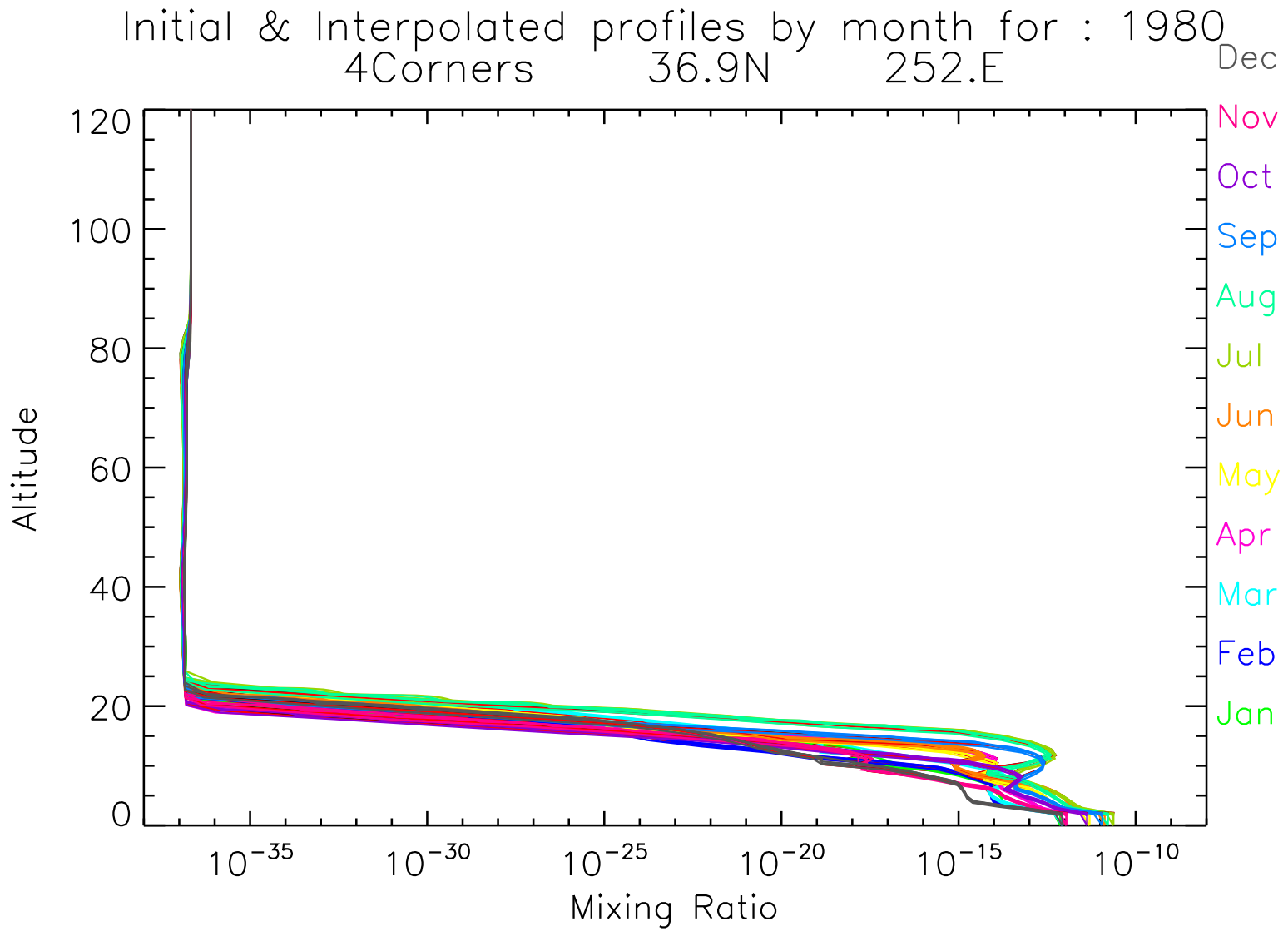
Initial & Interpolated profiles by month for : 1980
4Corners 36.9N 252.E
Dec
Nov
Oct
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Aug
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Apr
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Feb
Jan
Altitude
120
100
80
60
40
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0
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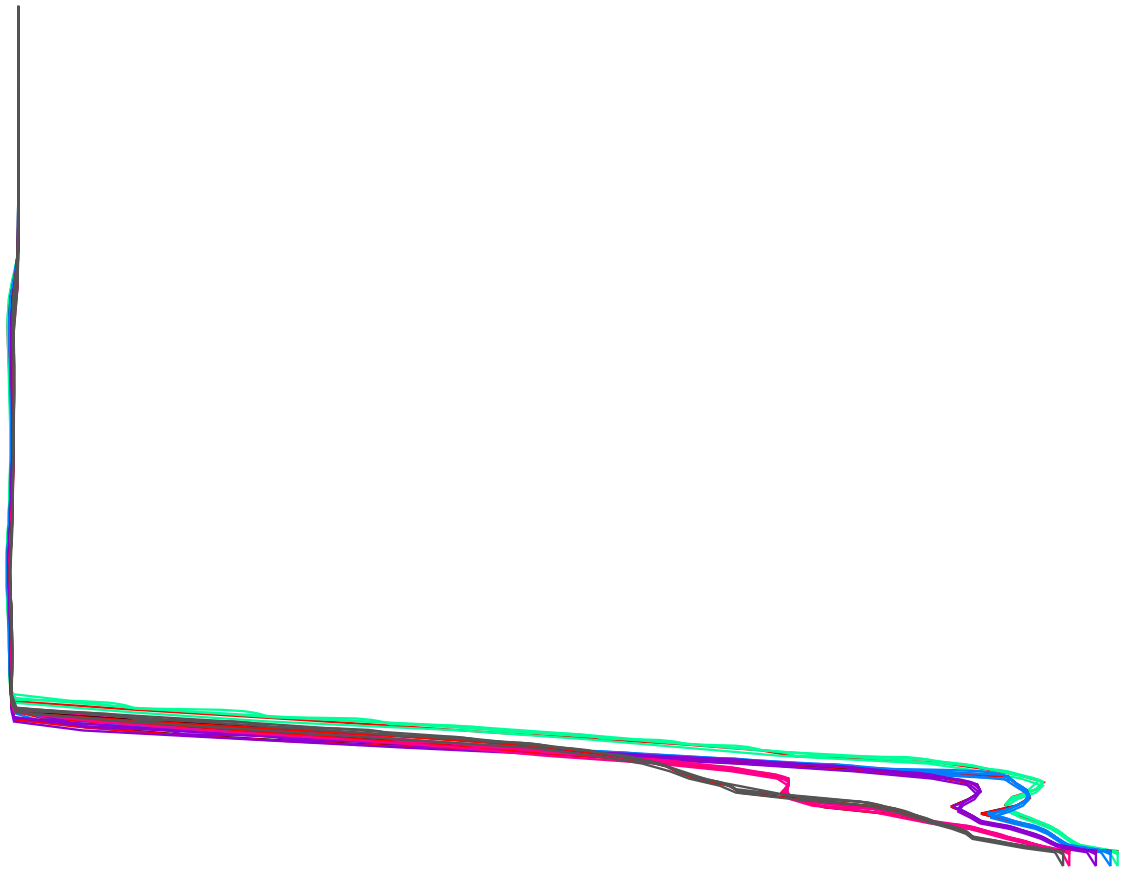
