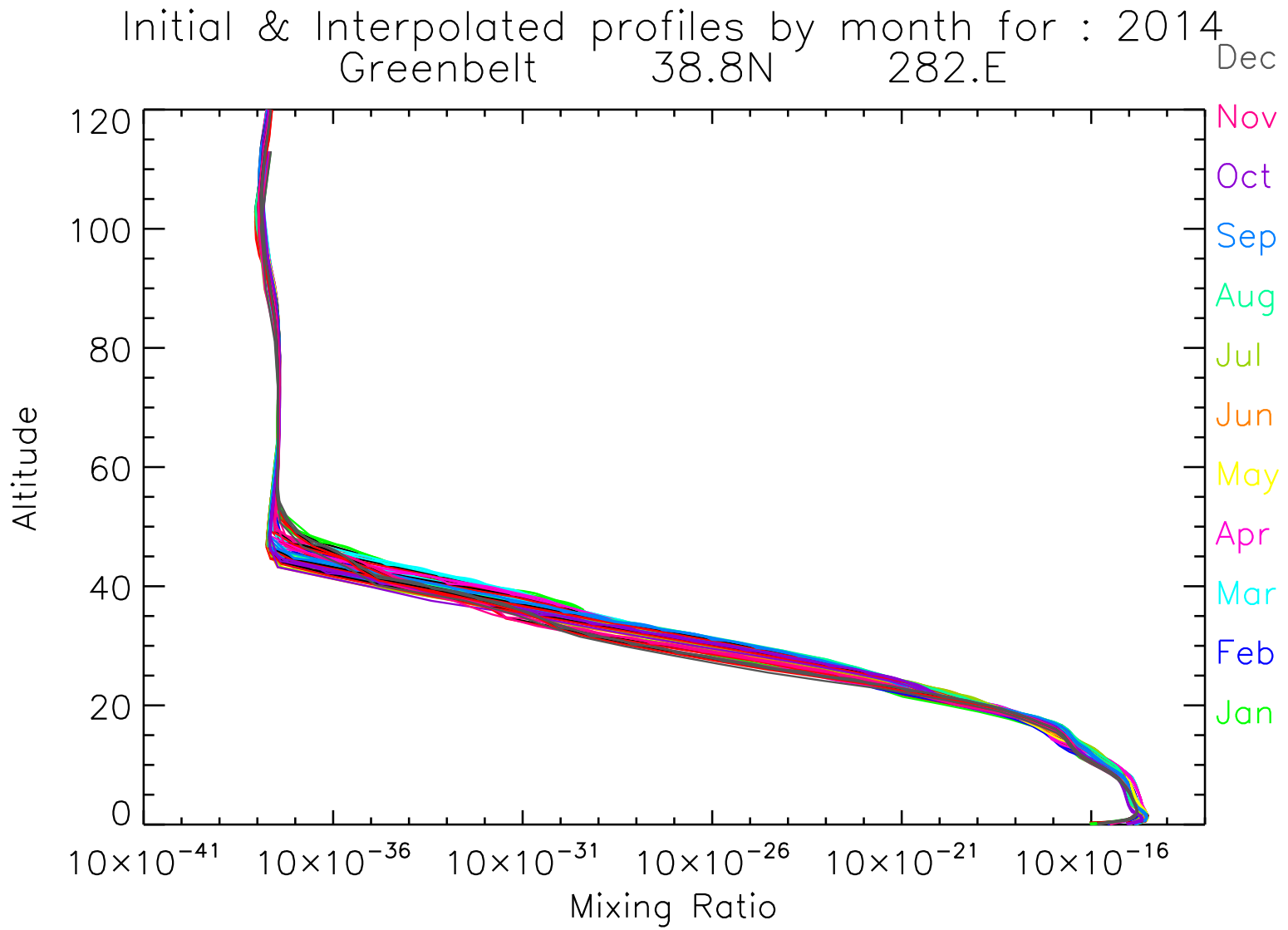
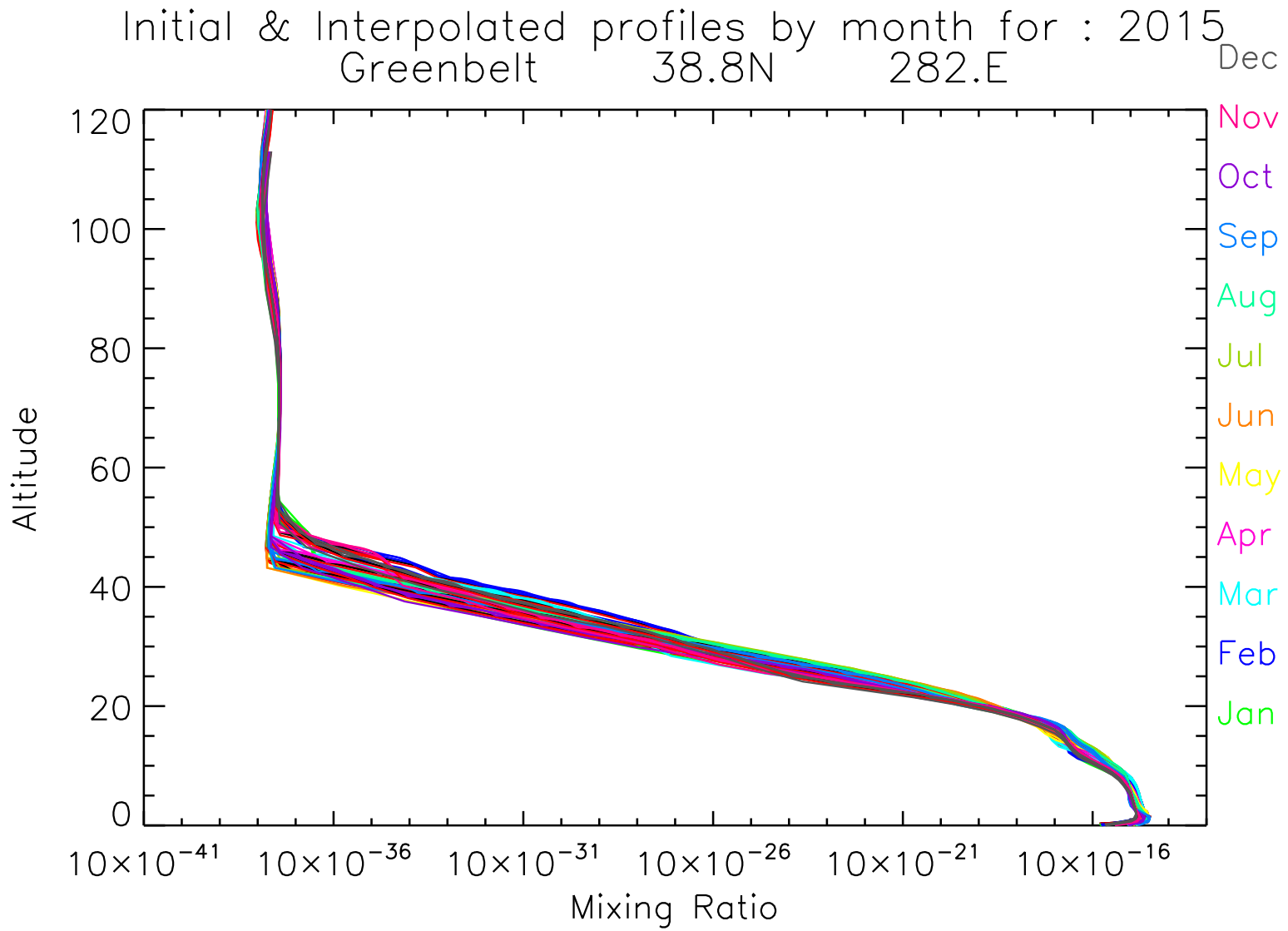
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

