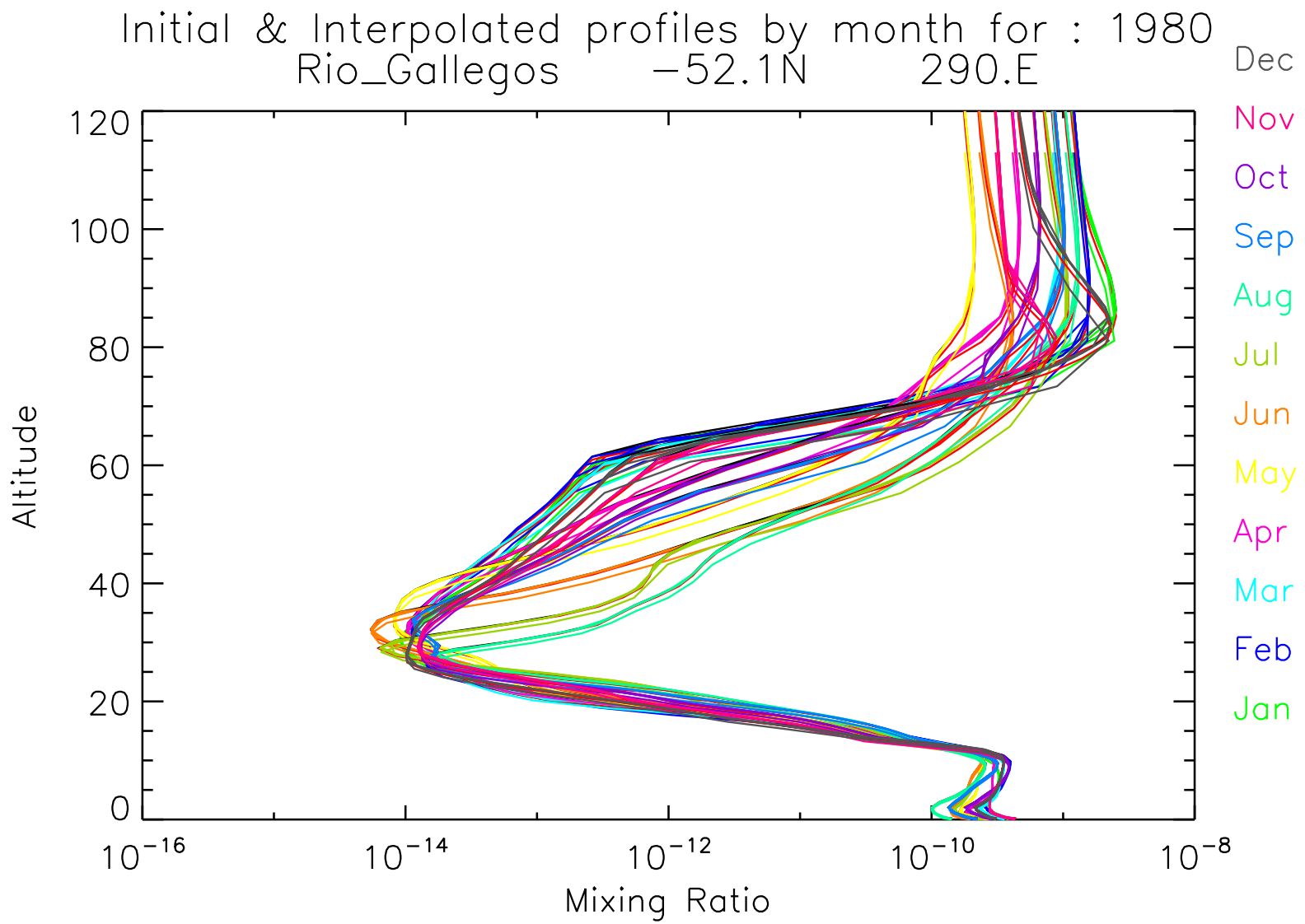
Initial & Interpolated profiles by month for : 1980
Rio_Gallegos −52.1N 290.E
Altitude
120
100
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10^{-16}
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Mixing Ratio
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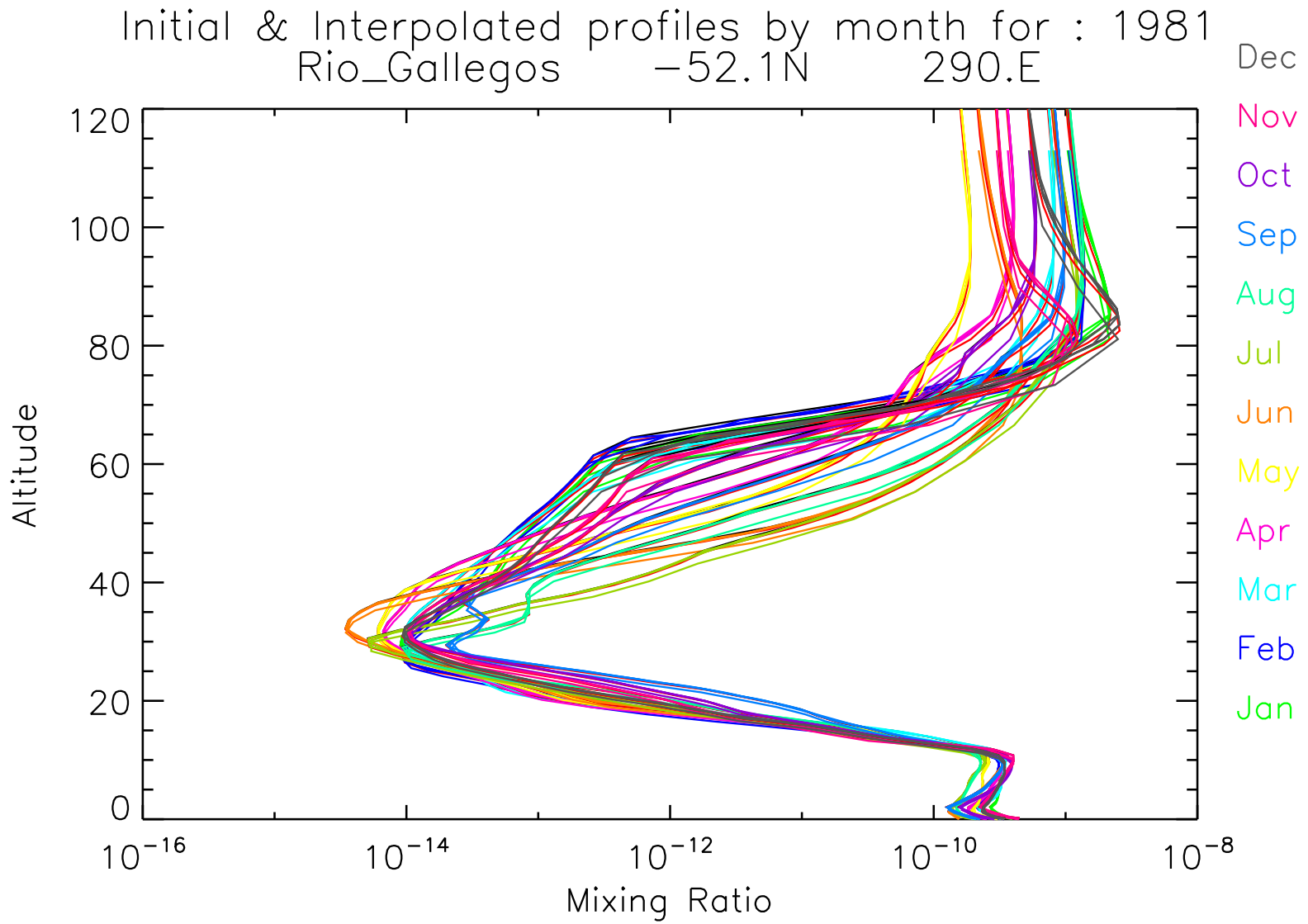
Initial & Interpolated profiles by month for : 1981
Rio_Gallegos −52.1N 290.E
Altitude
120
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40
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0
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Mixing Ratio
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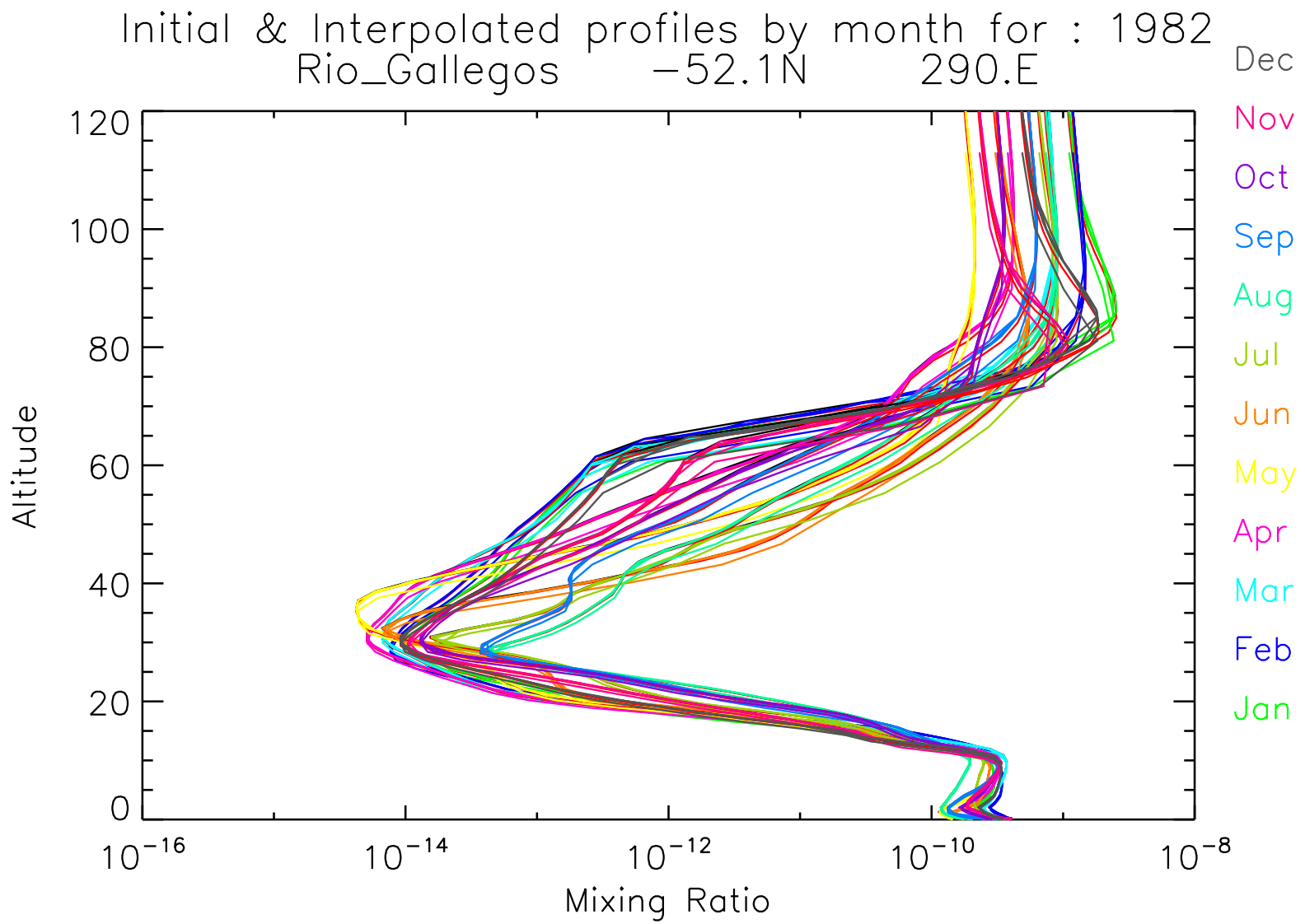
Initial & Interpolated profiles by month for : 1982
Rio_Gallegos −52.1N 290.E
Altitude
120
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10^{-16}
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Mixing Ratio
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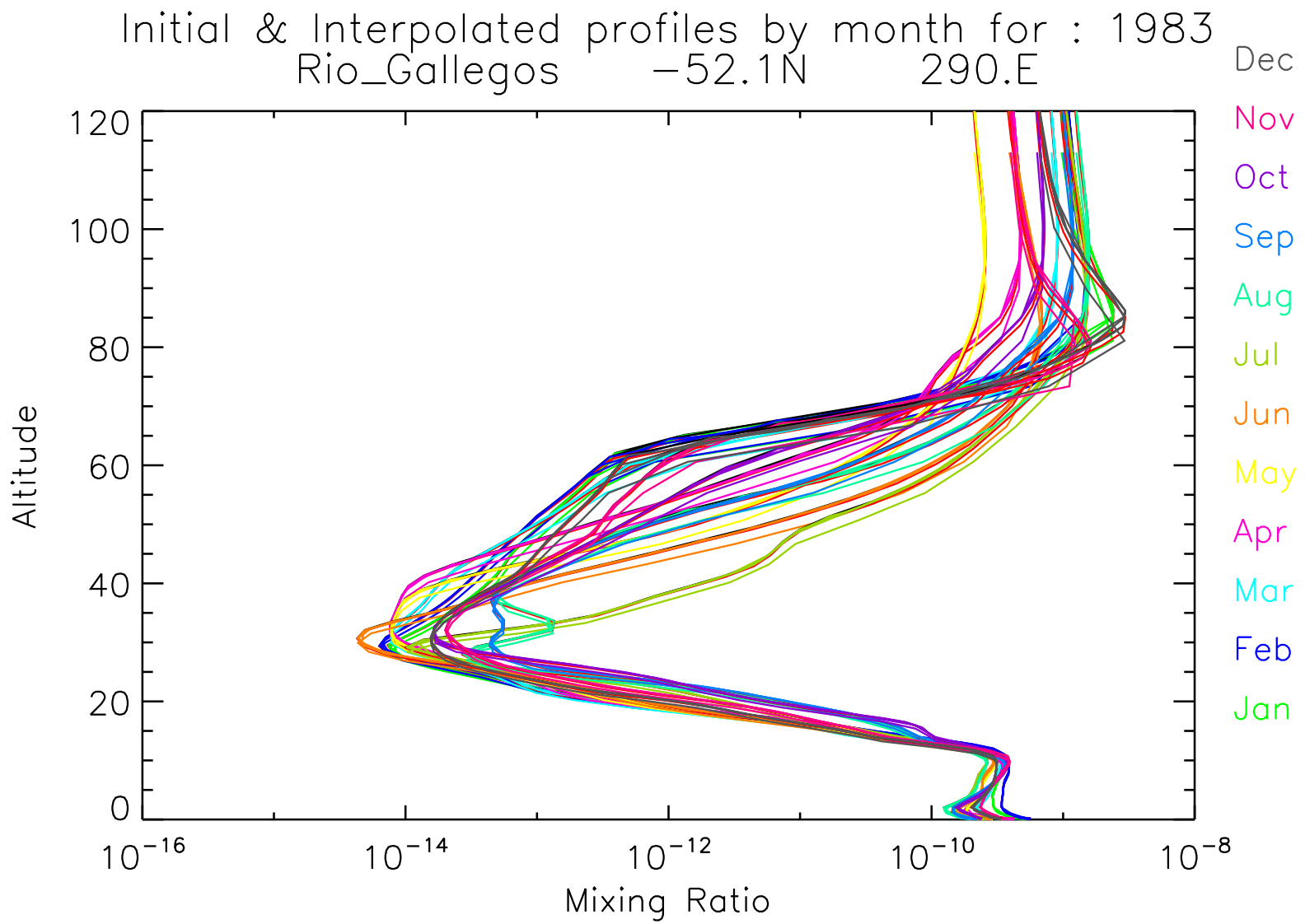
Initial & Interpolated profiles by month for : 1983
Rio_Gallegos −52.1N 290.E
Dec
