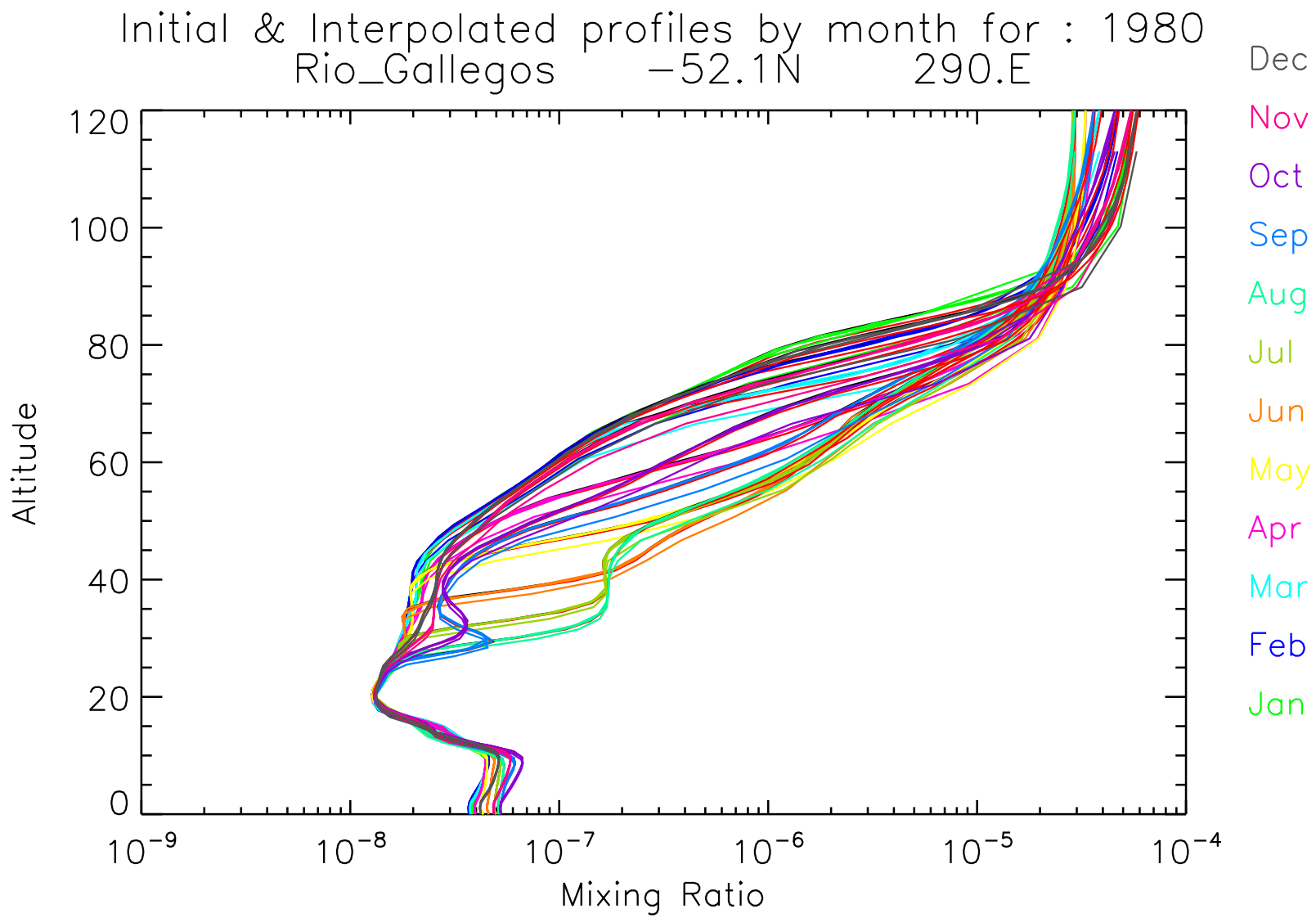
Initial & Interpolated profiles by month for : 1980
Rio_Gallegos −52.1N 290.E
Altitude
120
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Mixing Ratio
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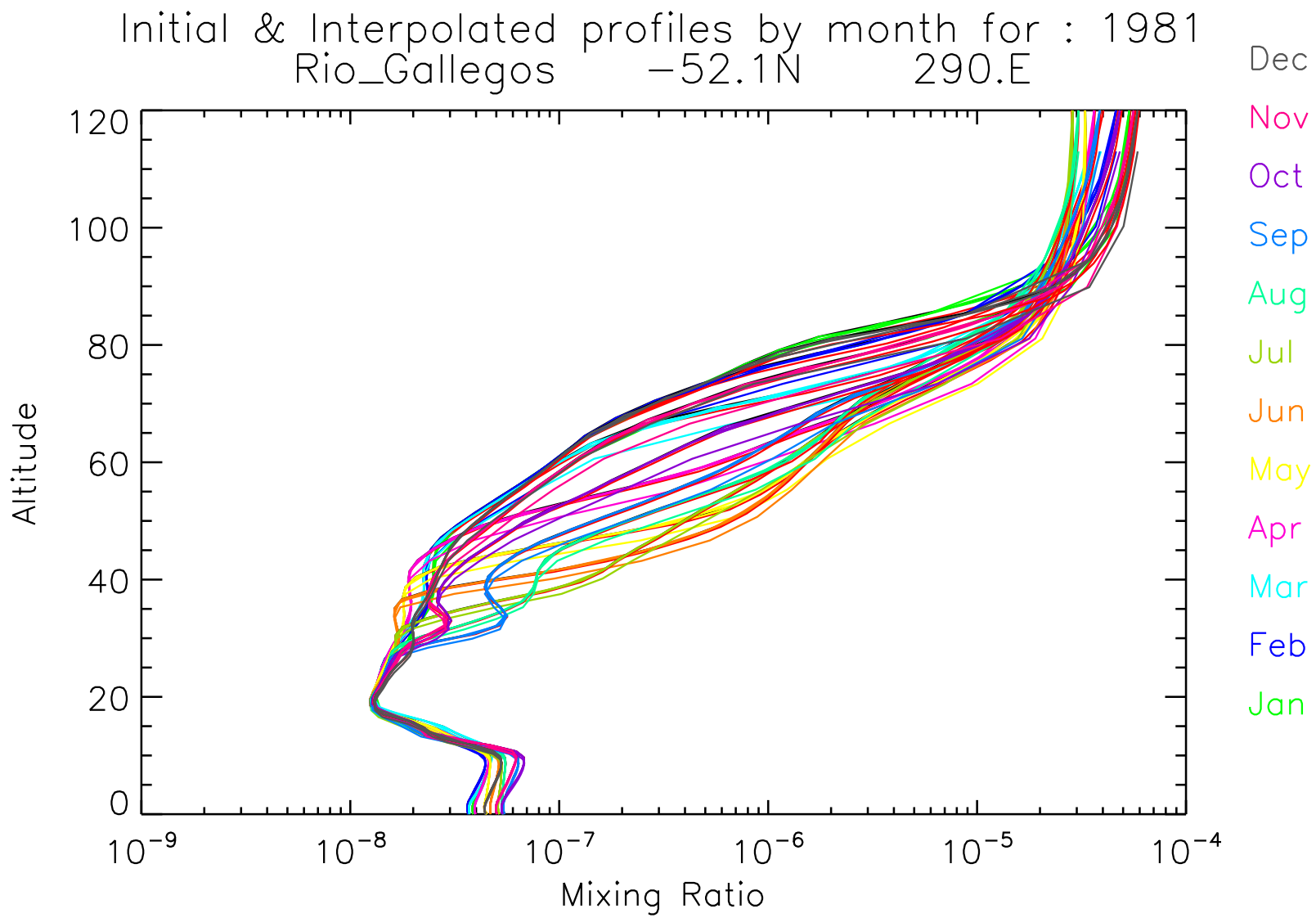
Initial & Interpolated profiles by month for : 1981
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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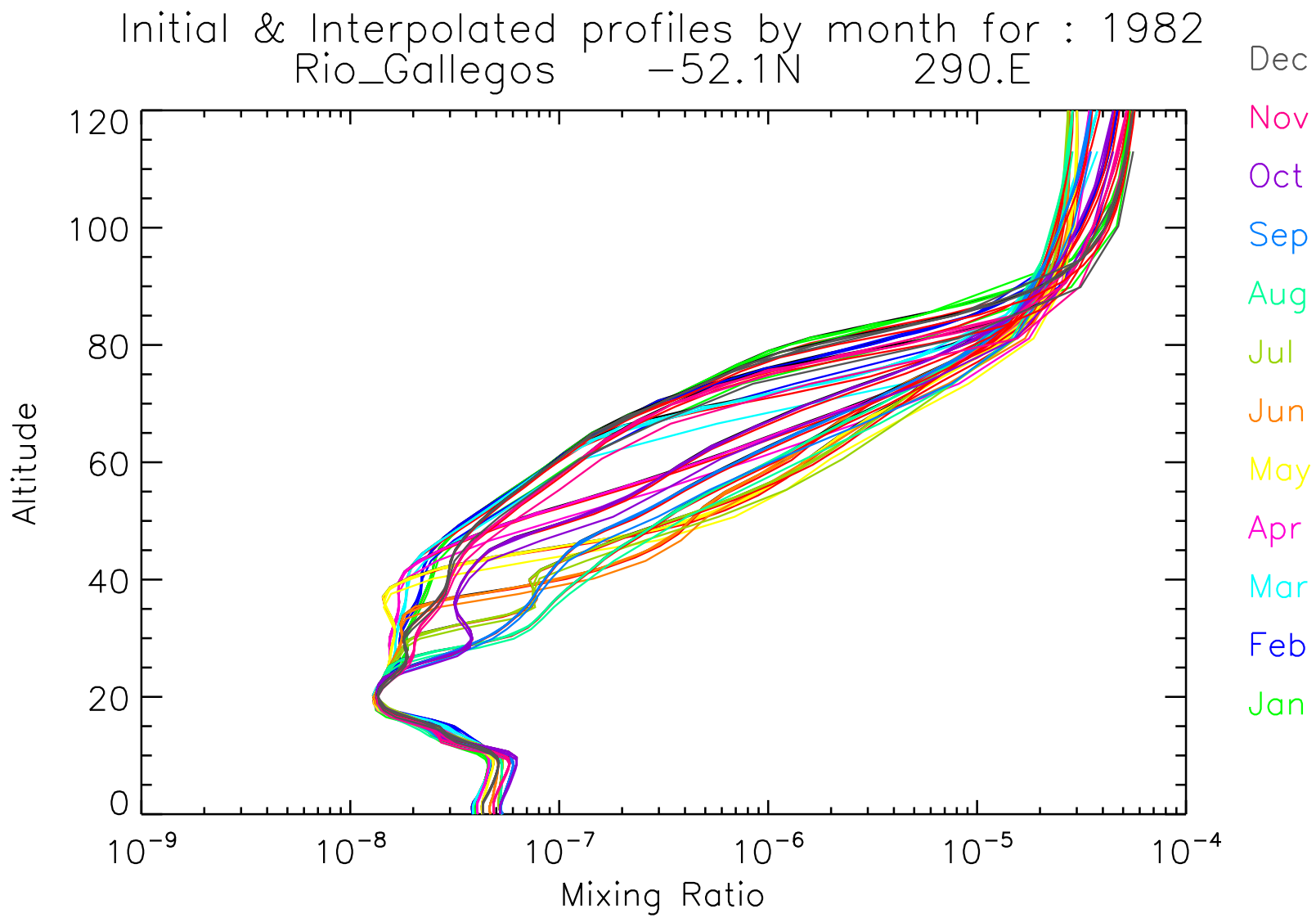
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Altitude
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Mixing Ratio
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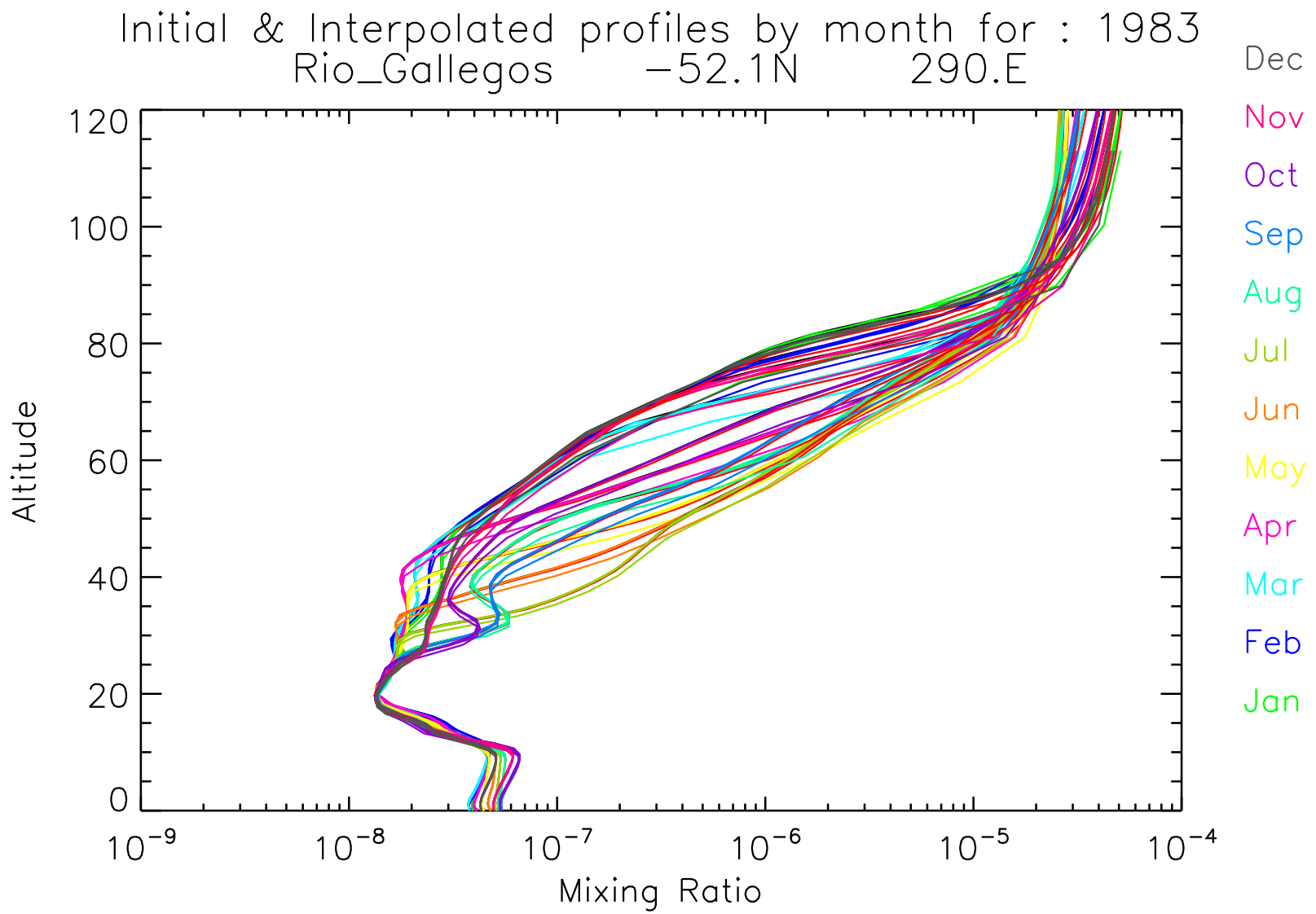
Initial & Interpolated profiles by month for : 1983
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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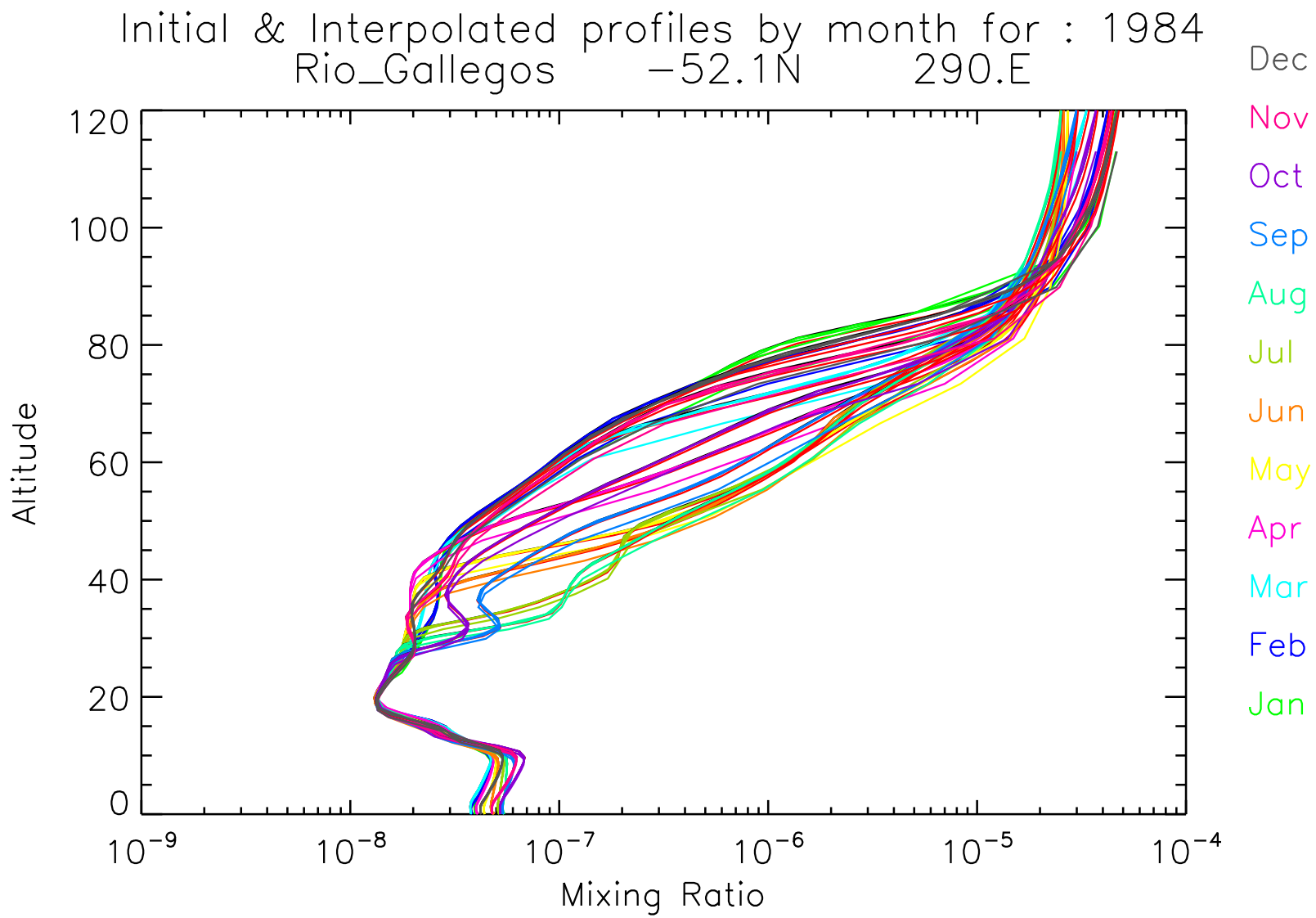
Initial & Interpolated profiles by month for : 1984
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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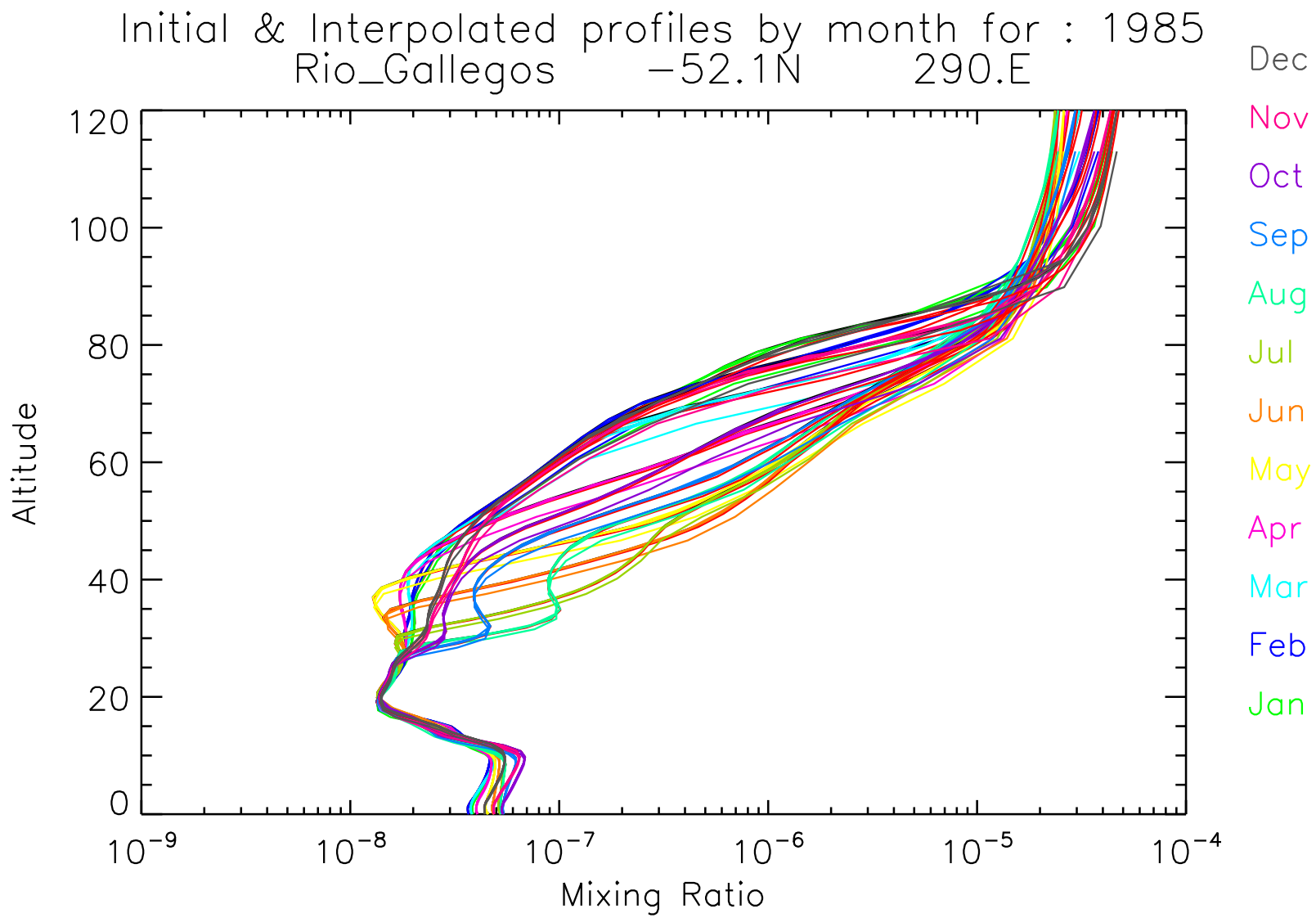
Initial & Interpolated profiles by month for : 1985