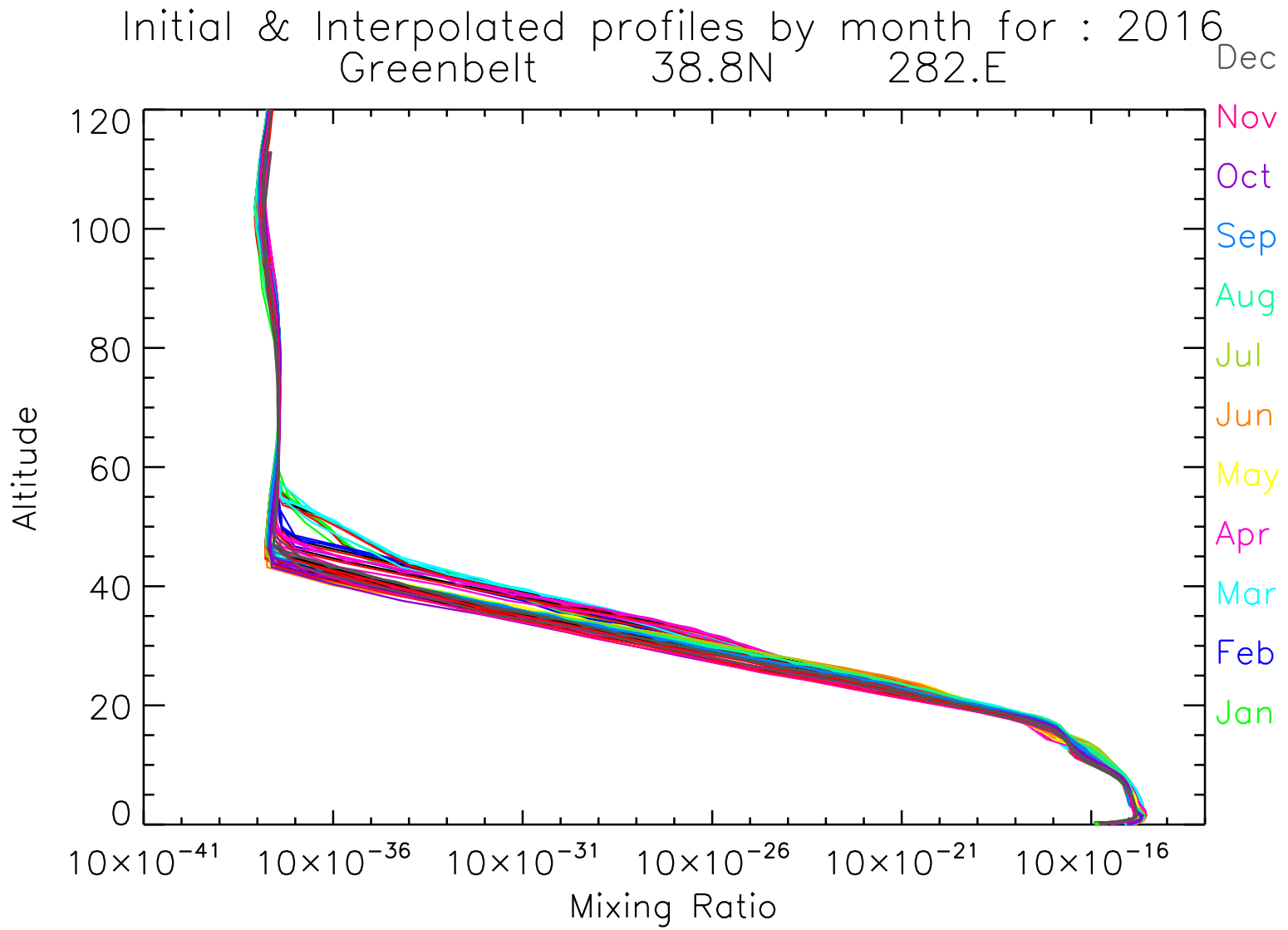

Initial & Interpolated profiles by month for : 2011
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