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Altitude
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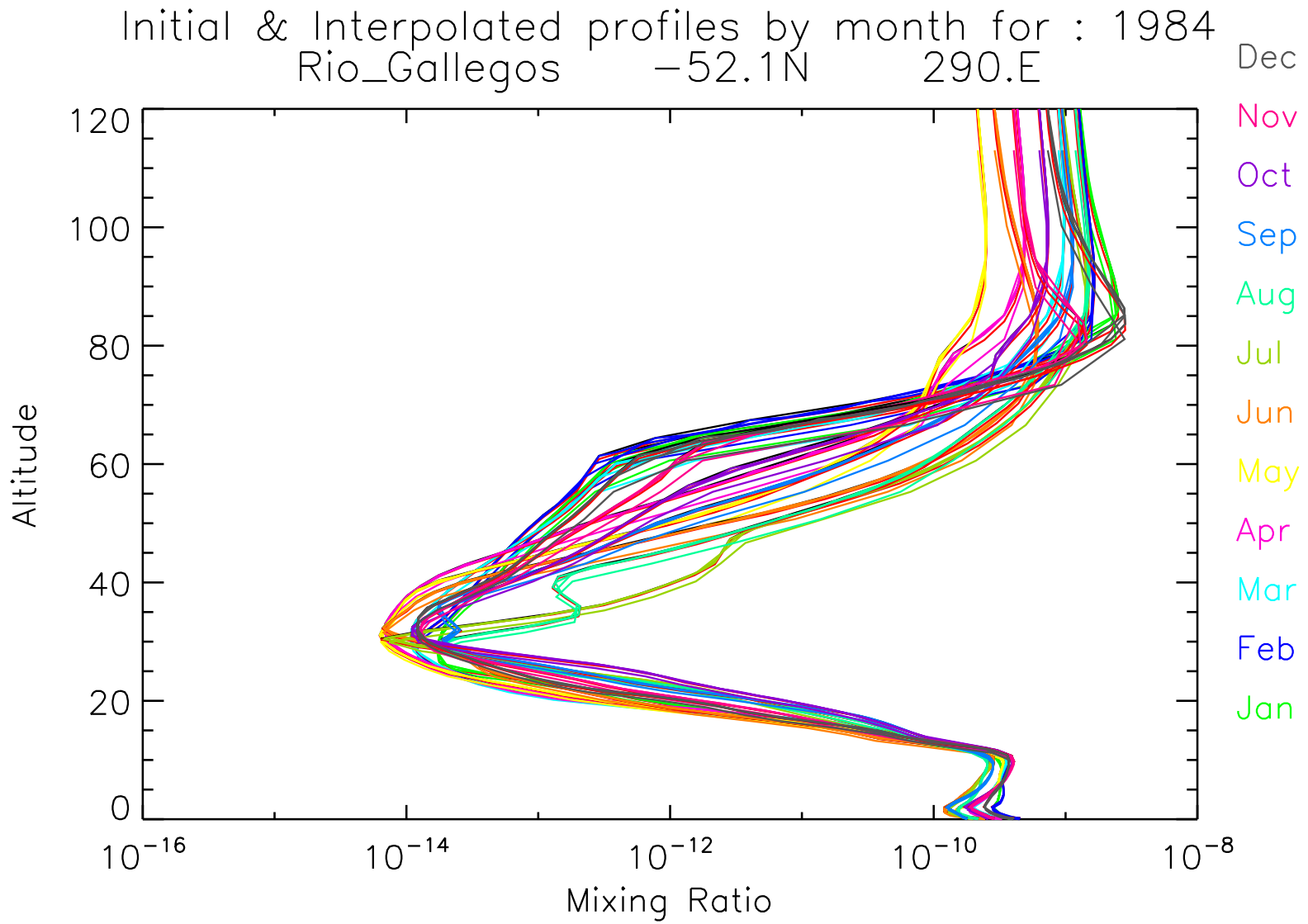
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Rio_Gallegos −52.1N 290.E
Altitude
120
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Mixing Ratio
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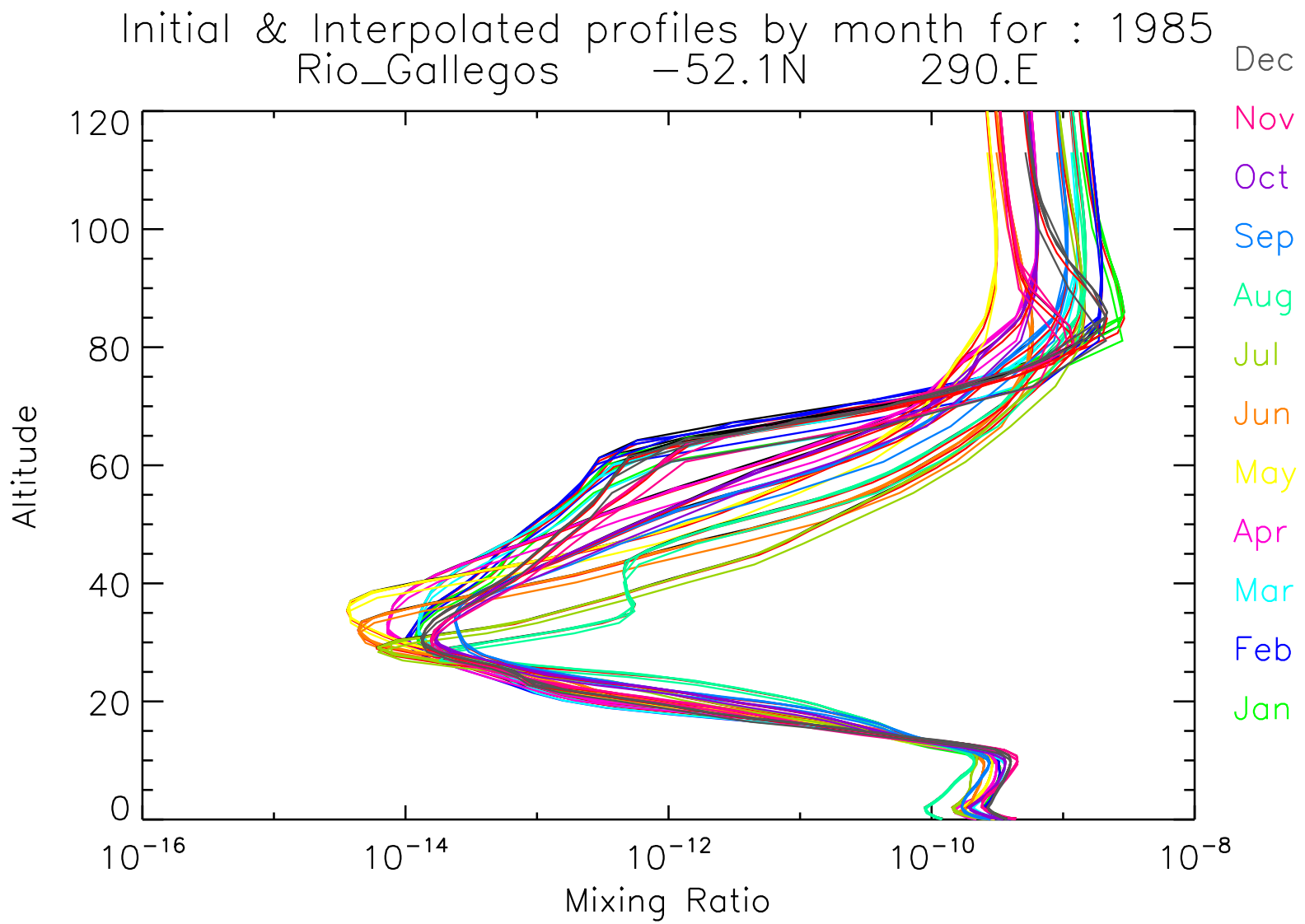
Initial & Interpolated profiles by month for : 1985
Rio_Gallegos −52.1N 290.E
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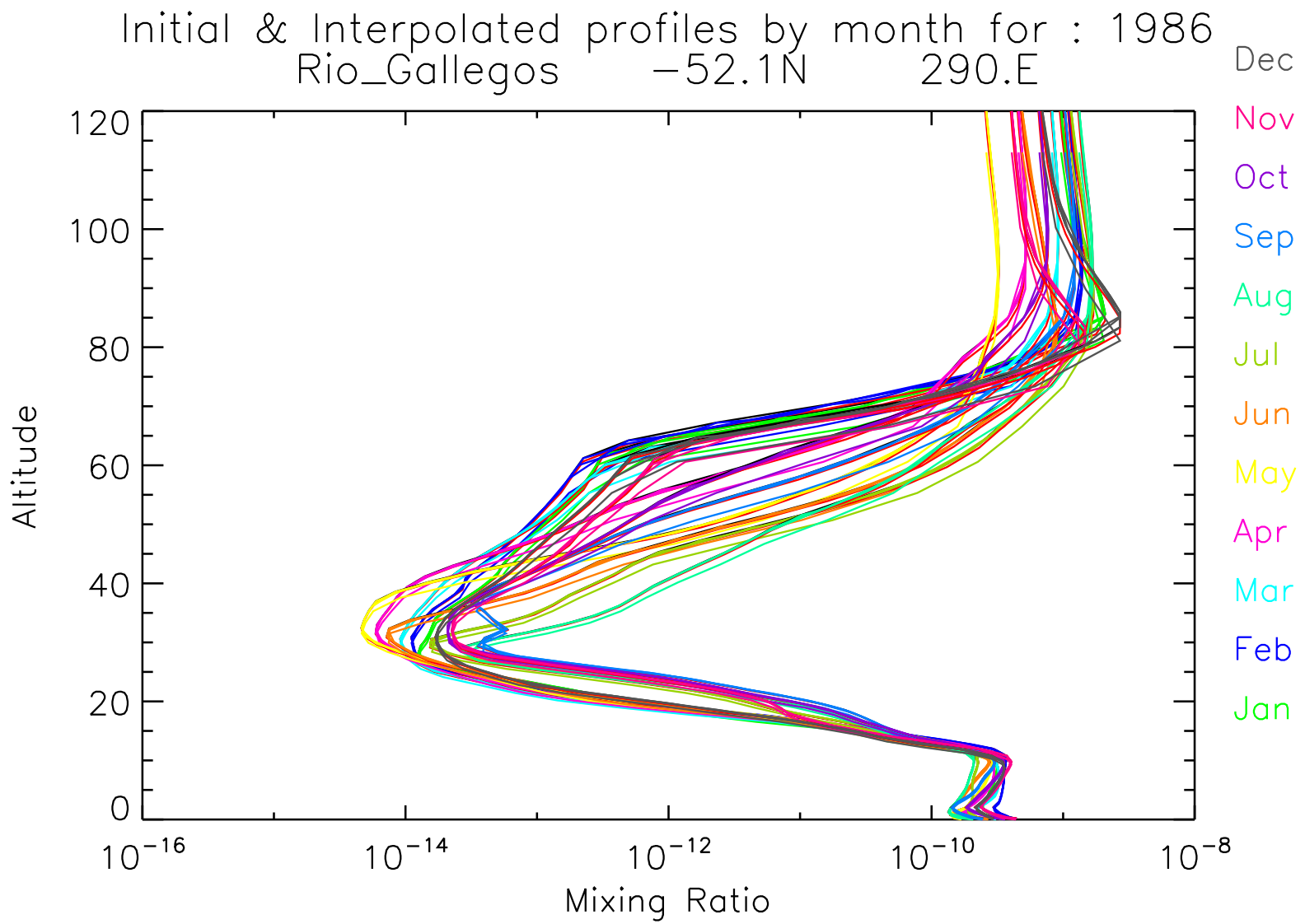
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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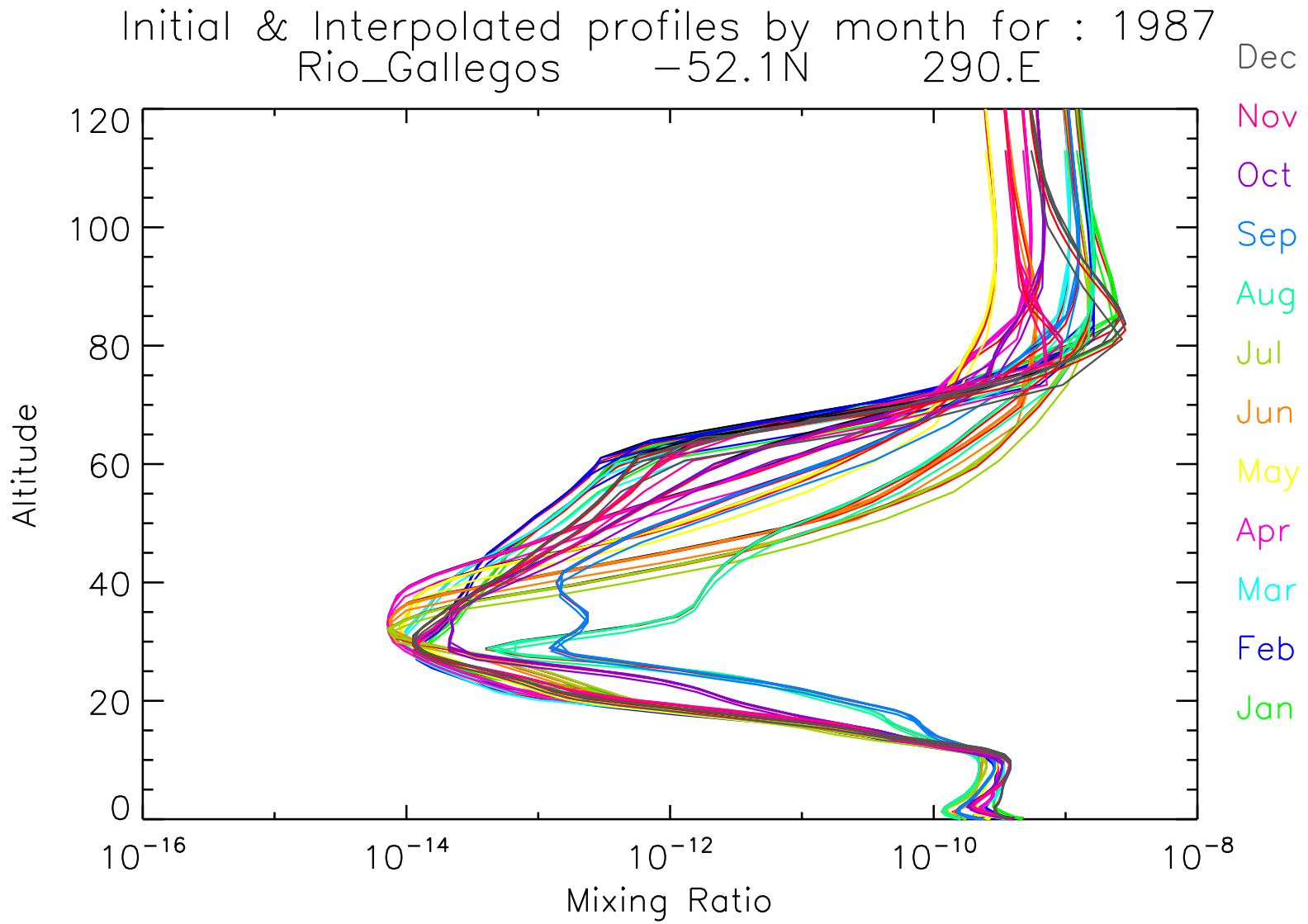
Initial & Interpolated profiles by month for : 1987
Rio_Gallegos −52.1N 290.E
Dec
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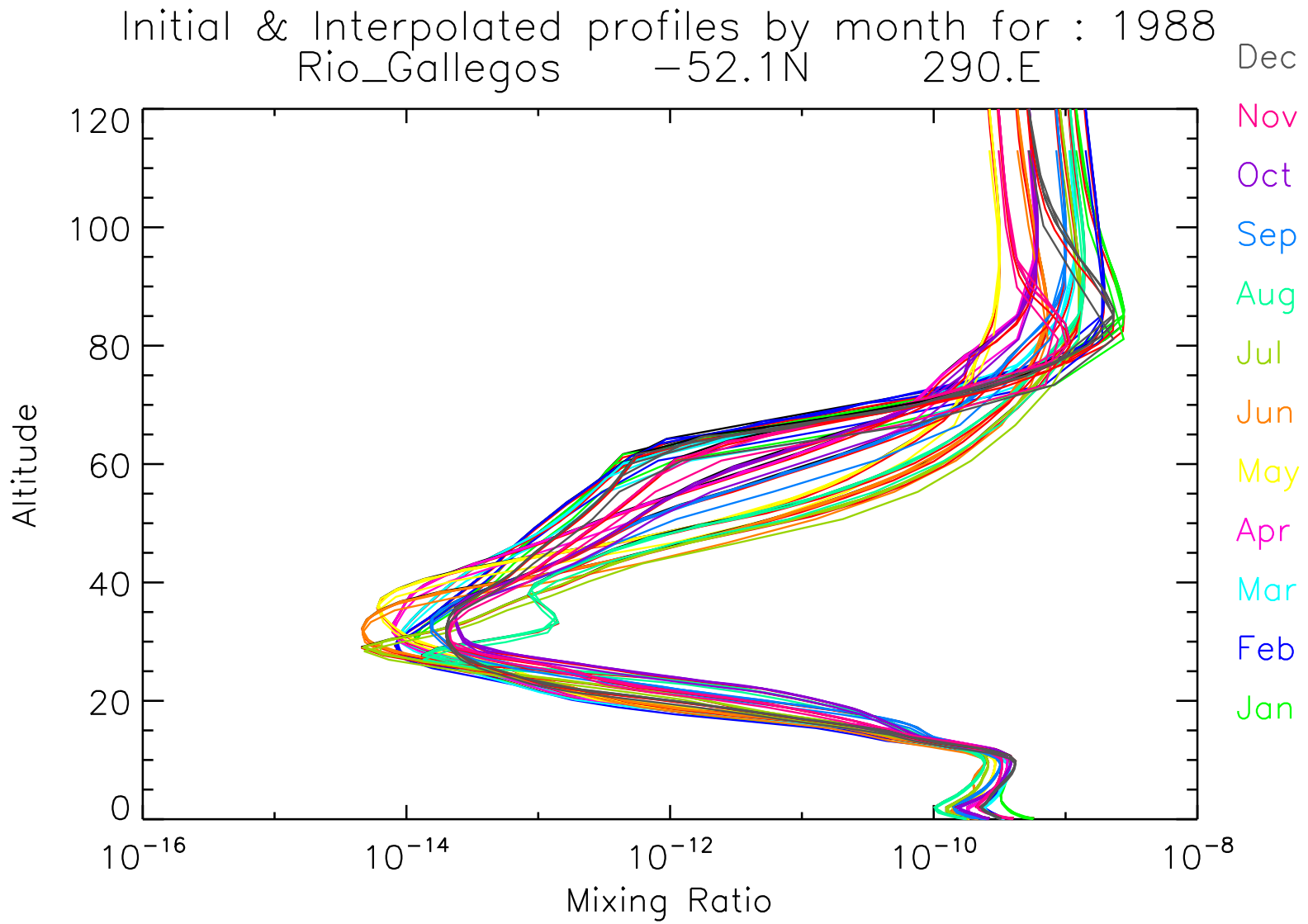
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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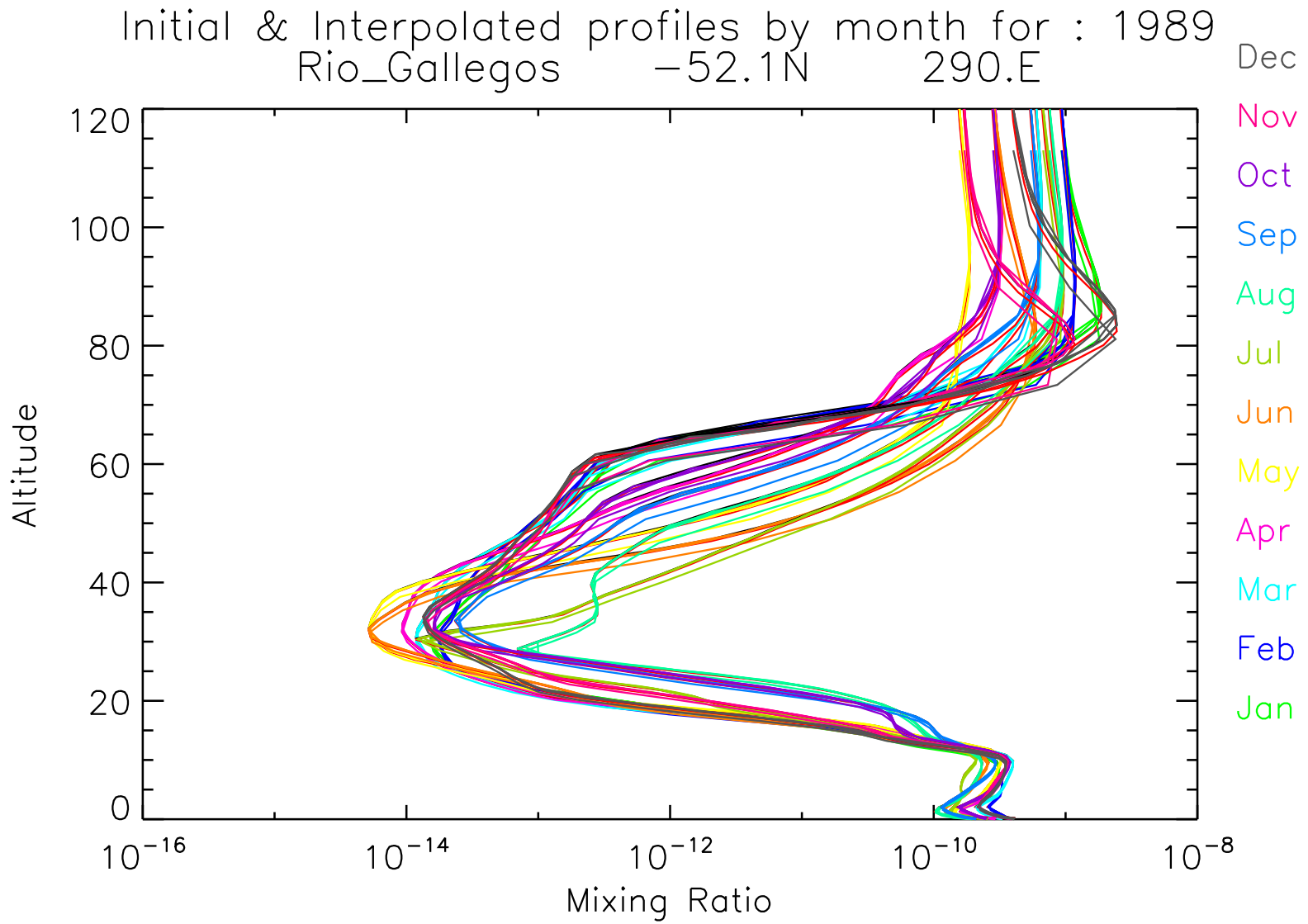
Initial & Interpolated profiles by month for : 1989
Rio_Gallegos −52.1N 290.E