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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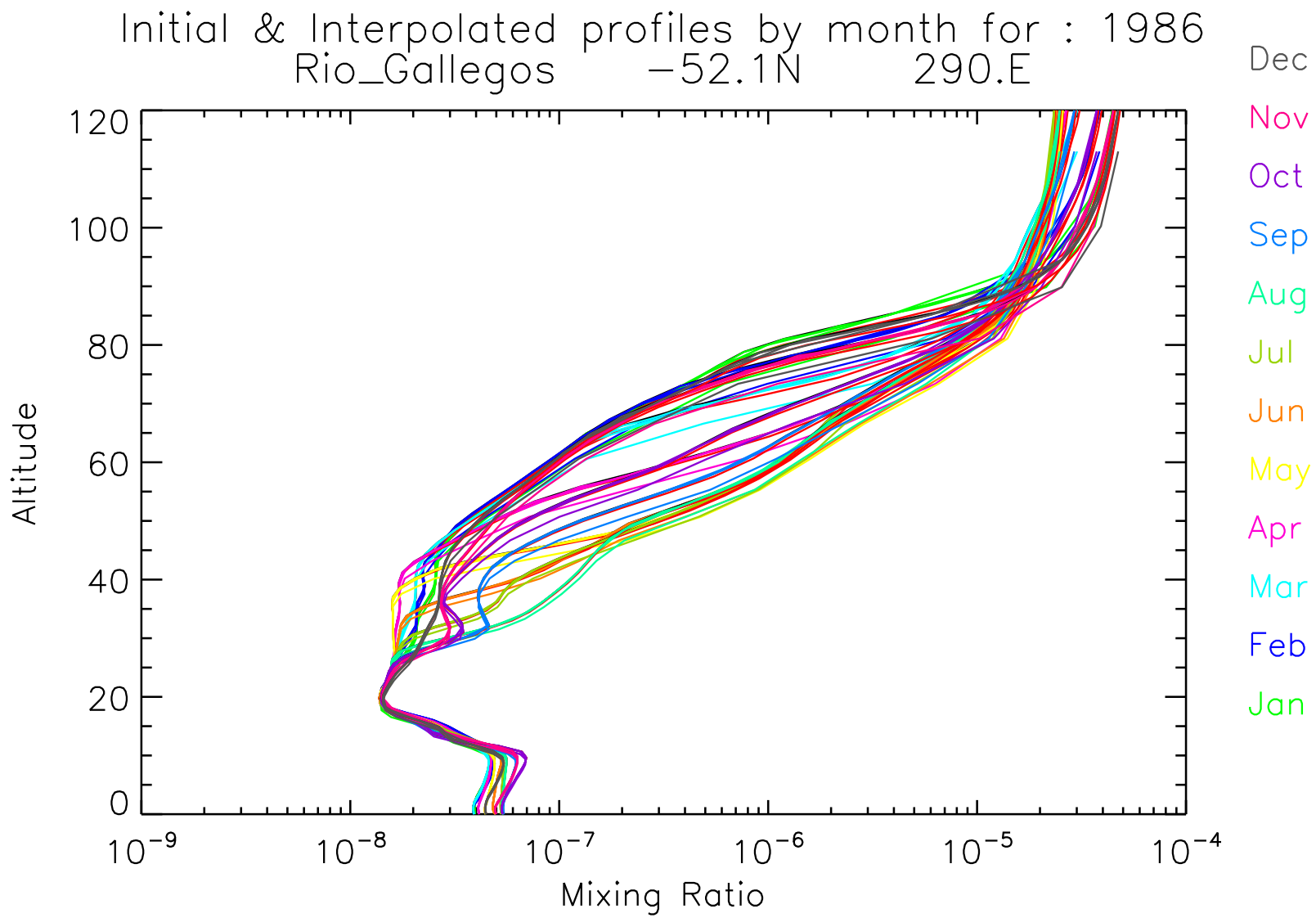
Initial & Interpolated profiles by month for : 1986
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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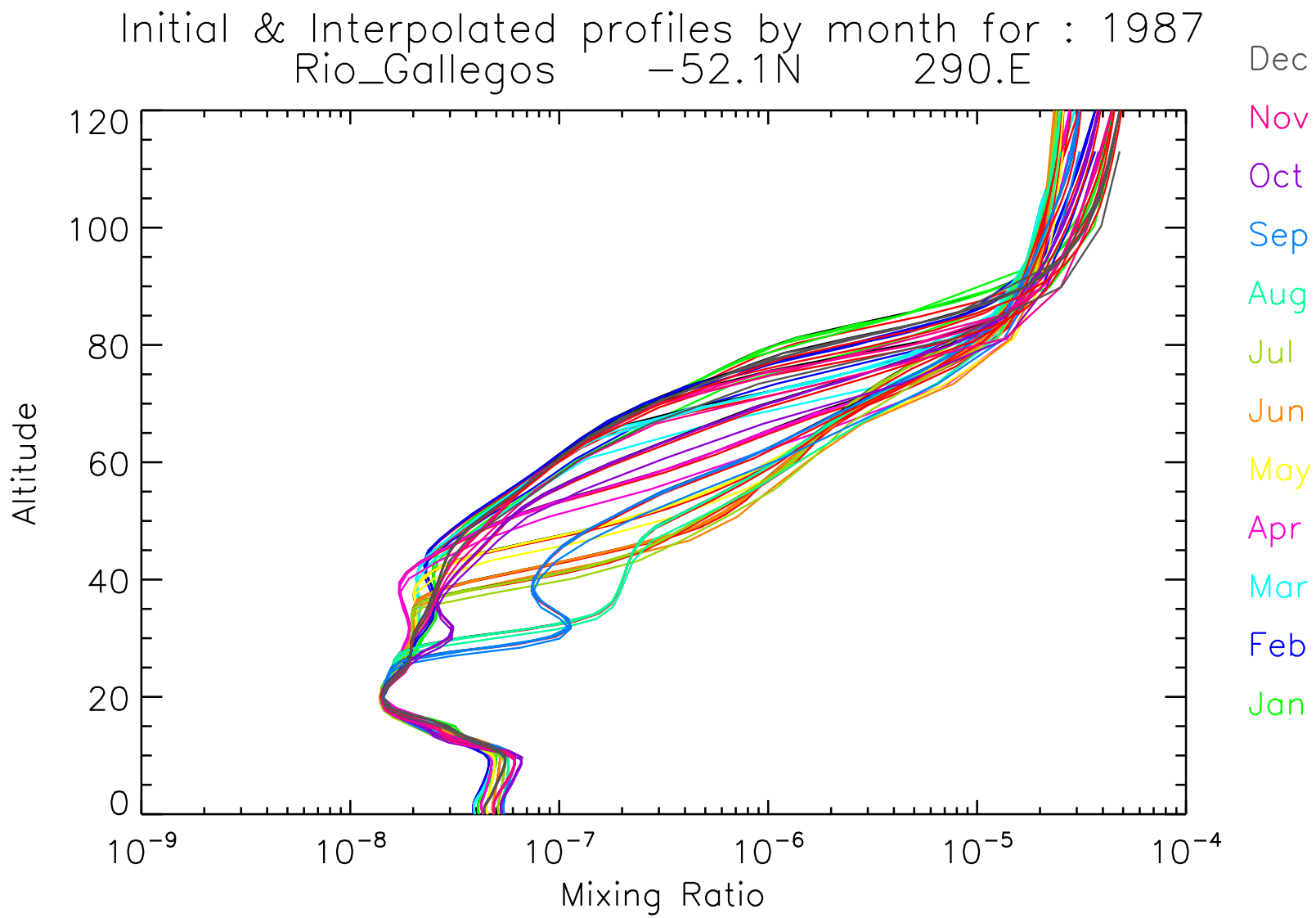
Initial & Interpolated profiles by month for : 1987
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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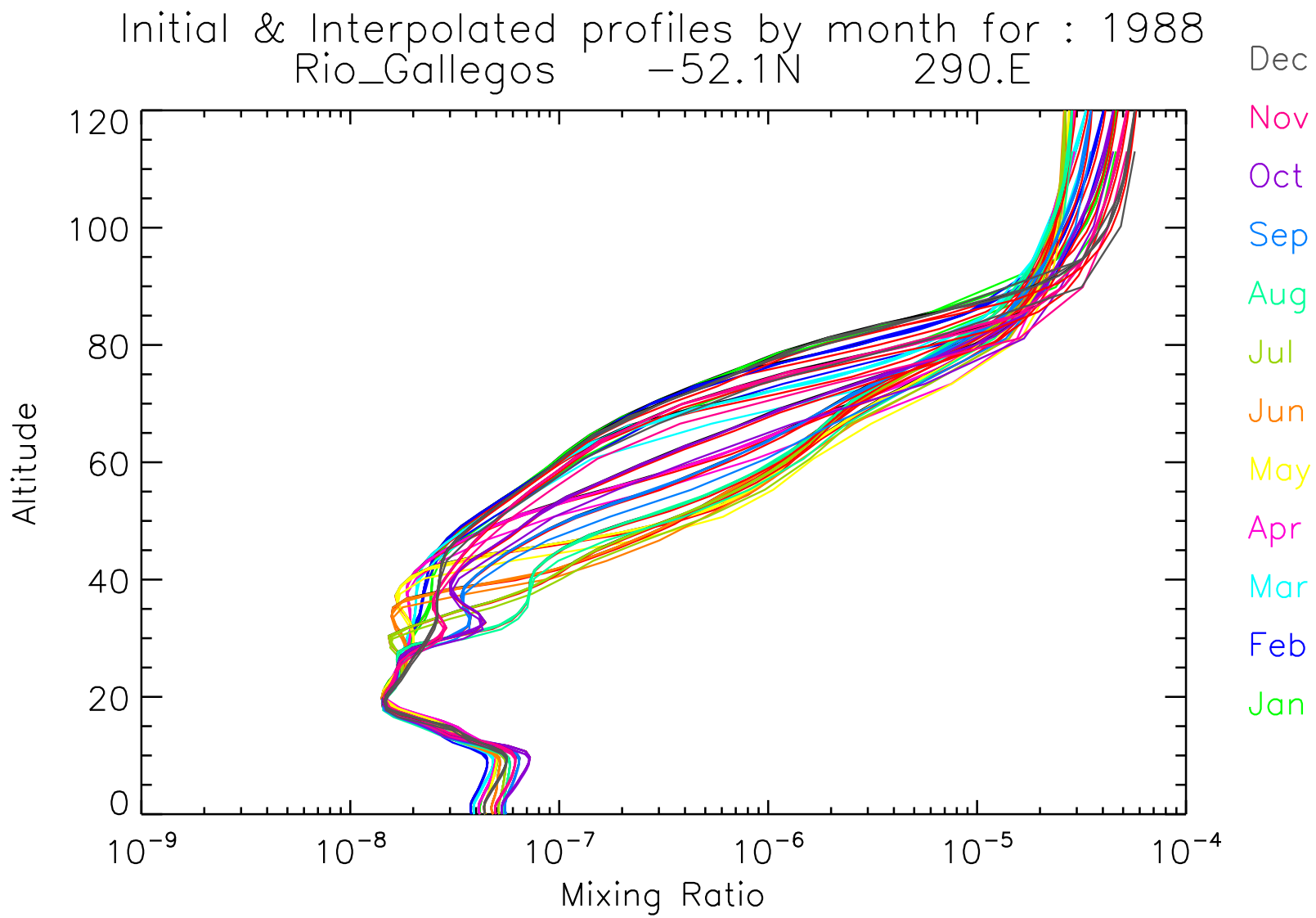
Initial & Interpolated profiles by month for : 1988
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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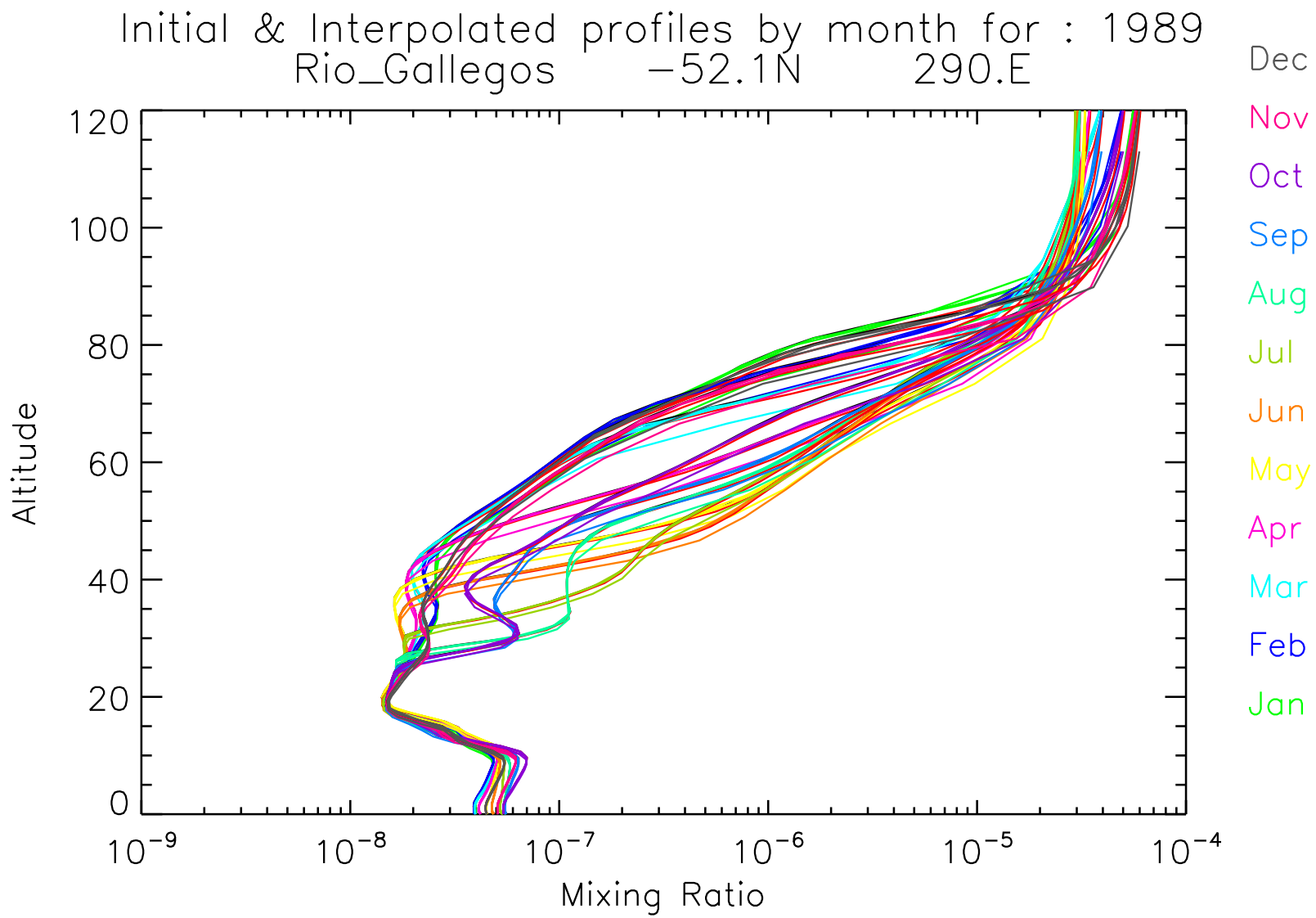
Initial & Interpolated profiles by month for : 1989
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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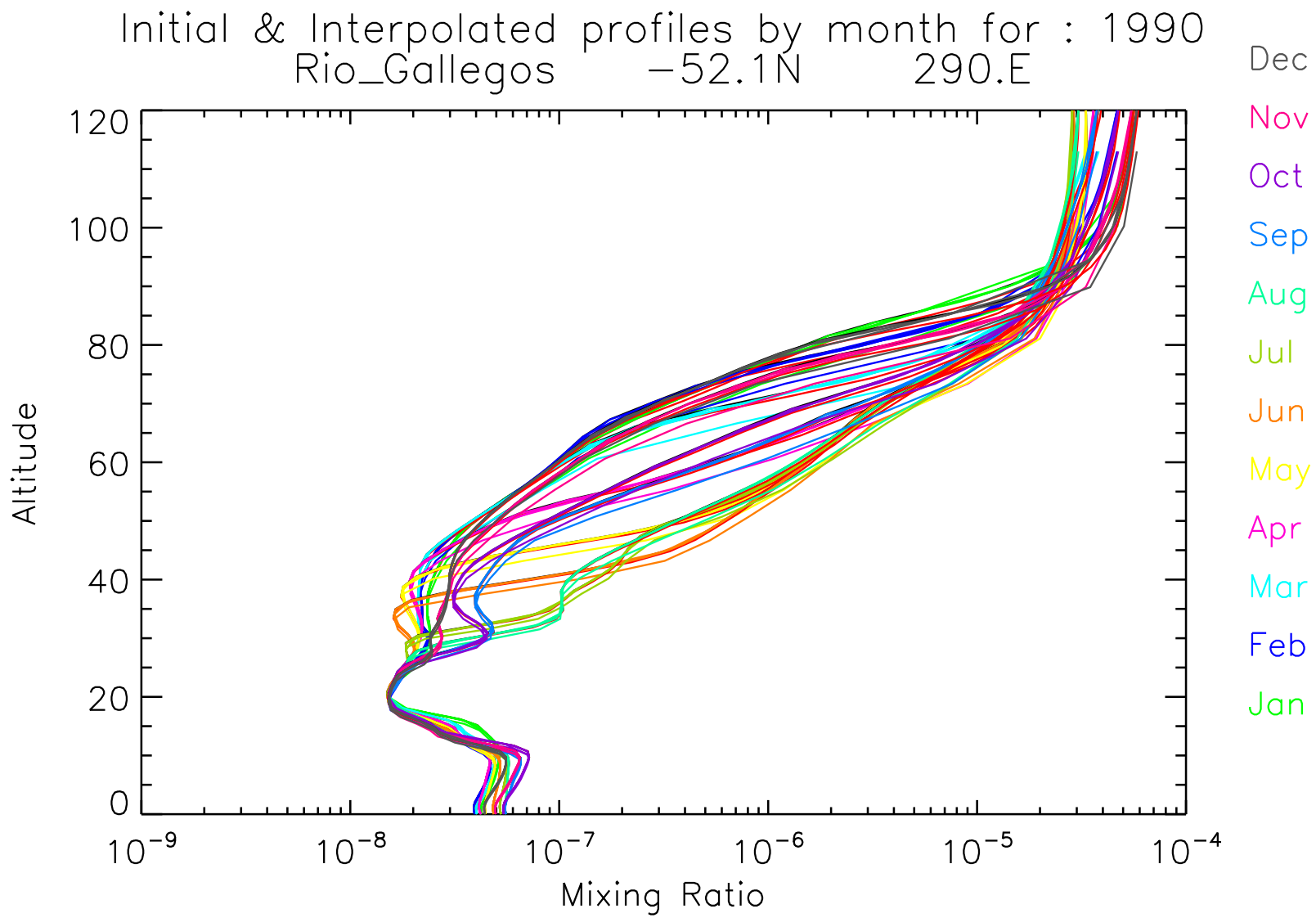
Initial & Interpolated profiles by month for : 1990
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Altitude
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Mixing Ratio
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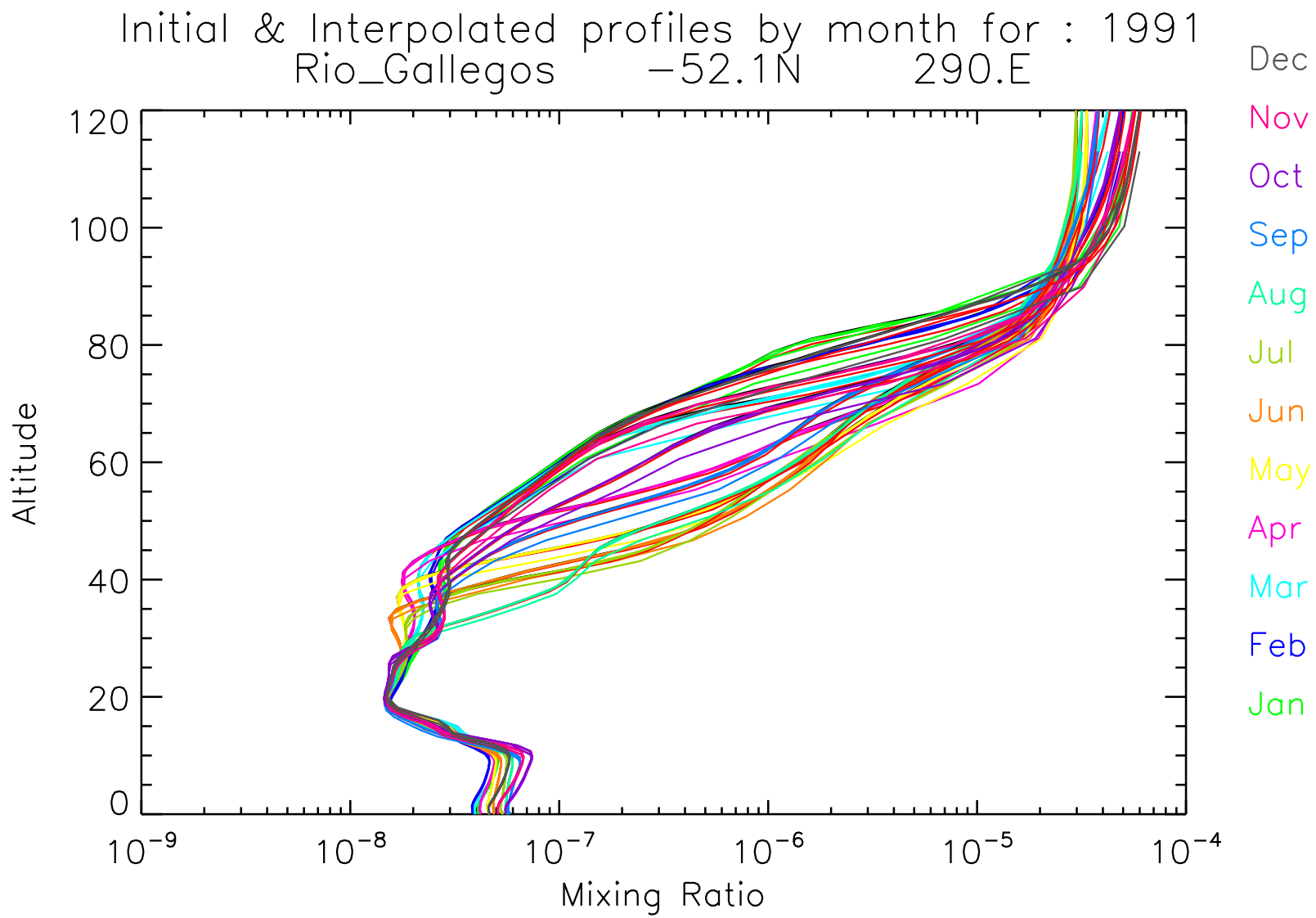