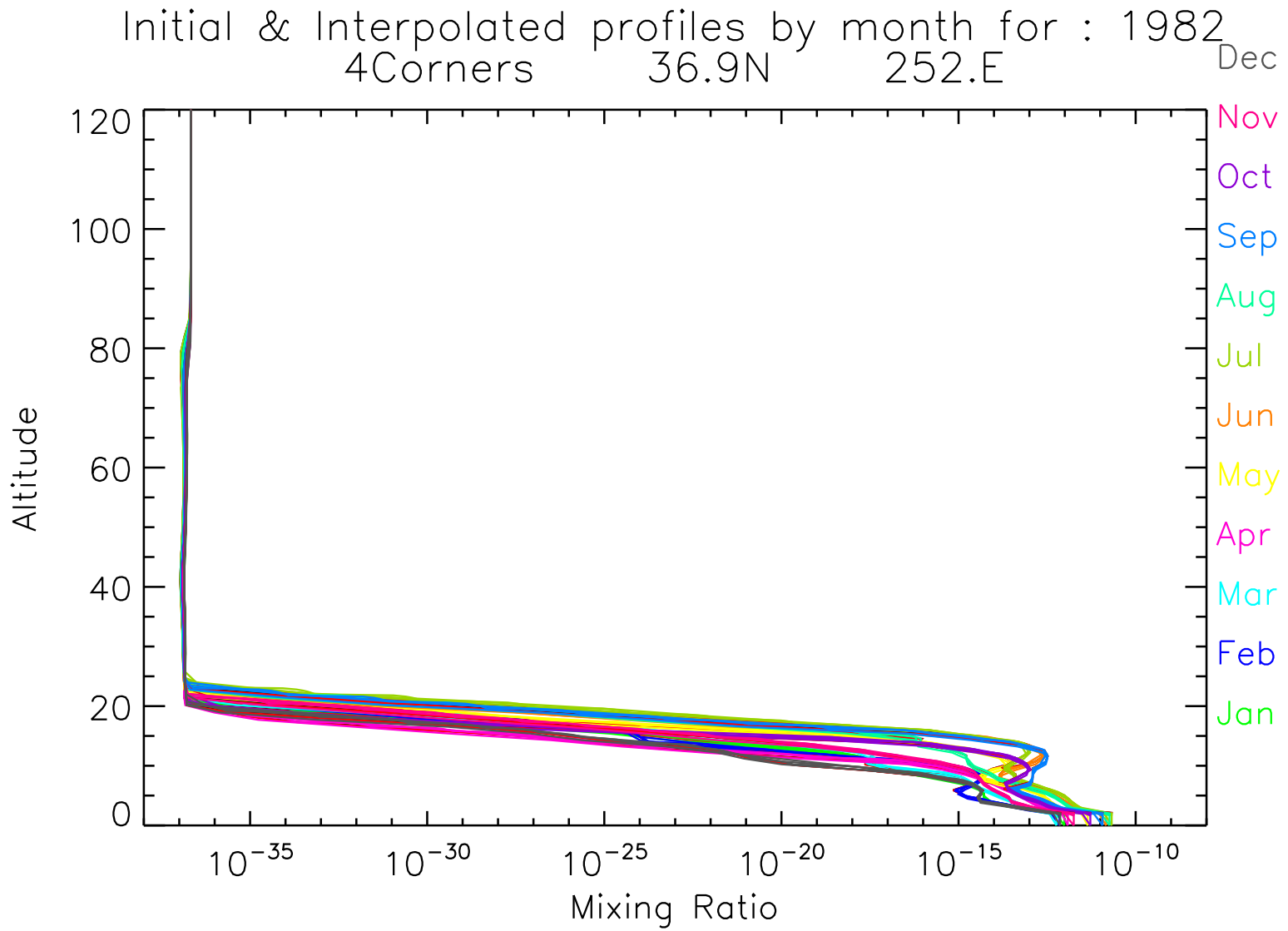
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

Initial & Interpolated profiles by month for : 19




Initial & Interpolated profiles by month for : 1982
4Corners 36.9N 252.E
Dec
Nov
Oct
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Aug
Jul
Jun
May
Apr
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Feb
Jan
Altitude
120
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10^{-30}