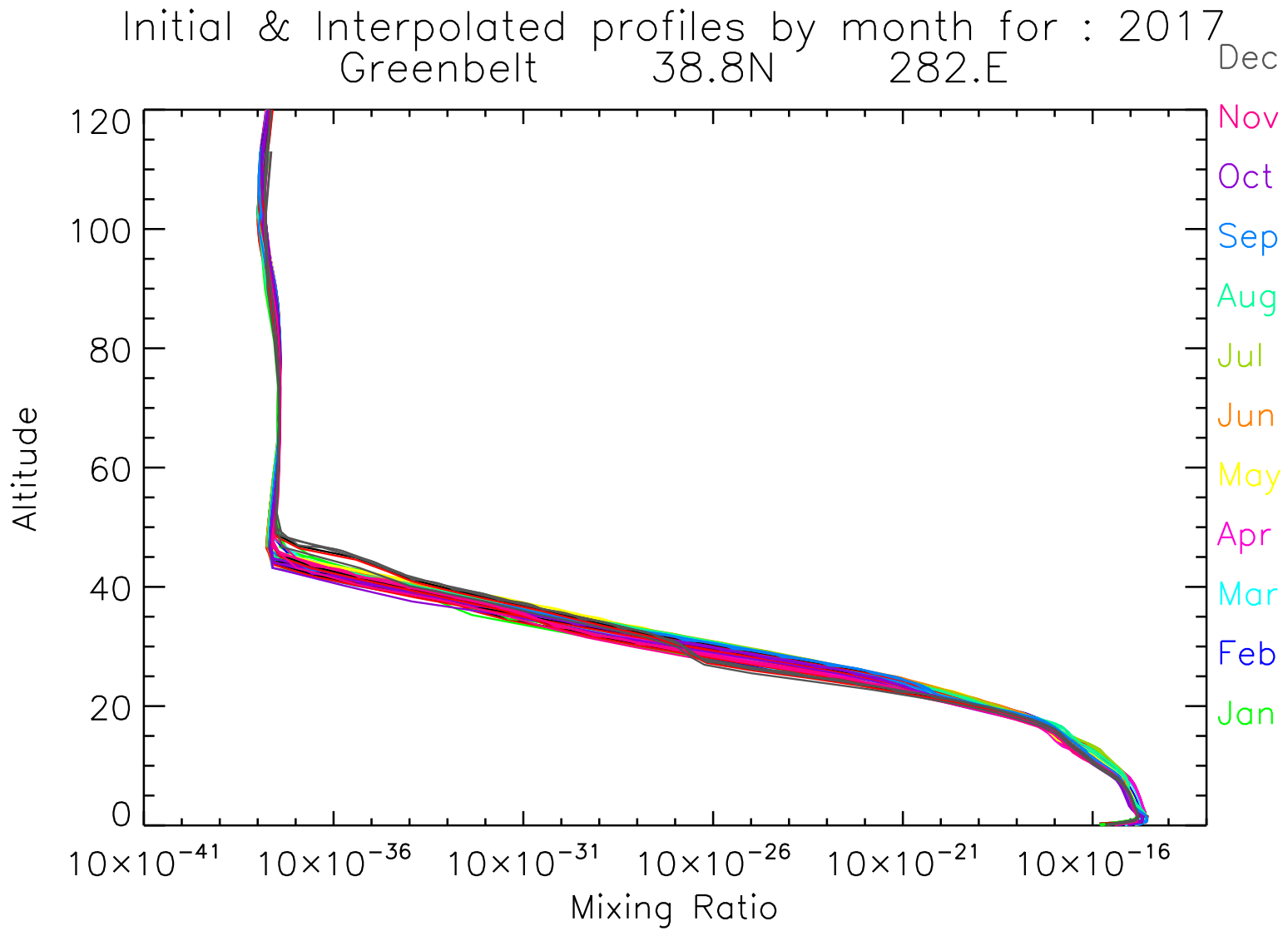

Initial & Interpolated profiles by month for : 2012
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

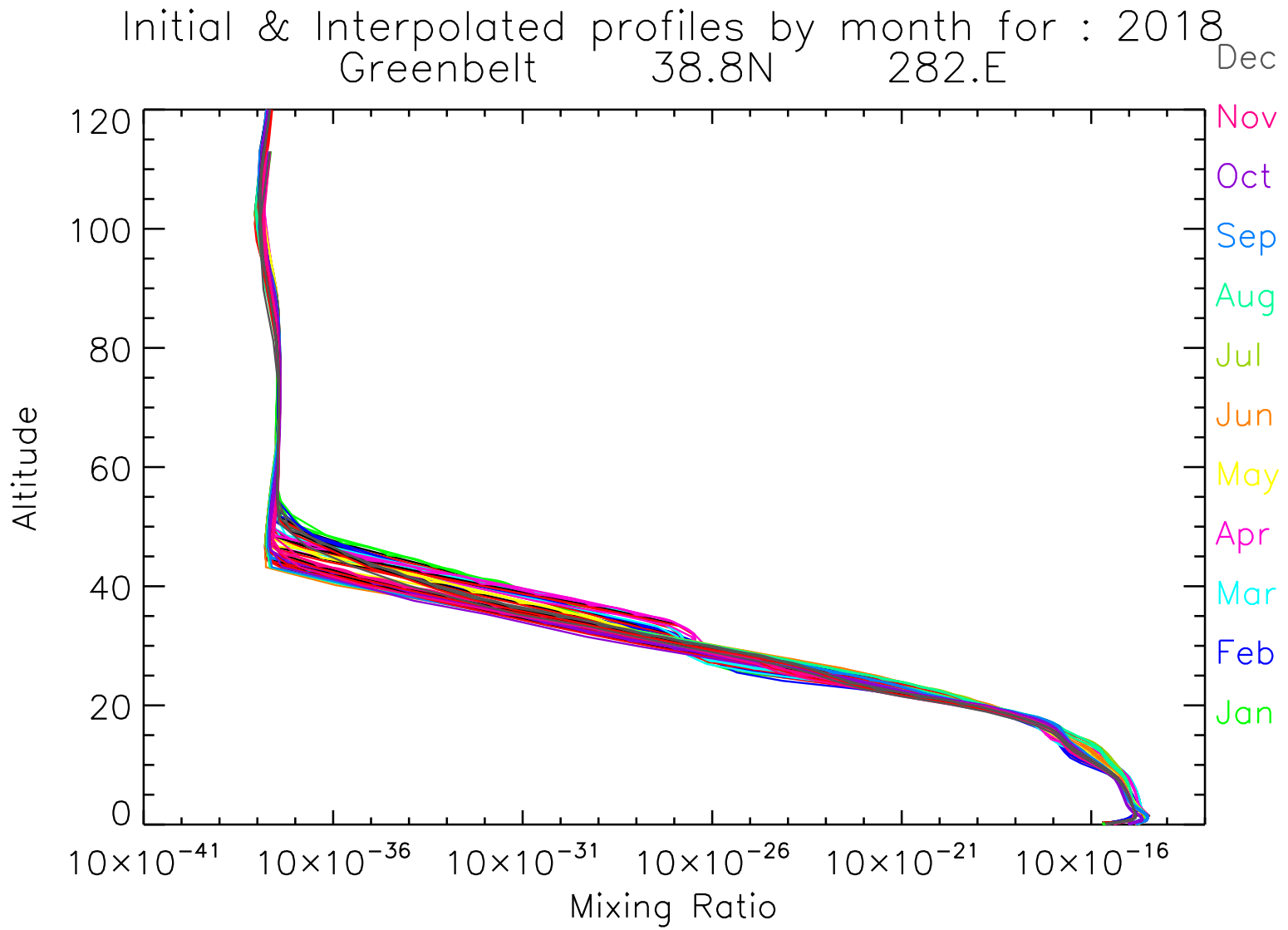

Initial & Interpolated profiles by month for : 2013
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