Initial & Interpolated profiles by month for : 1991
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Altitude
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Mixing Ratio
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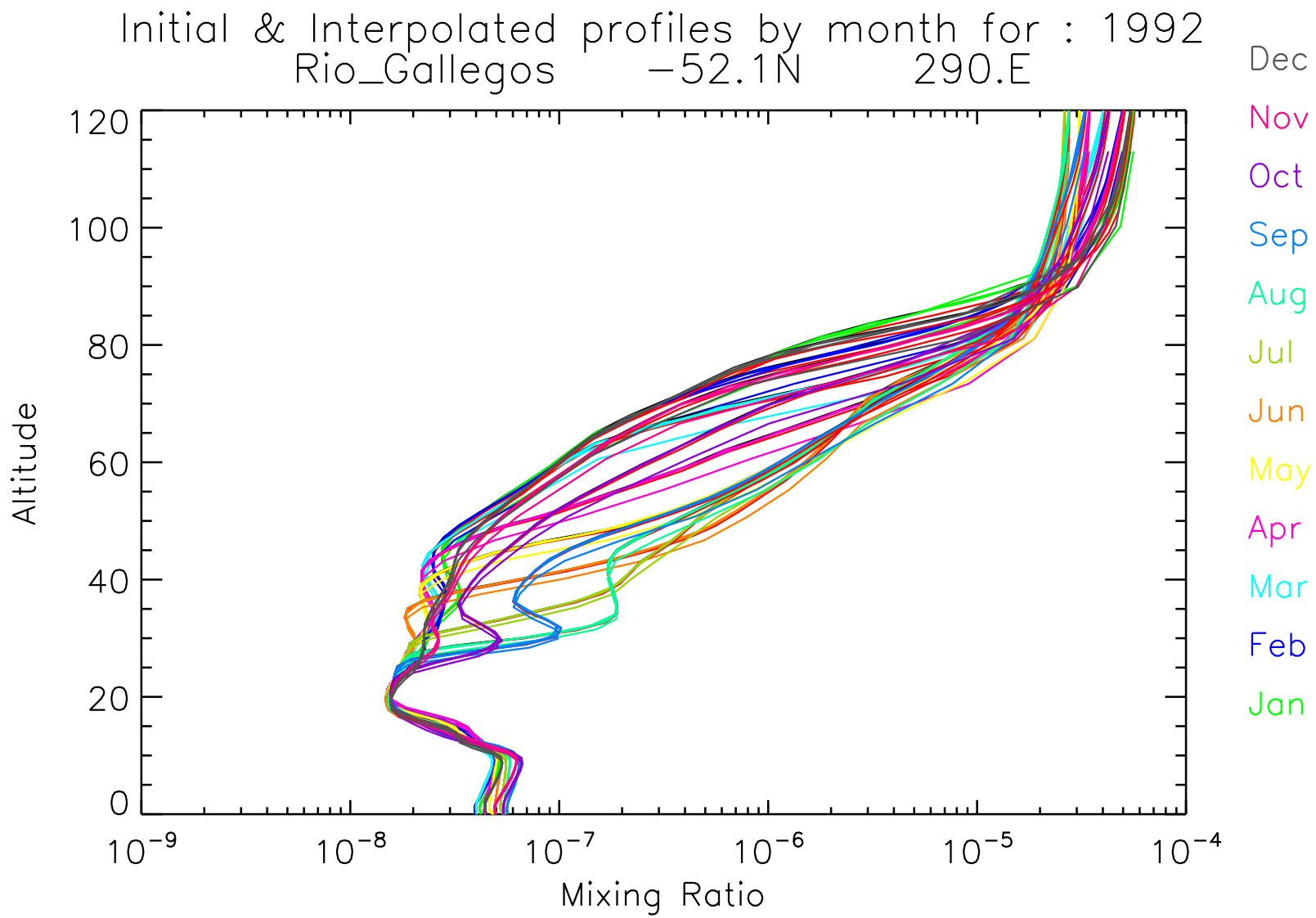
Initial & Interpolated profiles by month for : 1992
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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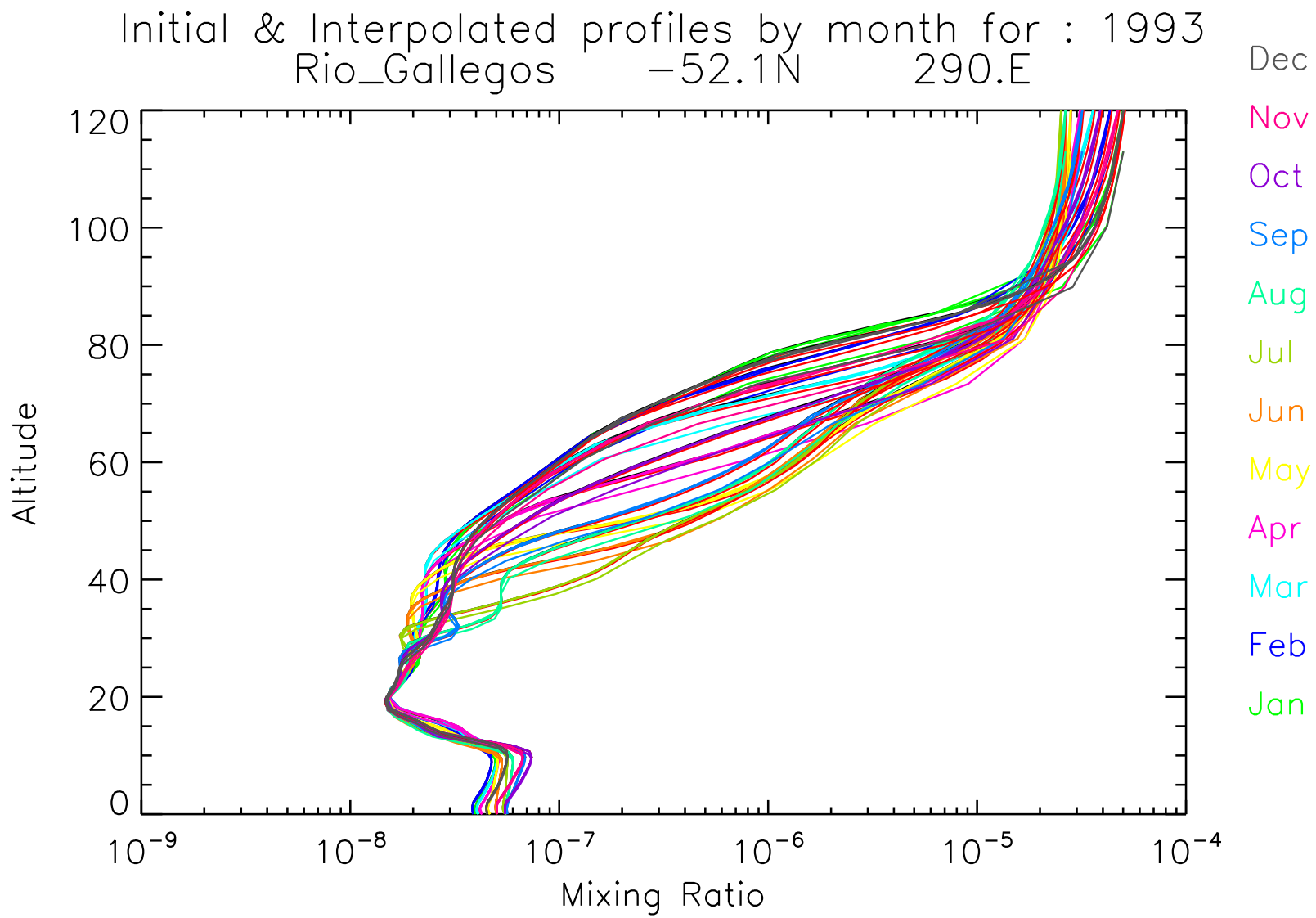
Initial & Interpolated profiles by month for : 1993
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Altitude
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Mixing Ratio
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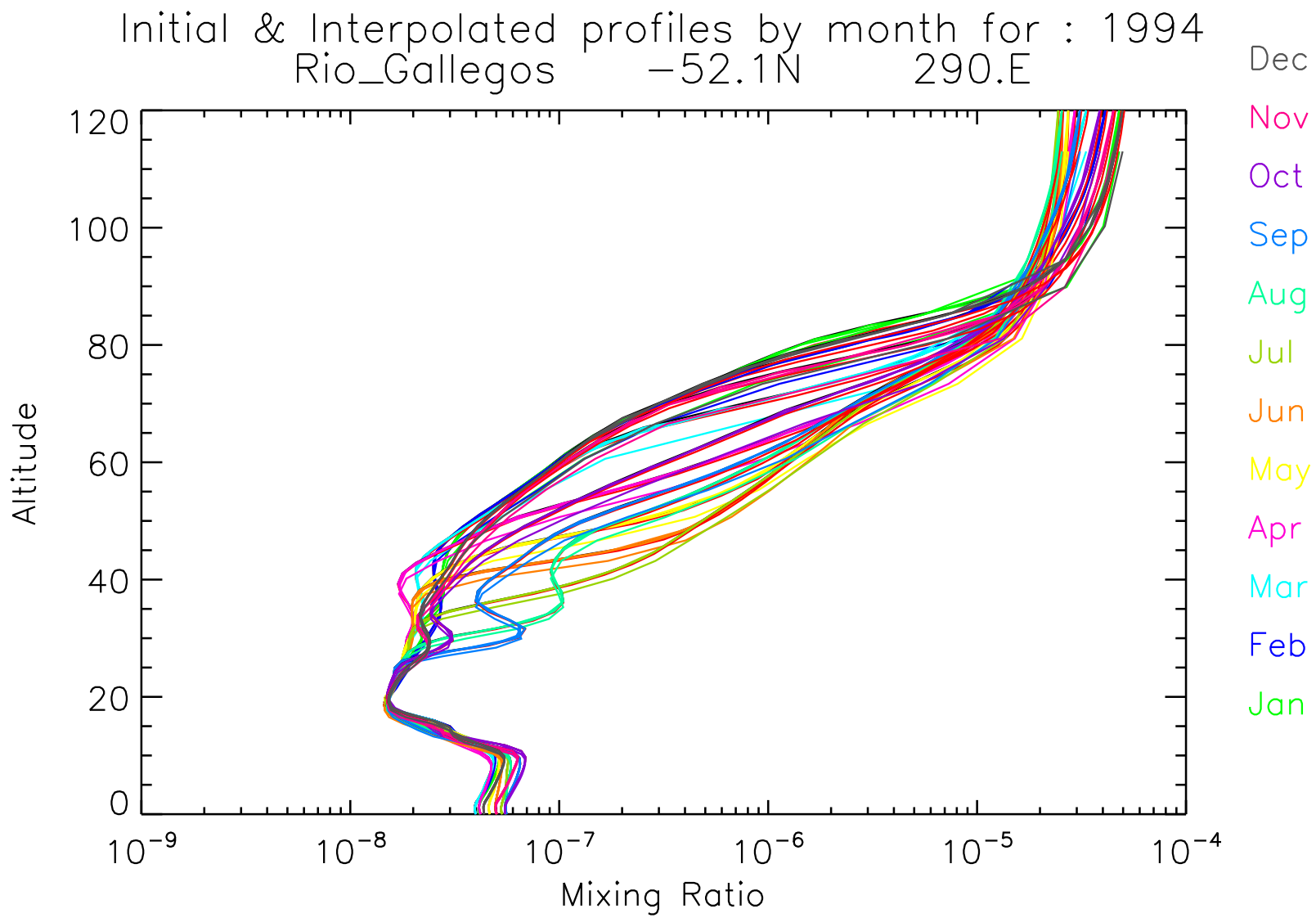
Initial & Interpolated profiles by month for : 1994
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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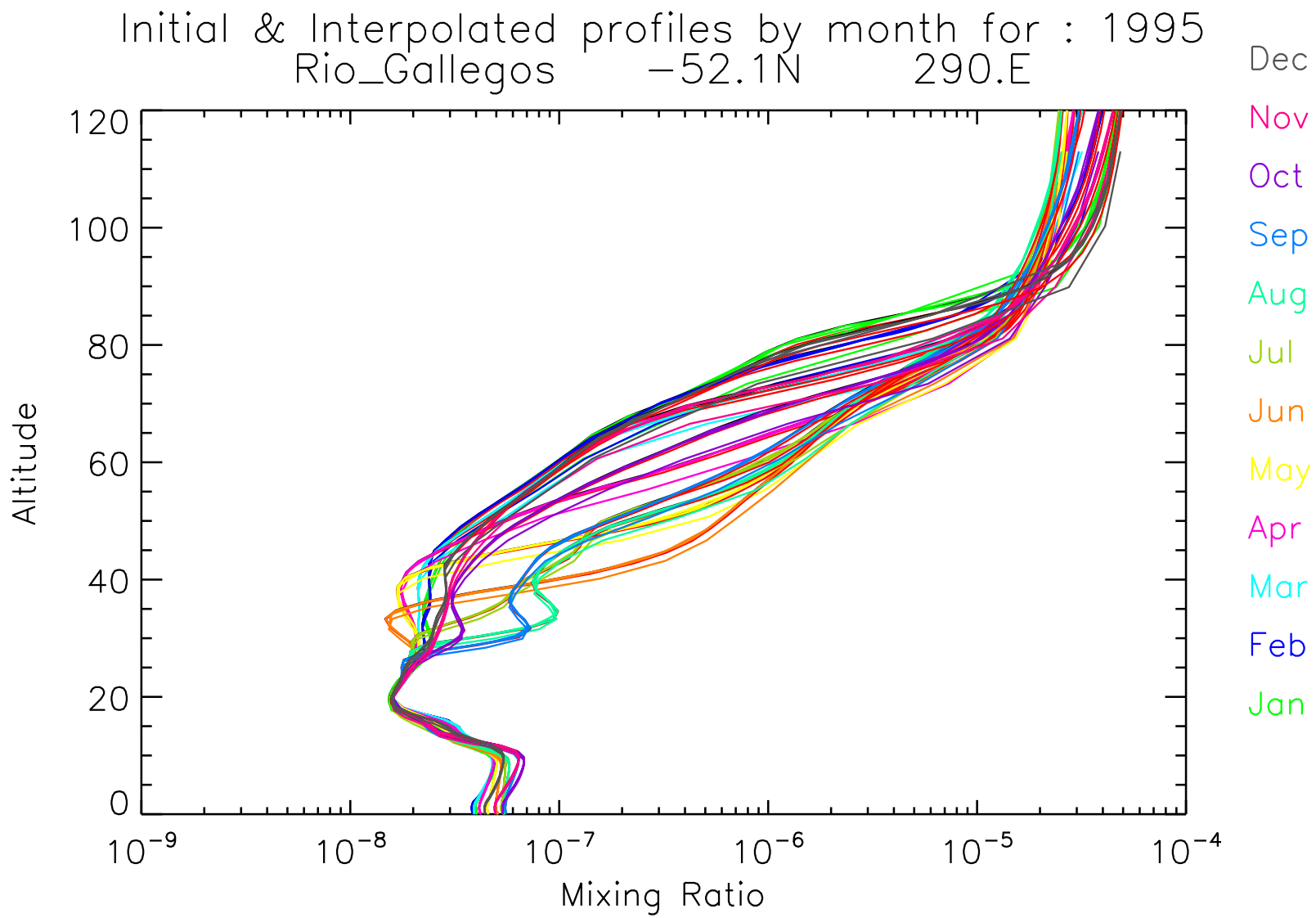
Initial & Interpolated profiles by month for : 1995
Rio_Gallegos −52.1N 290.E
Altitude
Mixing Ratio
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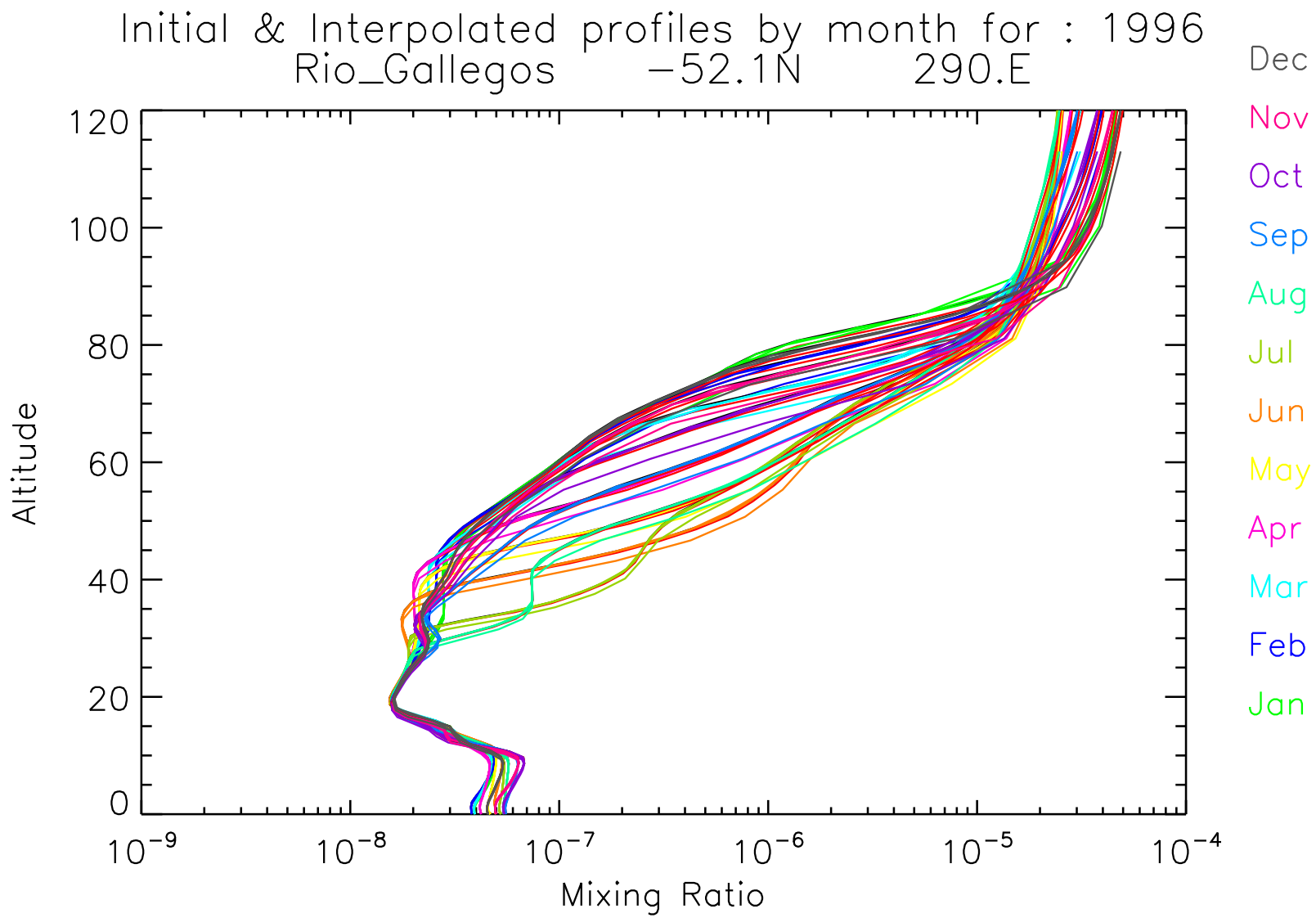