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Altitude
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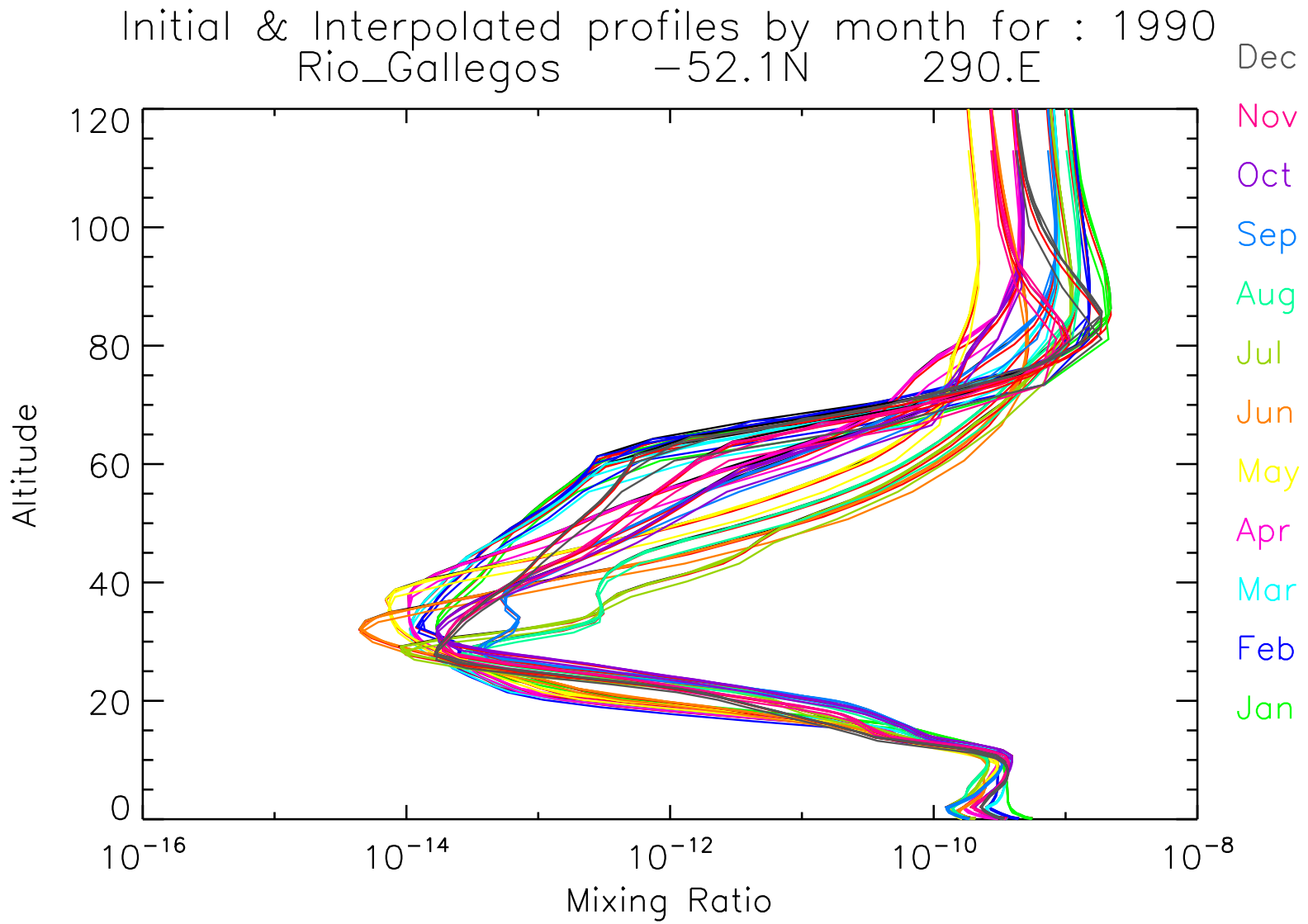
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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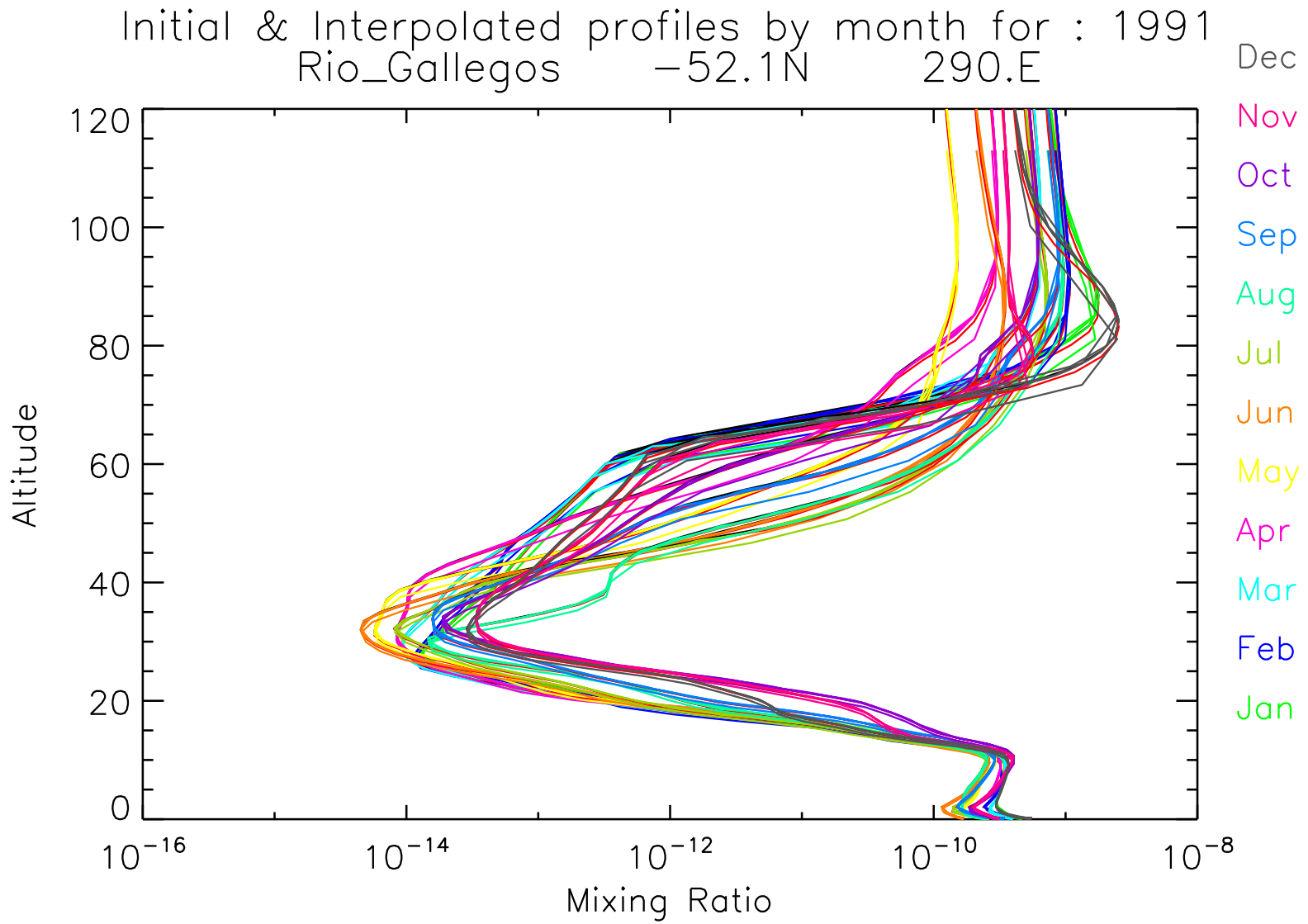
Initial & Interpolated profiles by month for : 1991
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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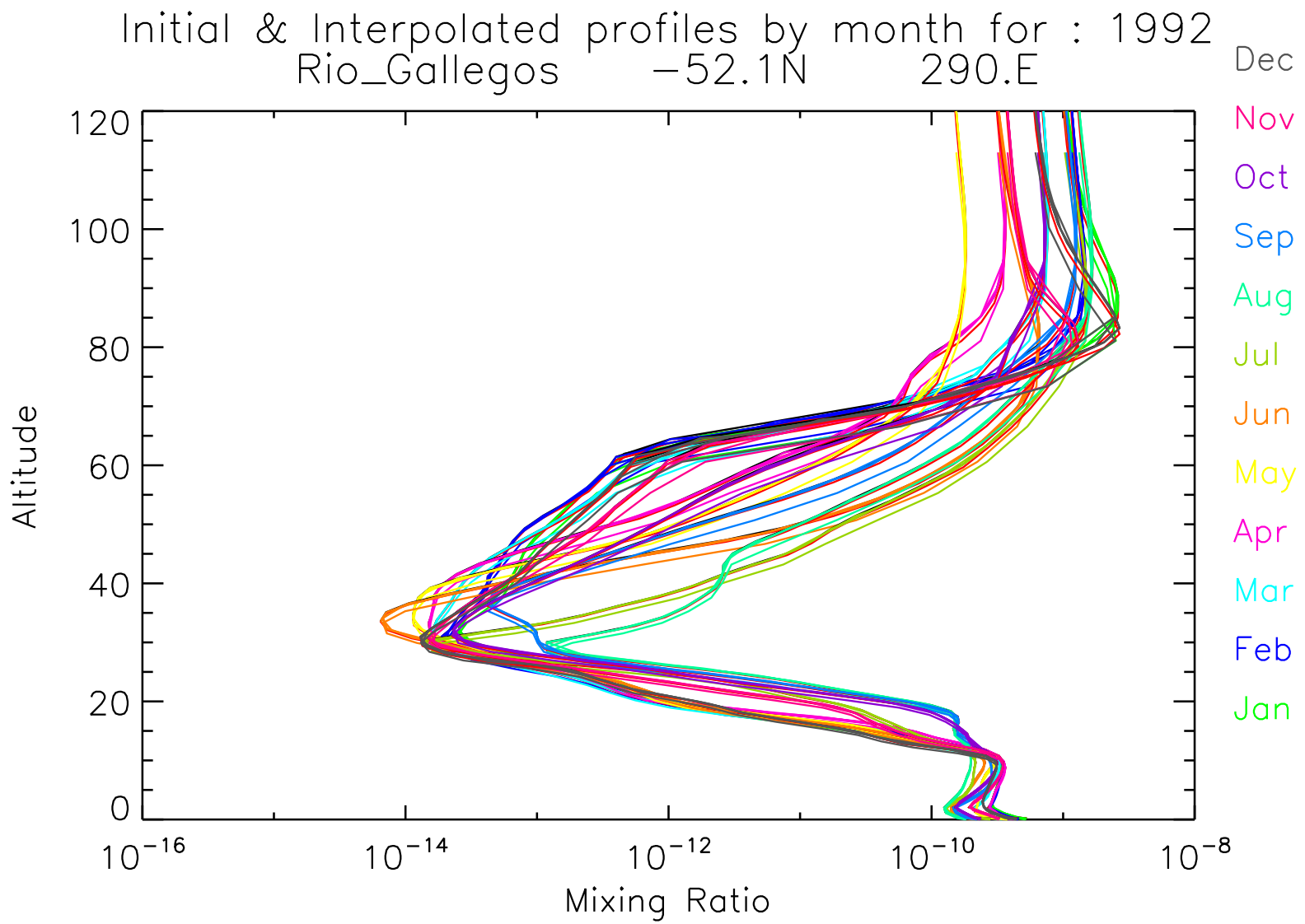
Initial & Interpolated profiles by month for : 1992
Rio_Gallegos −52.1N 290.E
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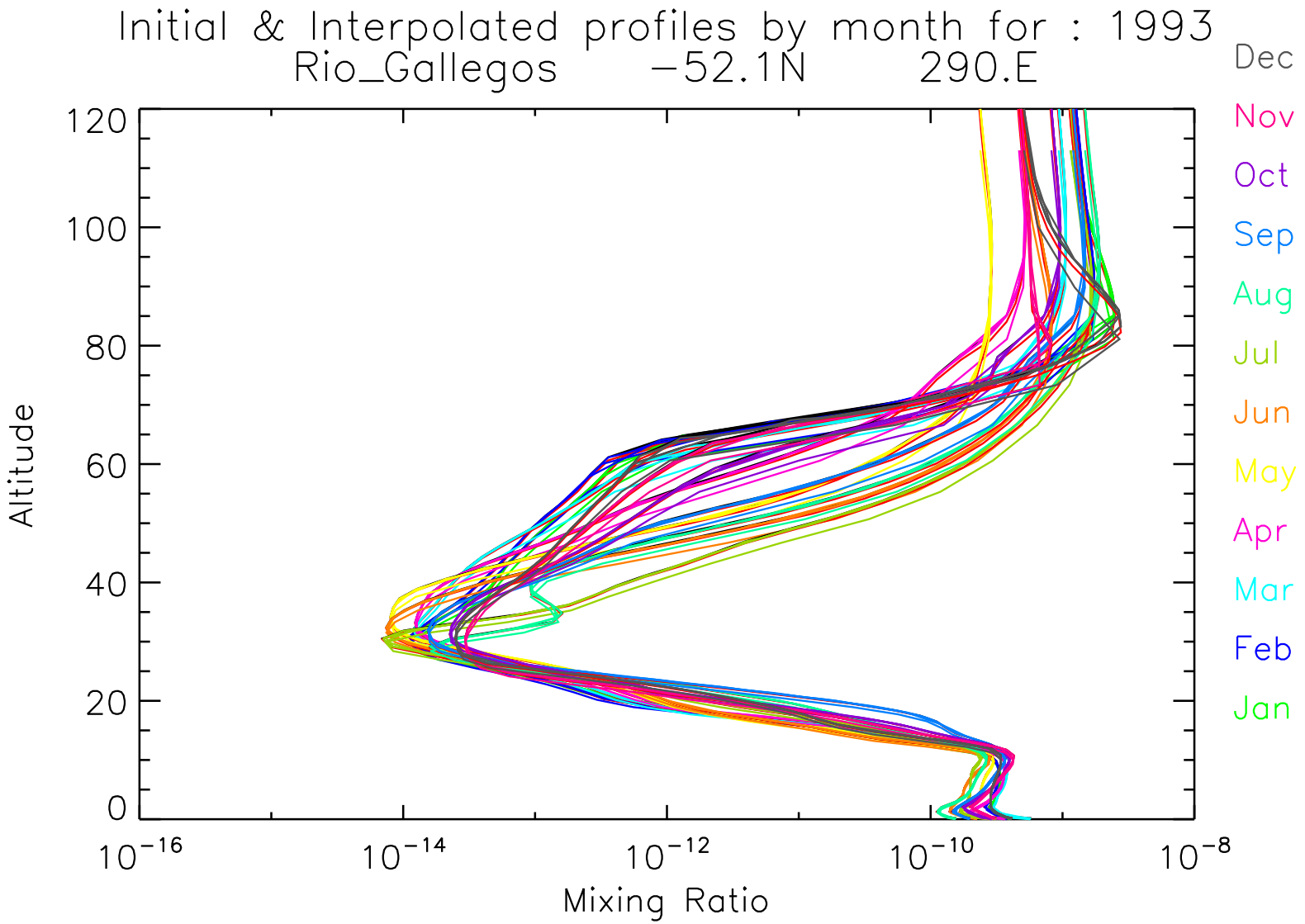
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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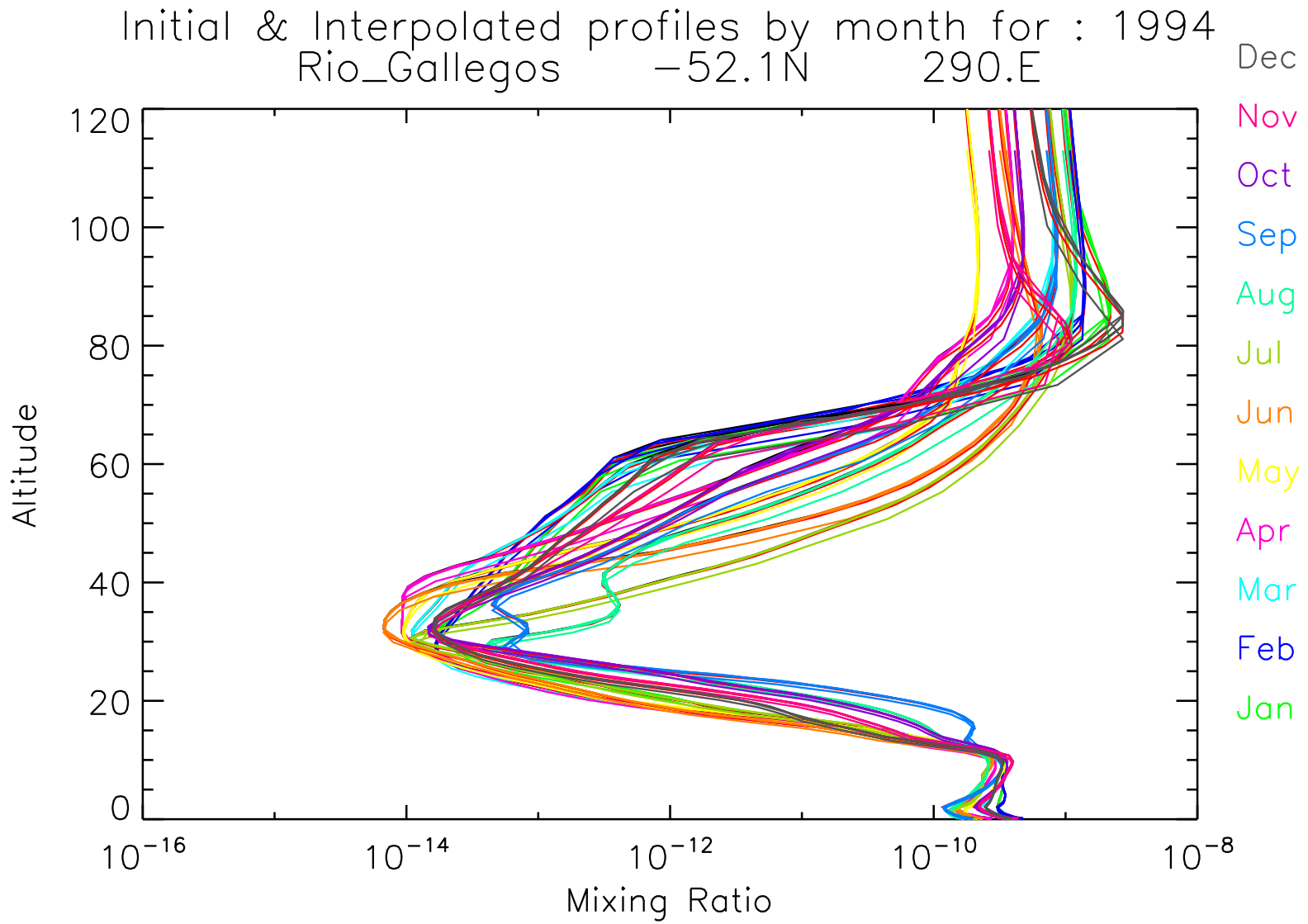
Initial & Interpolated profiles by month for : 1994
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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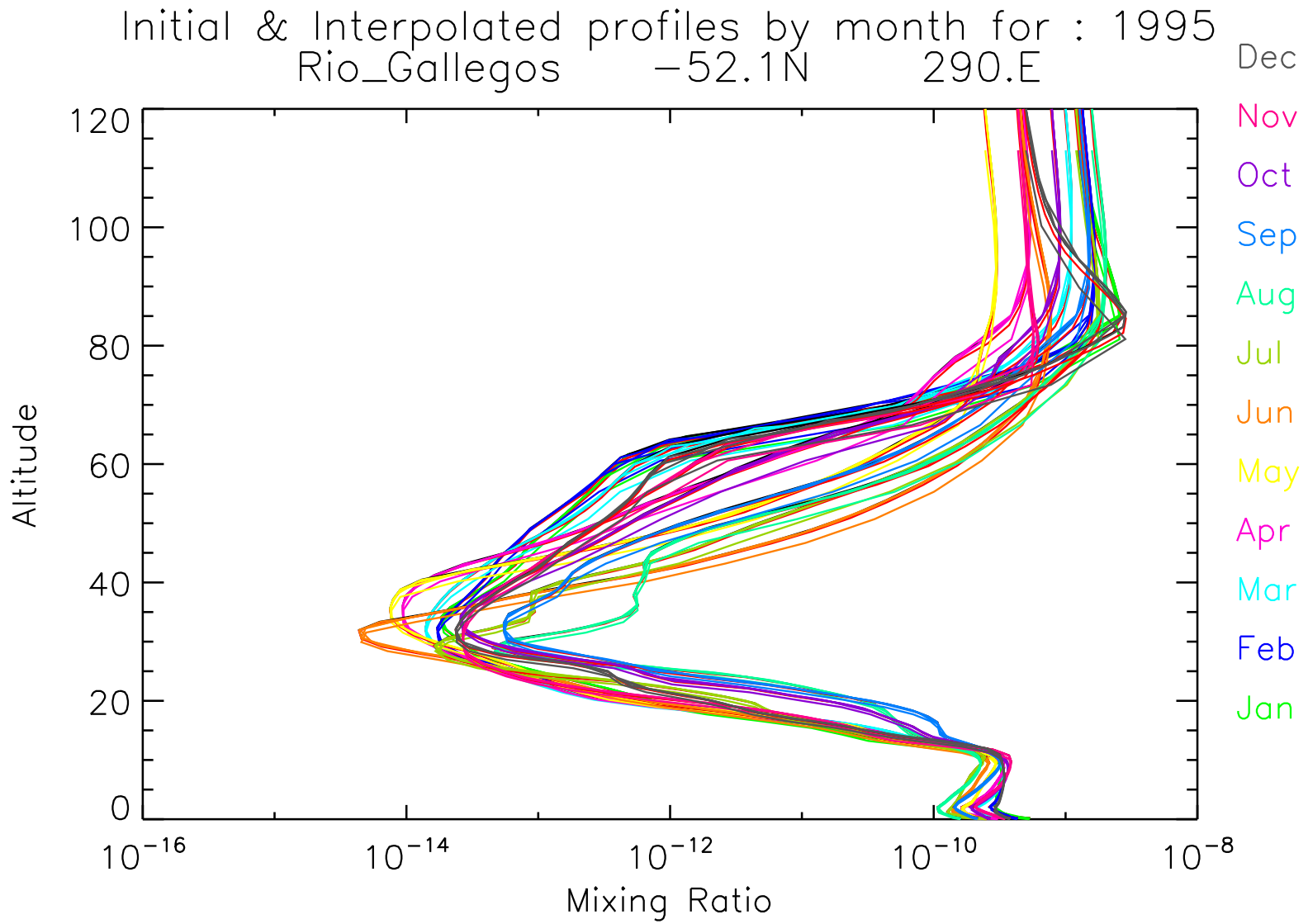
Initial & Interpolated profiles by month for : 1995
Rio_Gallegos −52.1N 290.E