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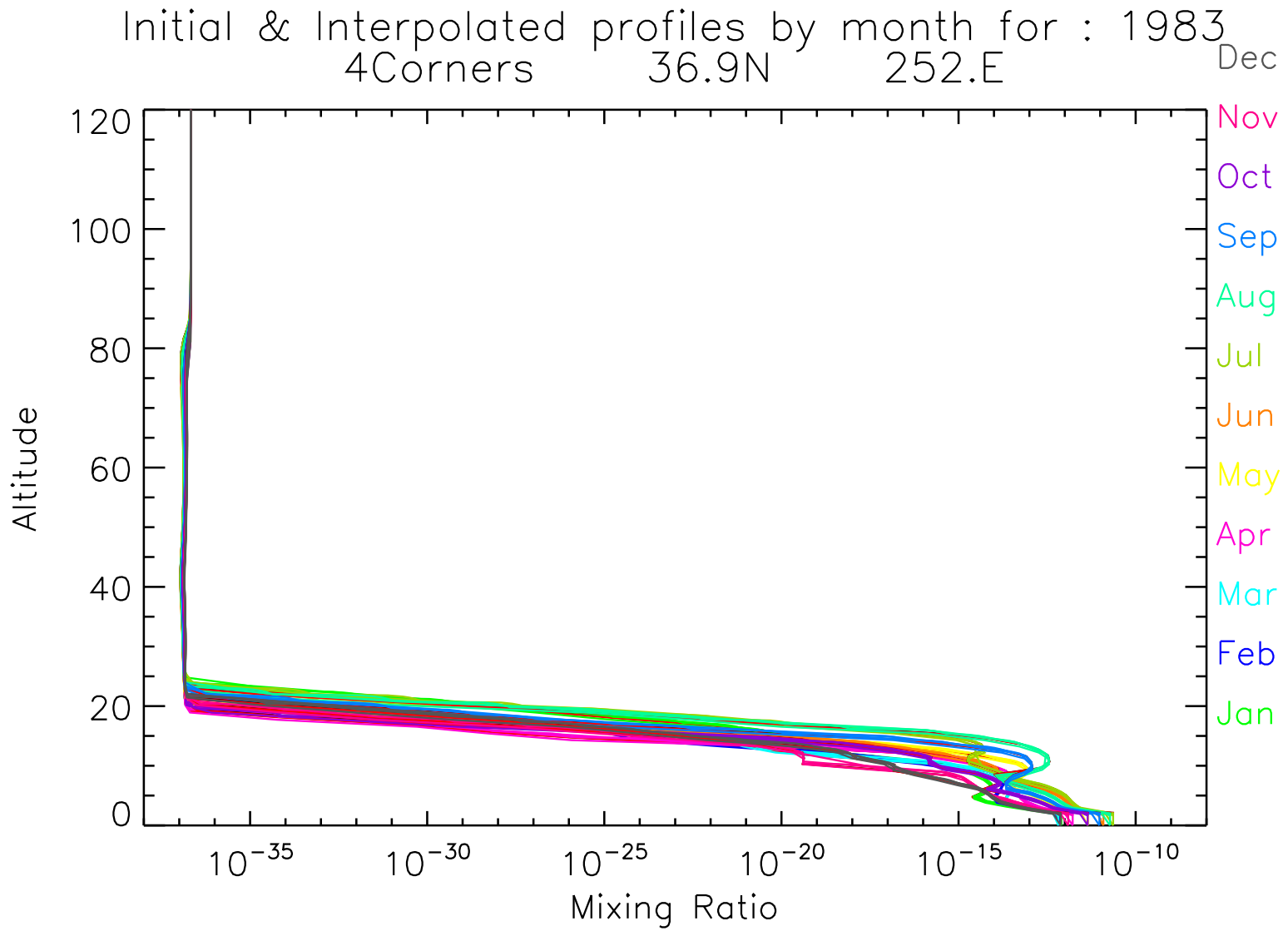
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
4Corners 36.9N 252.E
Dec
Nov
Oct
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Jun
May
Apr
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Feb
Jan
Altitude
120
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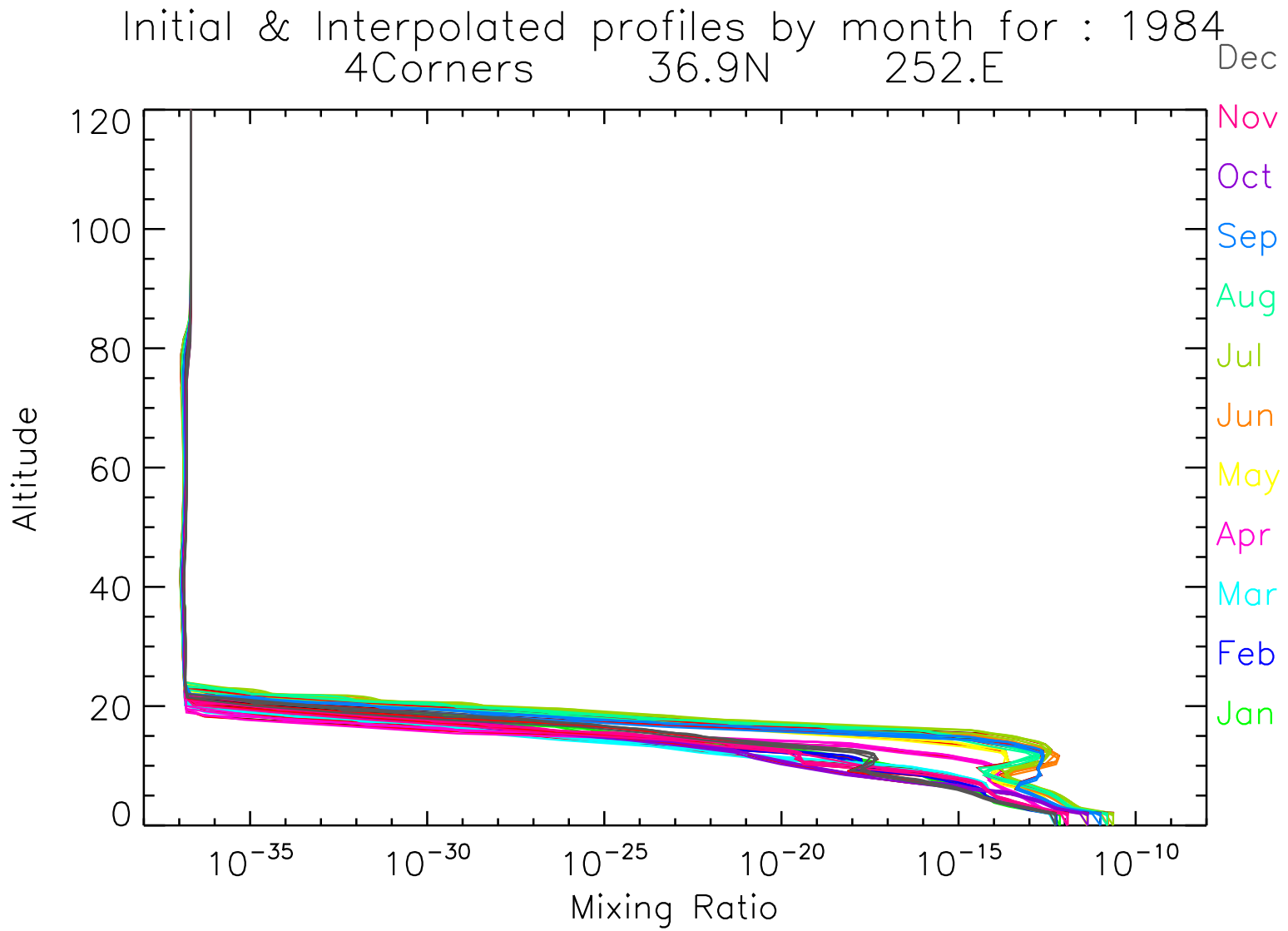
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