Initial & Interpolated profiles by month for : 1996
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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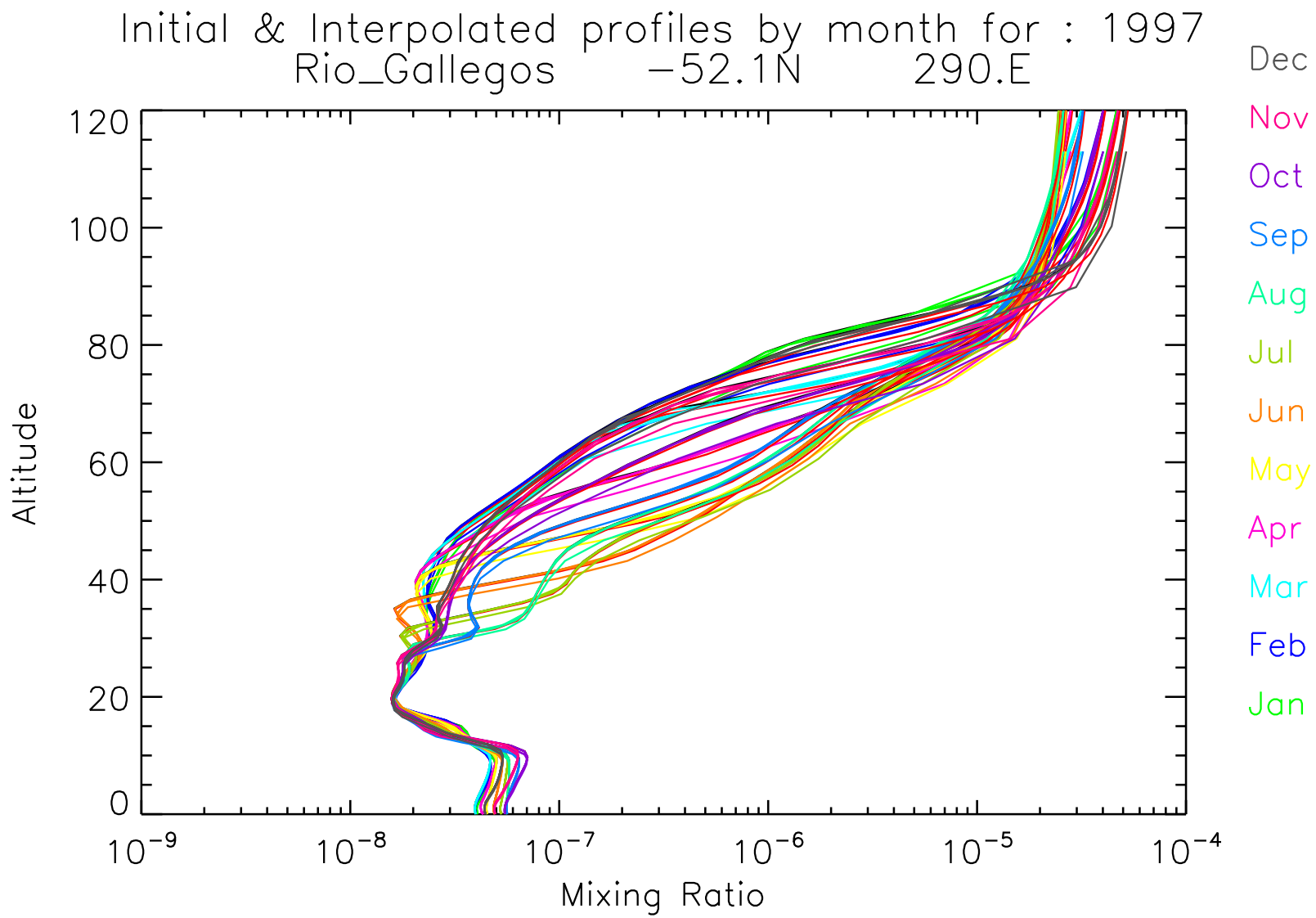
Initial & Interpolated profiles by month for : 1997
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Altitude
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Mixing Ratio
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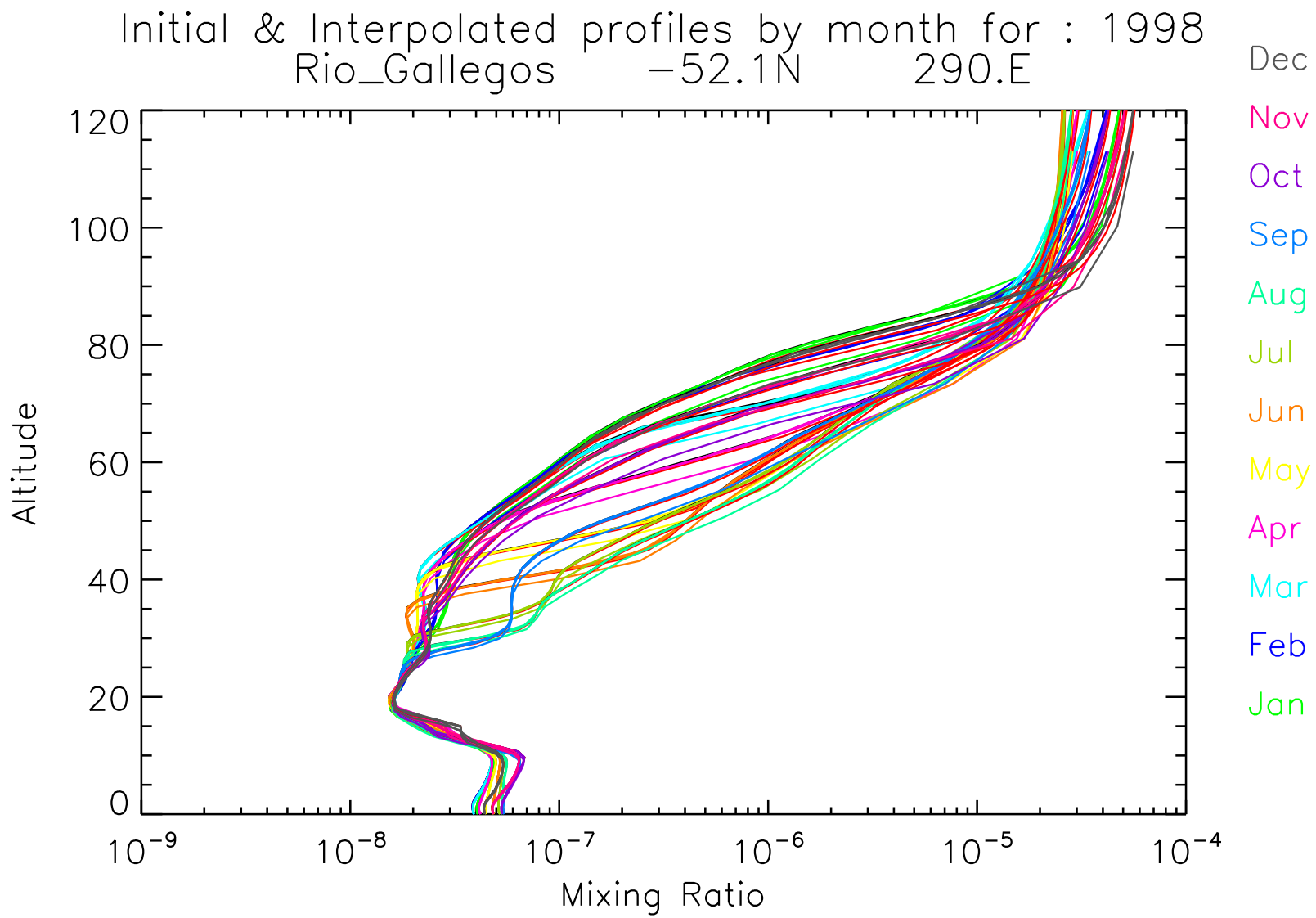
Initial & Interpolated profiles by month for : 1998
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Altitude
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Mixing Ratio
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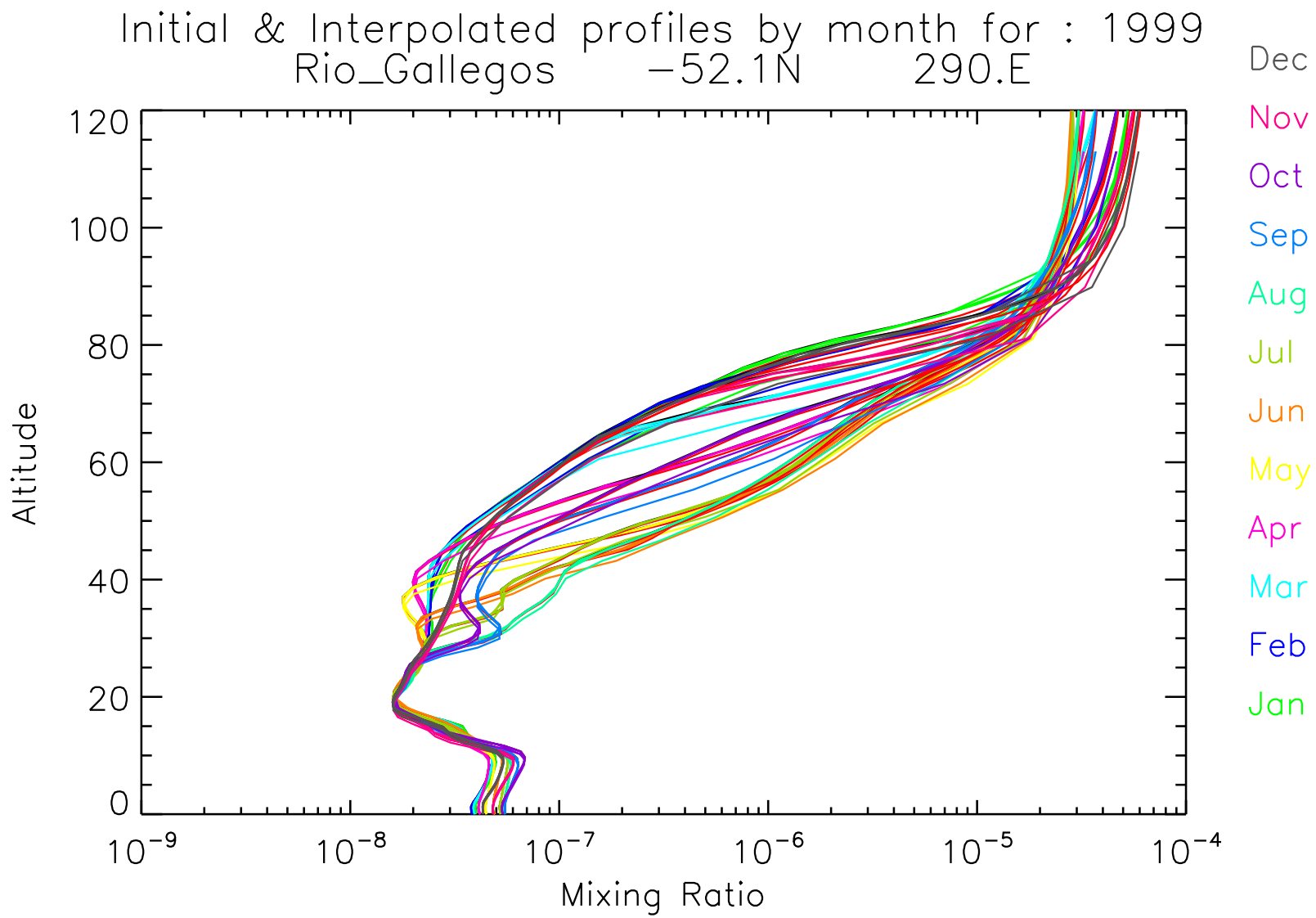
Initial & Interpolated profiles by month for : 1999
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Mixing Ratio
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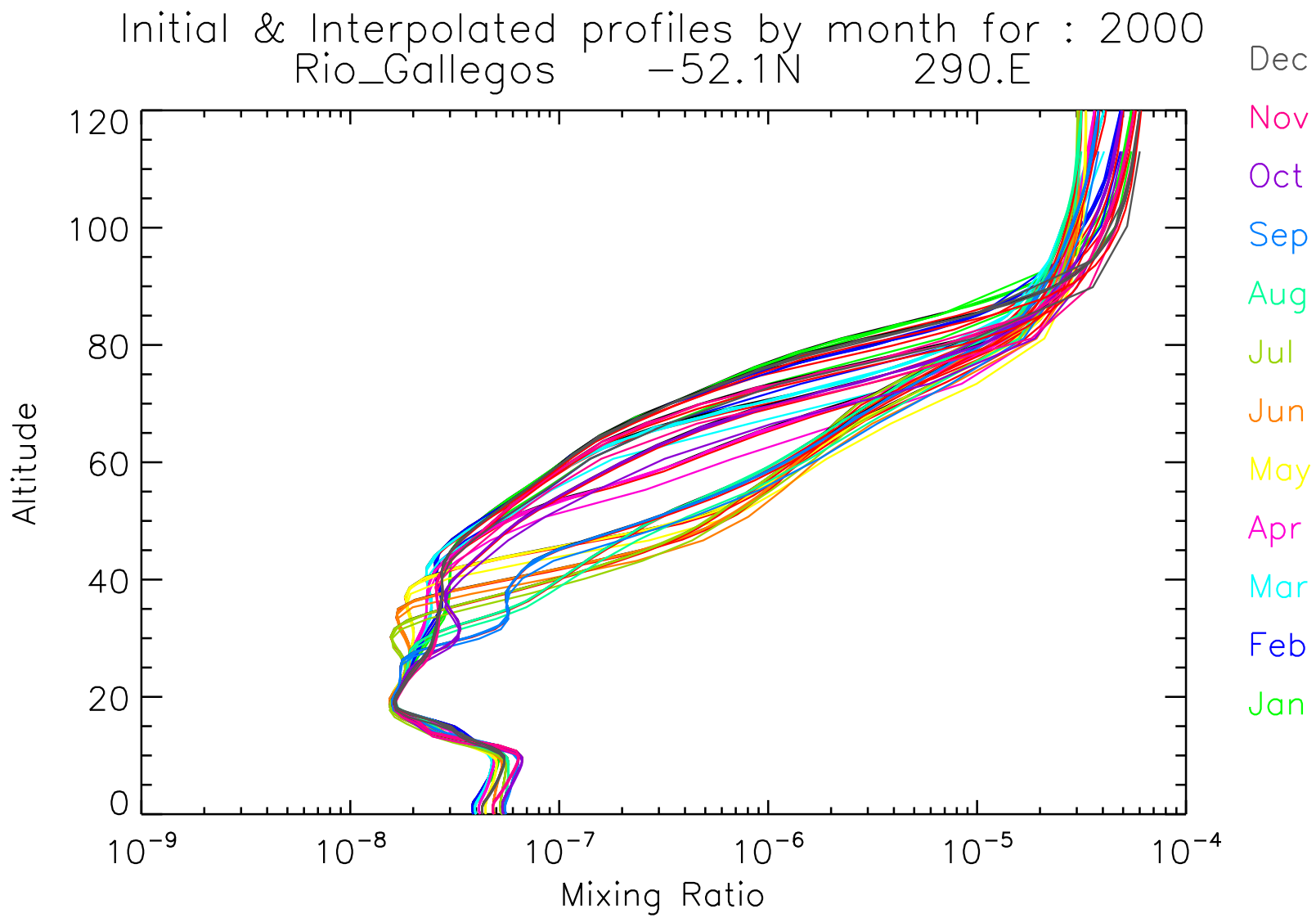
Initial & Interpolated profiles by month for : 2000
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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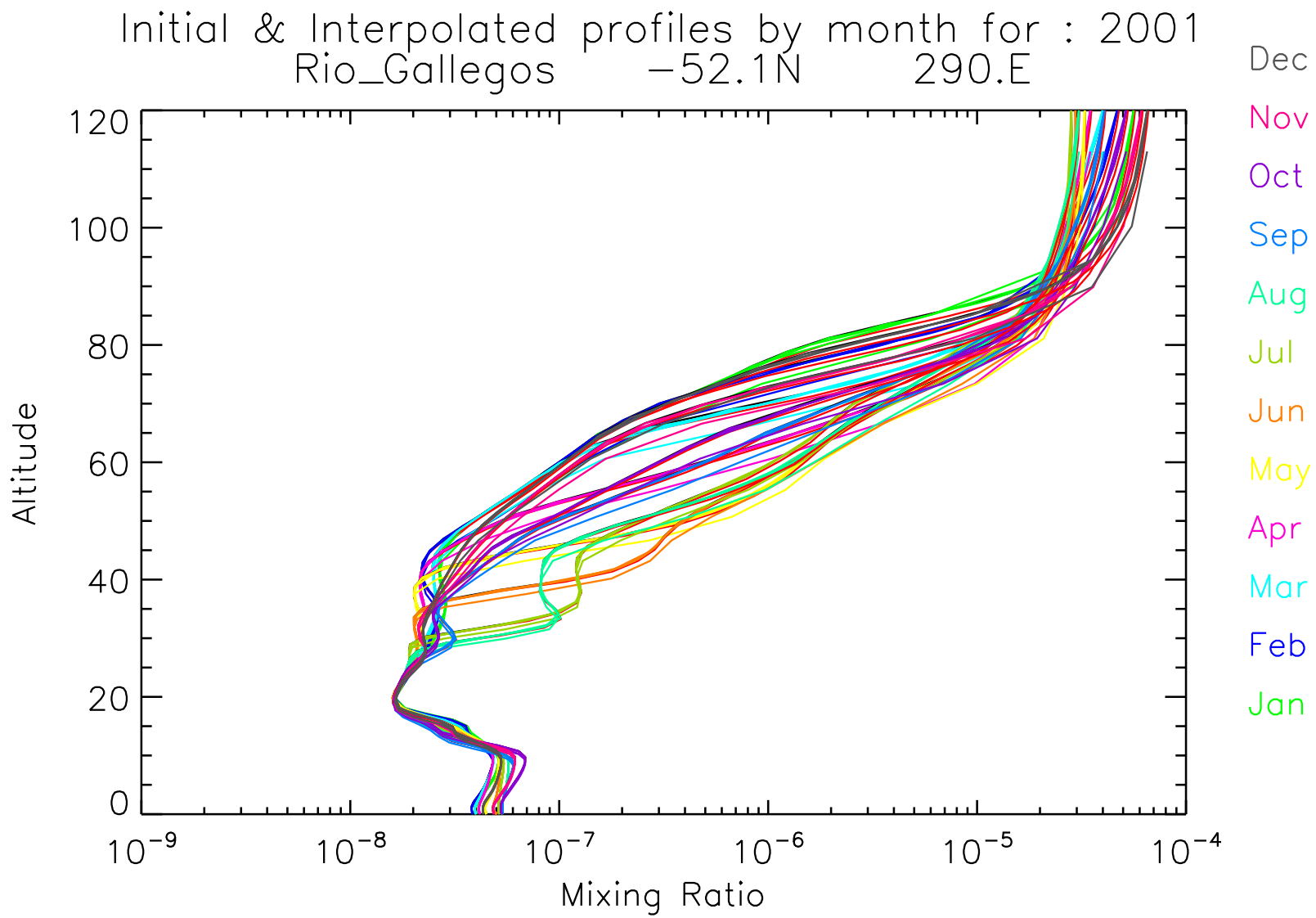