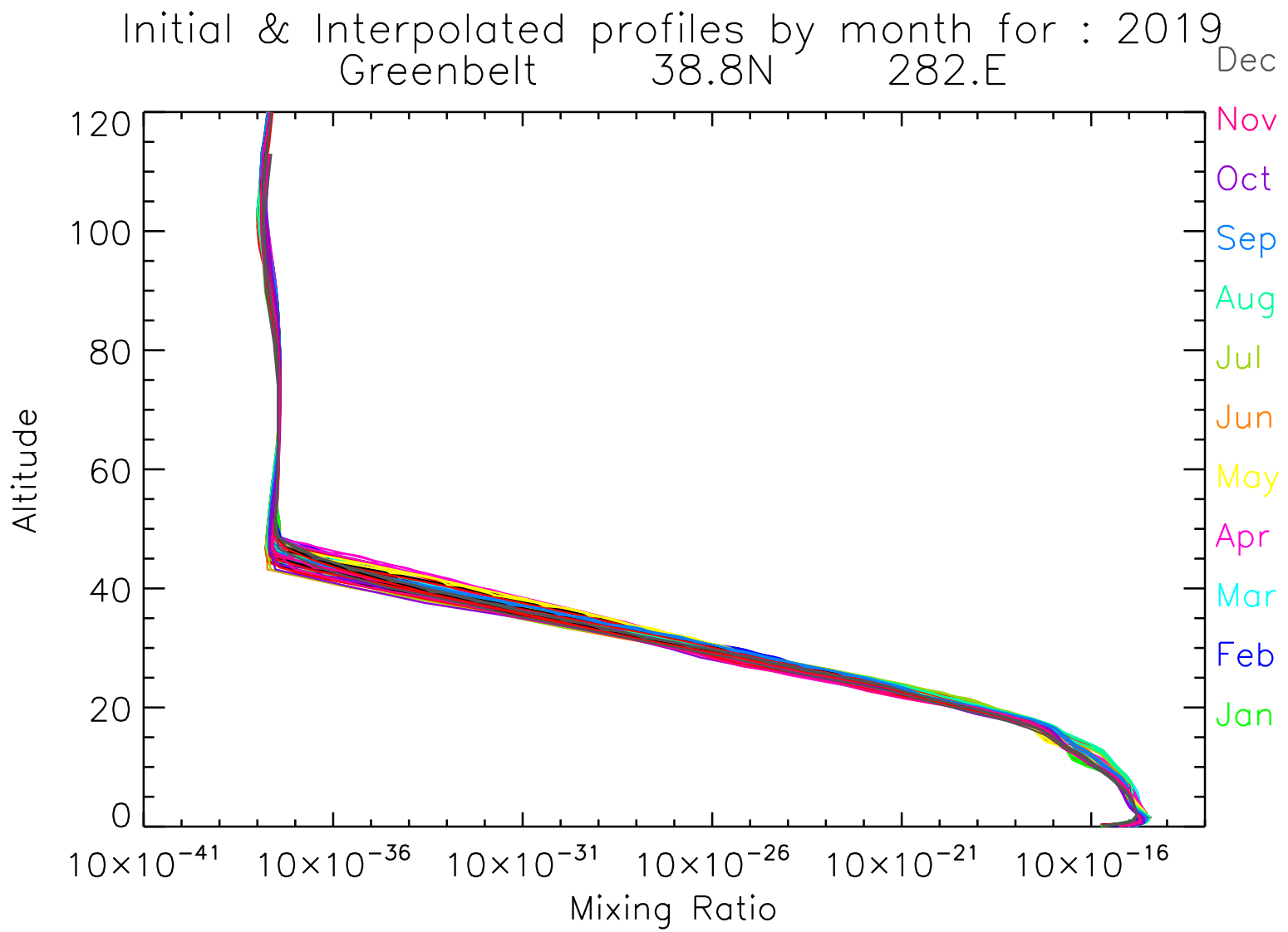

Initial & Interpolated profiles by month for : 2014
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