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Altitude
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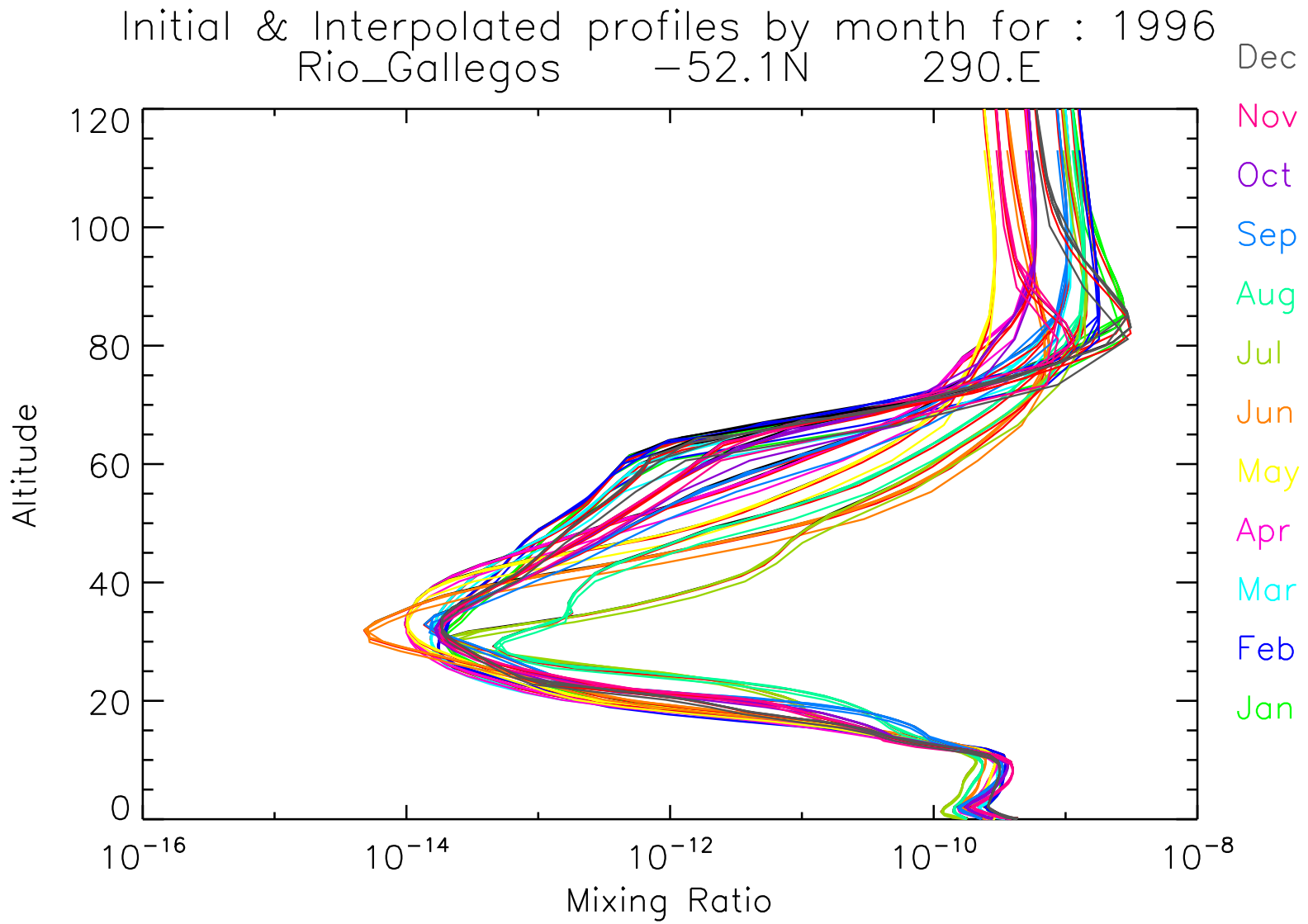
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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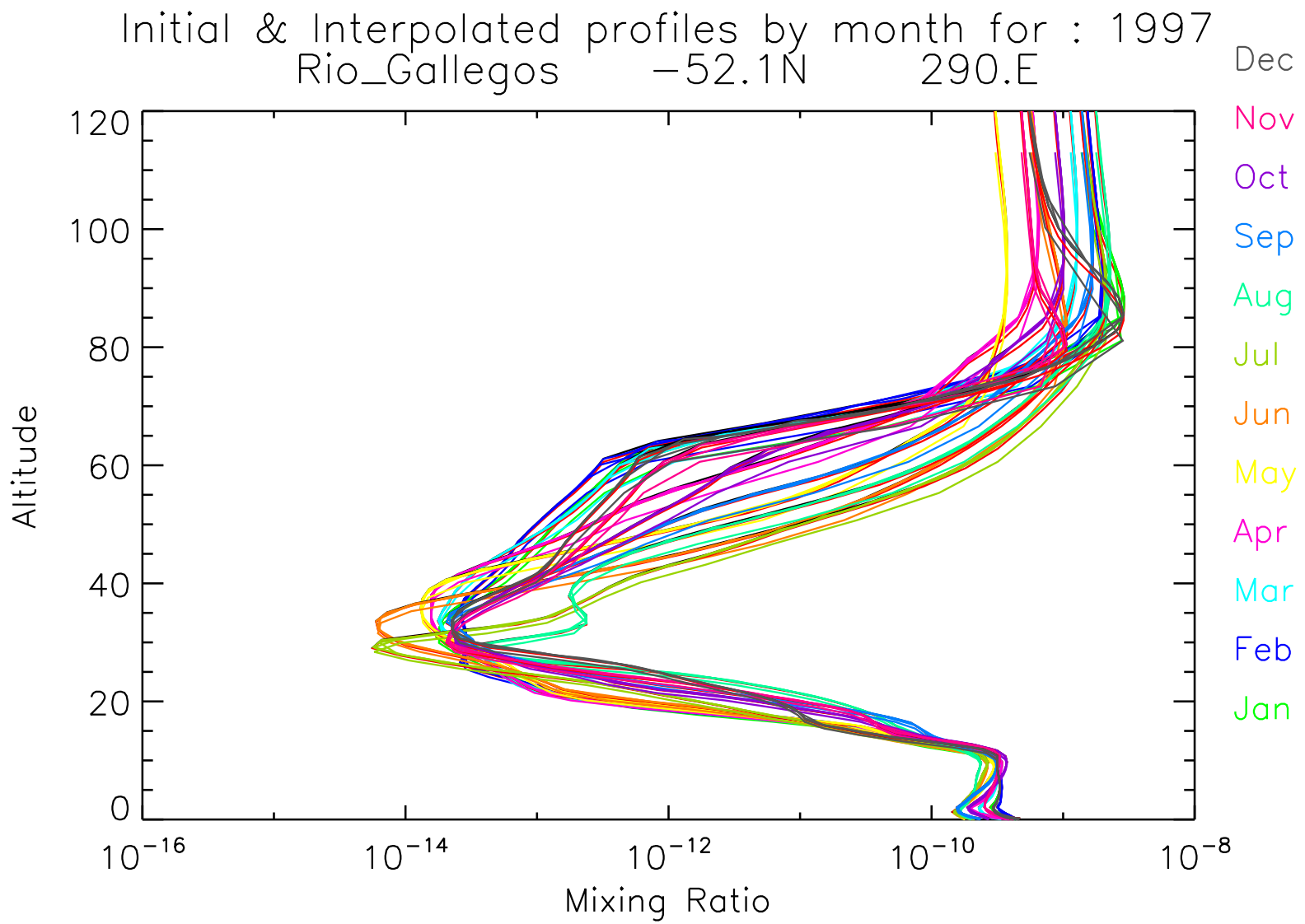
Initial & Interpolated profiles by month for : 1997
Rio_Gallegos −52.1N 290.E
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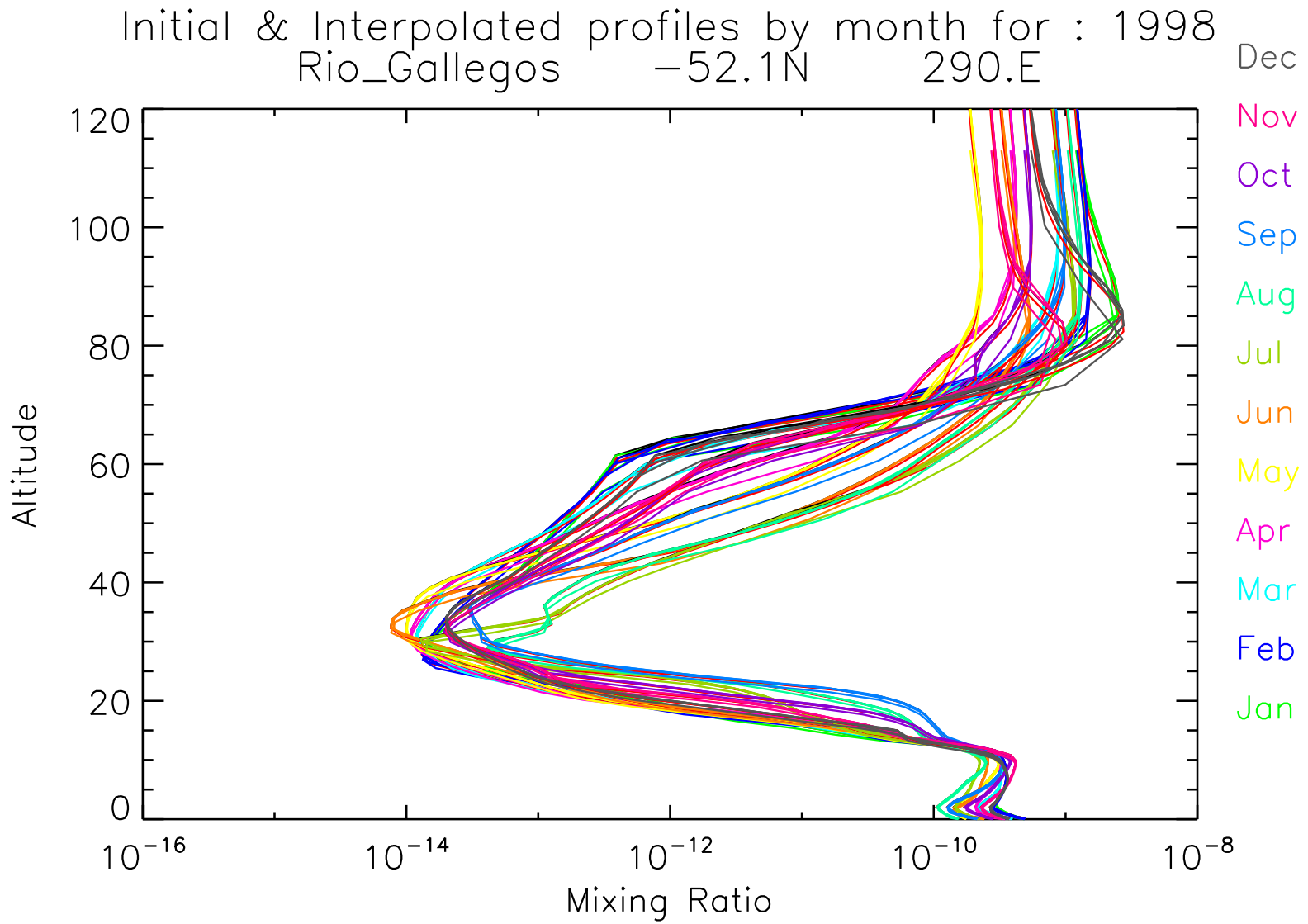
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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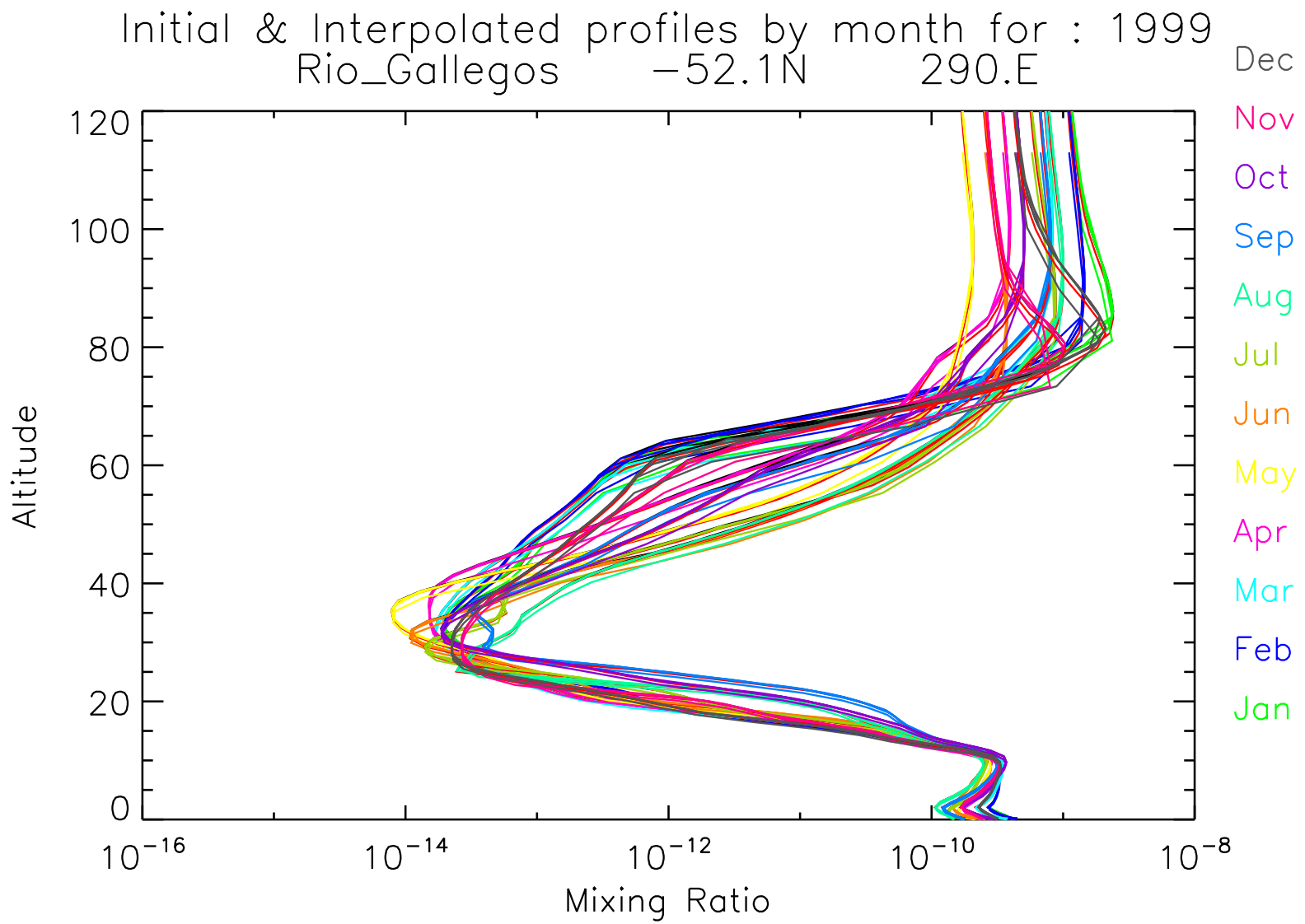
Initial & Interpolated profiles by month for : 1999
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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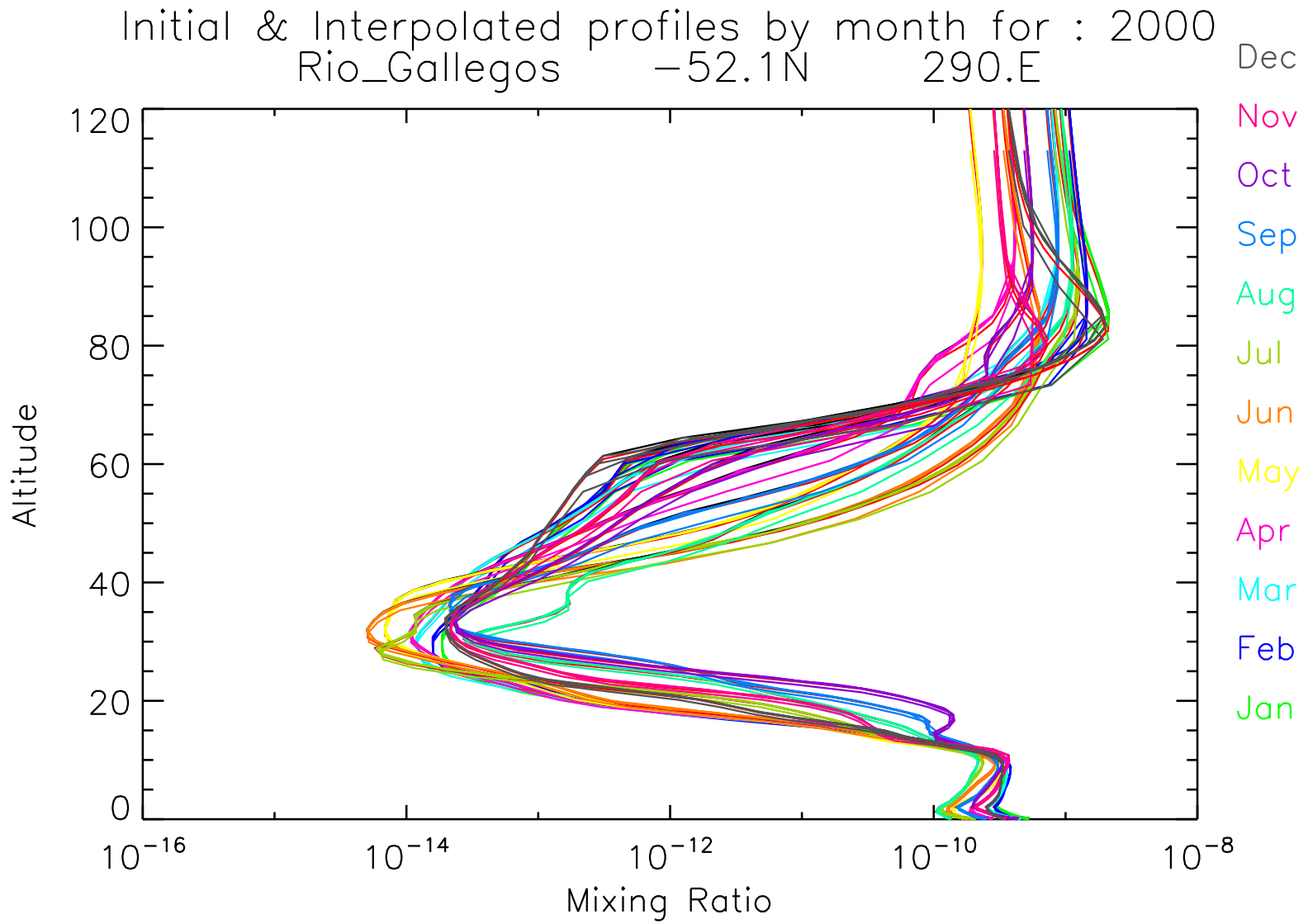
Initial & Interpolated profiles by month for : 2000
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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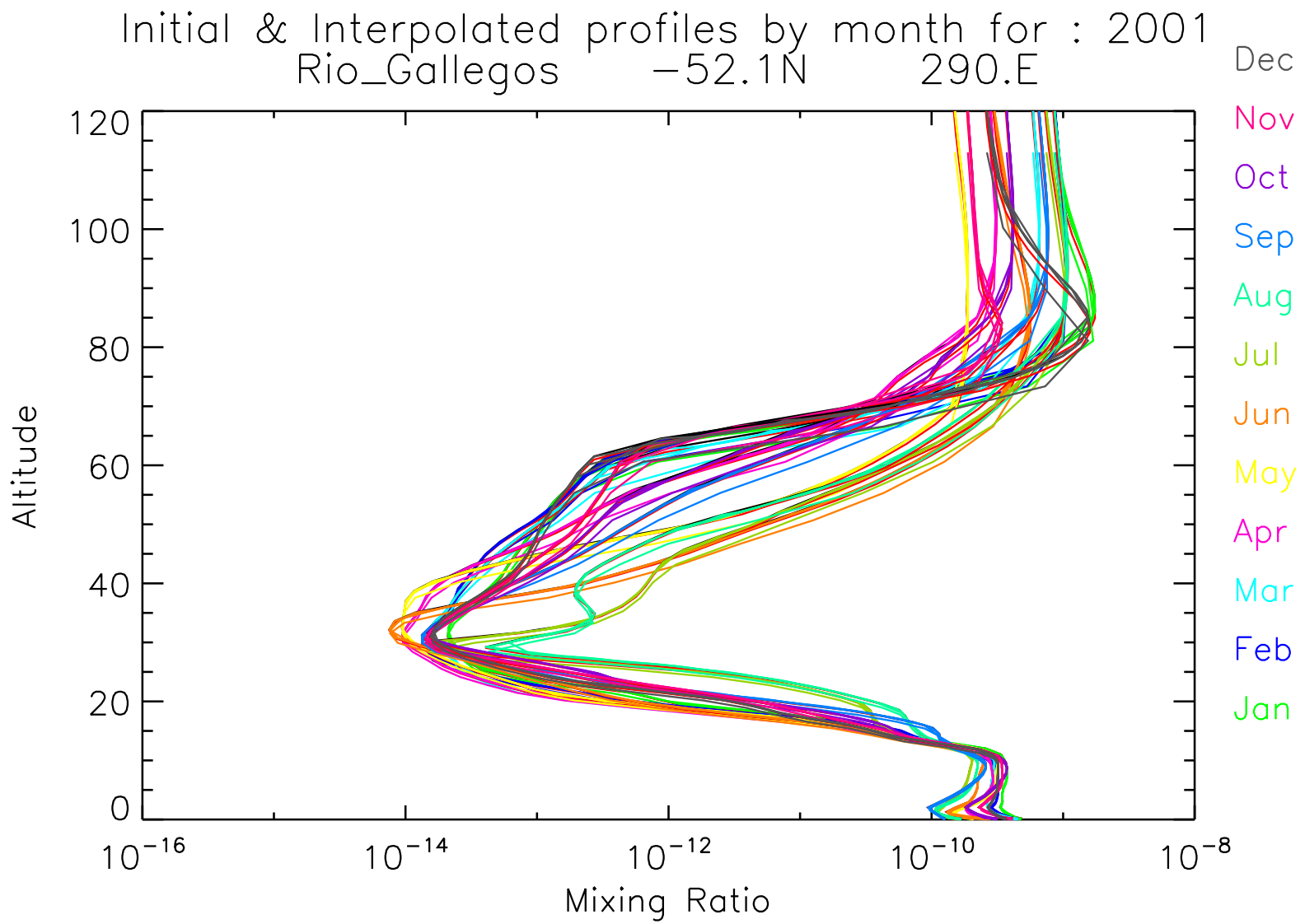
Initial & Interpolated profiles by month for : 2001