Initial & Interpolated profiles by month for : 2001
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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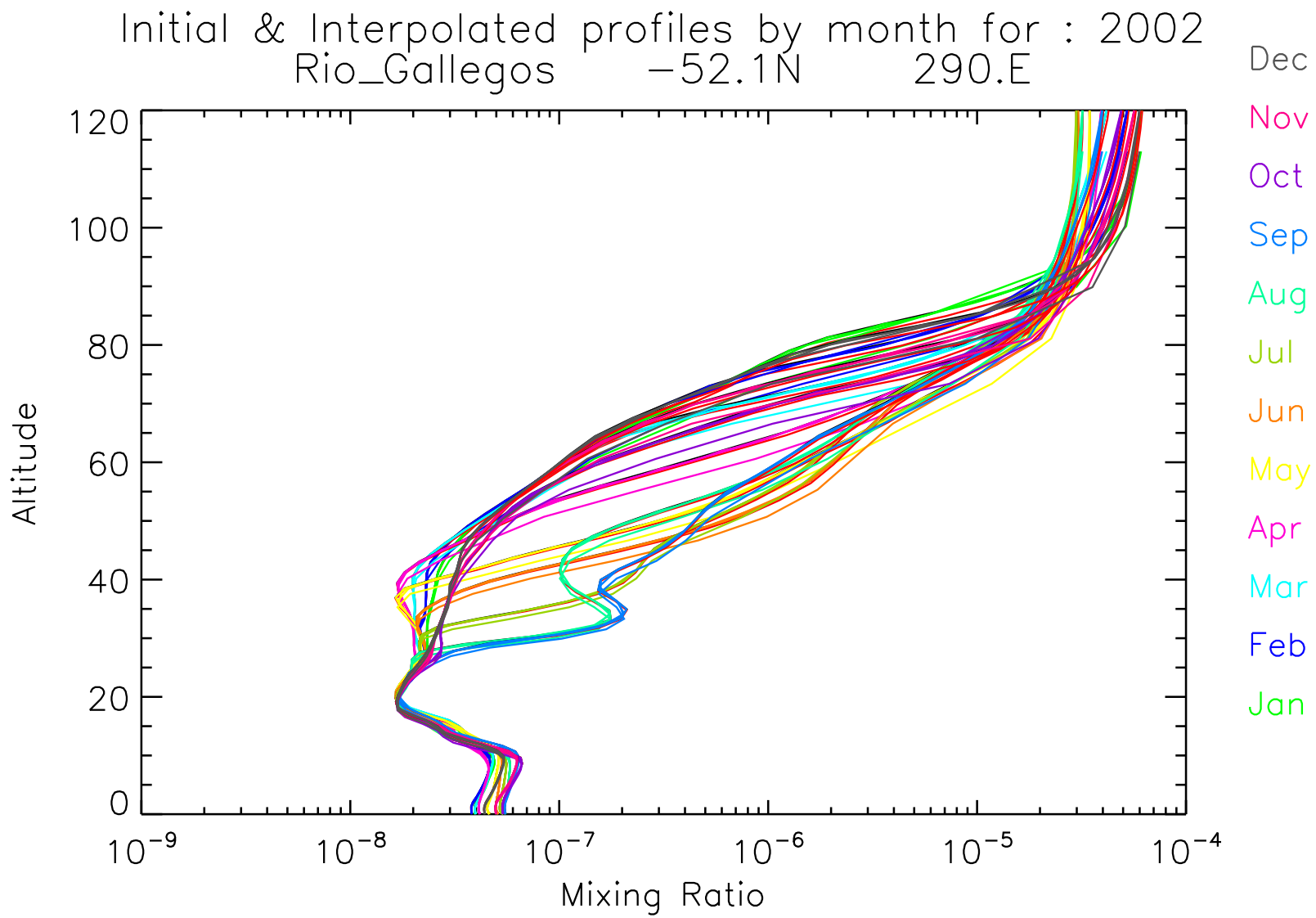
Initial & Interpolated profiles by month for : 2002
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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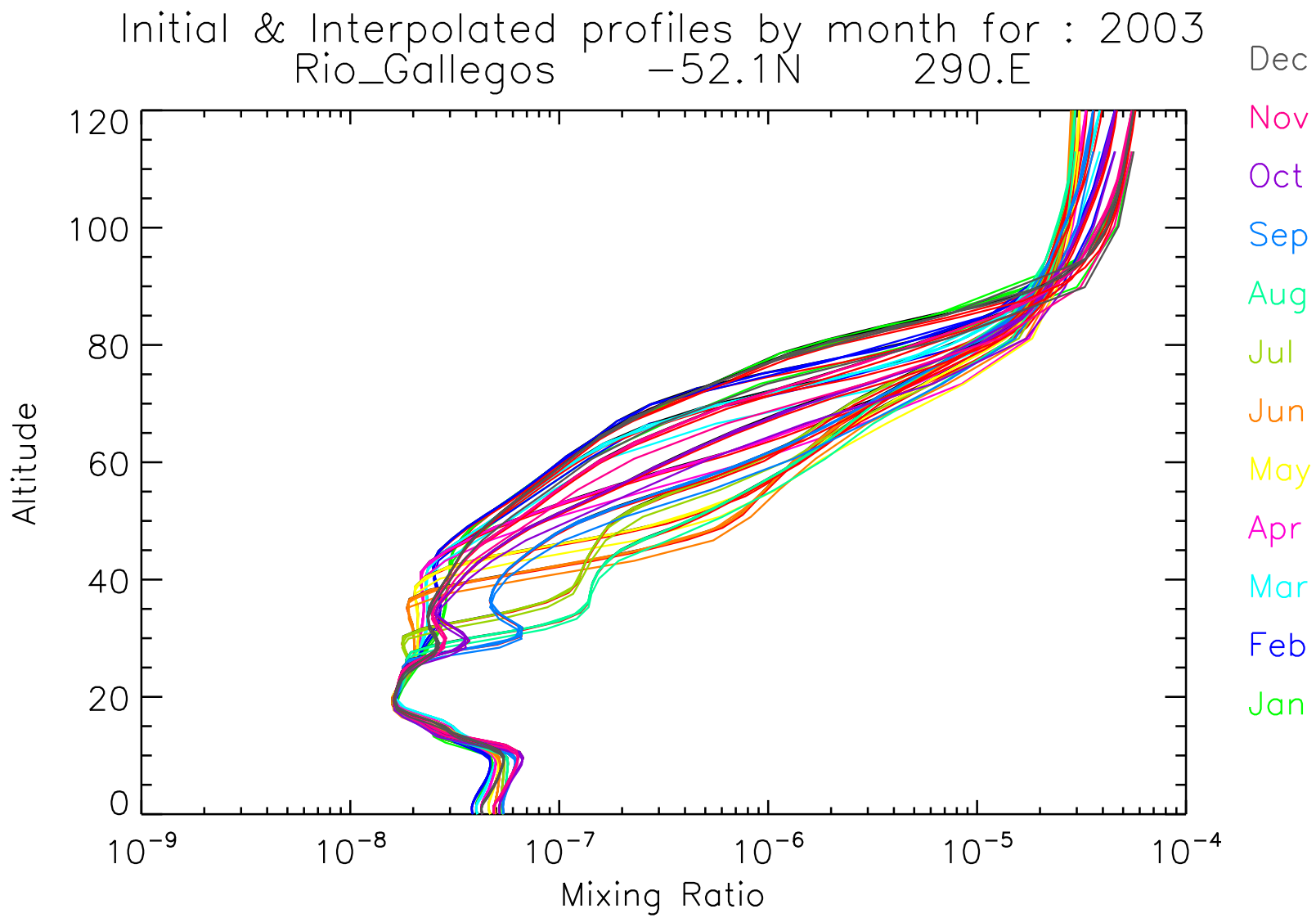
Initial & Interpolated profiles by month for : 2003
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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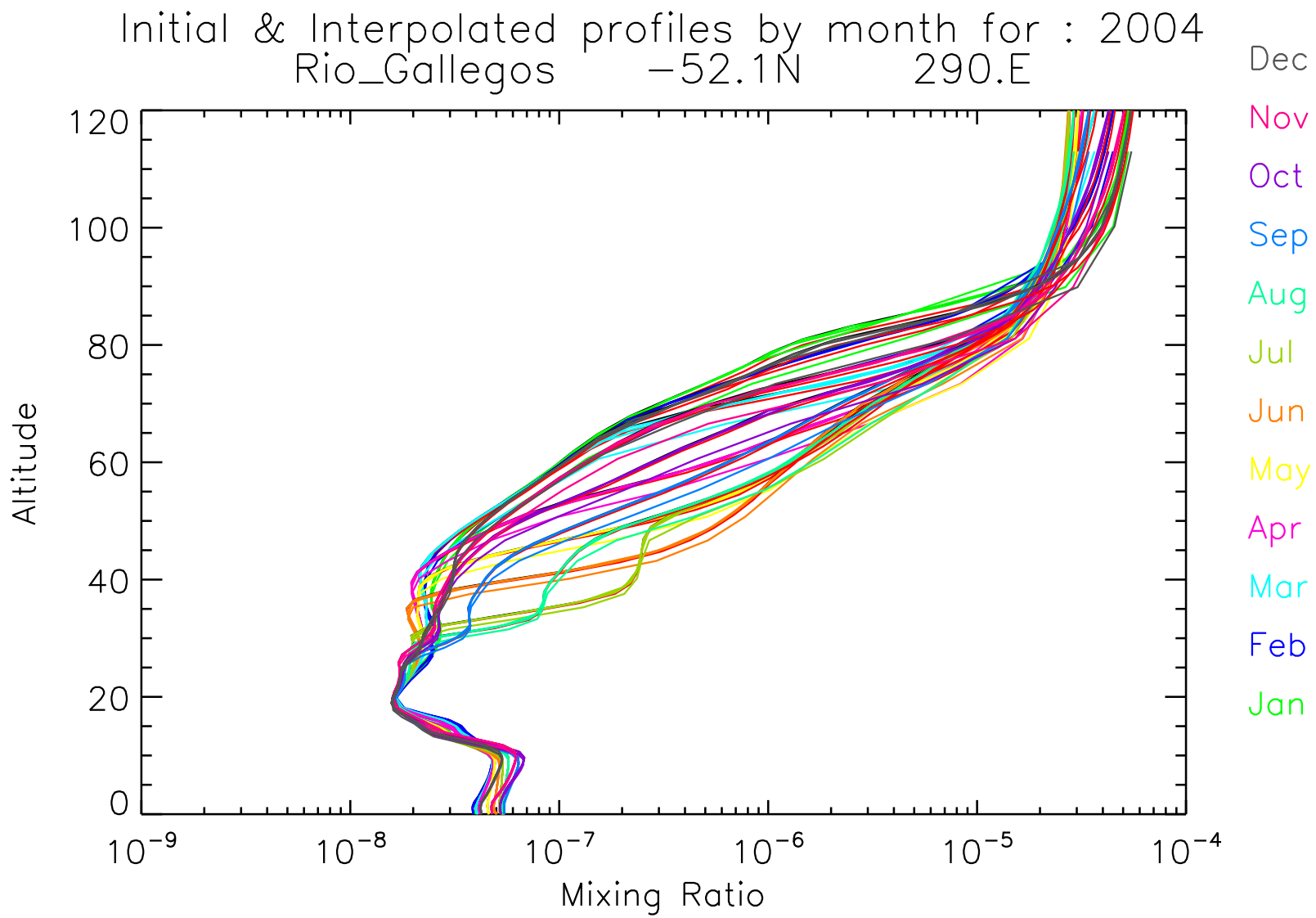
Initial & Interpolated profiles by month for : 2004
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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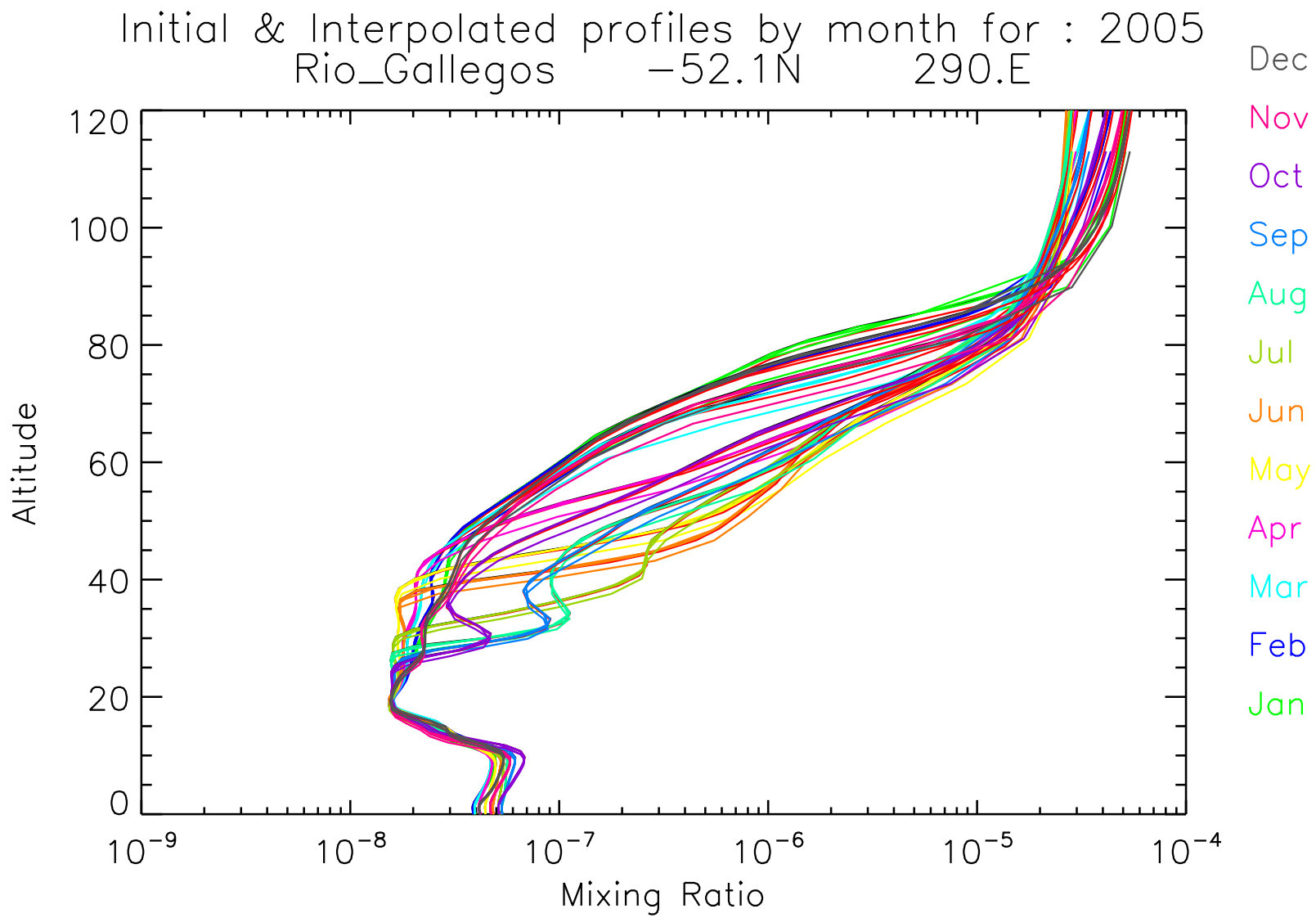
Initial & Interpolated profiles by month for : 2005
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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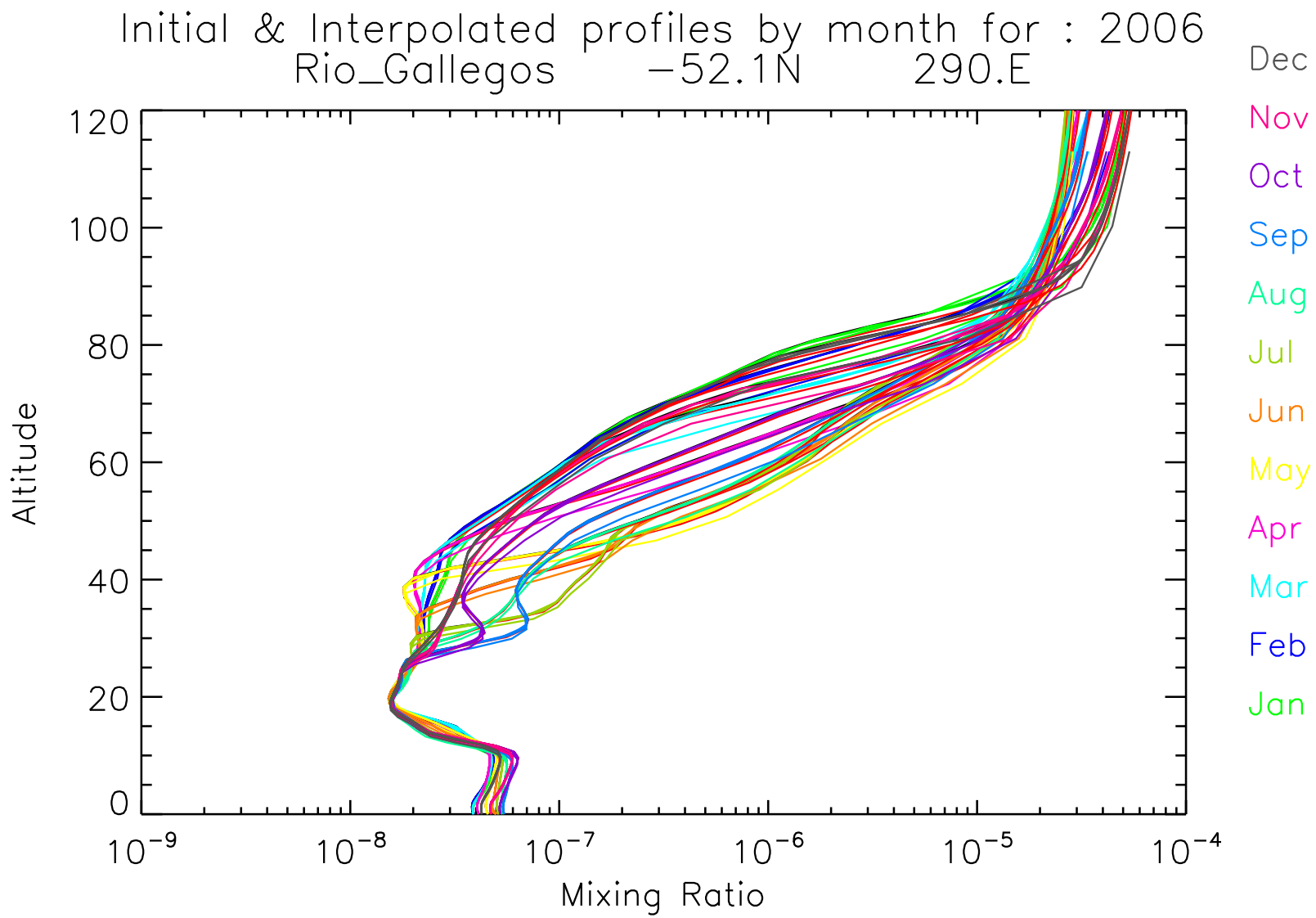
Initial & Interpolated profiles by month for : 2006
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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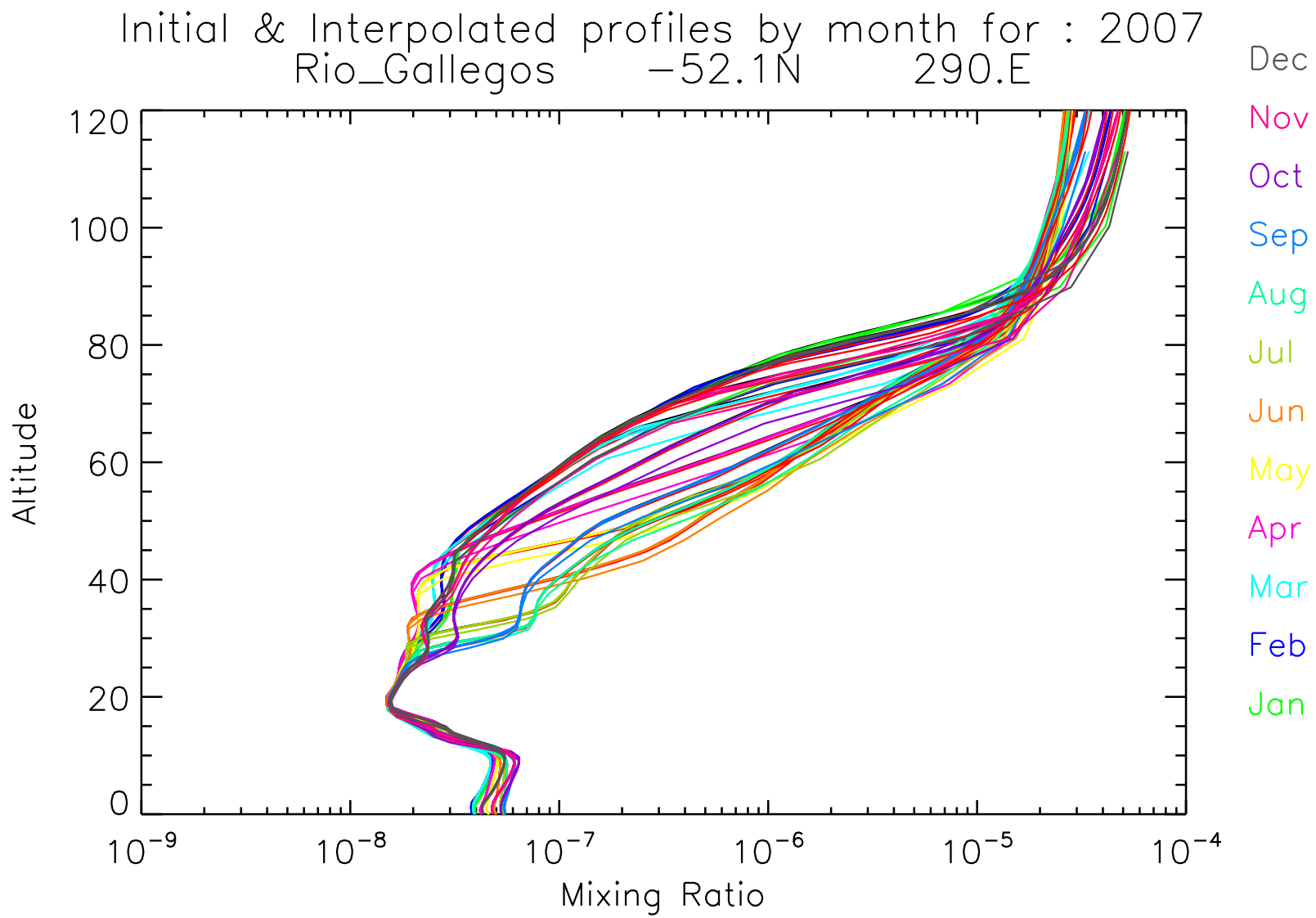