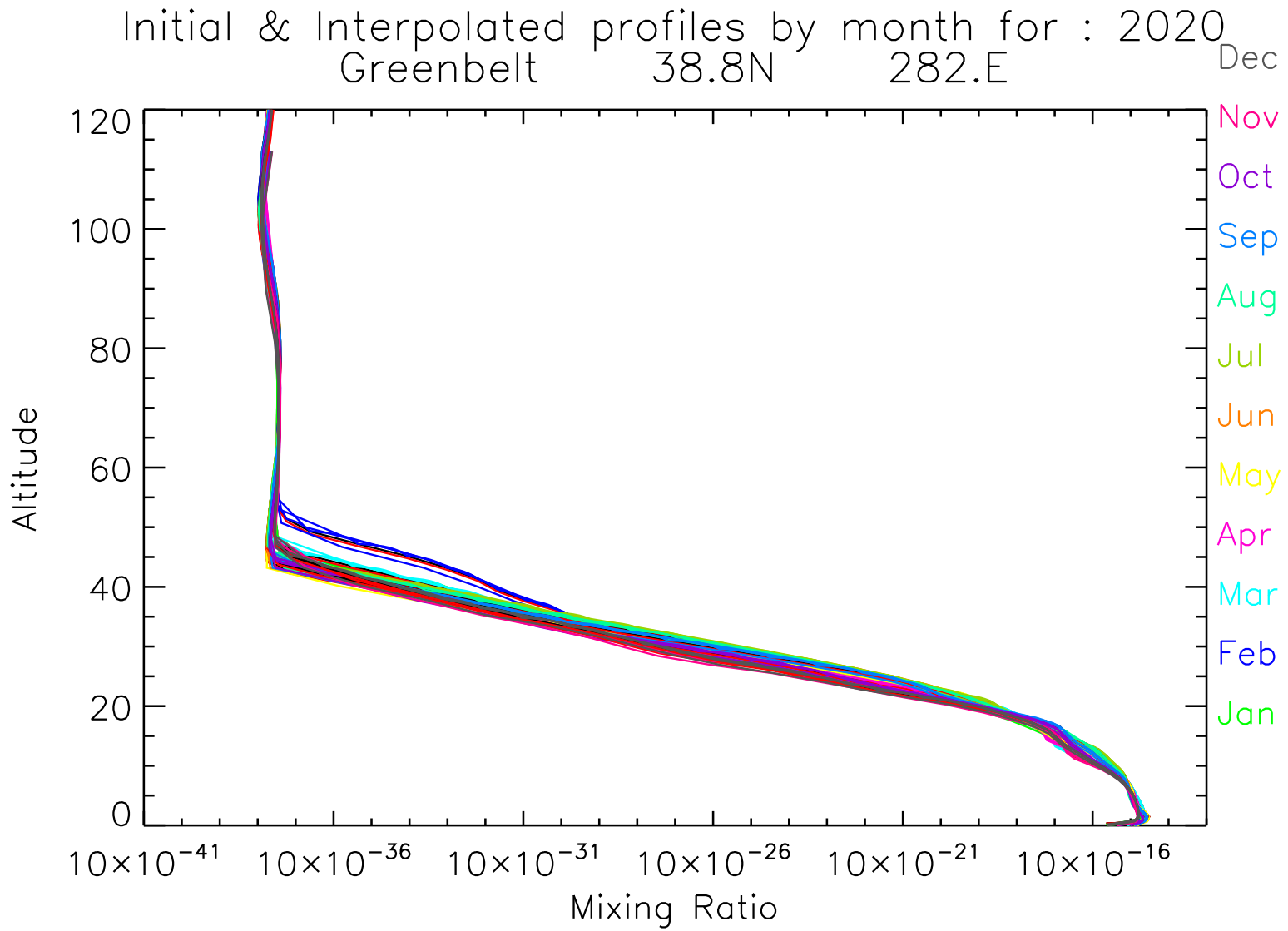

Initial & Interpolated profiles by month for : 2015
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

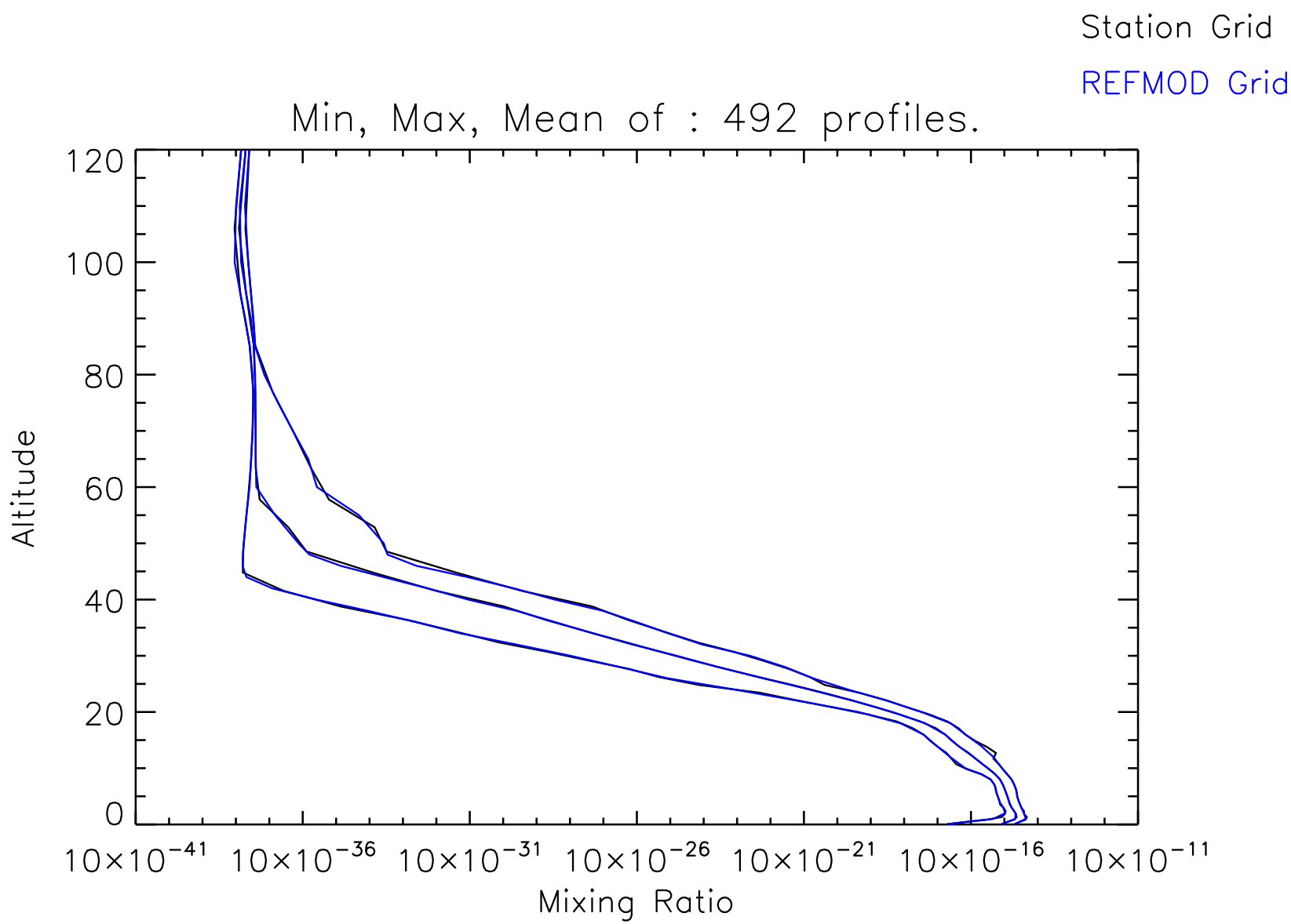

Initial & Interpolated profiles by month for : 2016
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