4Corners 36.9N 252.E
Dec
Nov
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Feb
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Altitude
120
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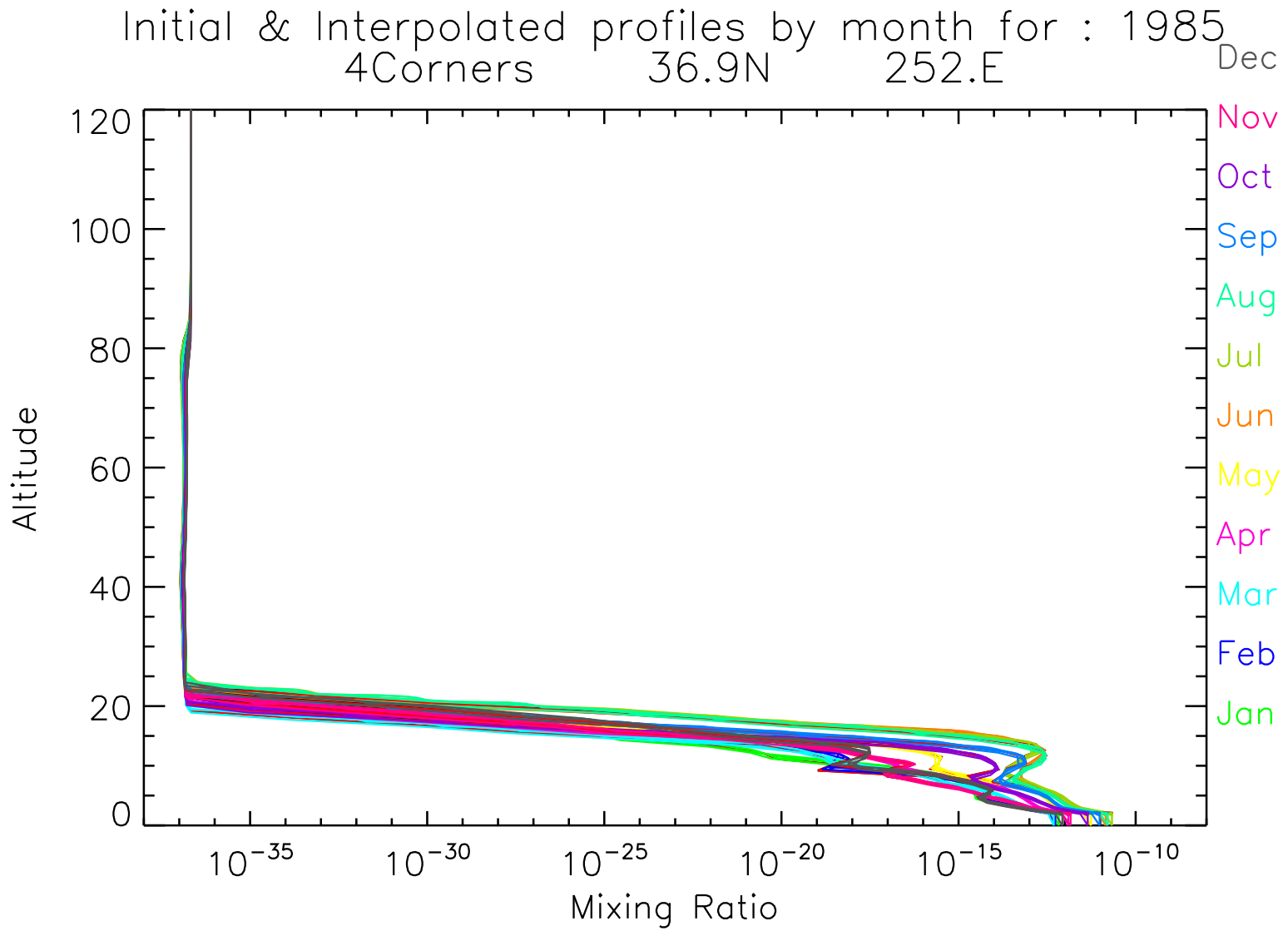
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
4Corners 36.9N 252.E
Dec
Nov
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Altitude
120
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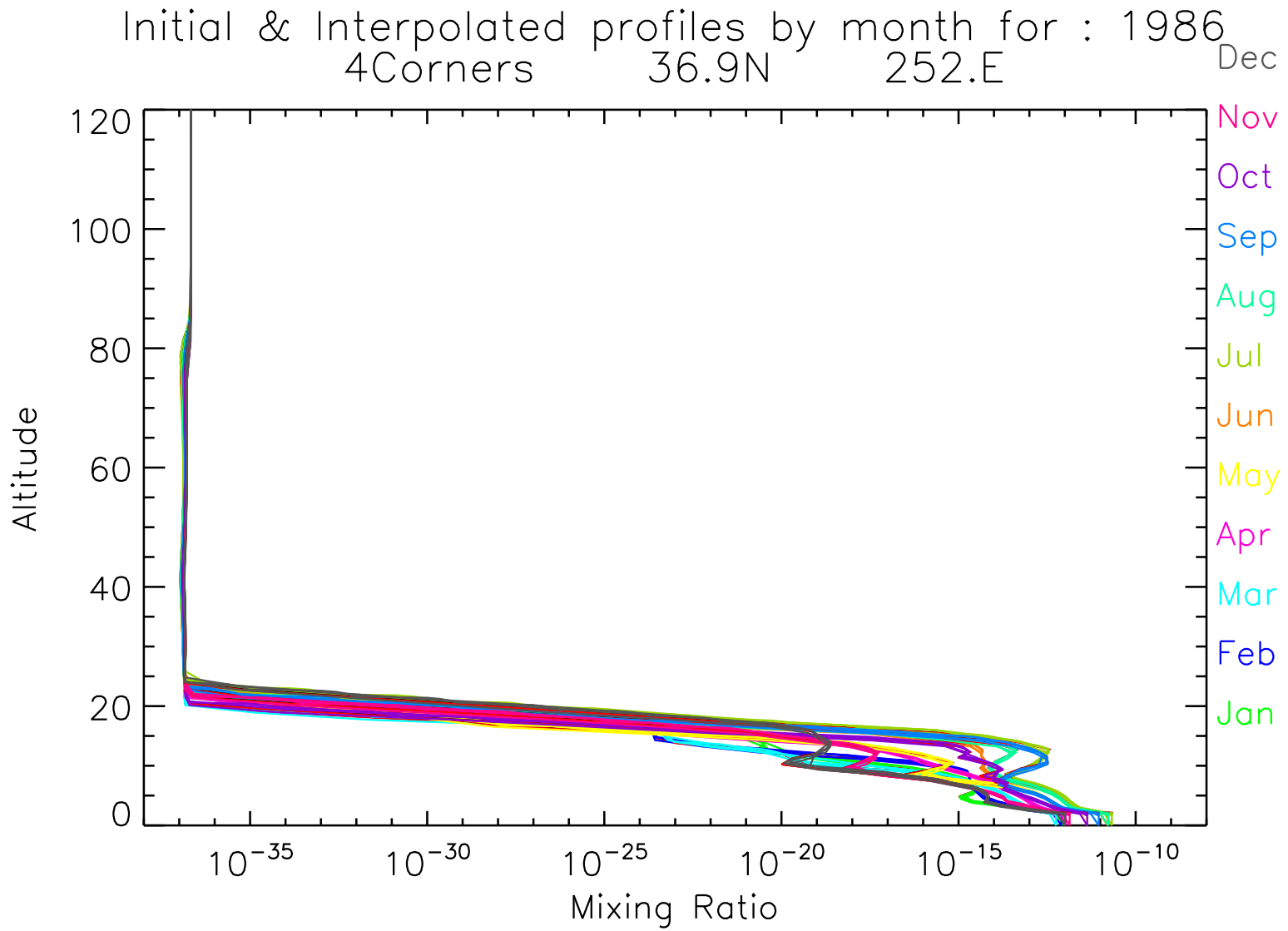