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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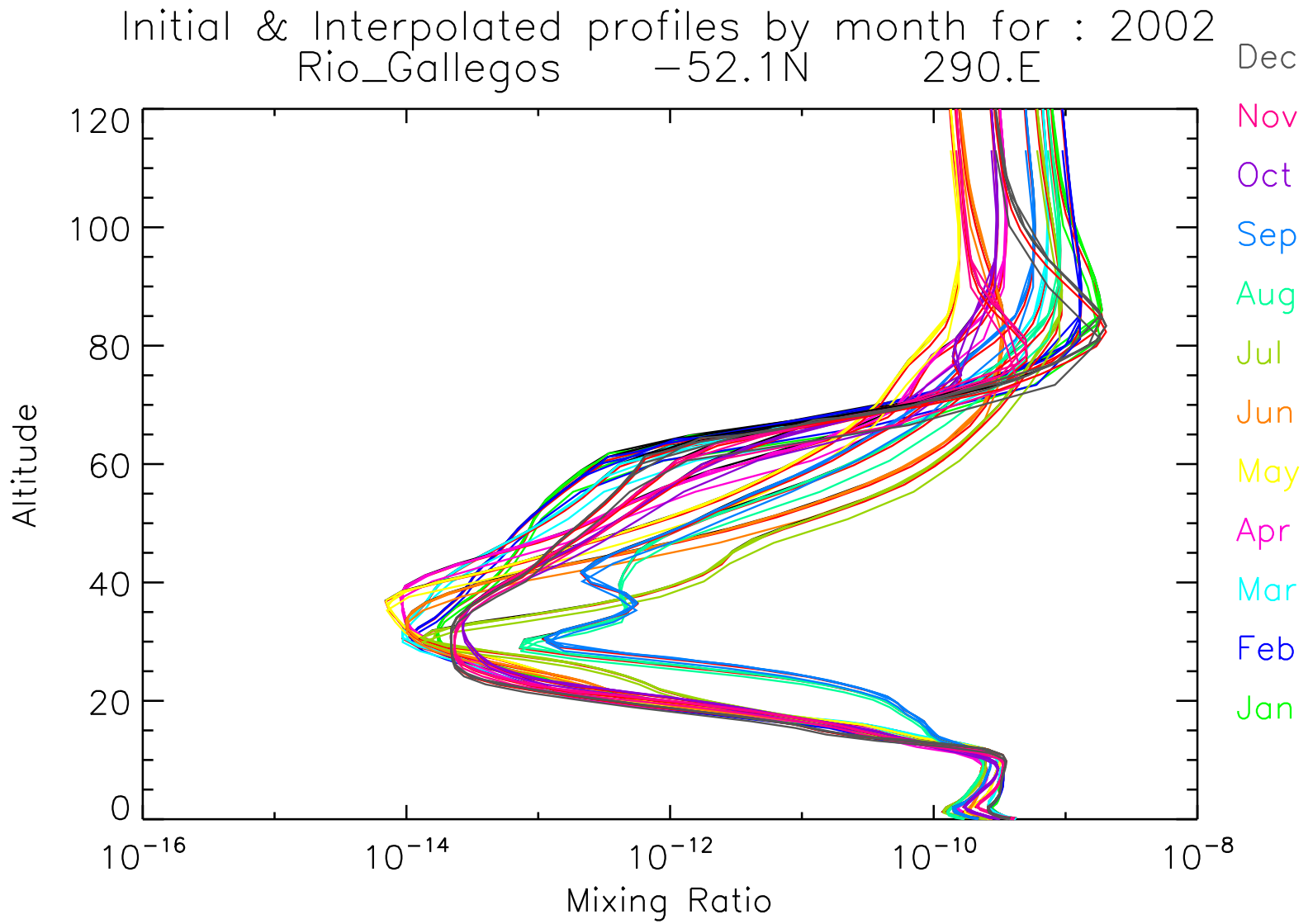
Initial & Interpolated profiles by month for : 2002
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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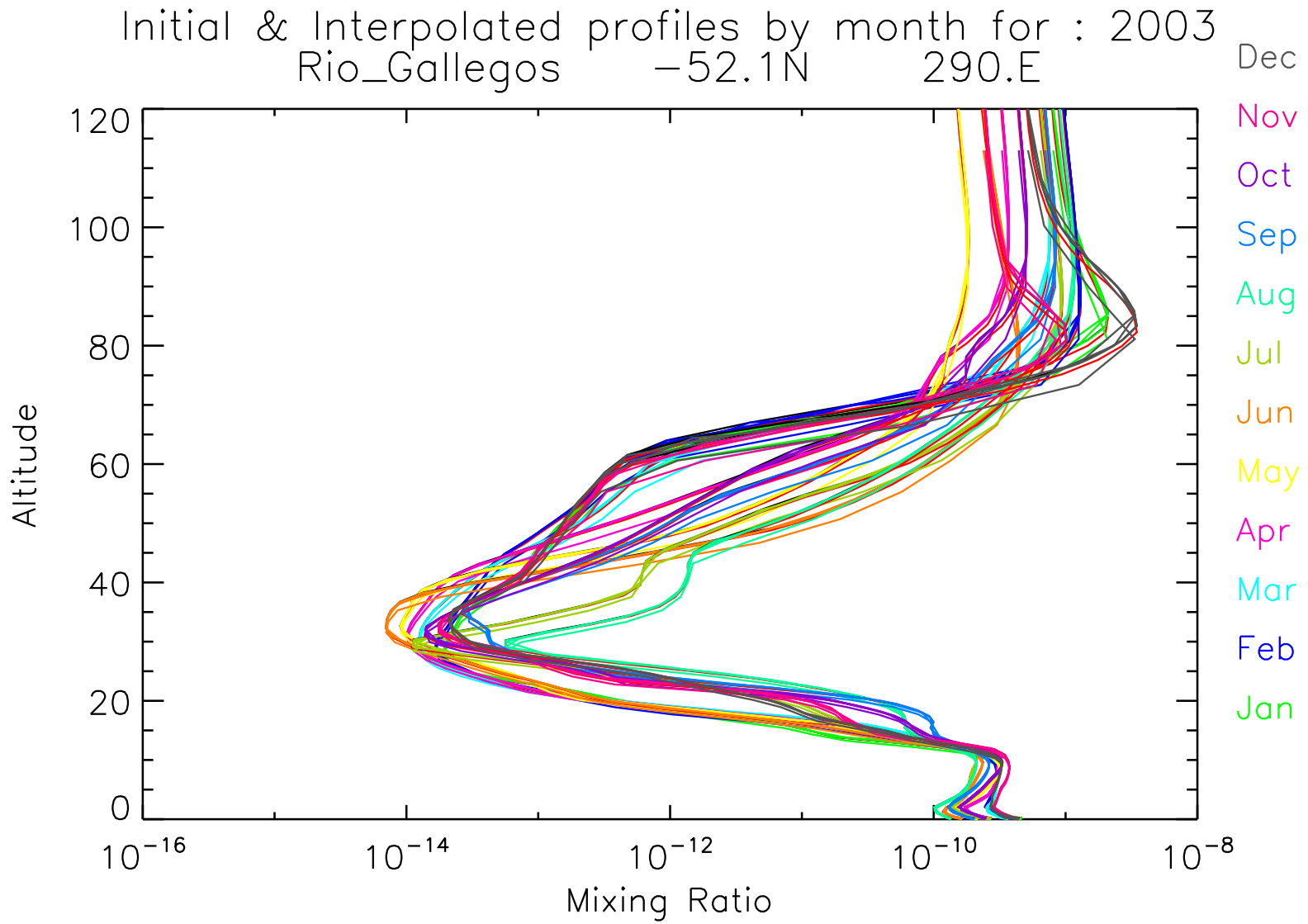
Initial & Interpolated profiles by month for : 2003
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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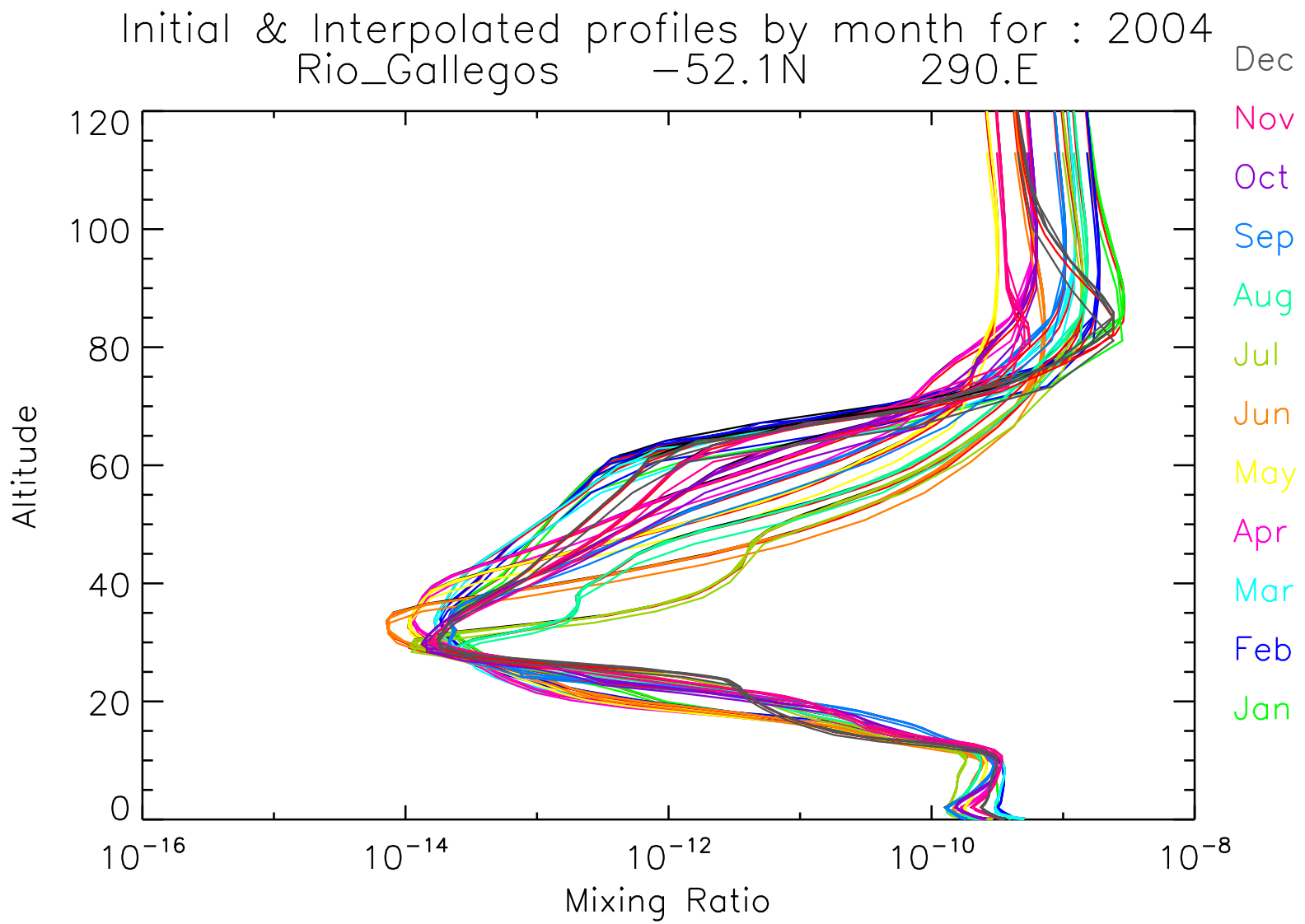
Initial & Interpolated profiles by month for : 2004
Rio_Gallegos −52.1N 290.E
Dec
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Altitude
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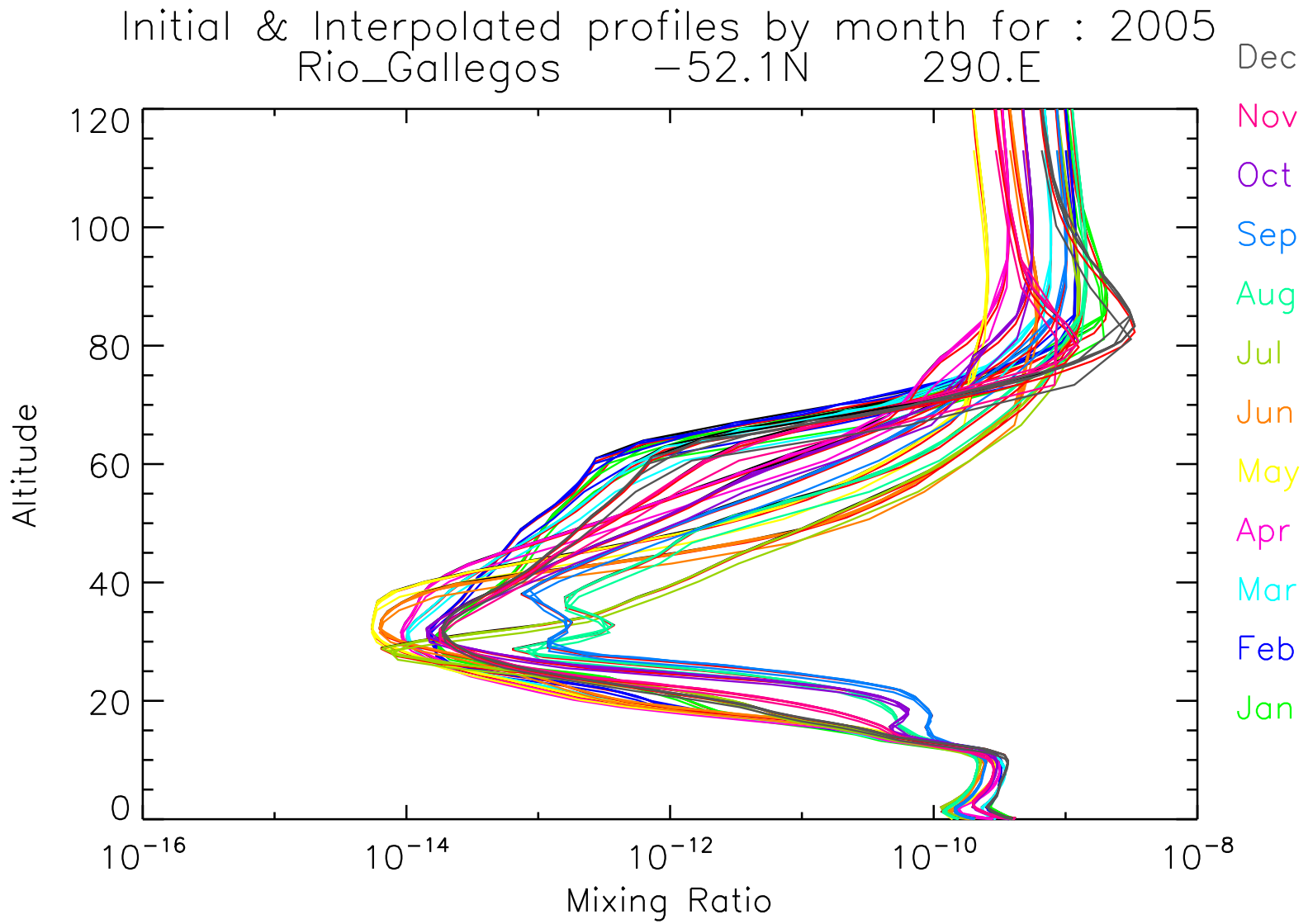
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Rio_Gallegos −52.1N 290.E
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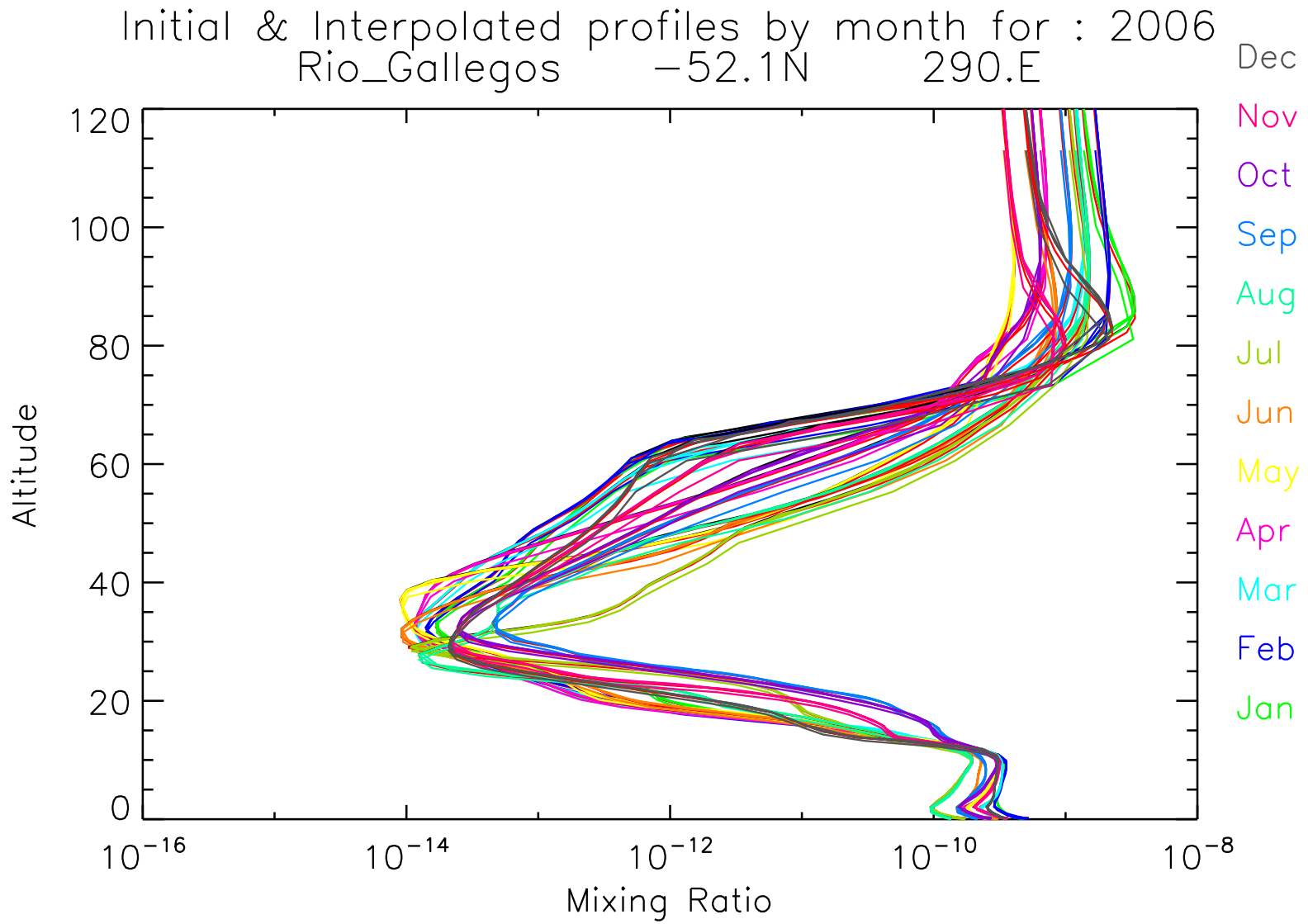
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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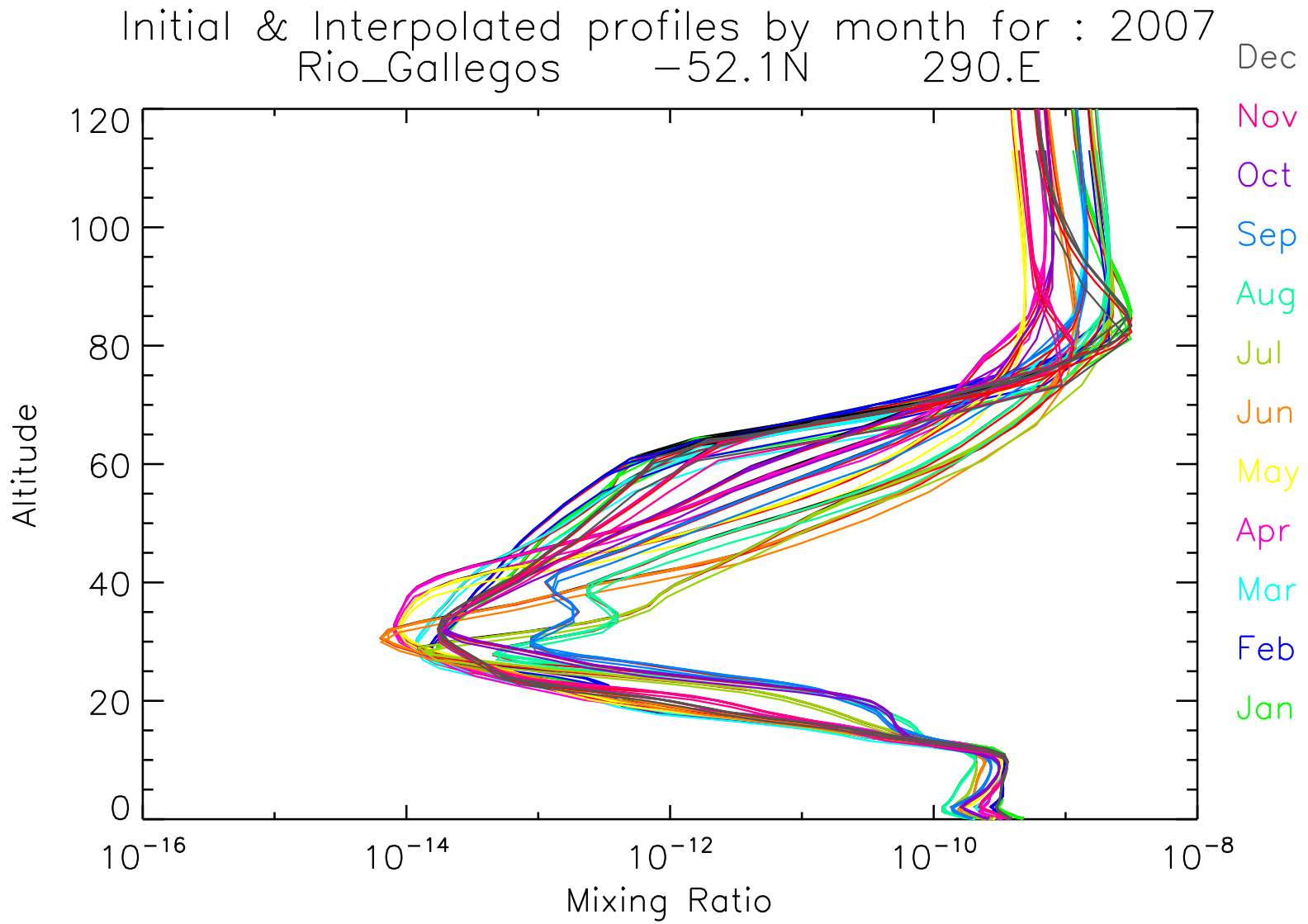
Initial & Interpolated profiles by month for : 2007
Rio_Gallegos −52.1N 290.E