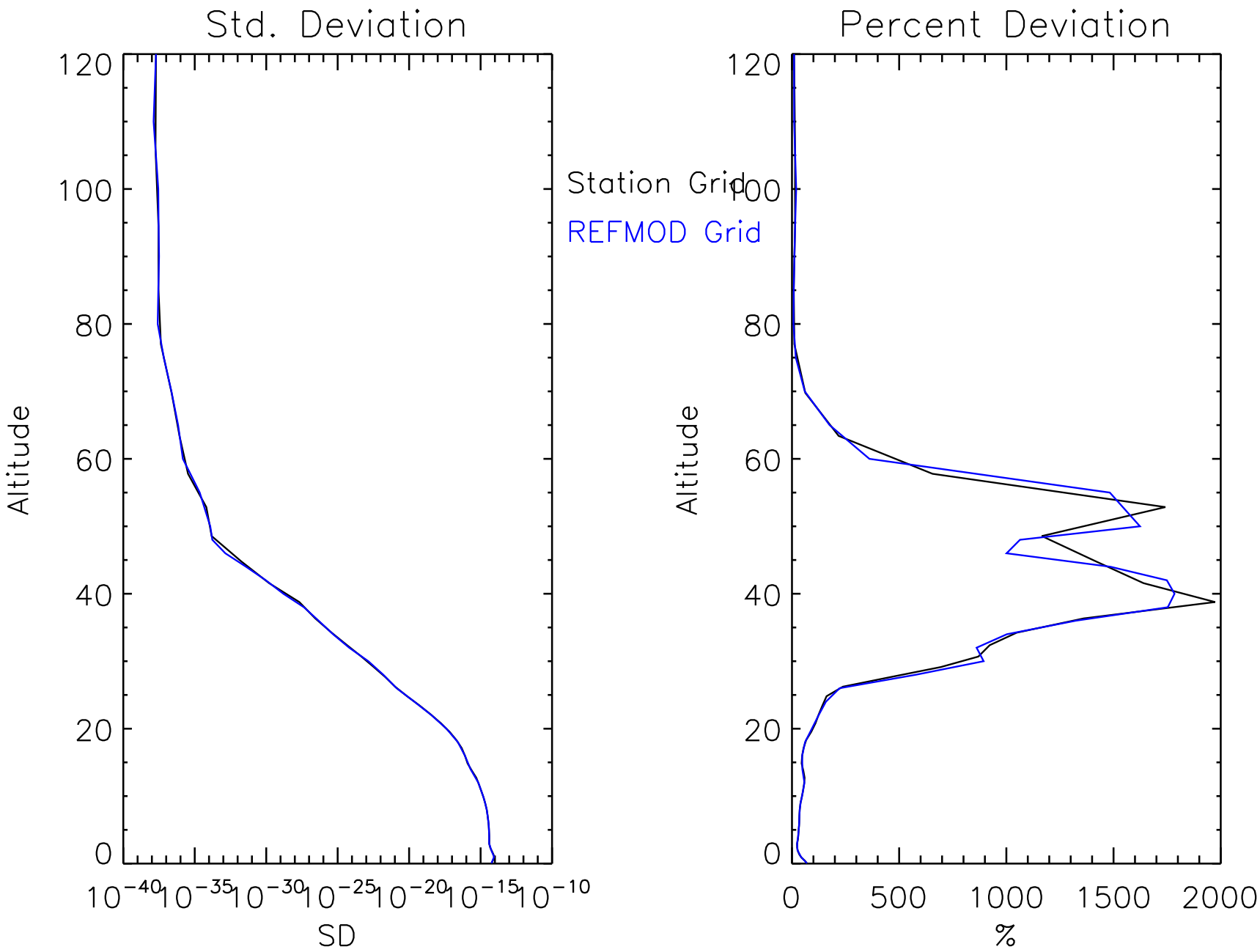

Initial & Interpolated profiles by month for : 2017
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

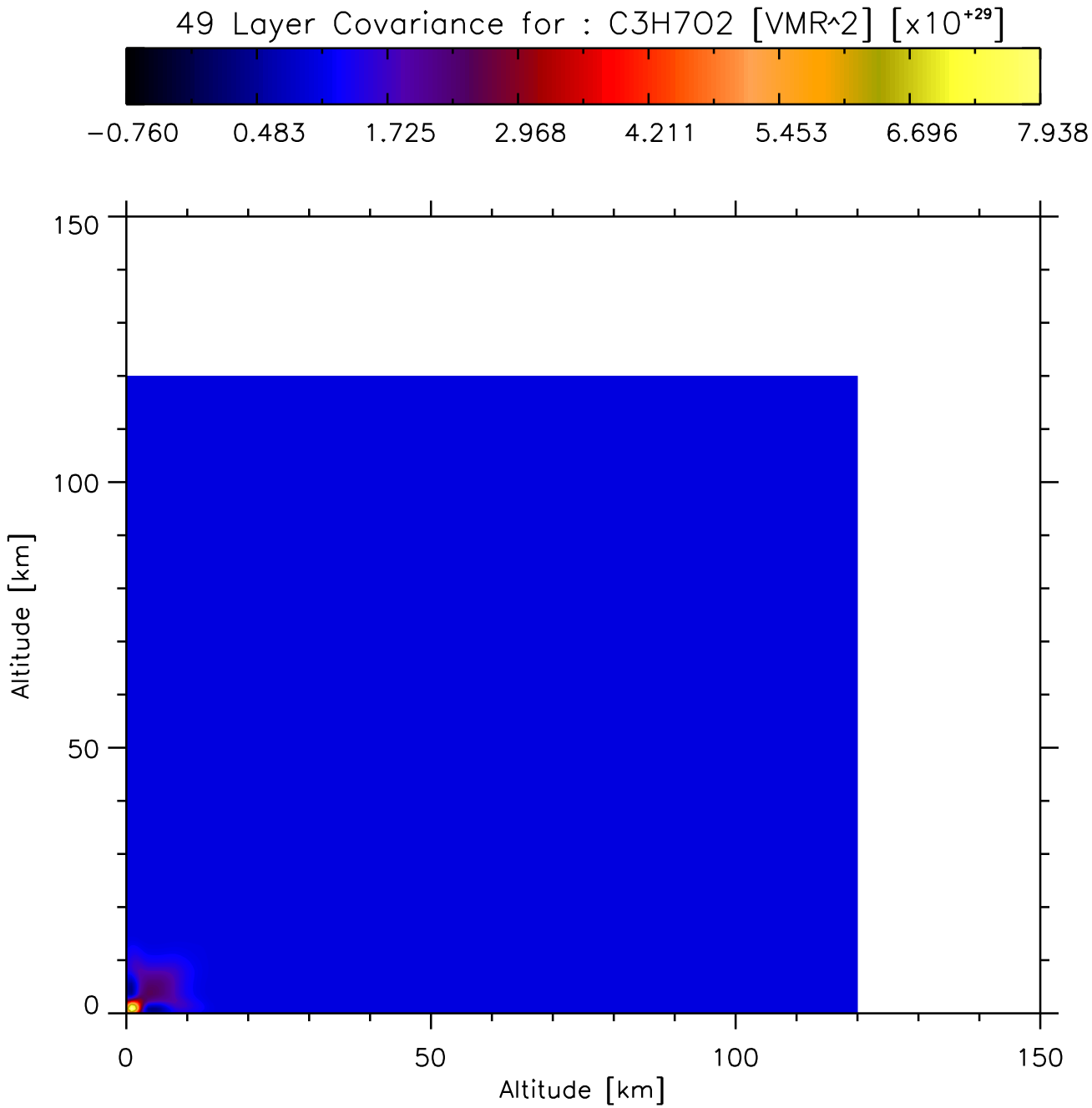

Initial & Interpolated profiles by month for : 2018
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