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
4Corners 36.9N 252.E
Dec
Nov
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Feb
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Altitude
120
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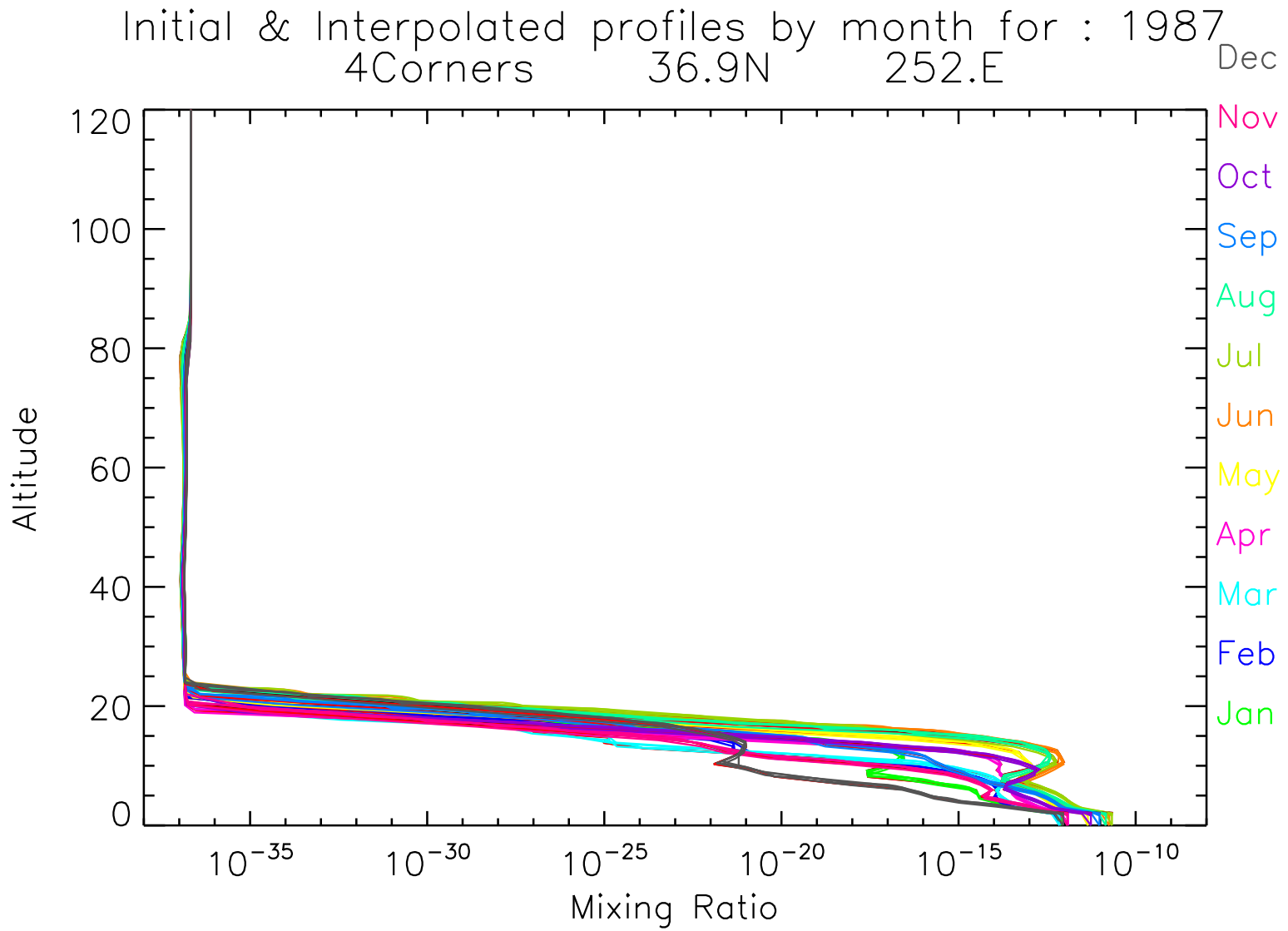
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
4Corners 36.9N 252.E
Dec
Nov
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Altitude