Altitude
120
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Mixing Ratio
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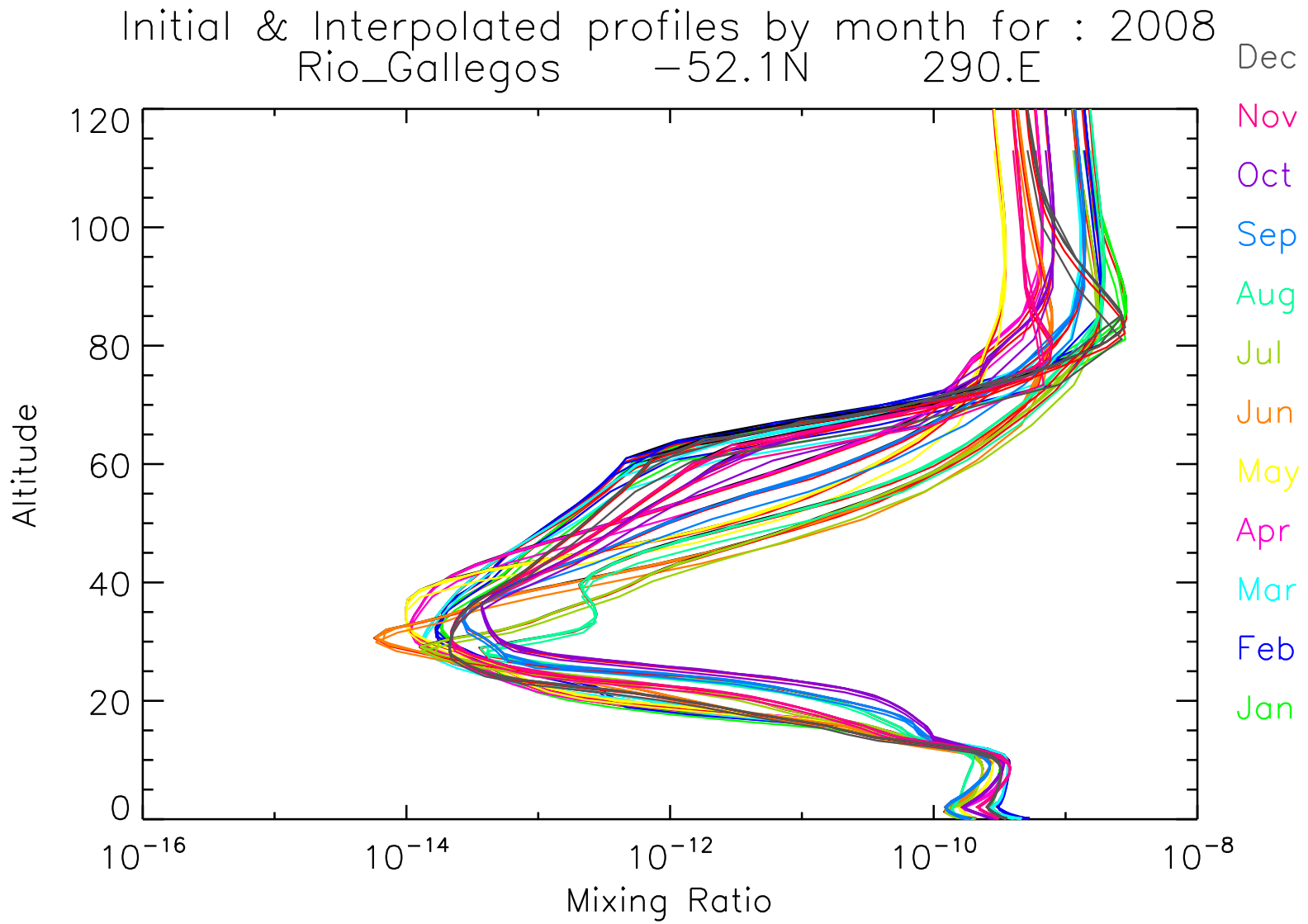
Initial & Interpolated profiles by month for : 2008
Rio_Gallegos −52.1N 290.E
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Altitude
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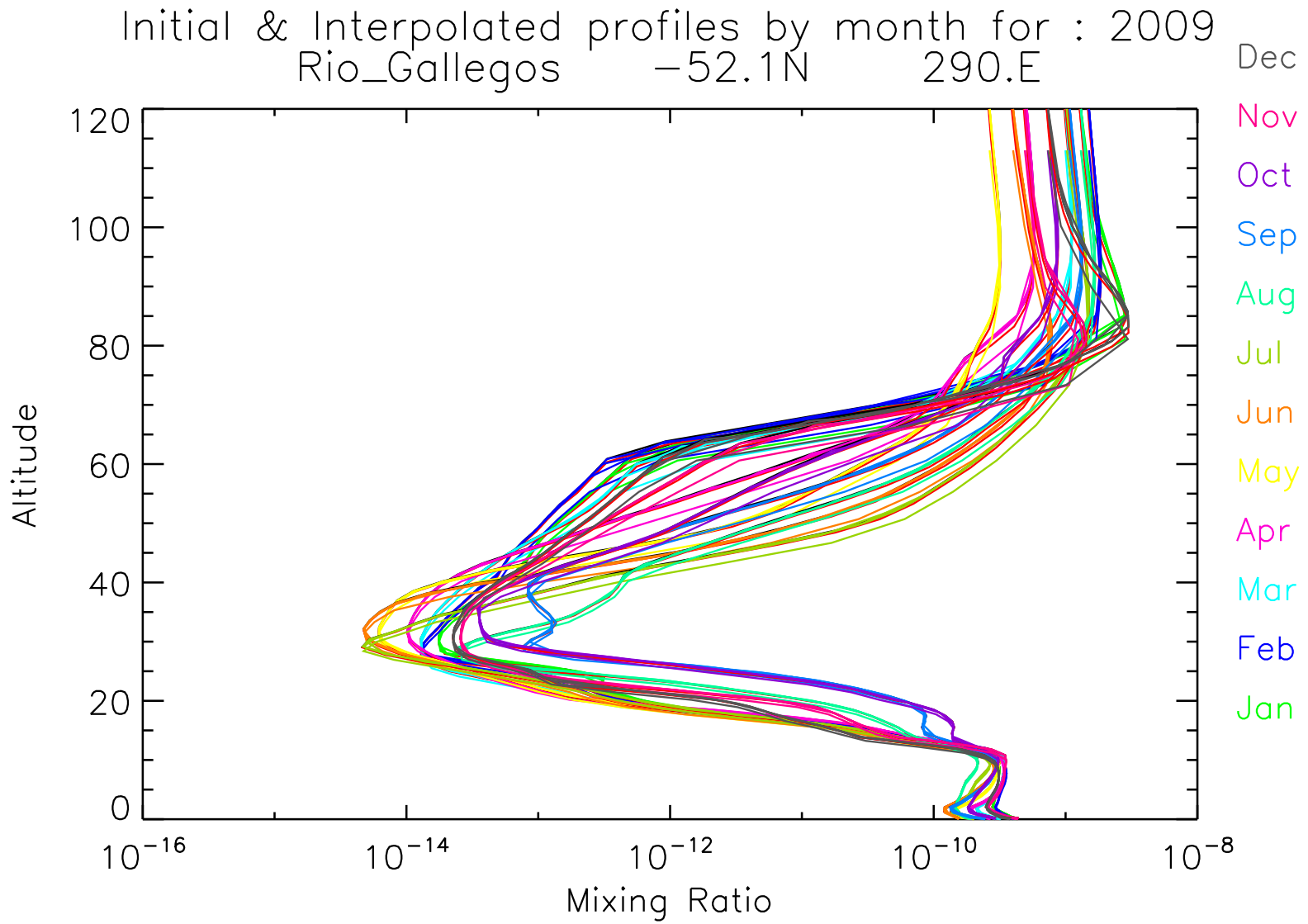
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Rio_Gallegos −52.1N 290.E
Altitude
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Mixing Ratio
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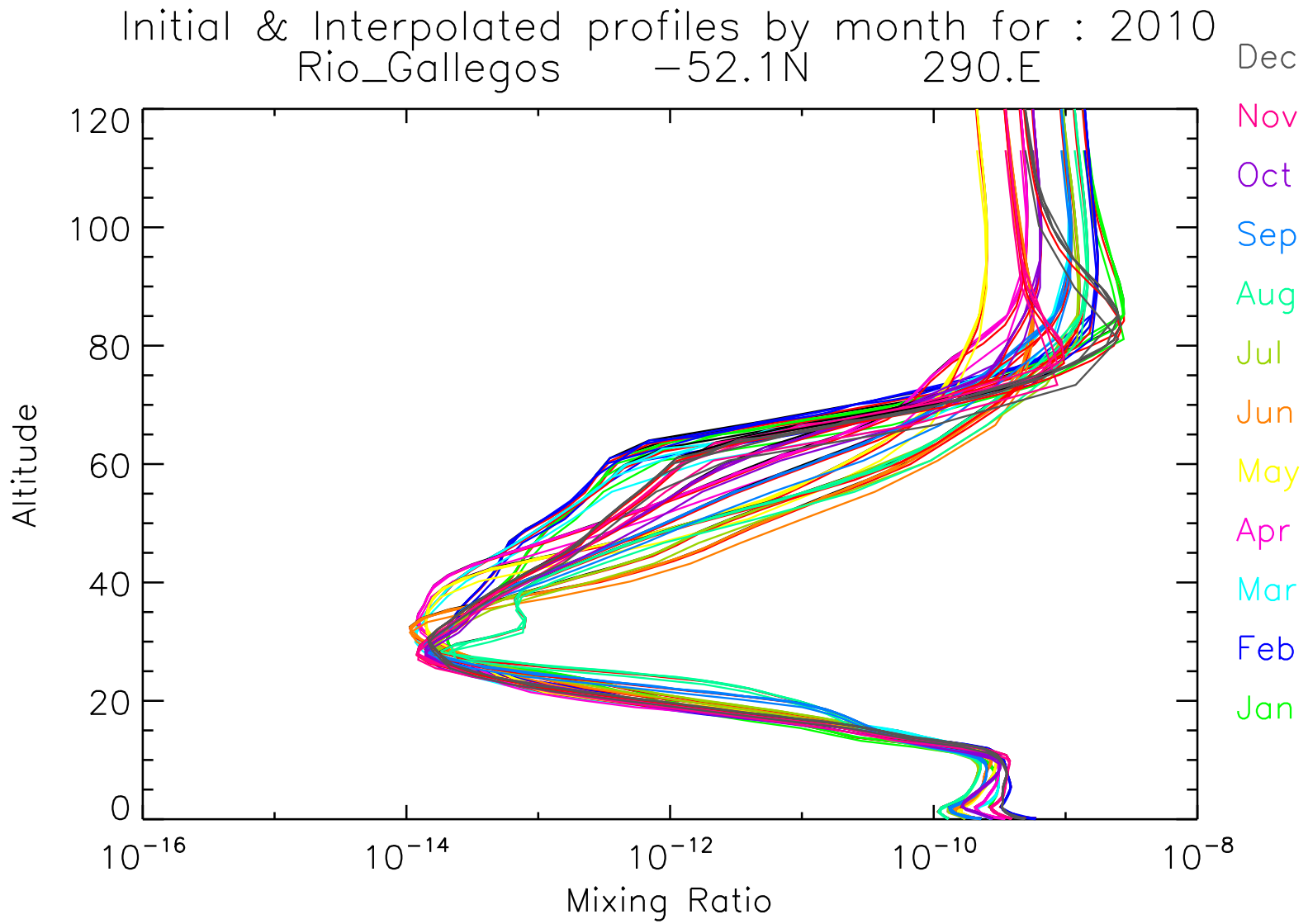
Initial & Interpolated profiles by month for : 2010
Rio_Gallegos −52.1N 290.E
Altitude
120
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Mixing Ratio
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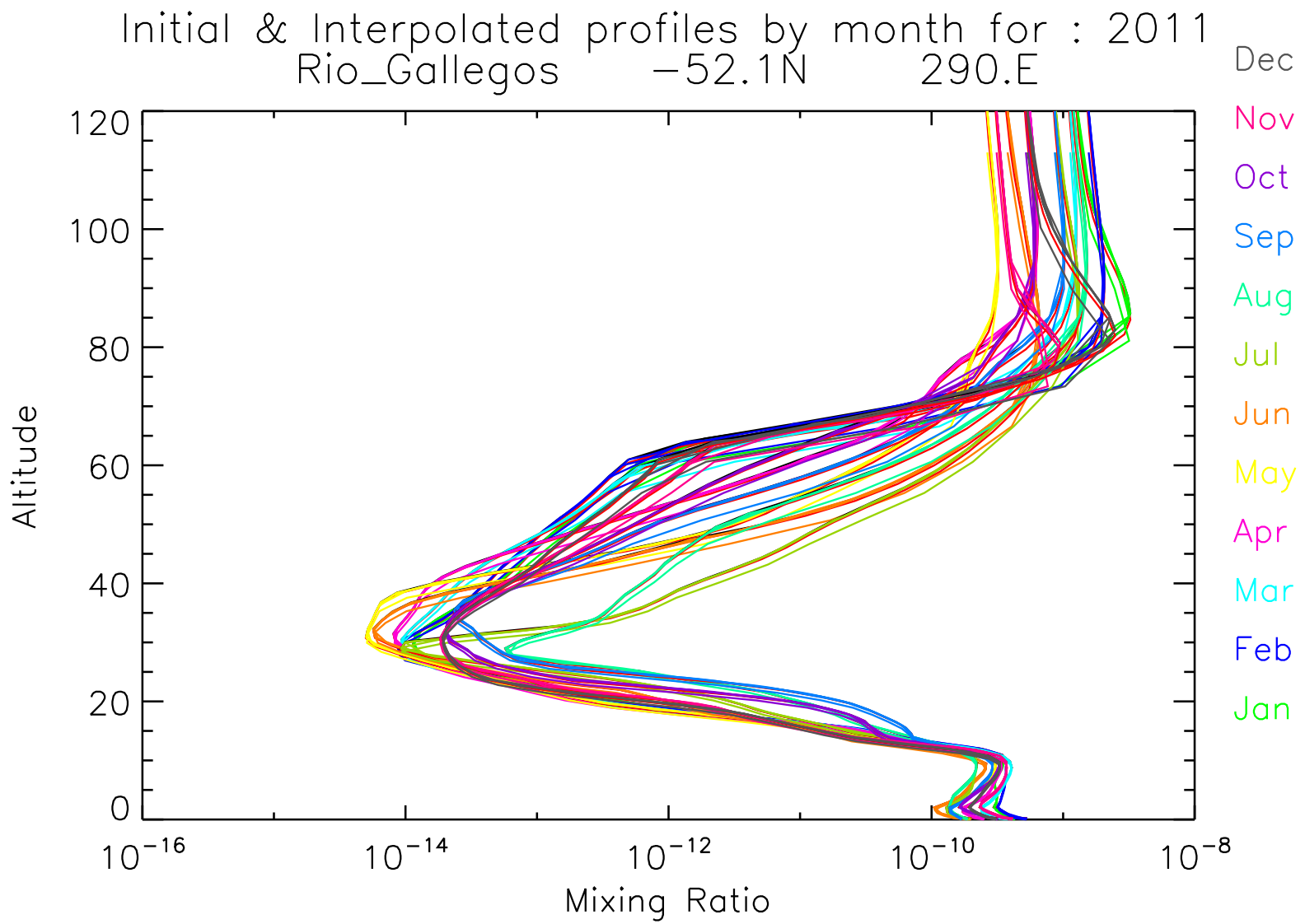
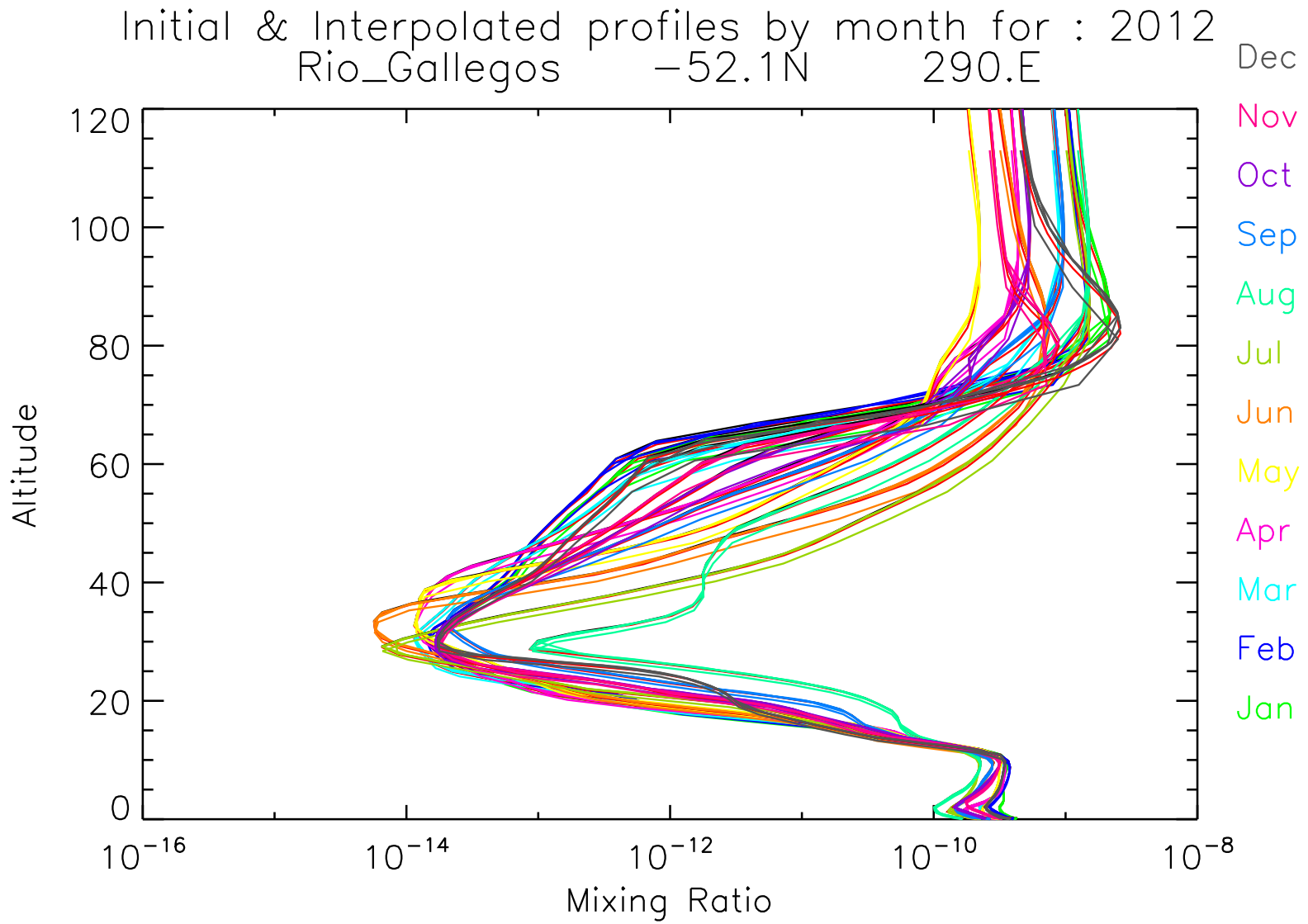
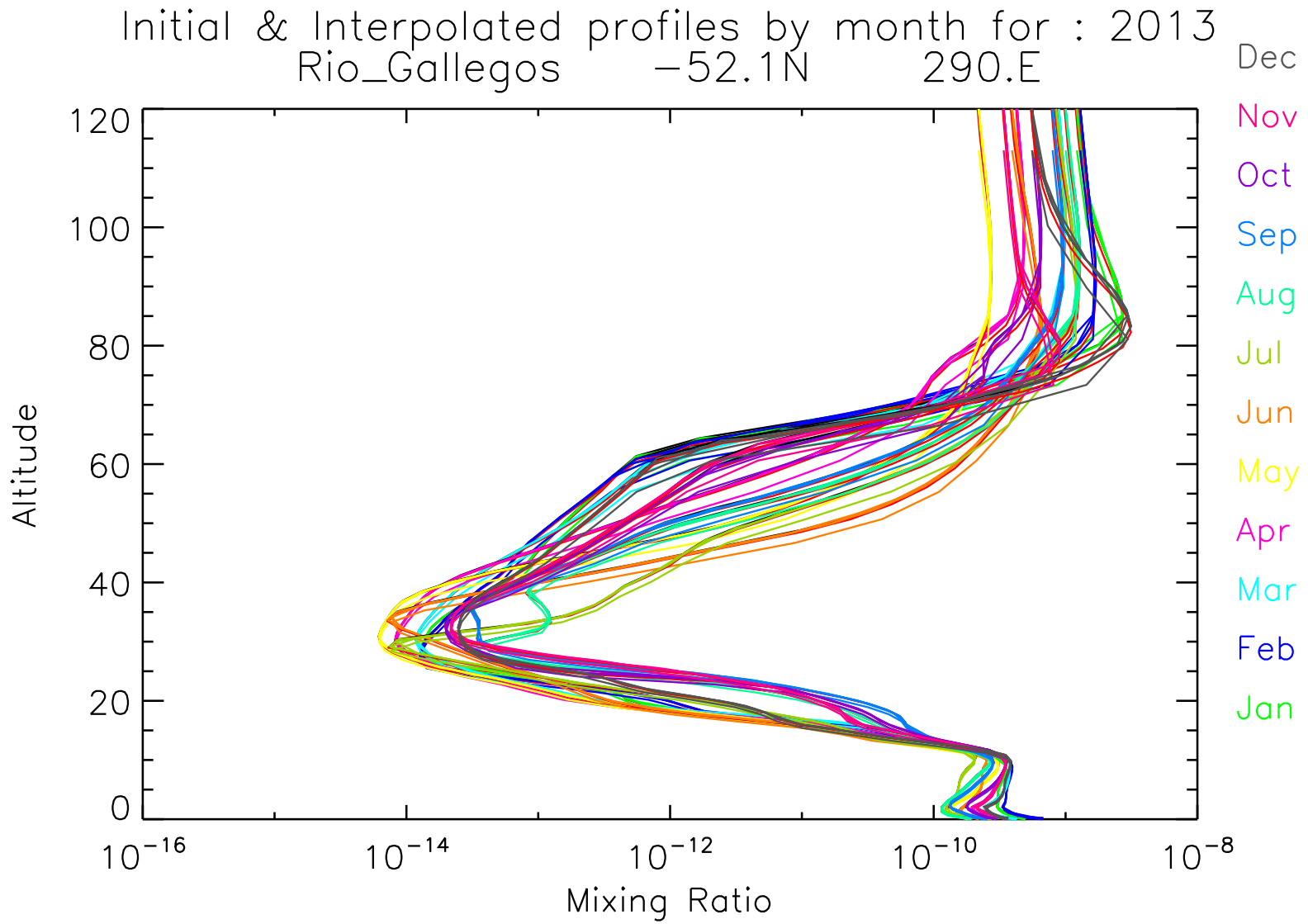
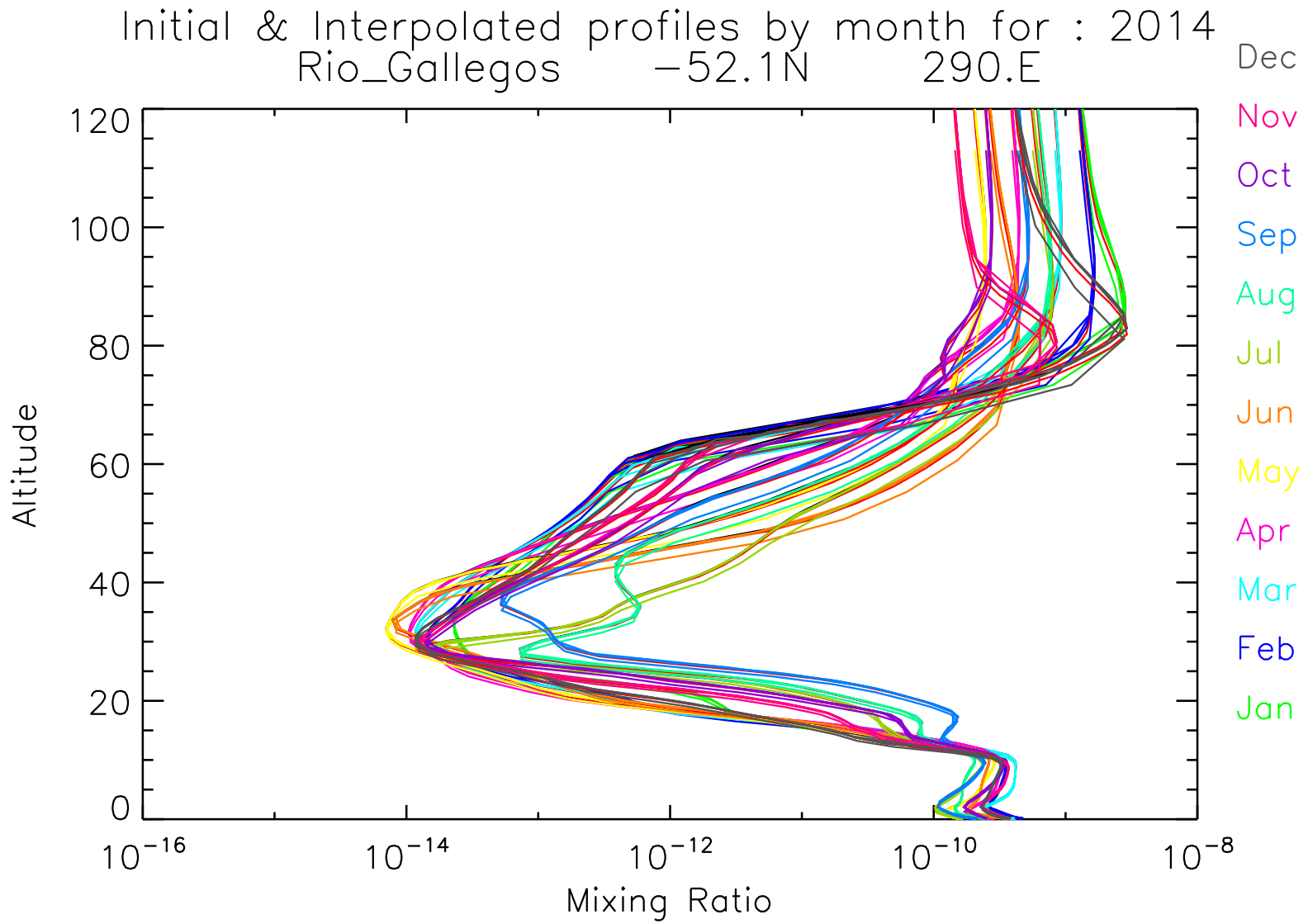
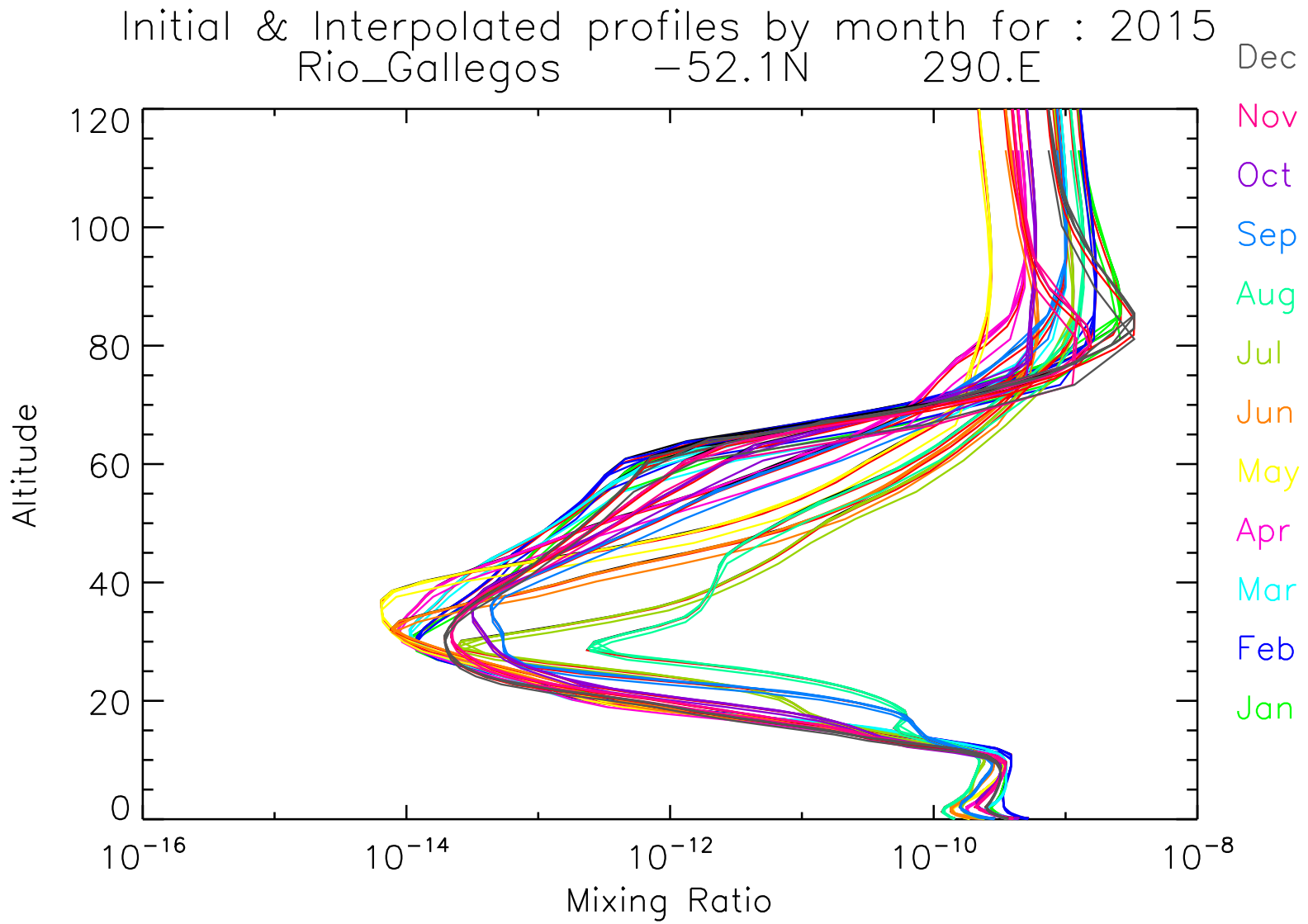
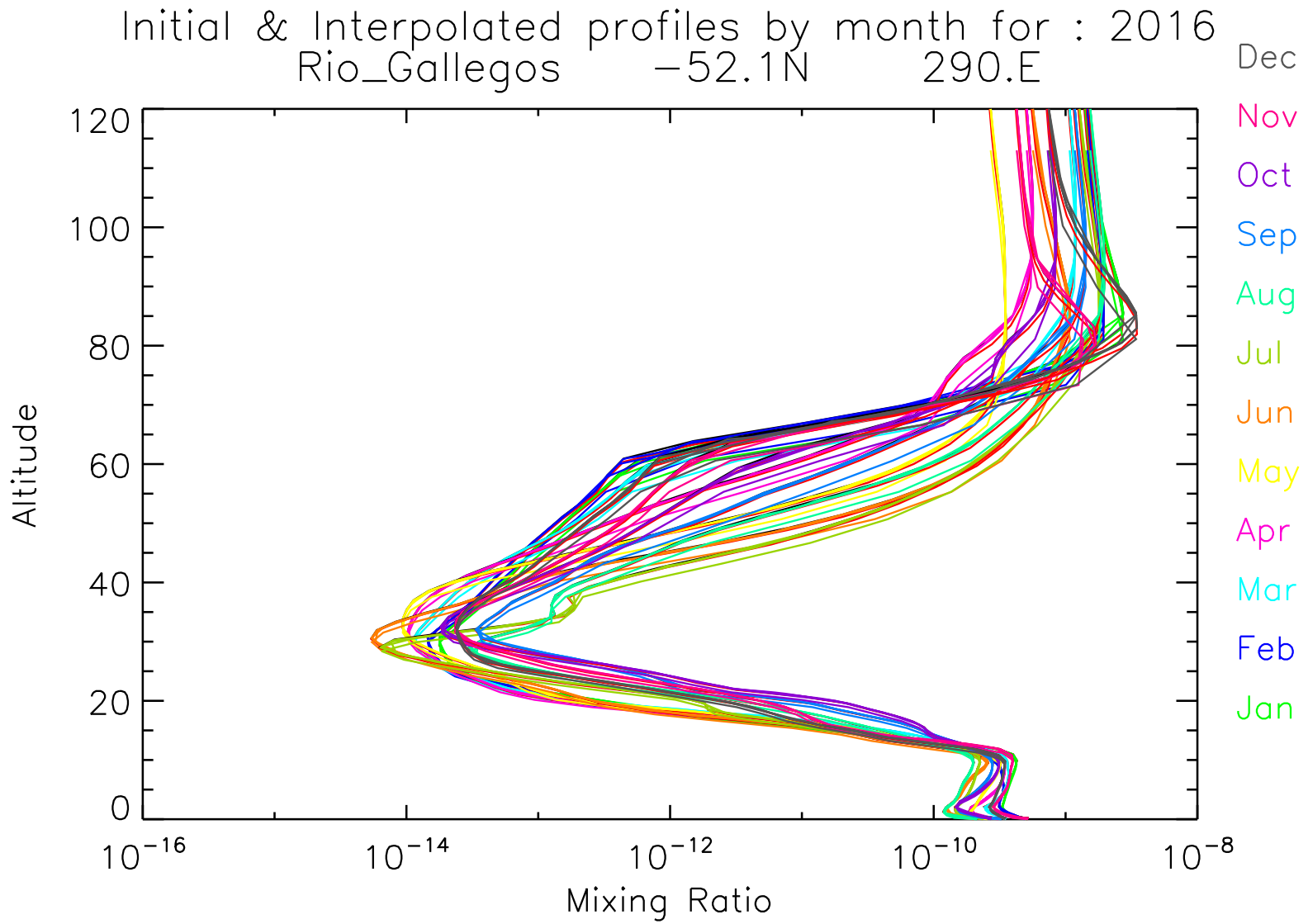