Initial & Interpolated profiles by month for : 2007
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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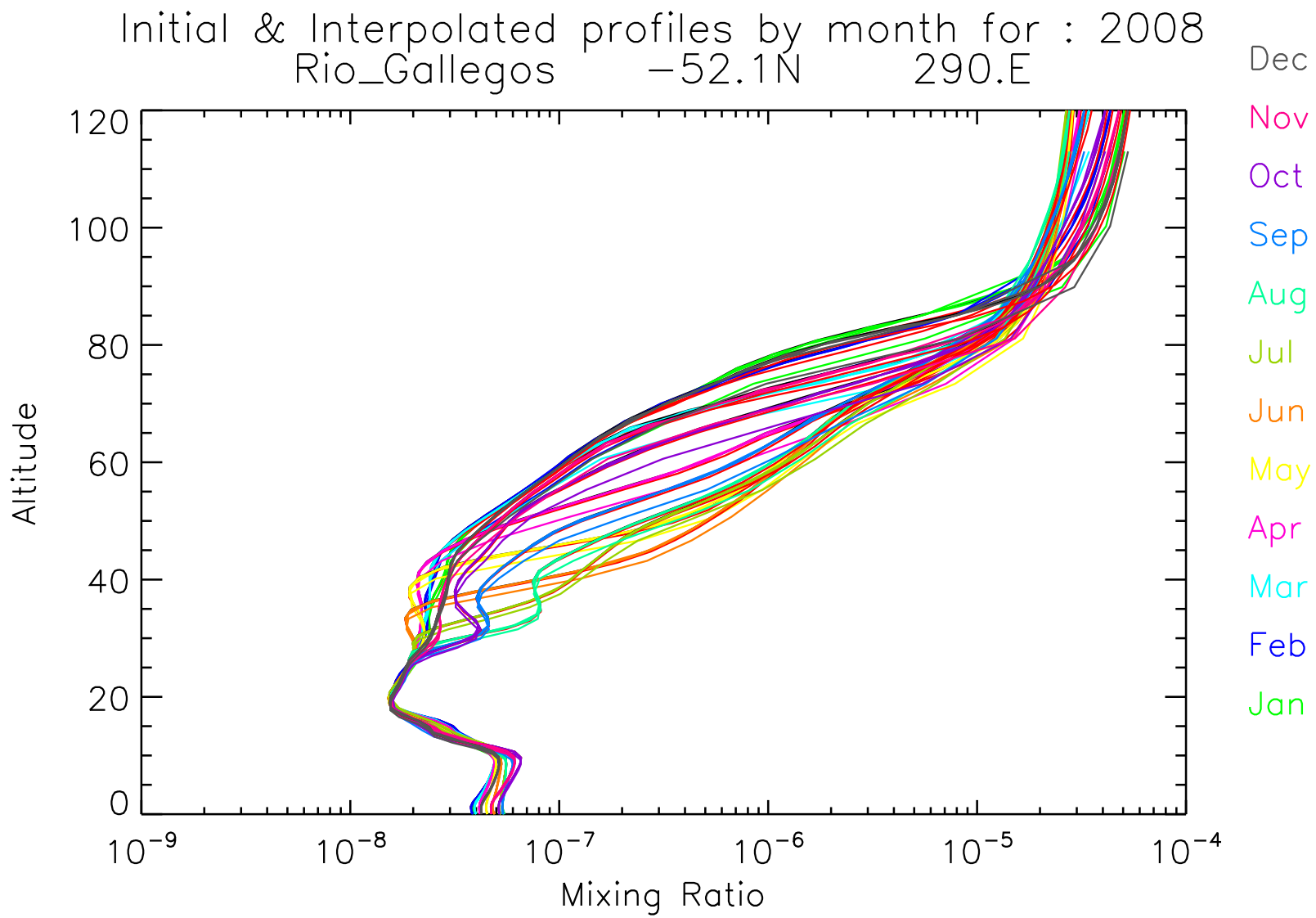
Initial & Interpolated profiles by month for : 2008
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Altitude
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Mixing Ratio
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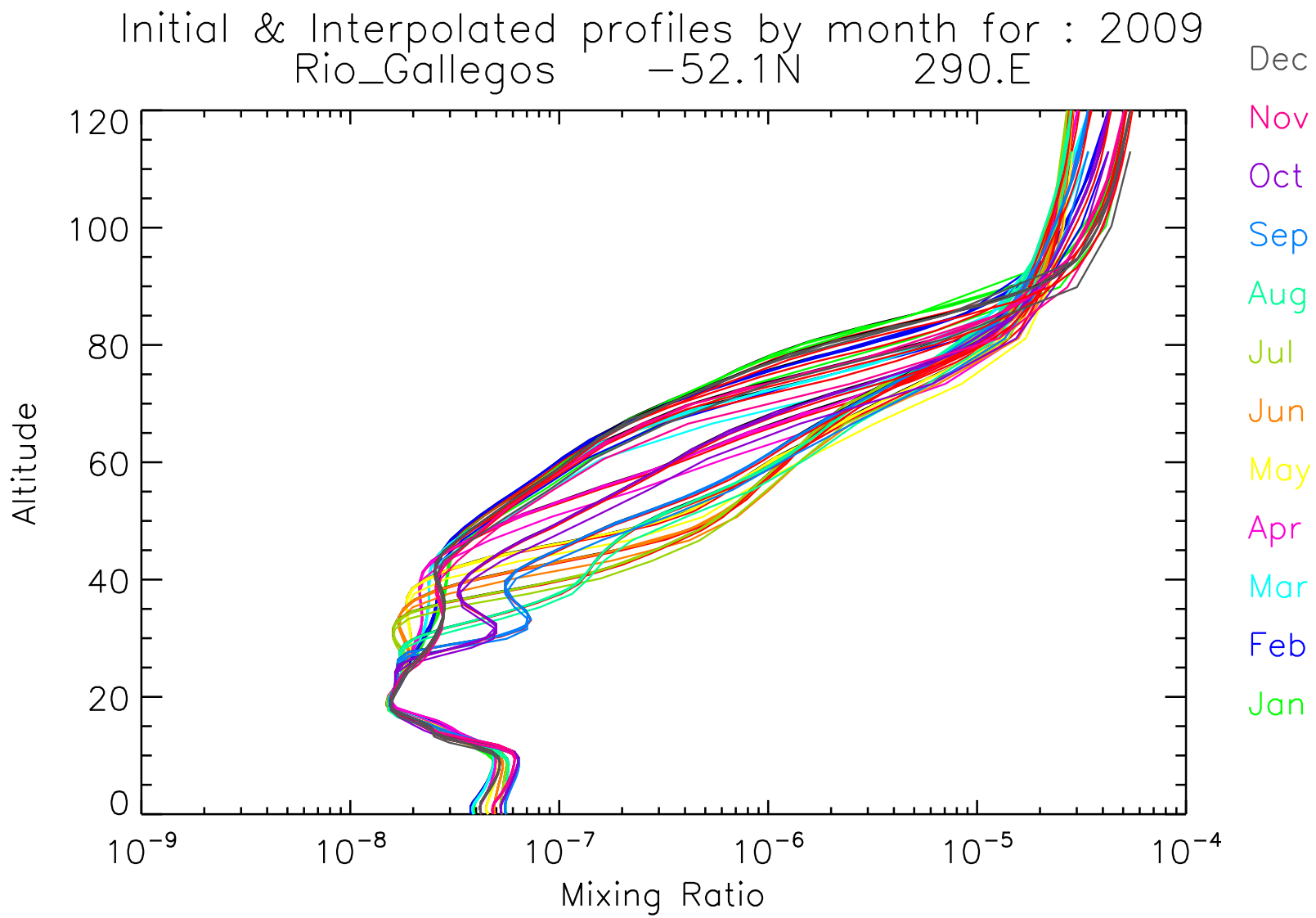
Initial & Interpolated profiles by month for : 2009
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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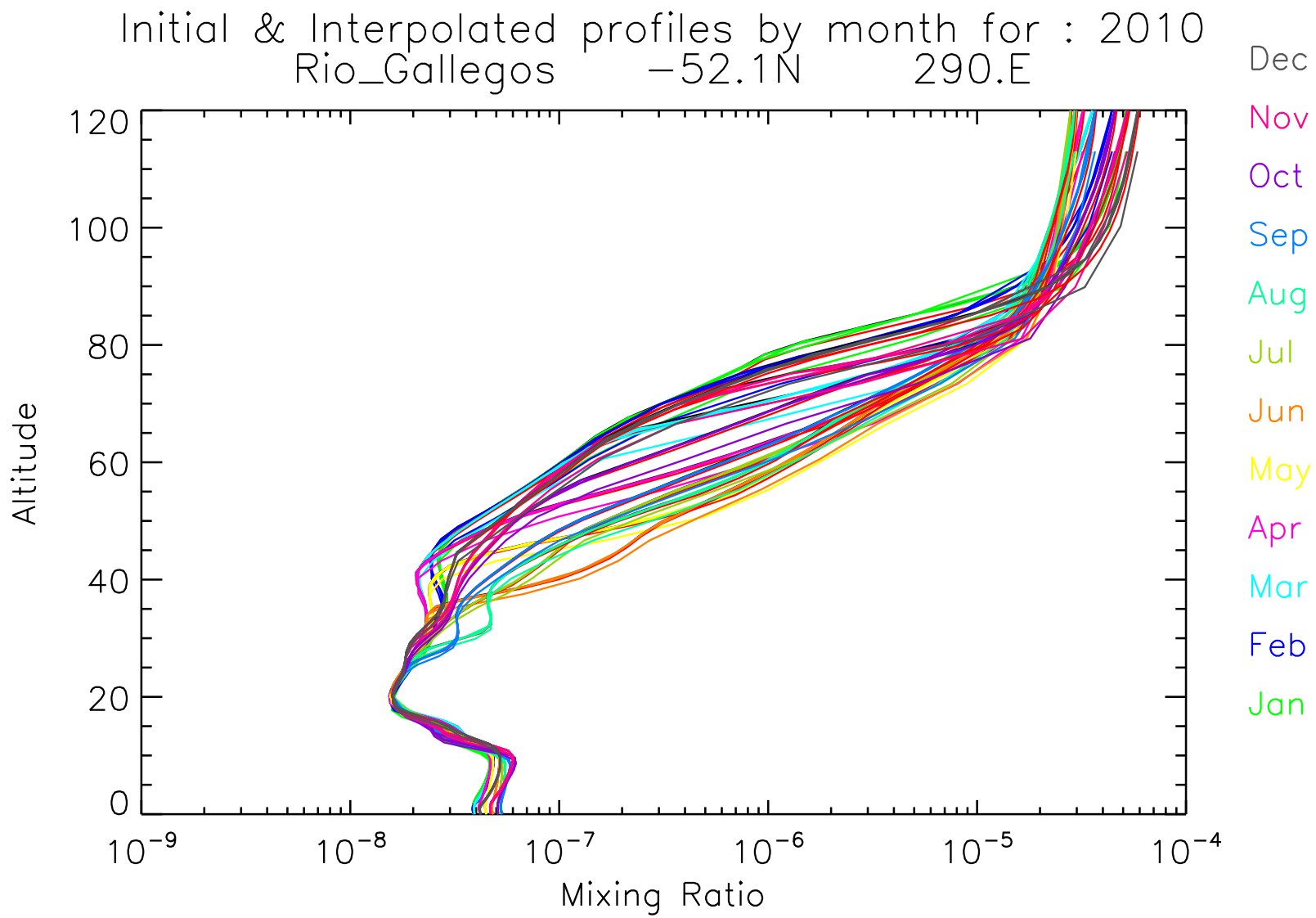
Initial & Interpolated profiles by month for : 2010
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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Feb
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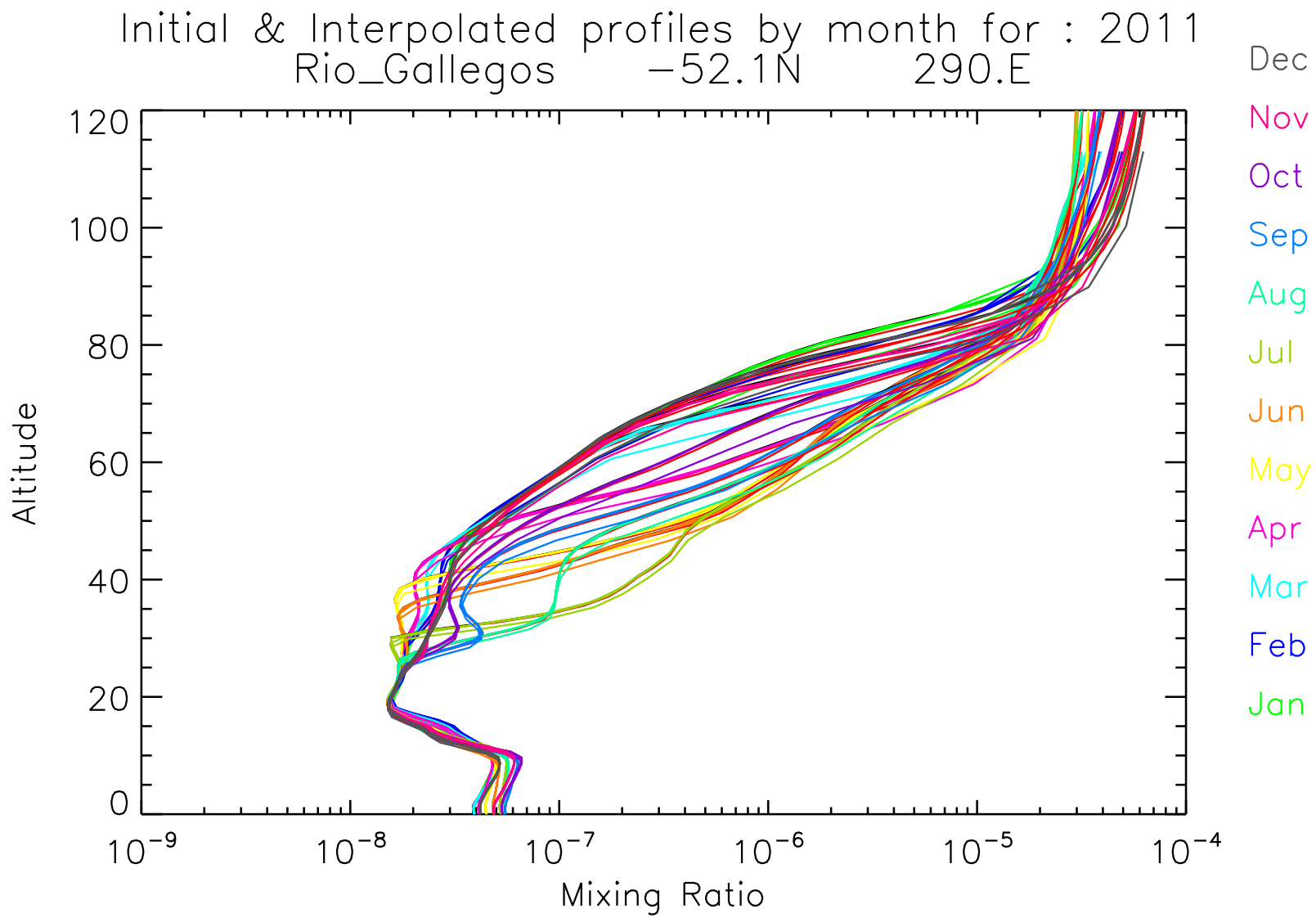
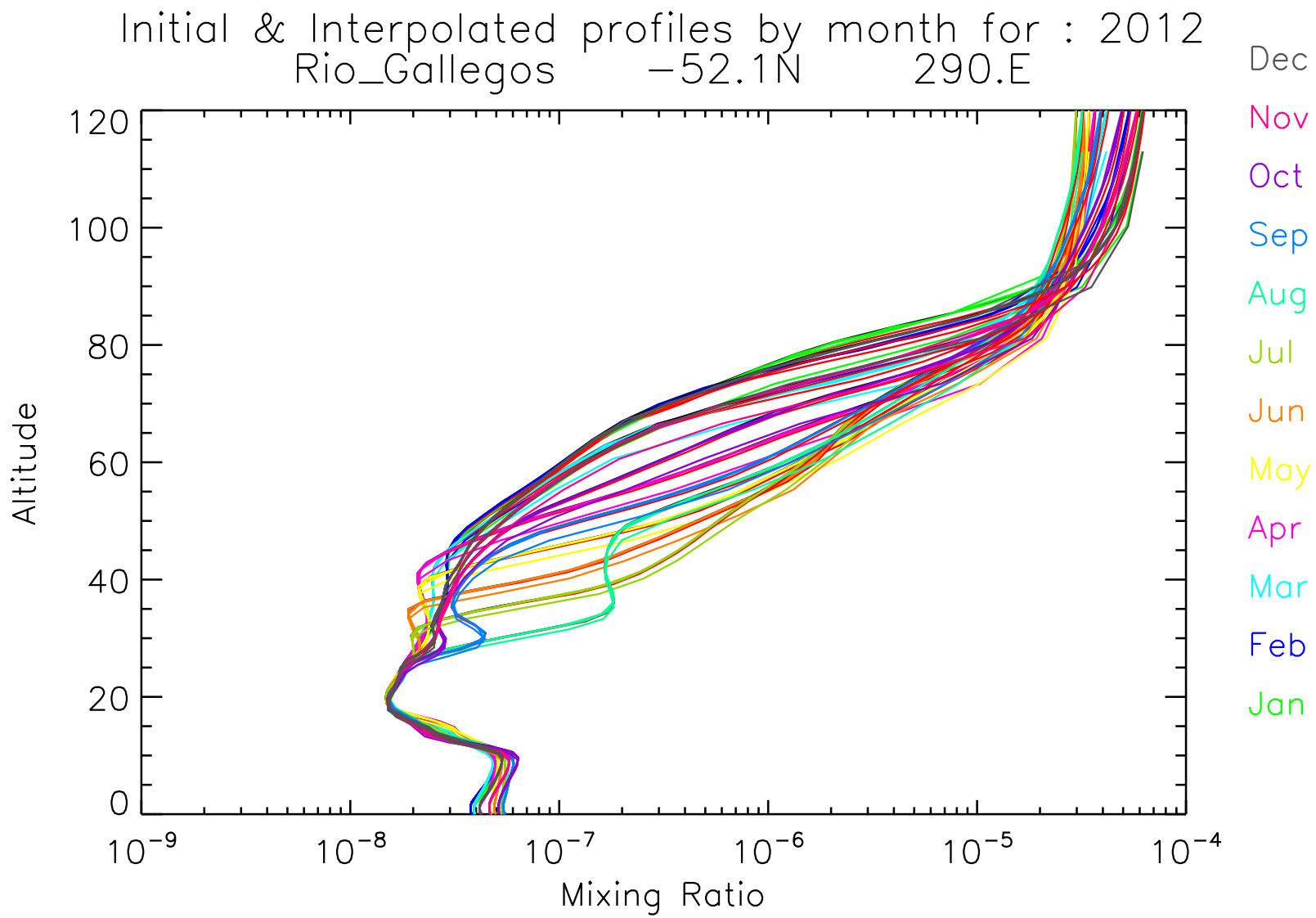
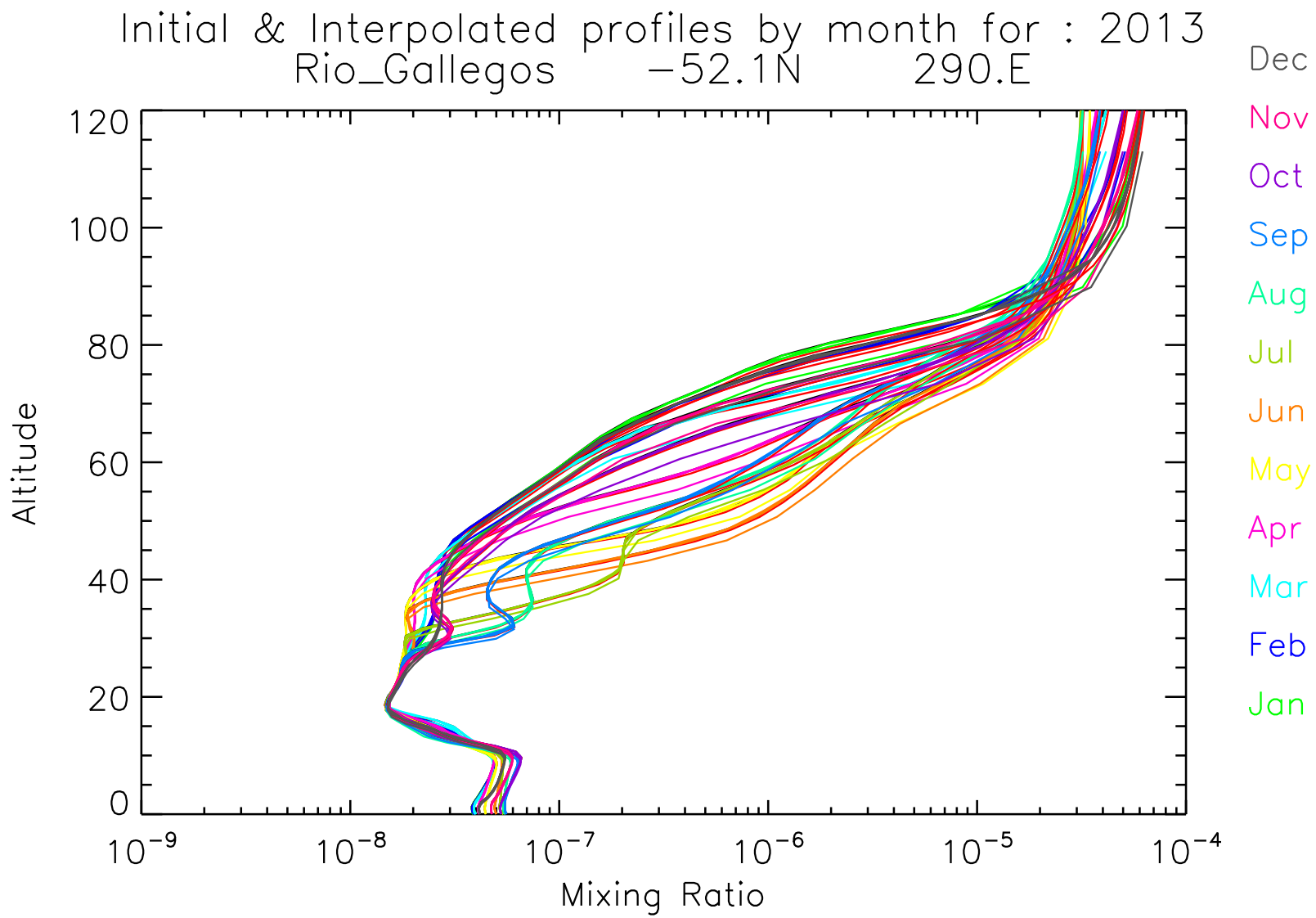
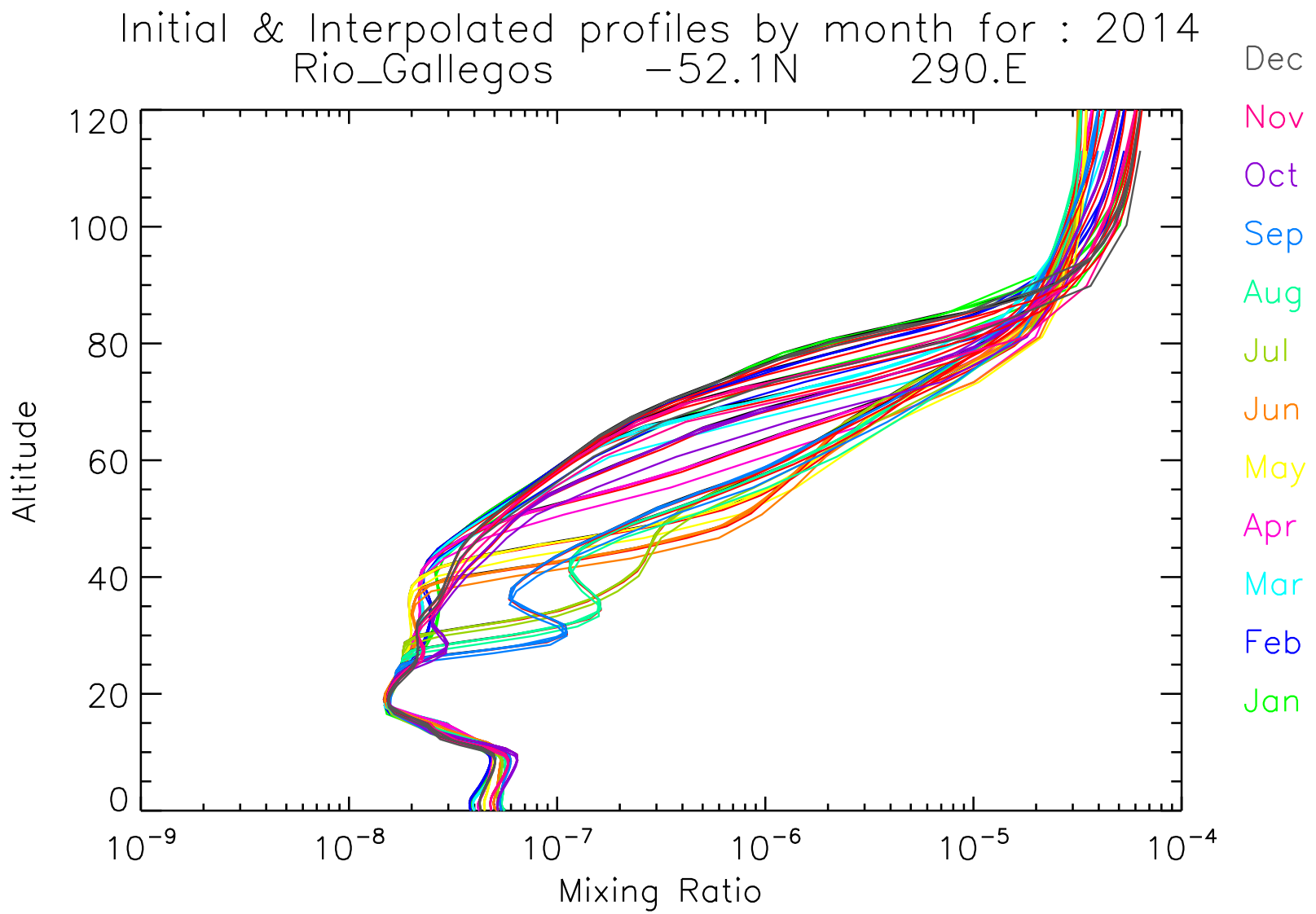
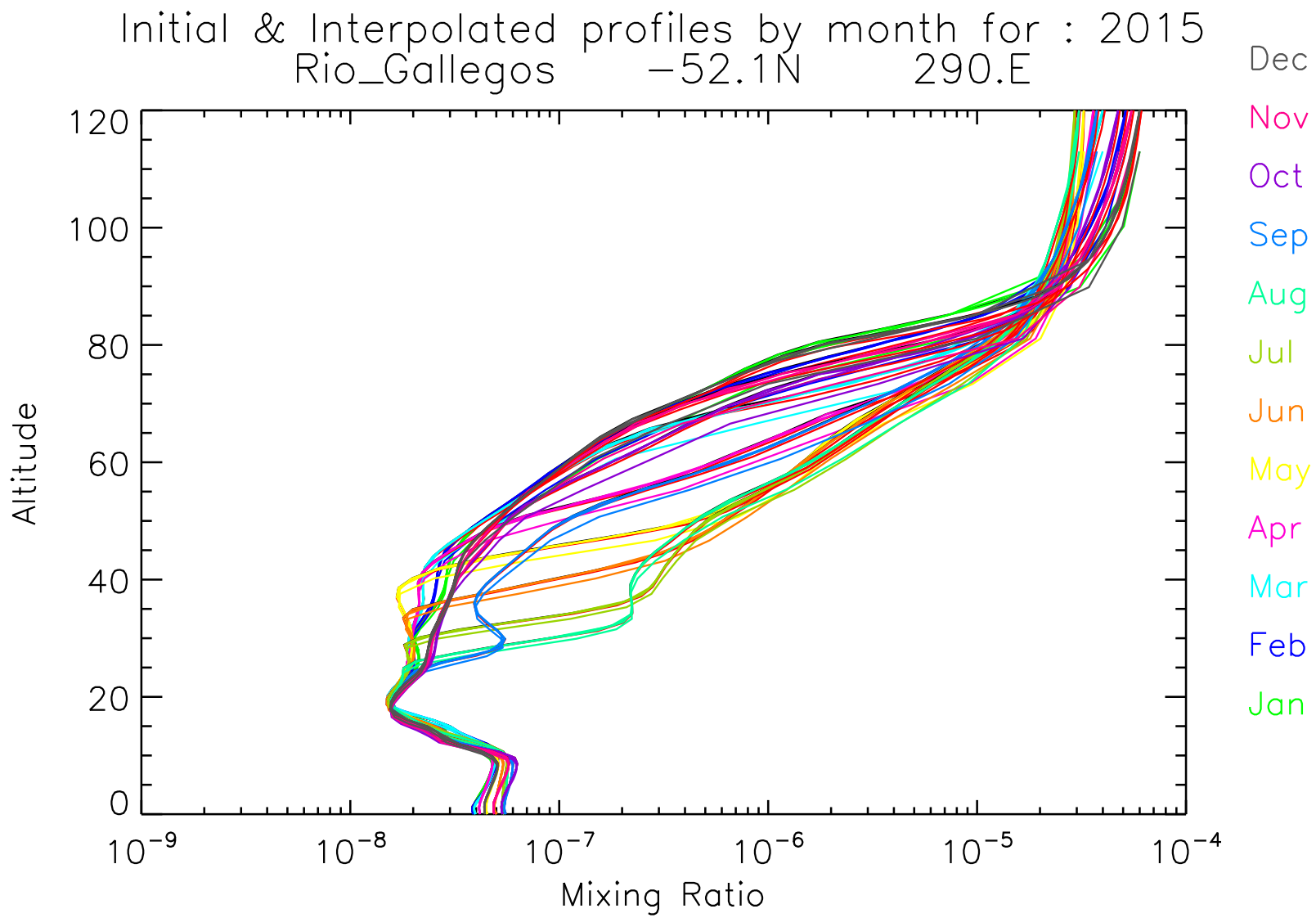
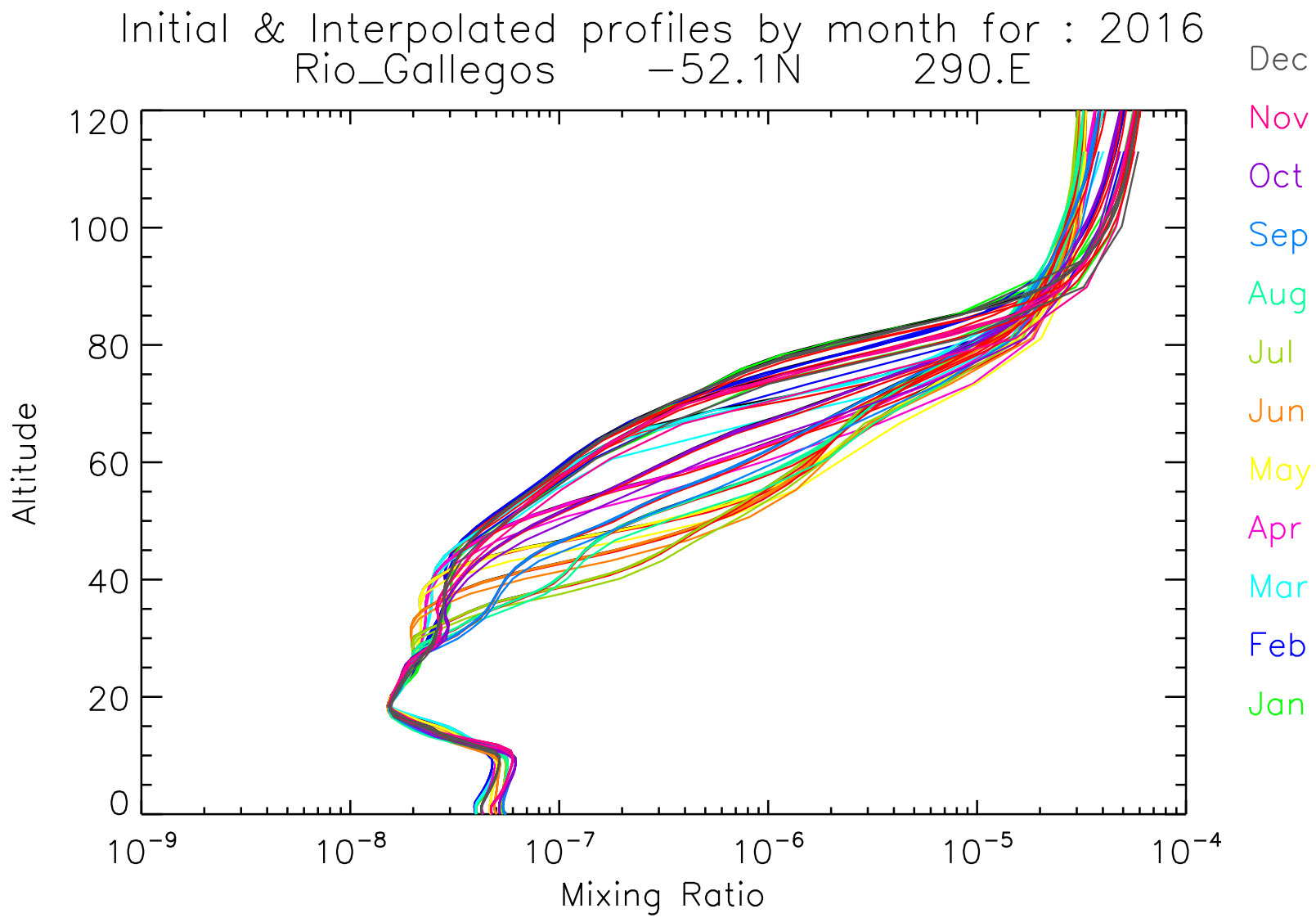