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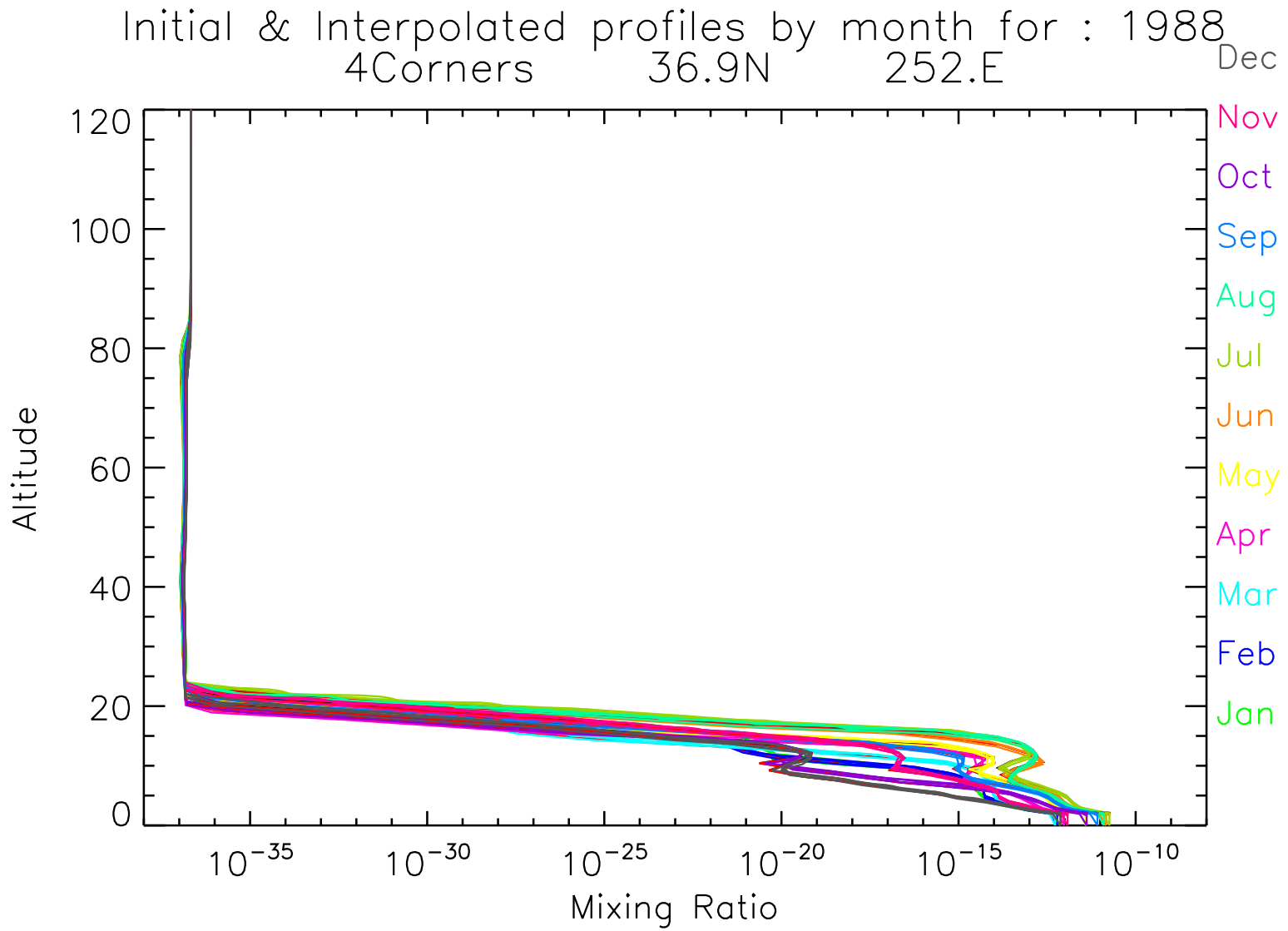
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
4Corners 36.9N 252.E
Dec
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Altitude
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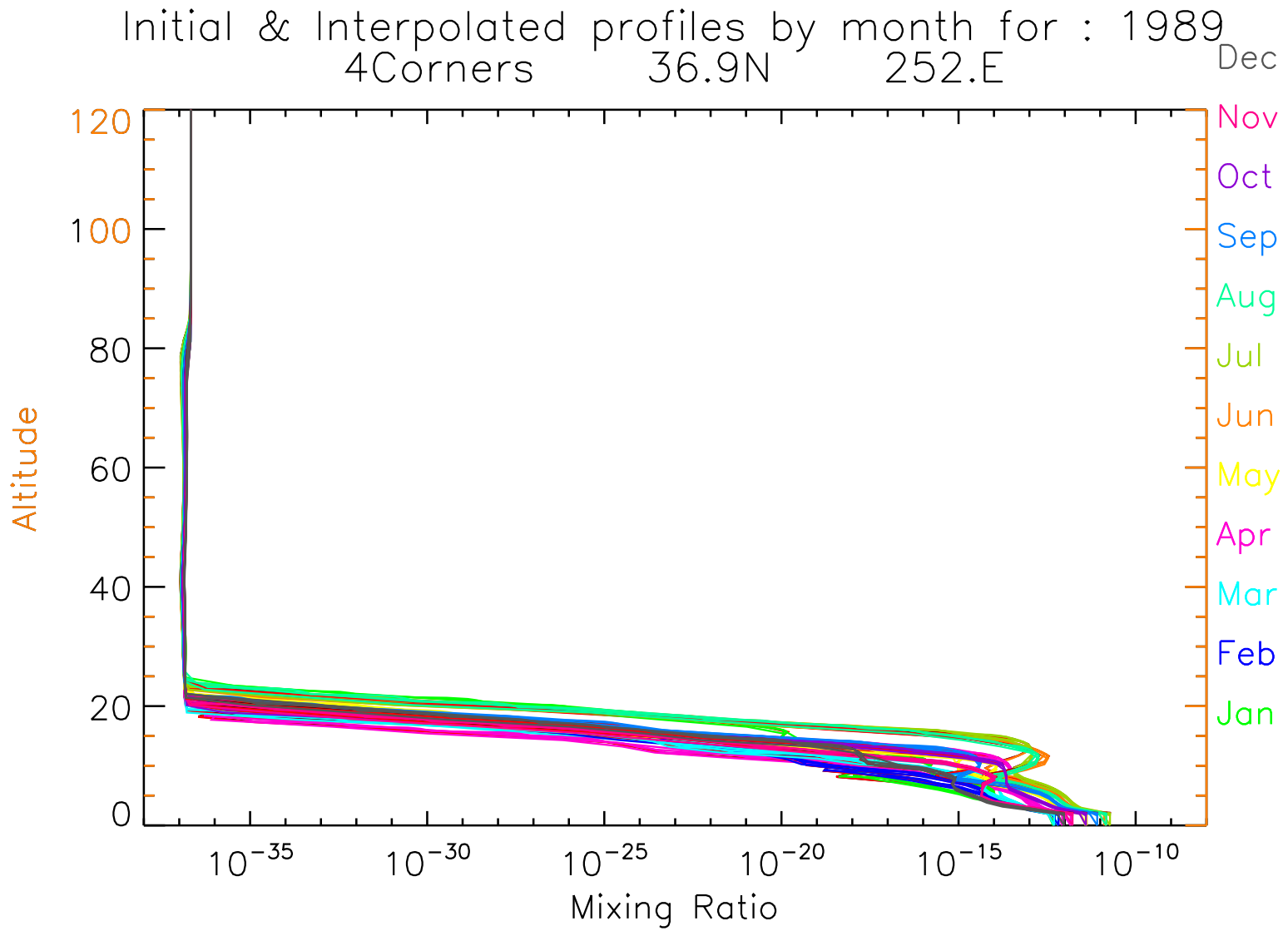
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
4Corners 36.9N 252.E
Dec