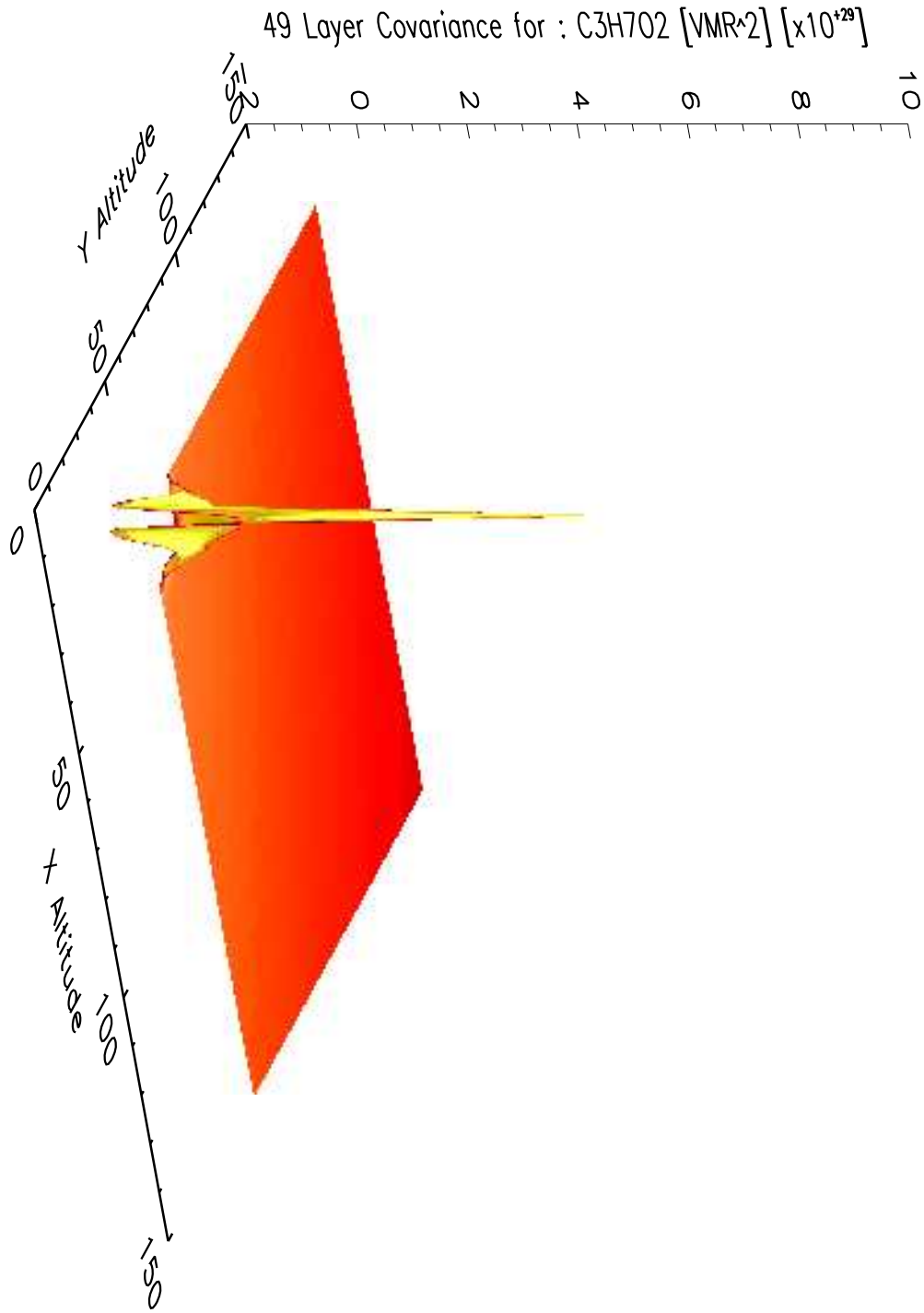

Initial & Interpolated profiles by month for : 2019
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