Initial & Interpolated profiles by month for : 2011
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

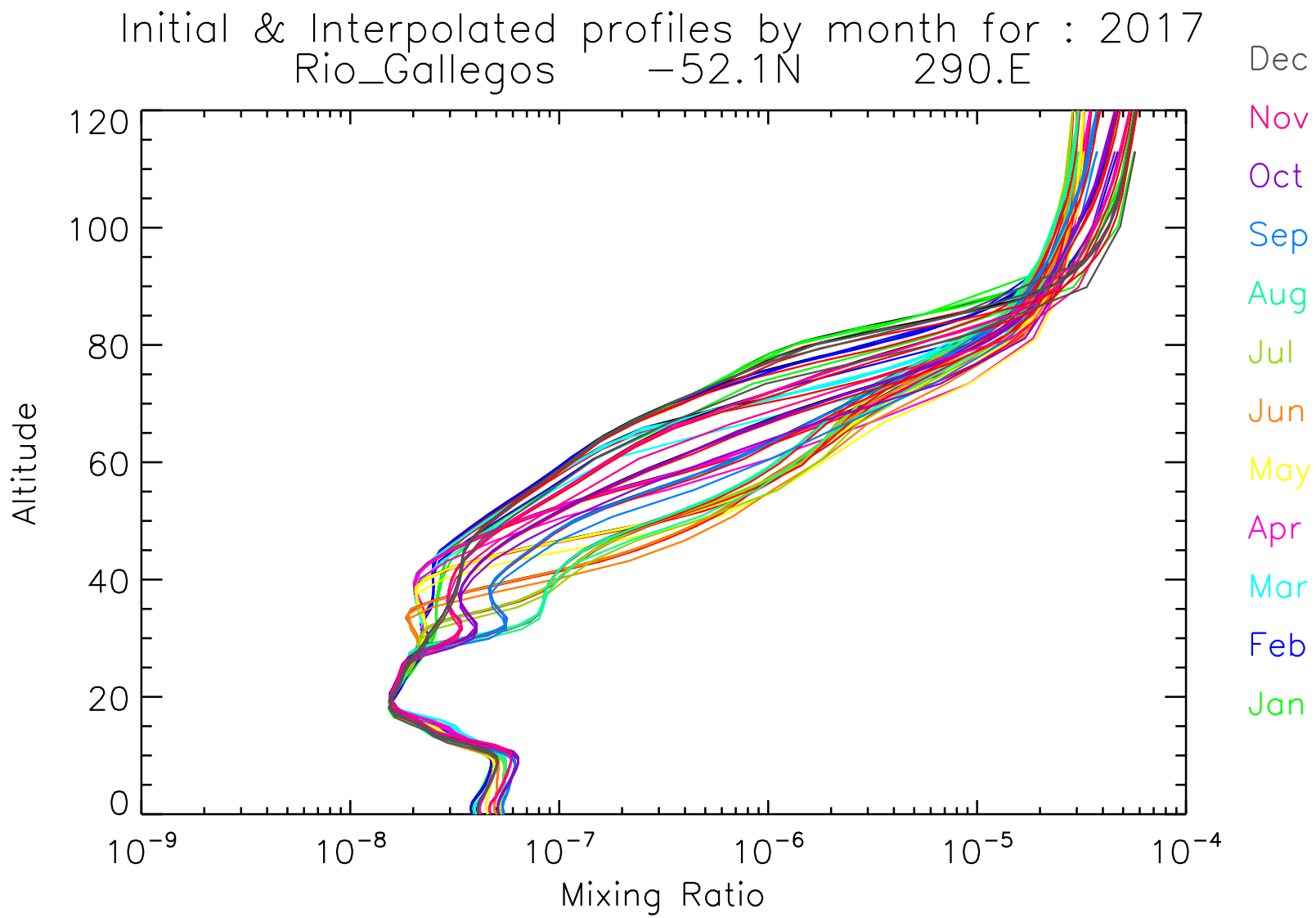

Initial & Interpolated profiles by month for : 2012
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

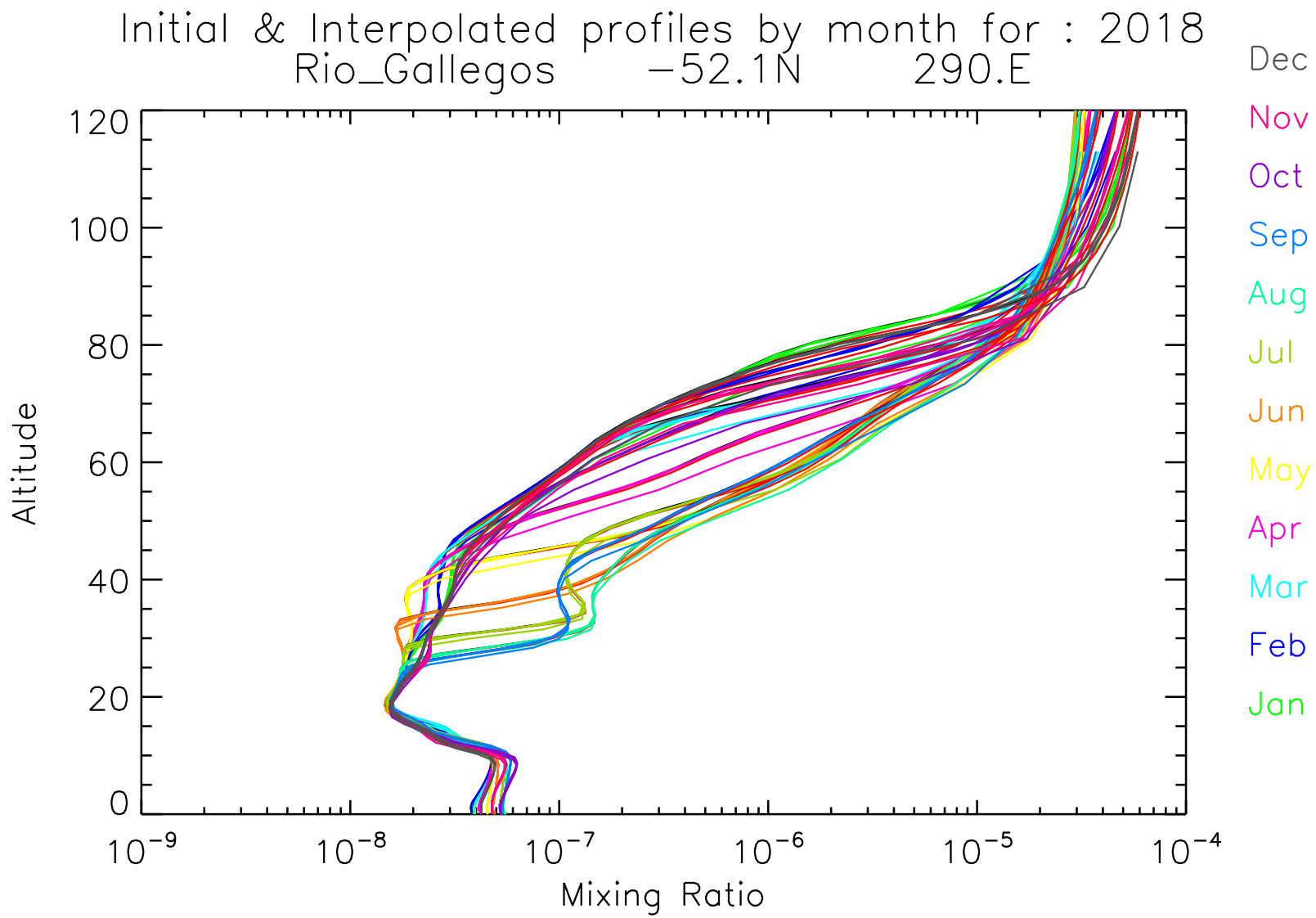

Initial & Interpolated profiles by month for : 2013
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

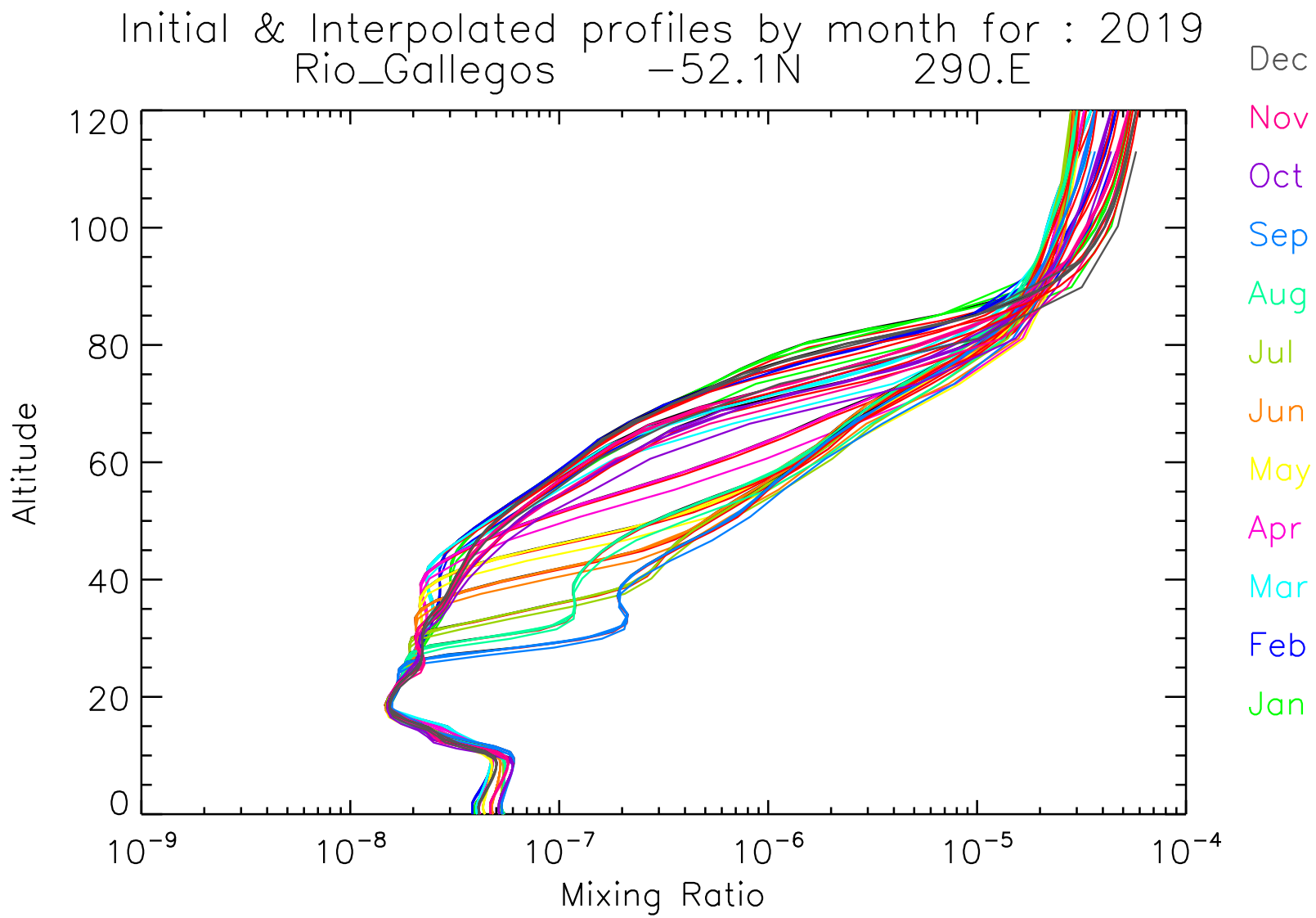

Initial & Interpolated profiles by month for : 2014
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