Initial & Interpolated profiles by month for : 2011
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

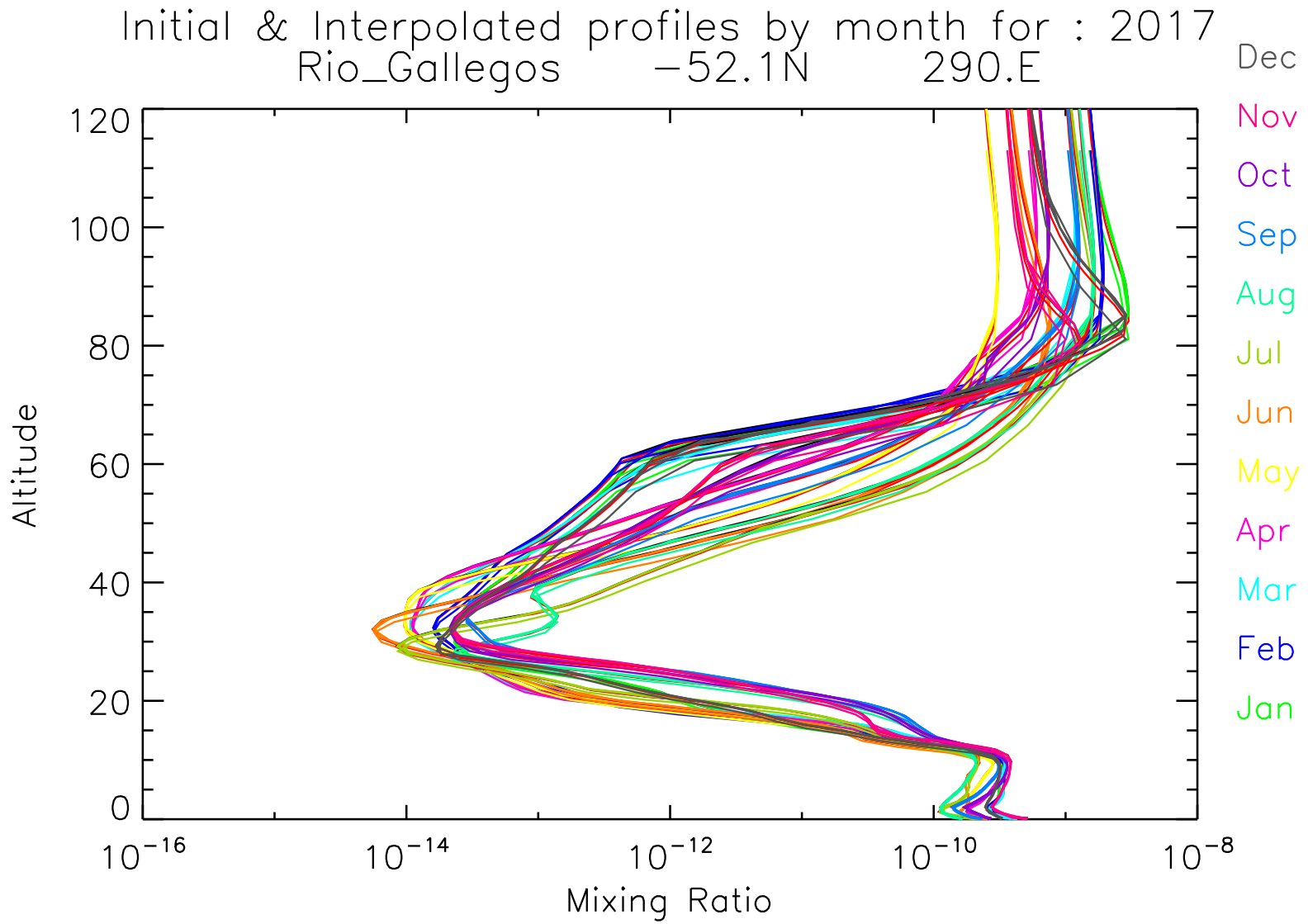

Initial & Interpolated profiles by month for : 2012
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

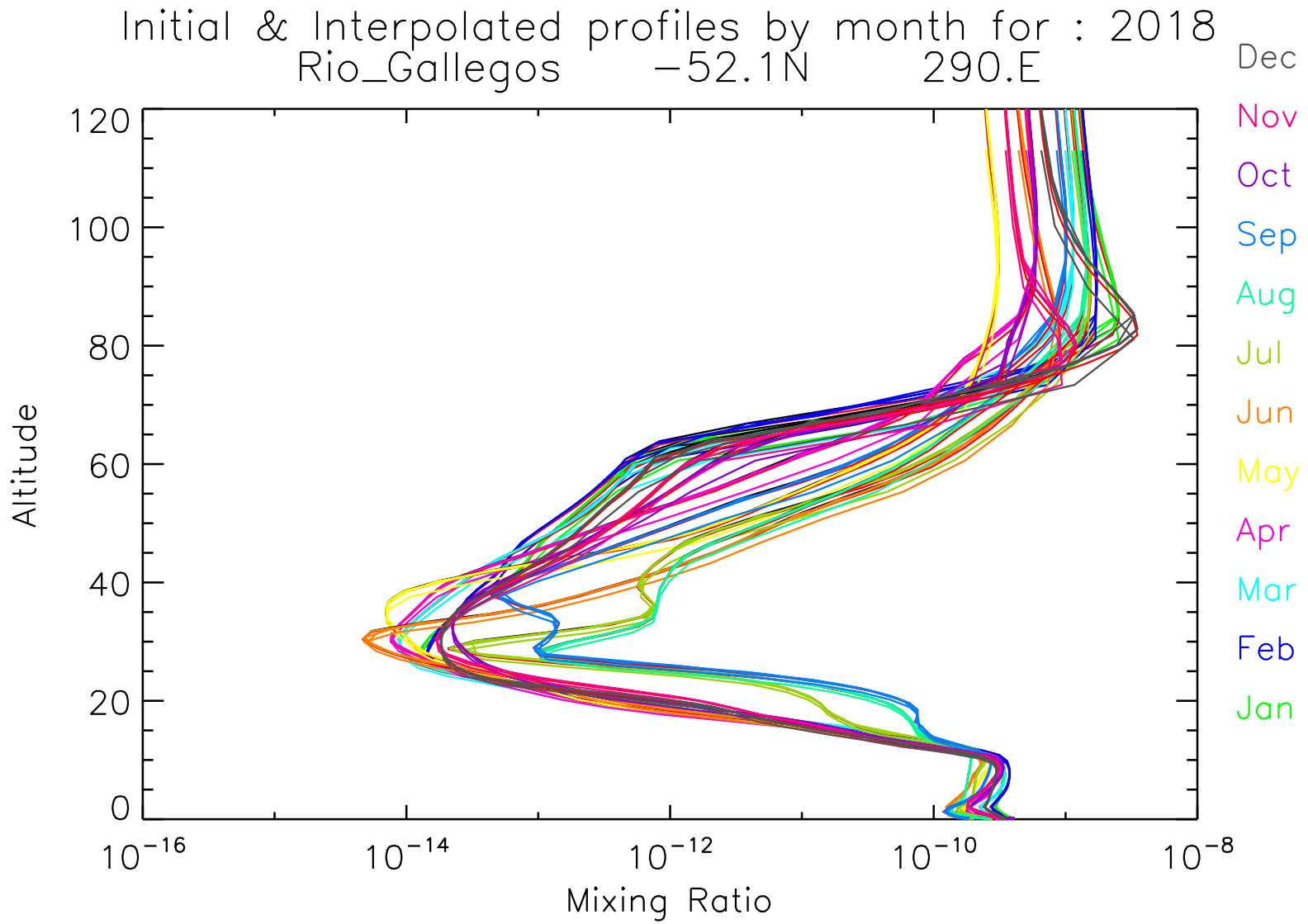

Initial & Interpolated profiles by month for : 2013
Rio_Gallegos −52.1N 290.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

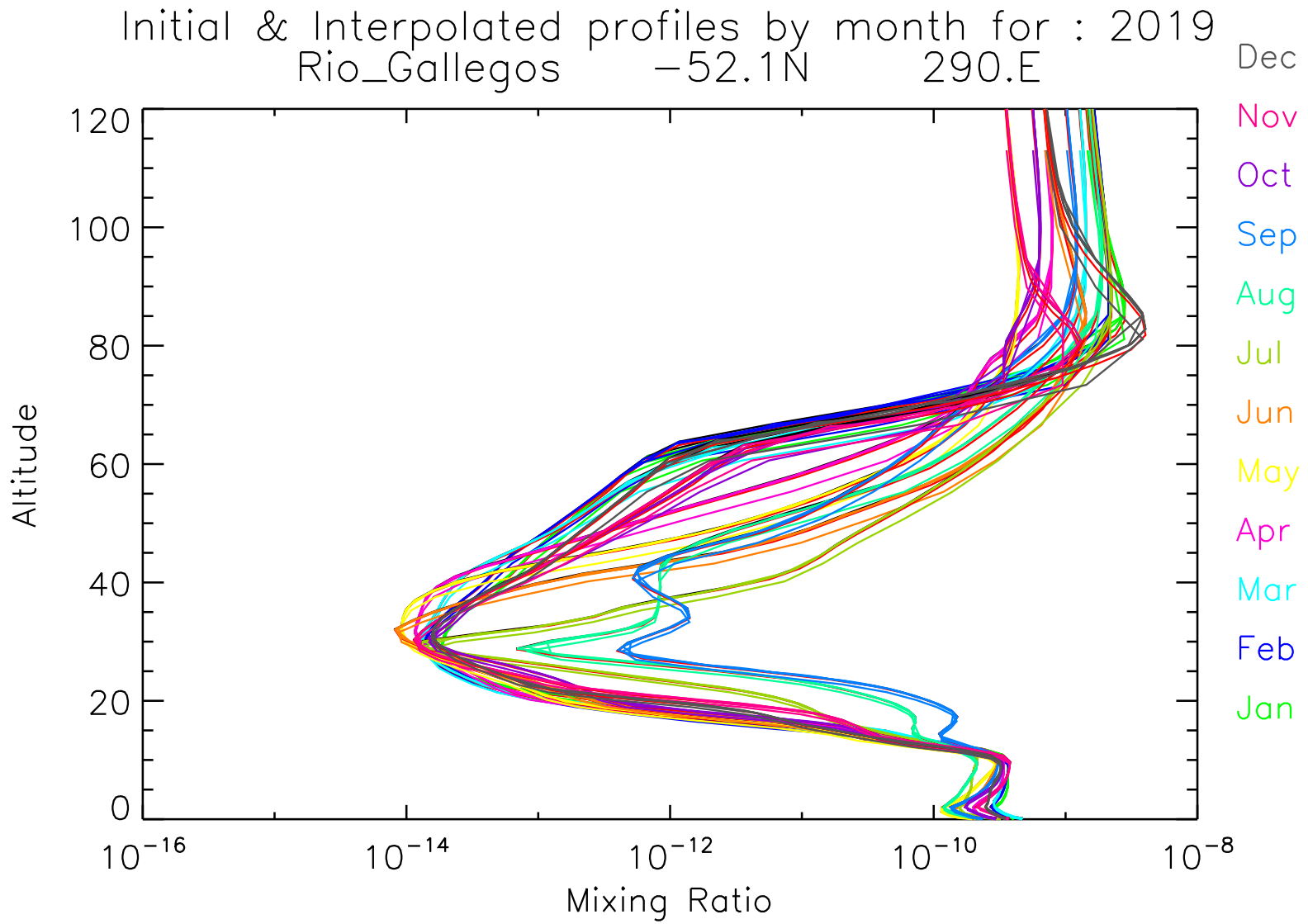

Initial & Interpolated profiles by month for : 2014
Rio_Gallegos −52.1N 290.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

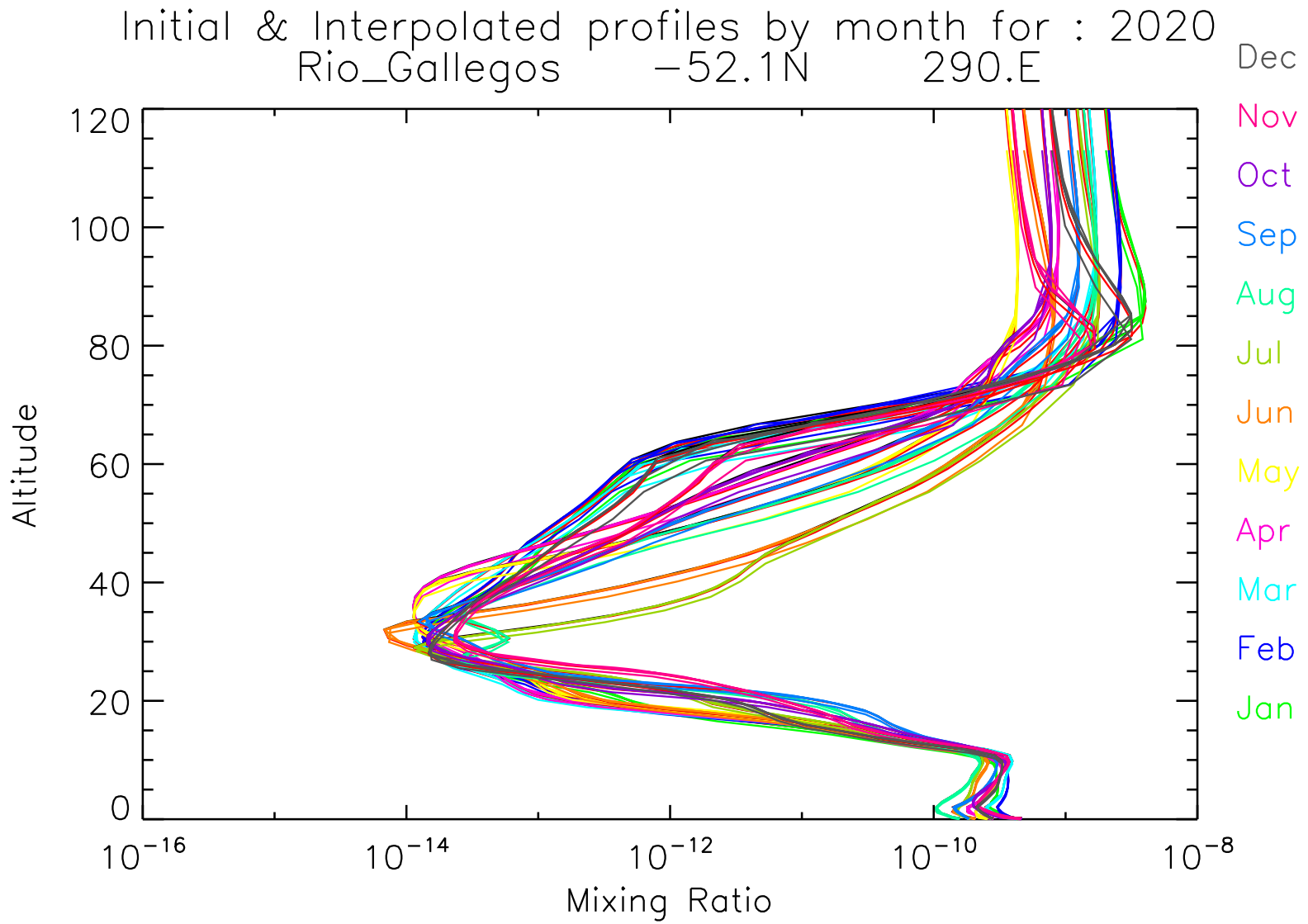

Initial & Interpolated profiles by month for : 2015
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