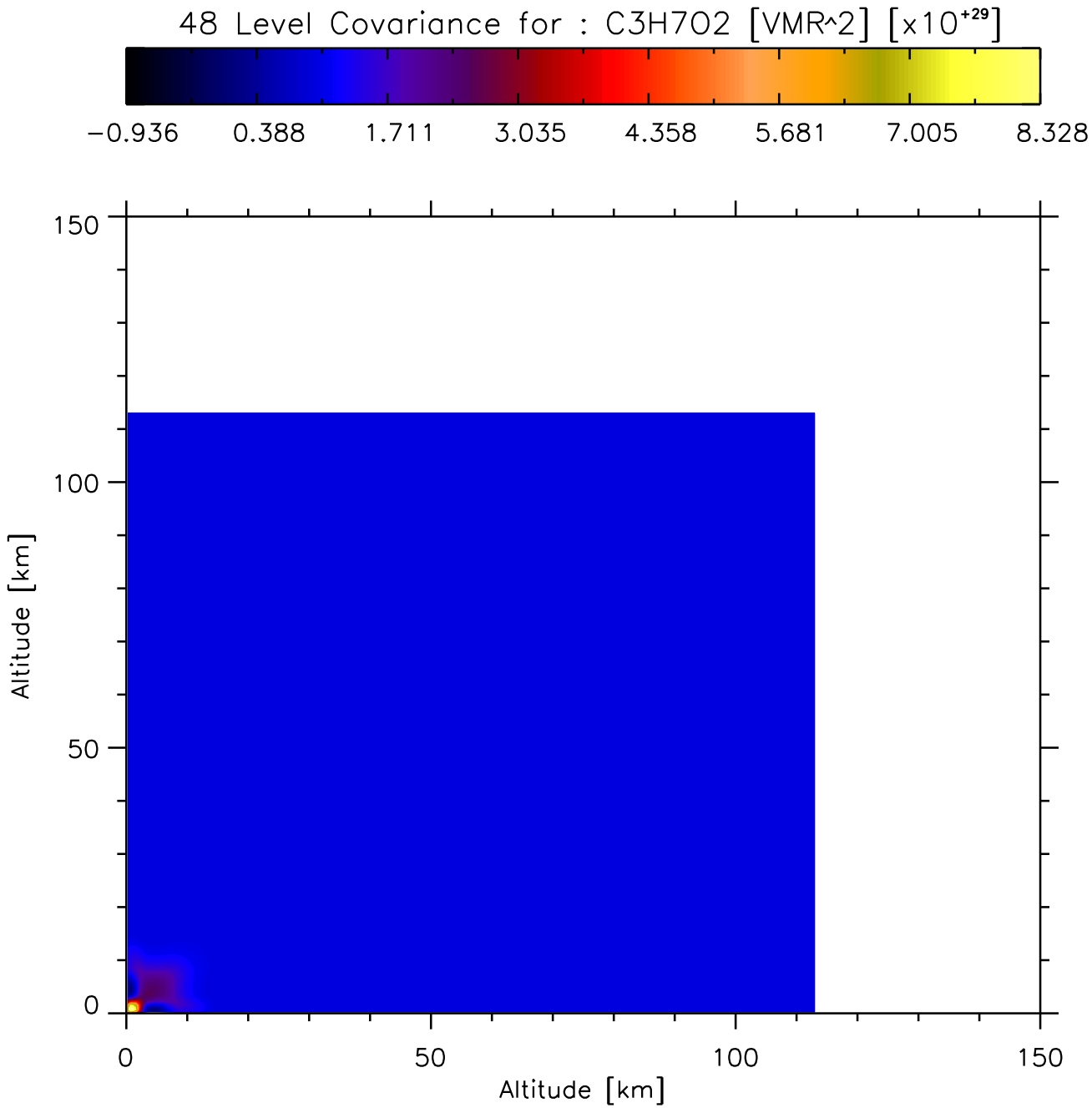

Initial & Interpolated profiles by month for : 2020
Greenbelt 38.8N 282.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
Mixing Ratio

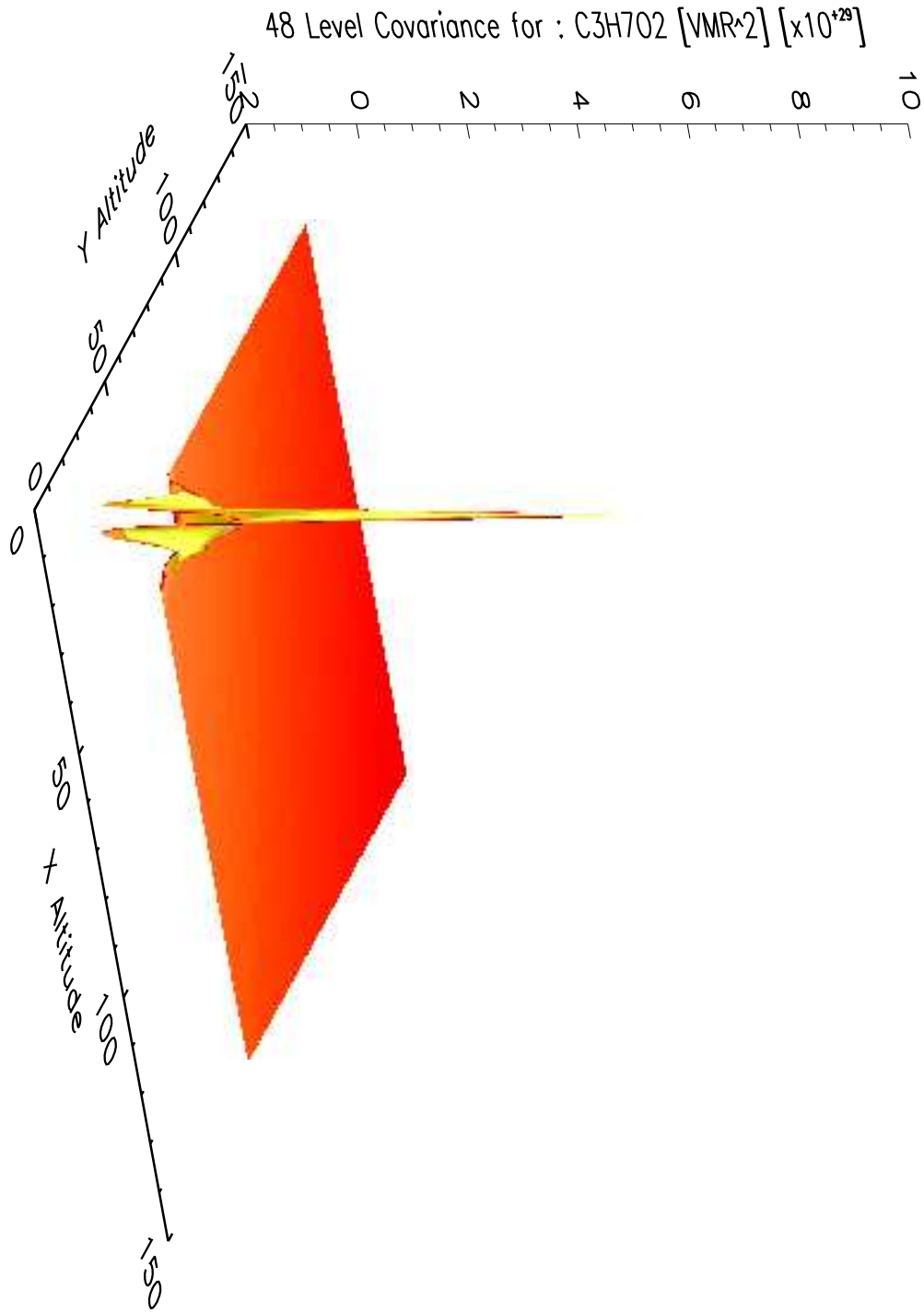

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10×10^-41
10×10^-36
10×10^-31
10×10^-26
10×10^-21
10×10^-16
10×10^-11
Mixing Ratio


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
%


49 Layer Covariance for : C3H7O2 [VMR^2] [x10^+29]
−0.760
0.483
1.725
2.968
4.211
5.453
6.696
7.938
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : C3H7O2 [VMR^2] [x10^+29]
Y Altitude
X Altitude
0
50
100
150
0
2
4
6
8
10


48 Level Covariance for : C3H7O2 [VMR^2] [x10^+29]
−0.936
0.388
1.711
3.035
4.358
5.681
7.005
8.328
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : C3H7O2 [VMR^2] [x10^+29]
Y Altitude
X Altitude
0
50
100
150
0
2
4
6
8
10