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Altitude
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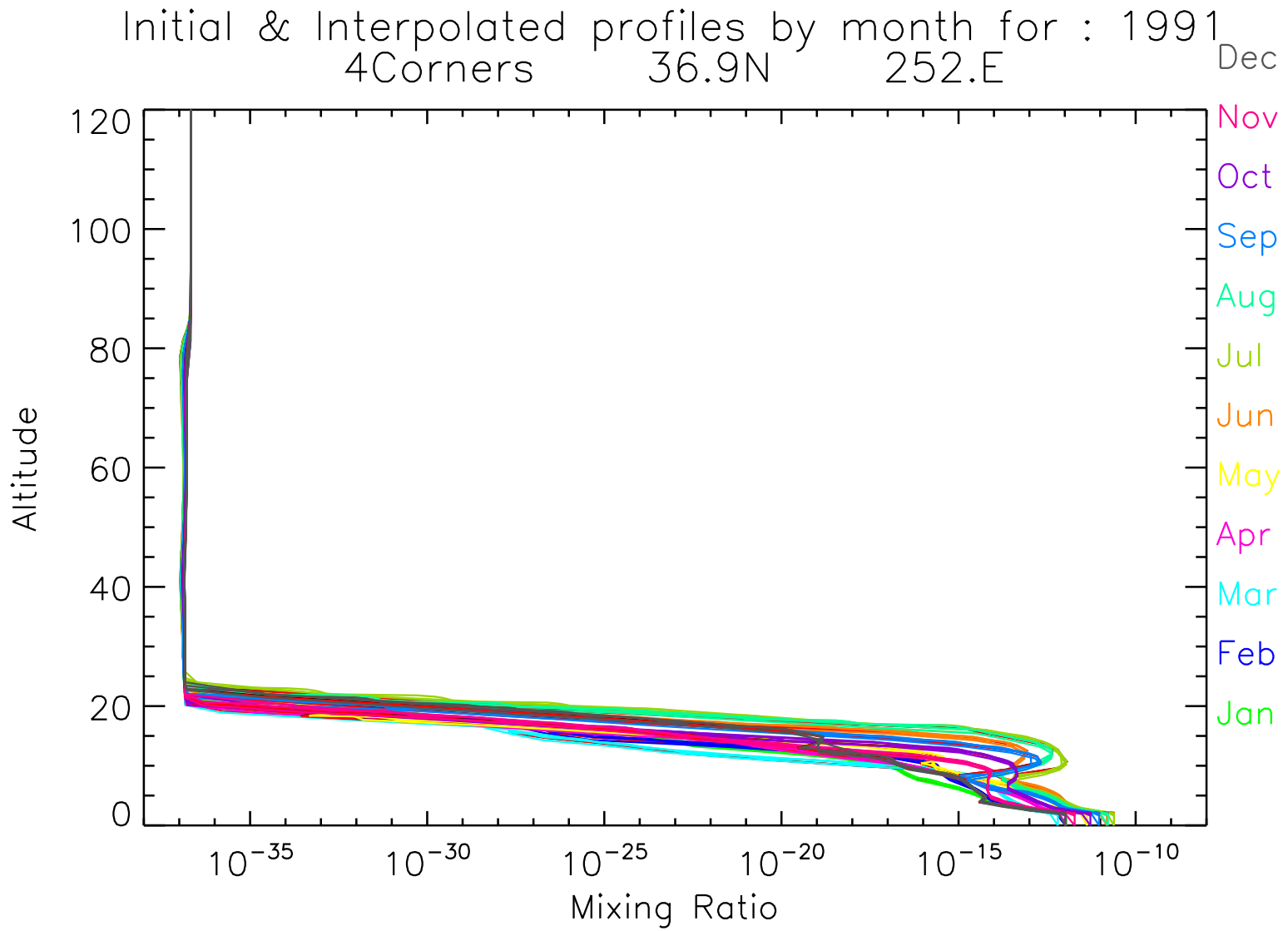
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
4Corners 36.9N 252.E
Dec
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Feb
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Altitude
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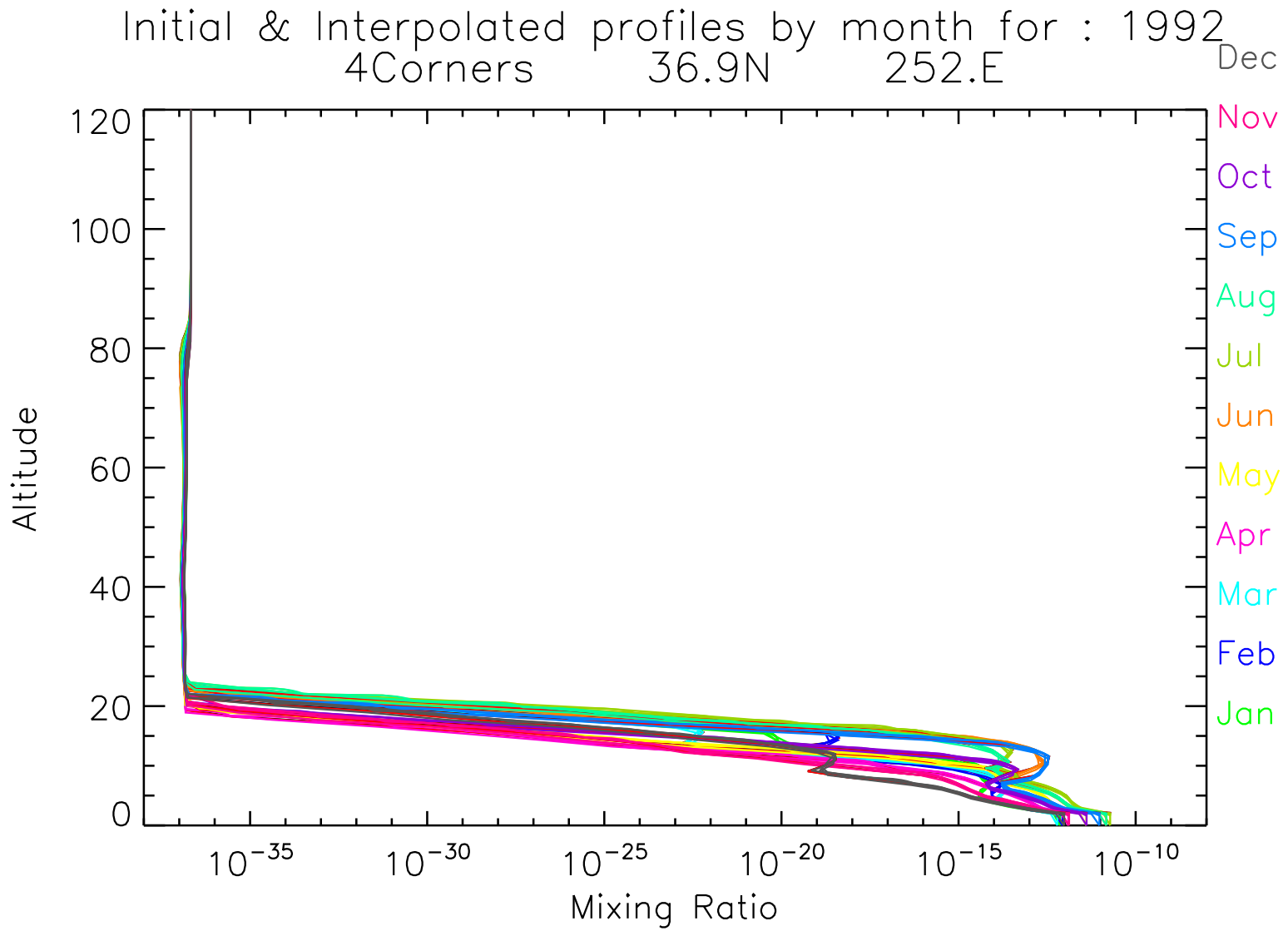
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