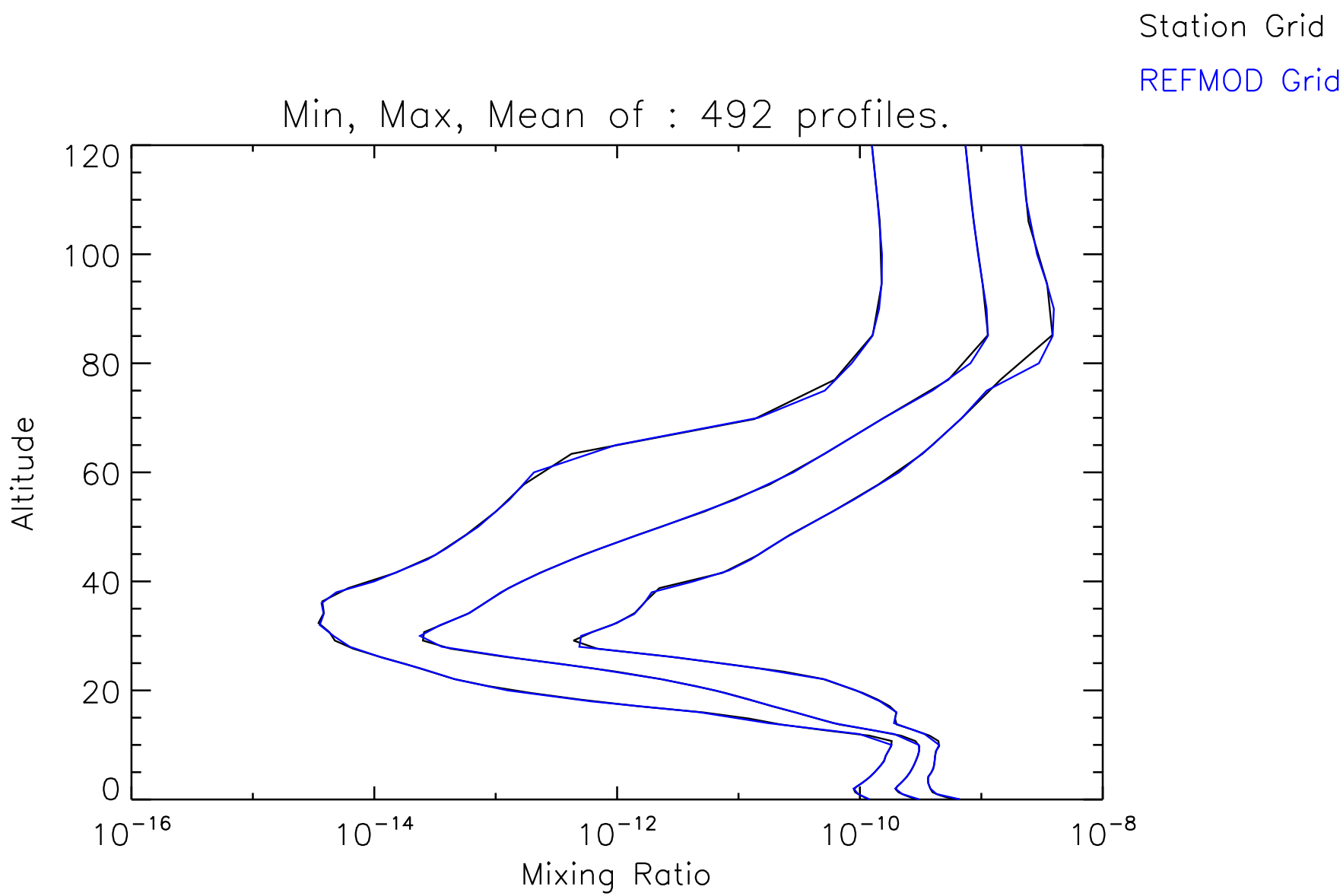

Initial & Interpolated profiles by month for : 2016
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

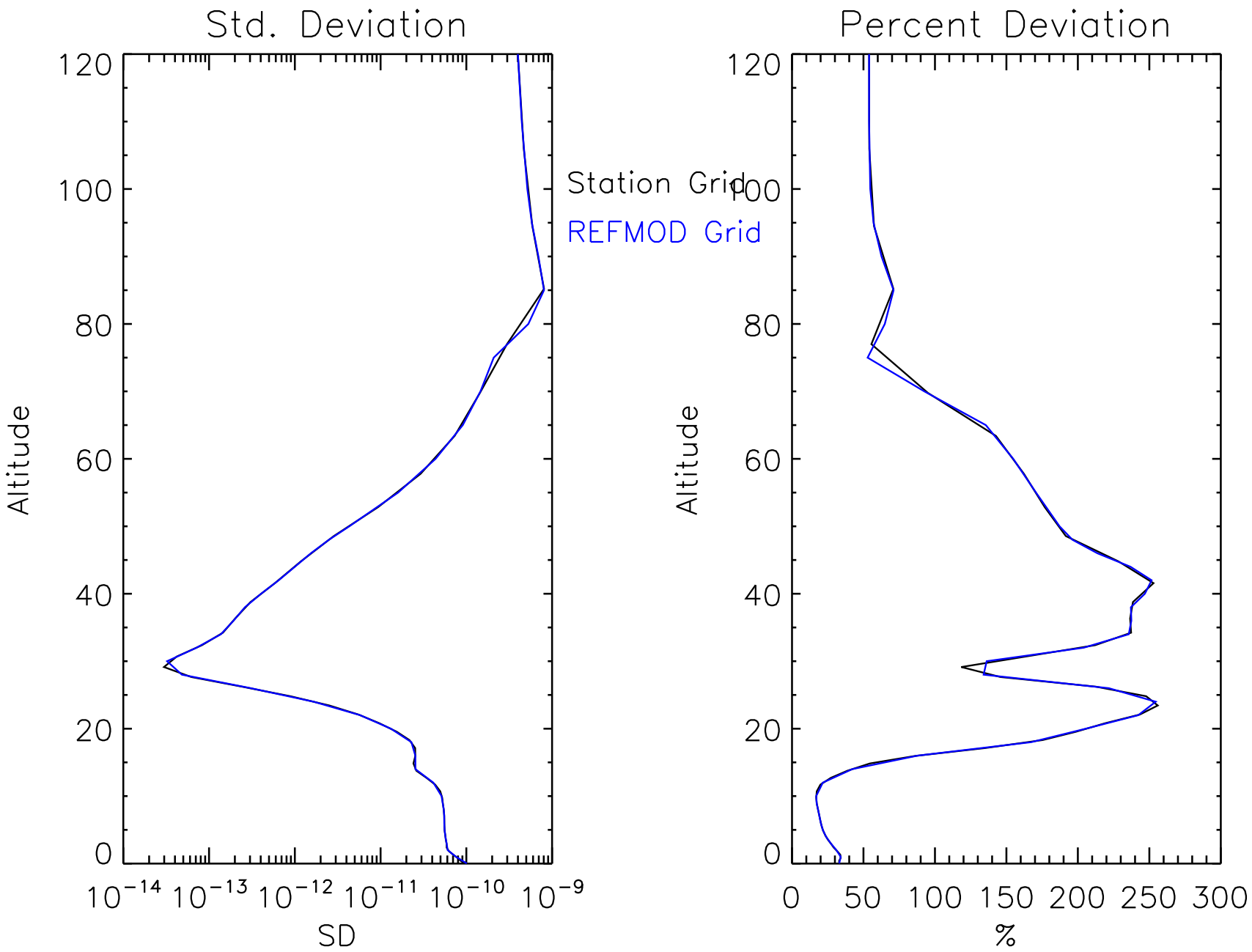

Initial & Interpolated profiles by month for : 2017
Rio_Gallegos −52.1N 290.E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

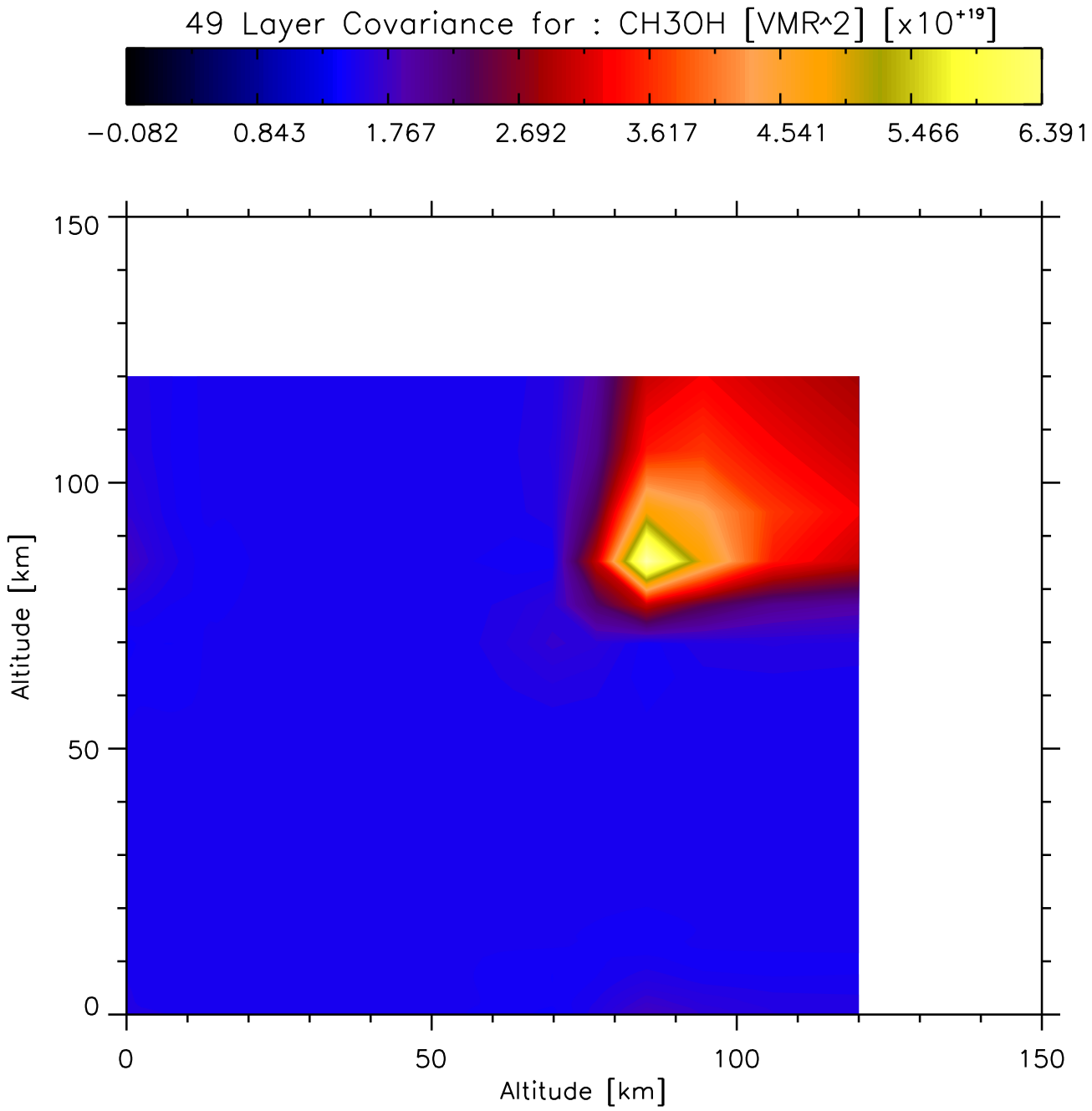

Initial & Interpolated profiles by month for : 2018
Rio_Gallegos −52.1N 290.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

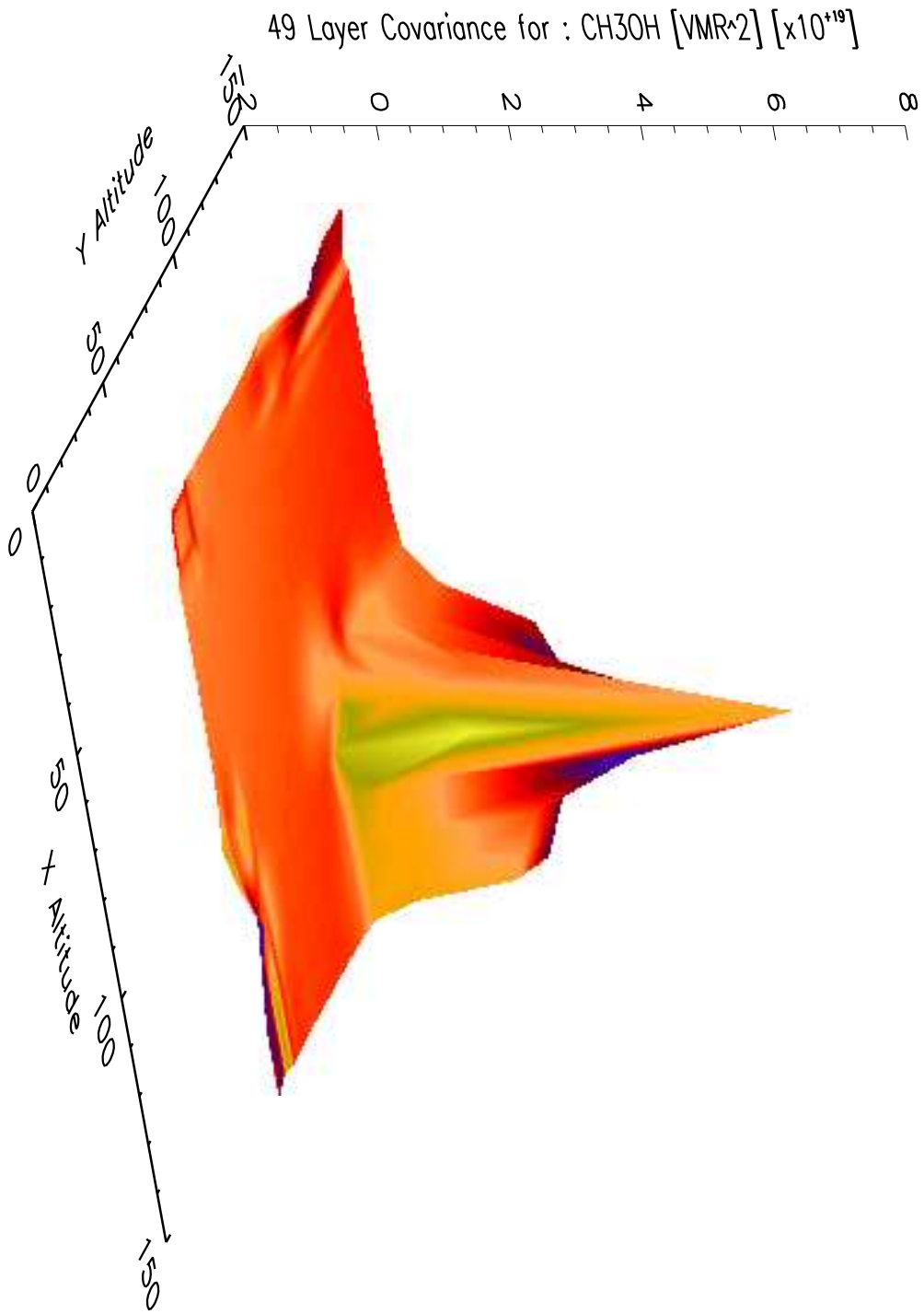

Initial & Interpolated profiles by month for : 2019
Rio_Gallegos −52.1N 290.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

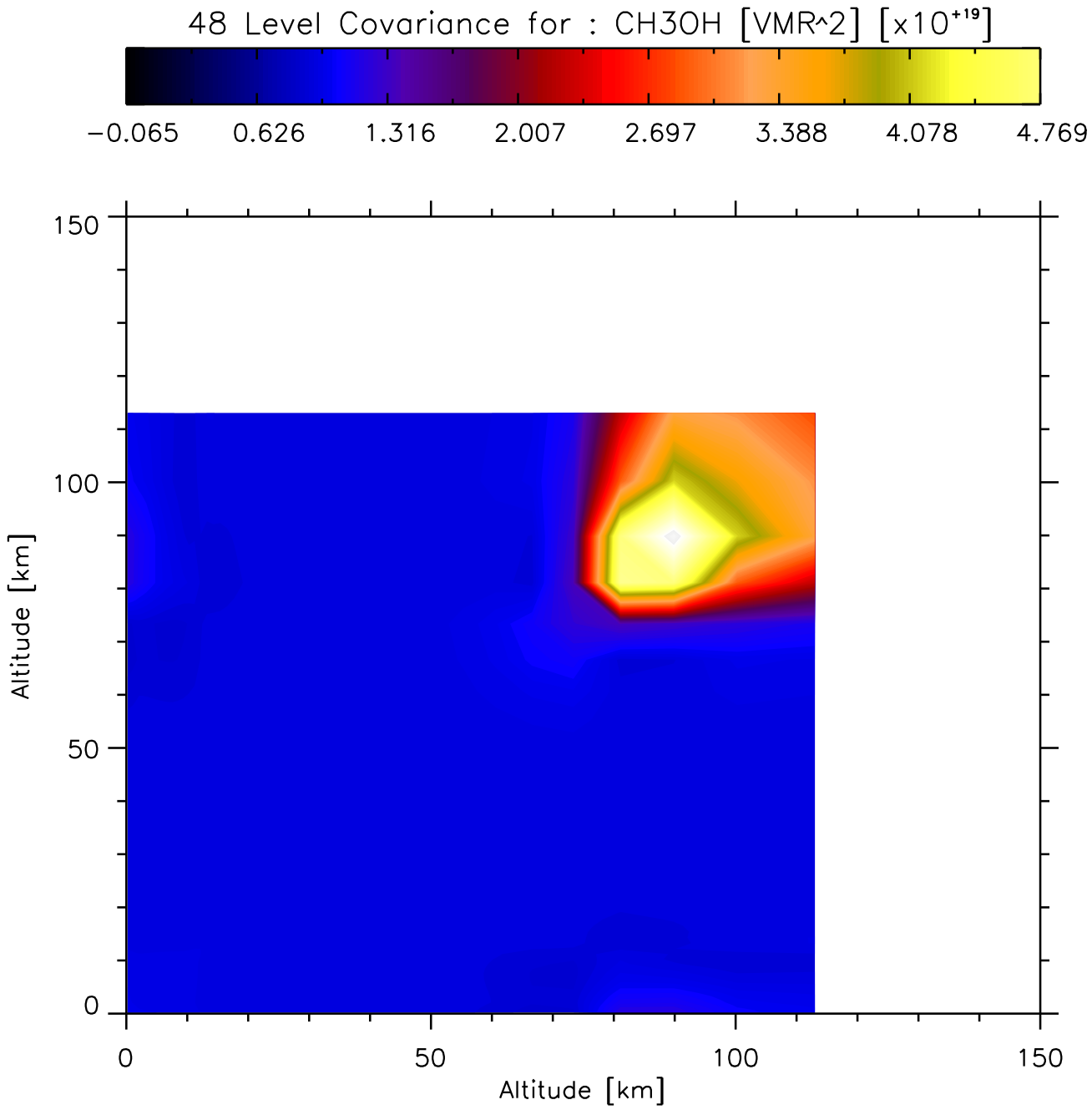

Initial & Interpolated profiles by month for : 2020
Rio_Gallegos −52.1N 290.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

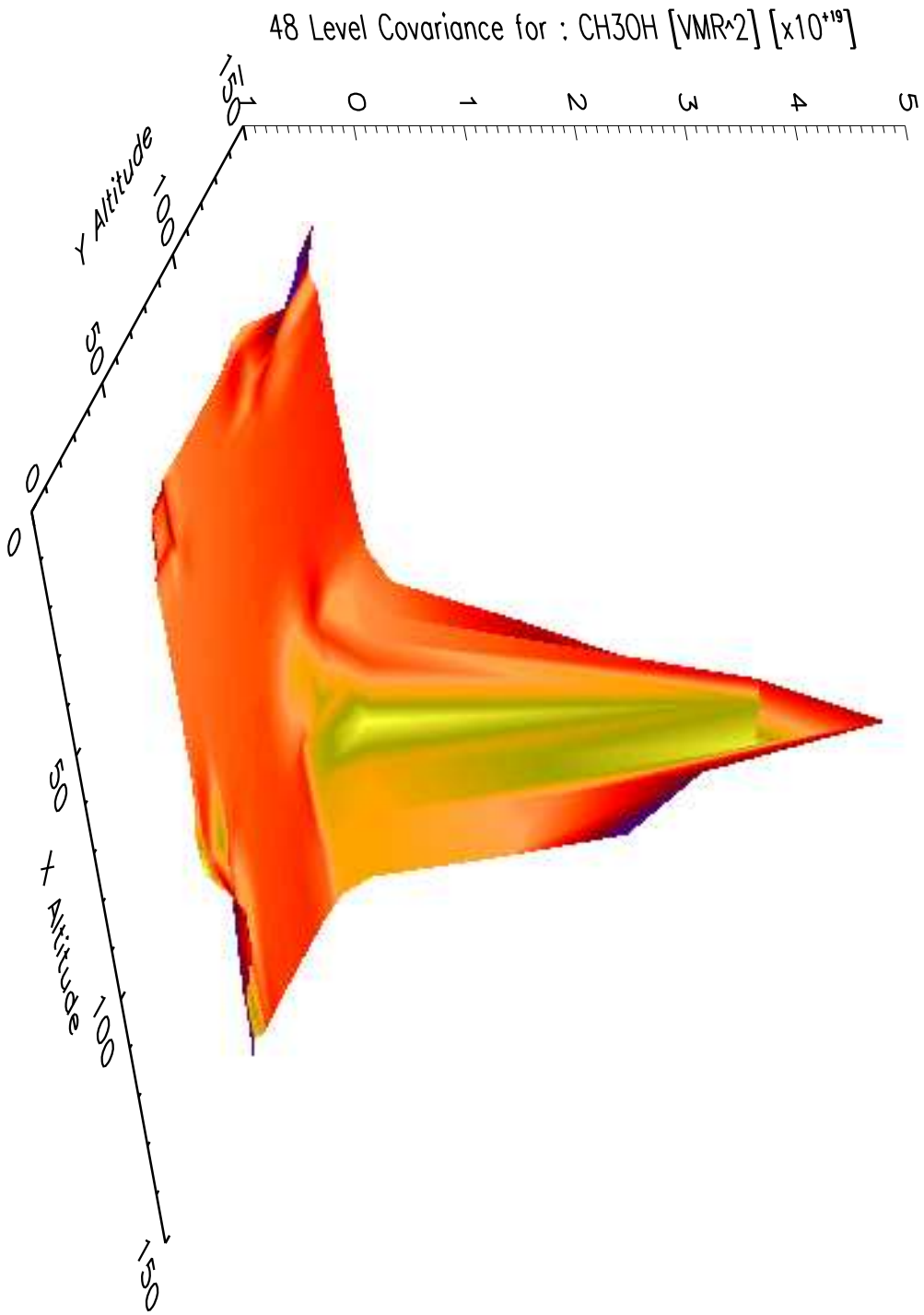

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-14} 10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9}
SD
0 50 100 150 200 250 300
%


49 Layer Covariance for : CH3OH [VMR^2] [x10^+19]
−0.082
0.843
1.767
2.692
3.617
4.541
5.466
6.391
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : CH3OH [VMR^2] [x10^+19]
Y Altitude
X Altitude
0
50
100
150
0
2
4
6
8


48 Level Covariance for : CH3OH [VMR^2] [x10^+19]
−0.065
0.626
1.316
2.007
2.697
3.388
4.078
4.769
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : CH3OH [VMR^2] [x10^+19]
0
1
2
3
4
5
150
100
50
0
Y Altitude
0
50
100
150
X Altitude