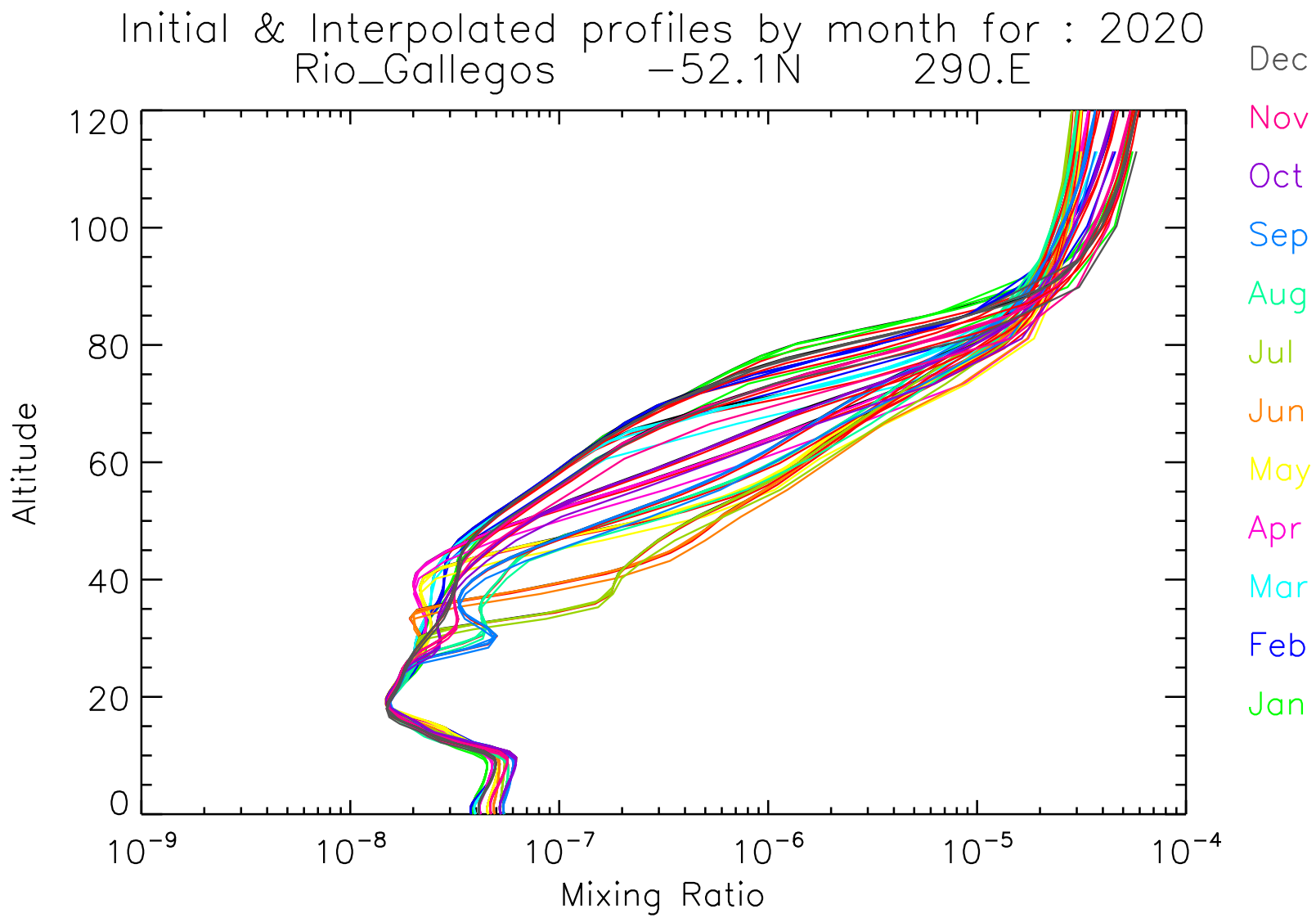

Initial & Interpolated profiles by month for : 2015
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

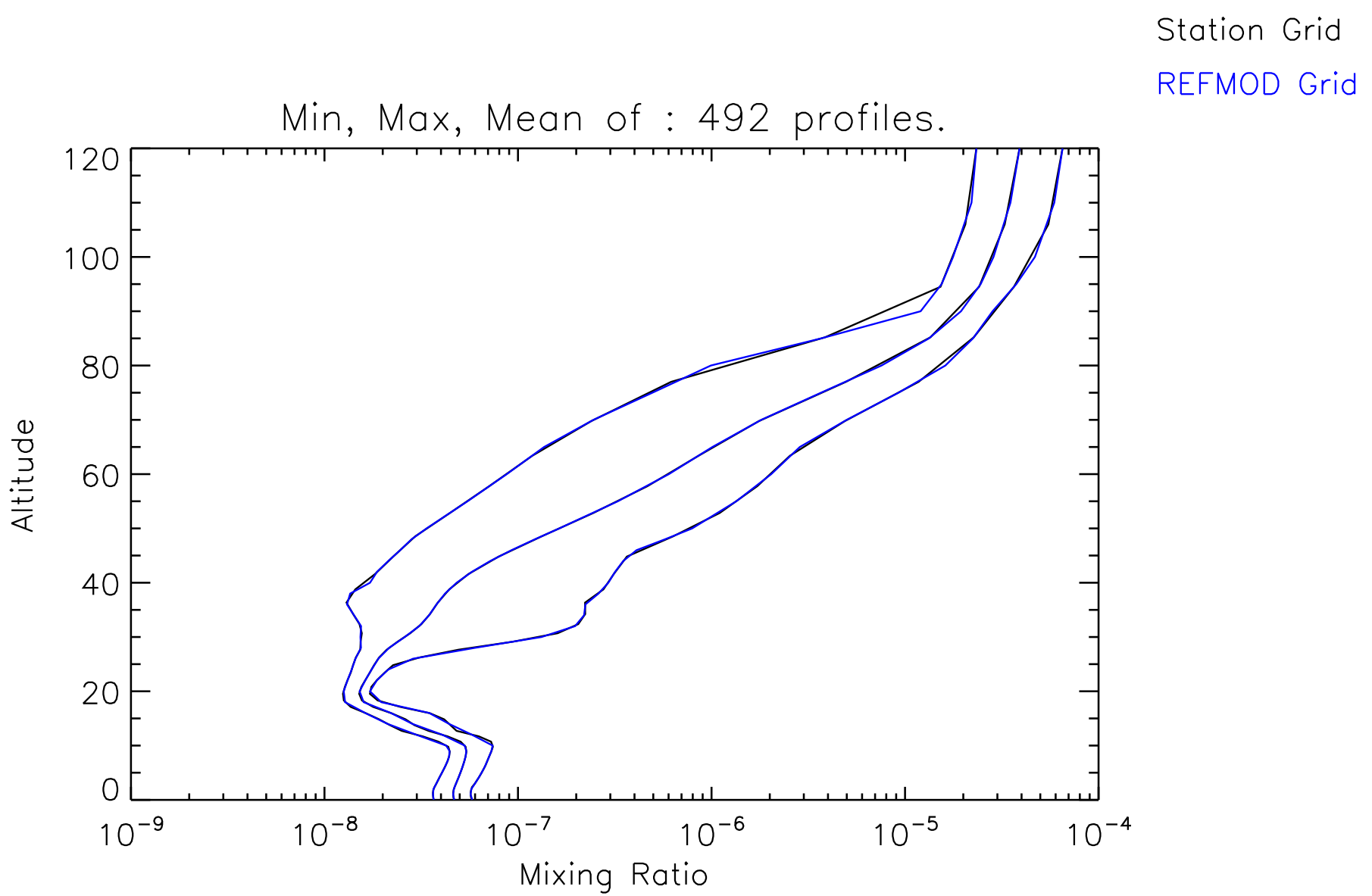

Initial & Interpolated profiles by month for : 2016
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

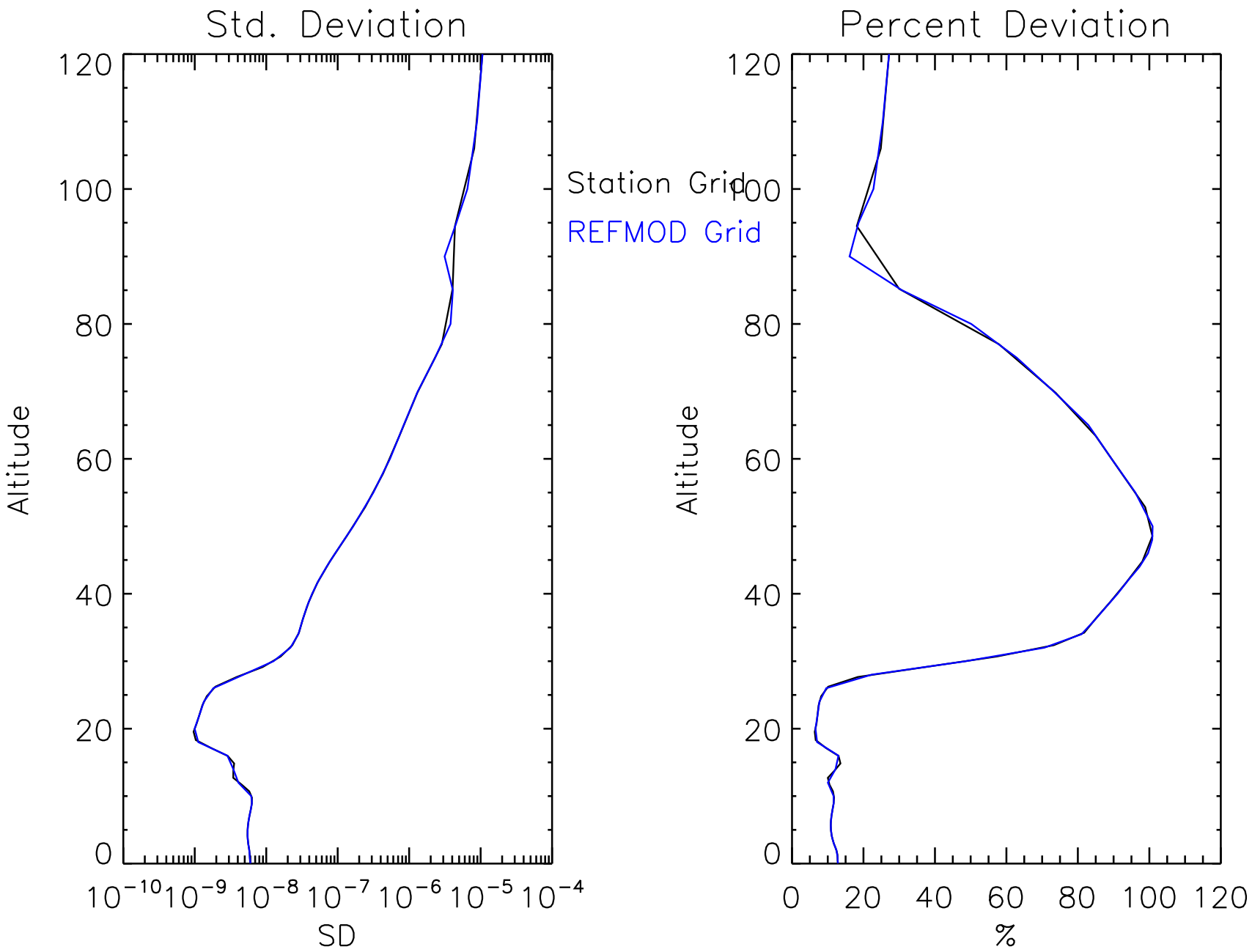

Initial & Interpolated profiles by month for : 2017
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

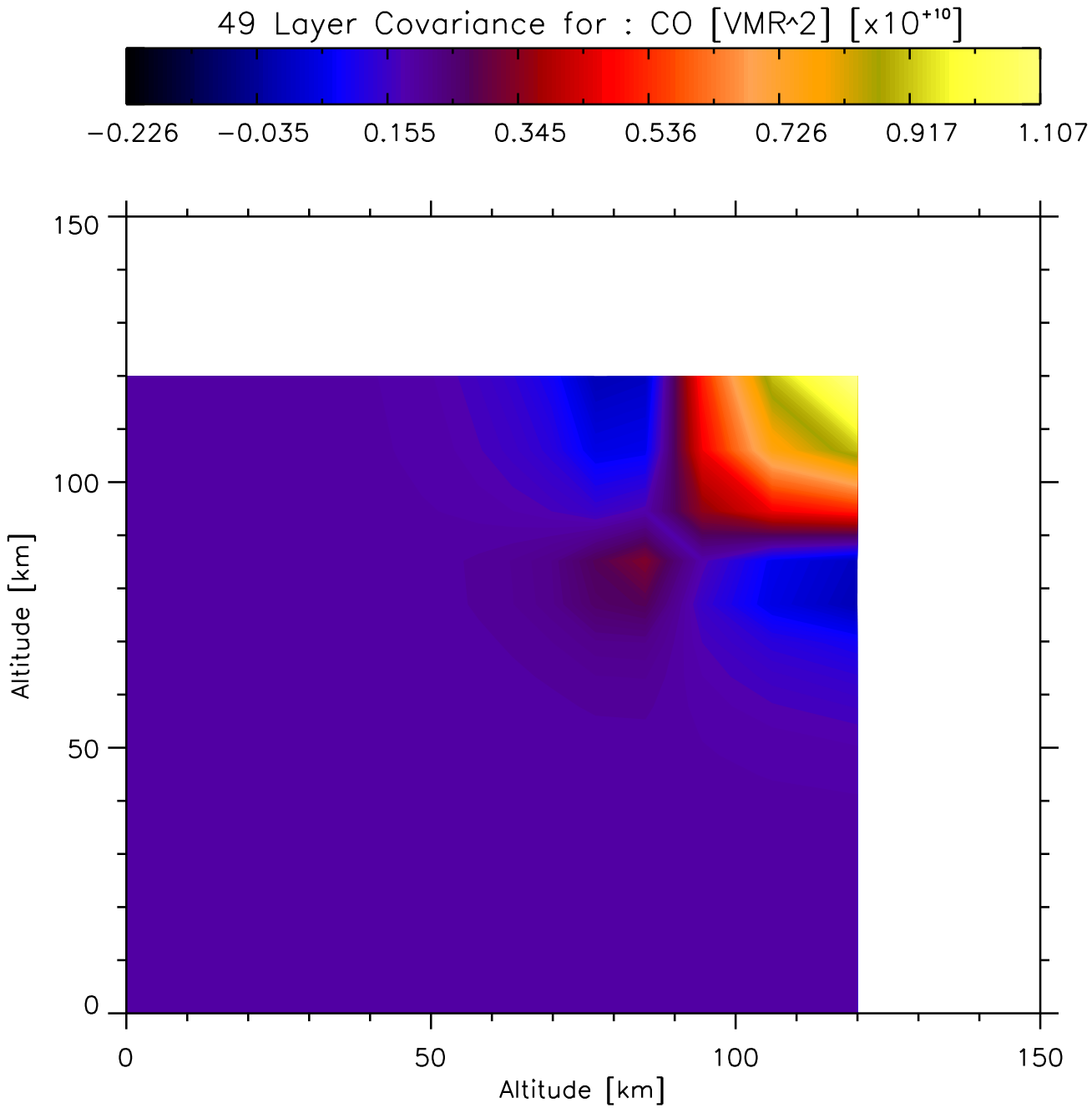

Initial & Interpolated profiles by month for : 2018
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

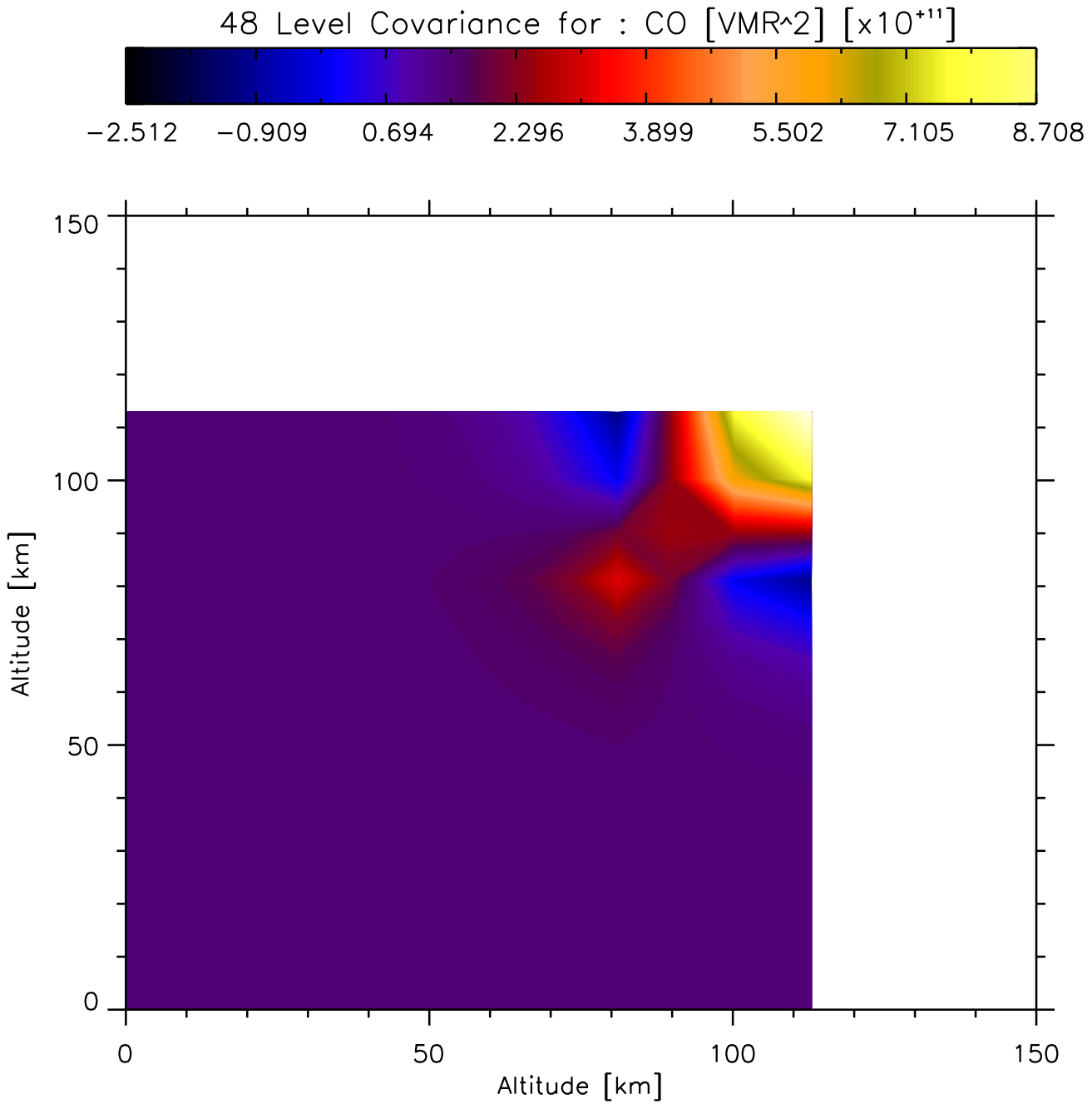

Initial & Interpolated profiles by month for : 2020
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

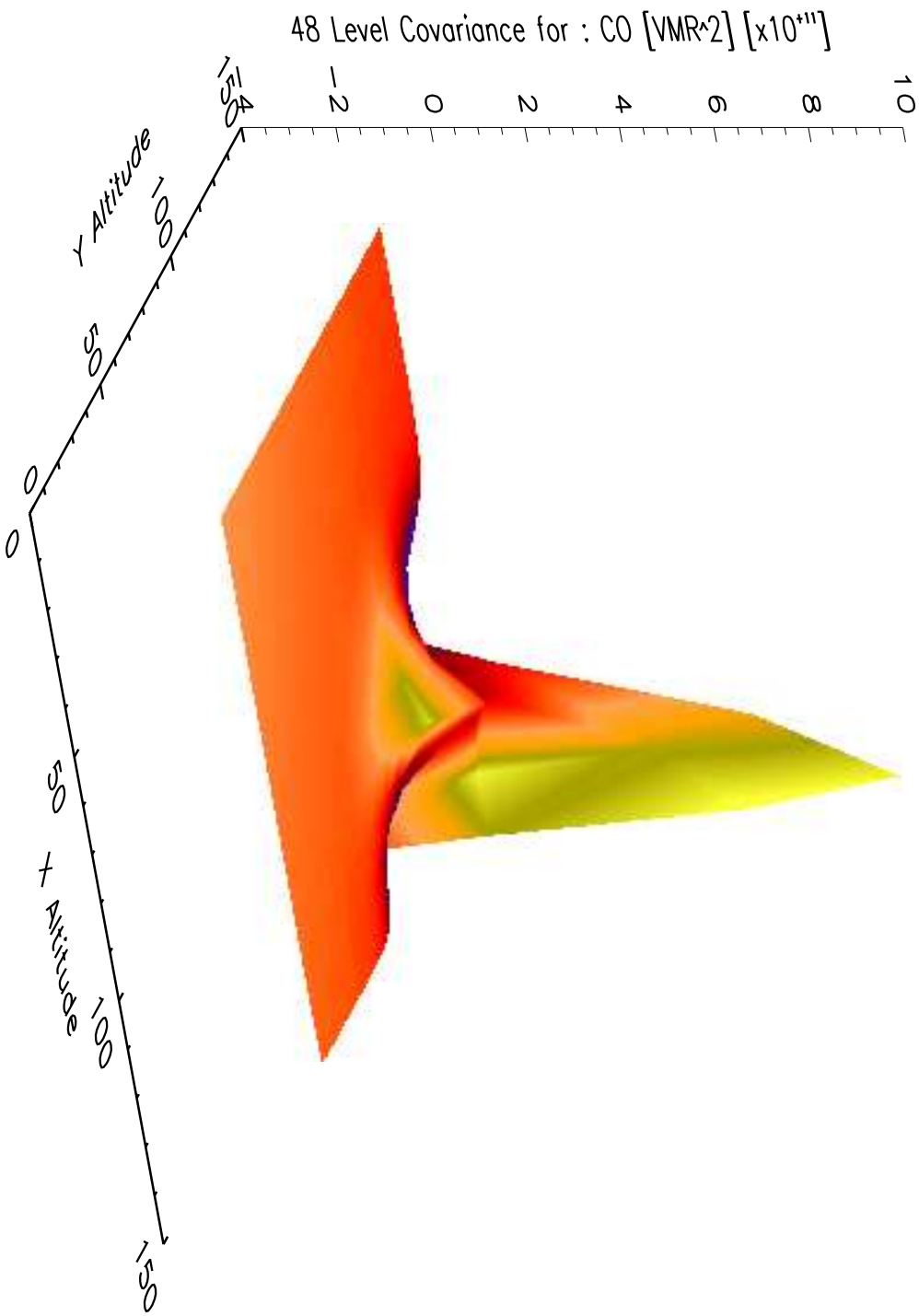

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4}
SD
0 20 40 60 80 100 120
%


49 Layer Covariance for : CO [VMR^2] [x10^+10]
−0.226
−0.035
0.155
0.345
0.536
0.726
0.917
1.107
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : CO [VMR^2] [x10^+10]
X Altitude
Y Altitude
0
50
100
150
0
30
60
90
1.5
1.0
0.5
0.0


48 Level Covariance for : CO [VMR^2] [x10^+11]
−2.512
−0.909
0.694
2.296
3.899
5.502
7.105
8.708
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : CO [VMR^2] [x10^+11]
-4
-2
0
2
4
6
8
10
Y Altitude
150
100
50
0
X Altitude
0
50
100
150