4Corners 36.9N 252.E
Dec
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Altitude
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10^{-20}
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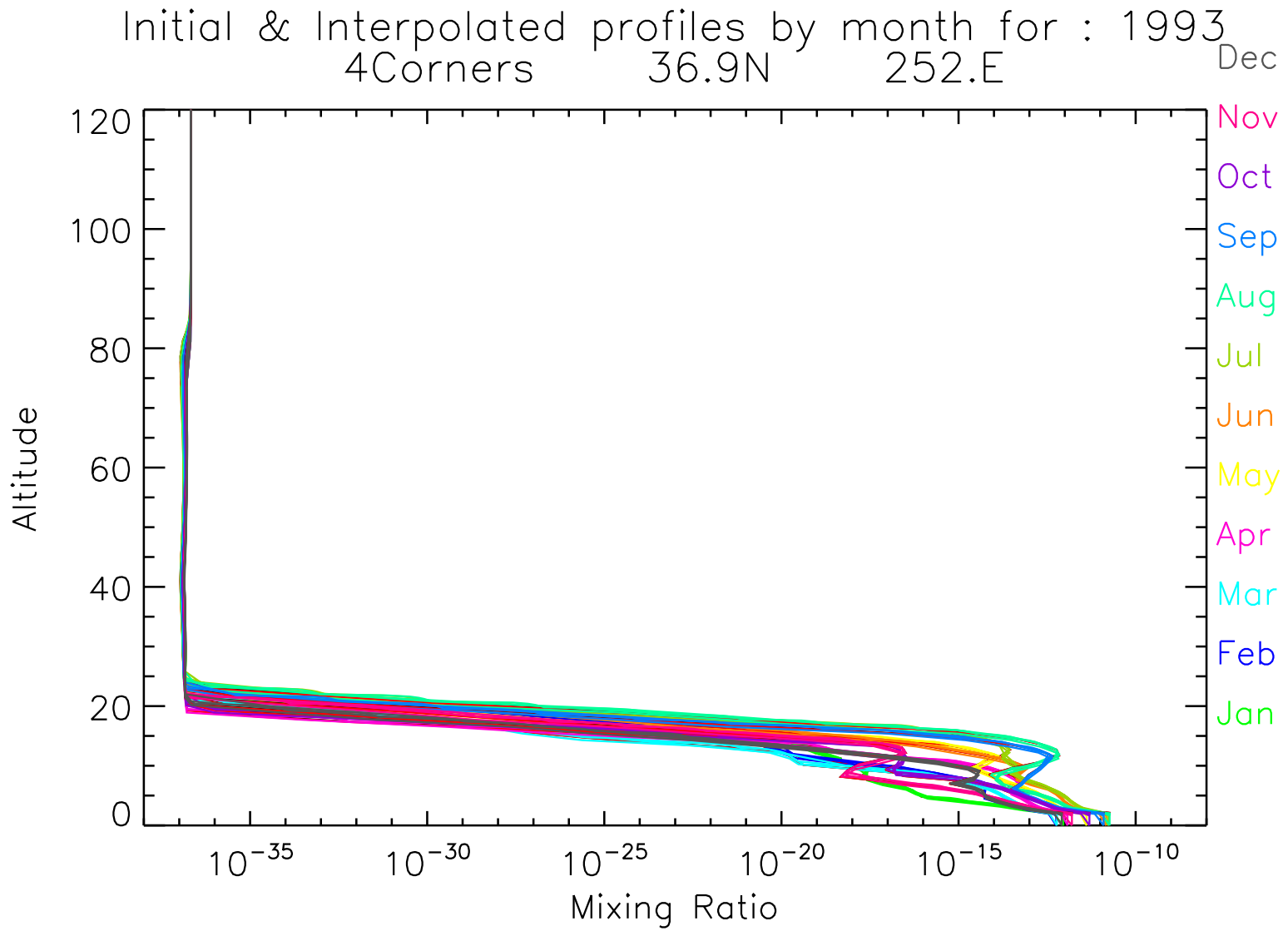
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
4Corners 36.9N 252.E
Dec
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Altitude
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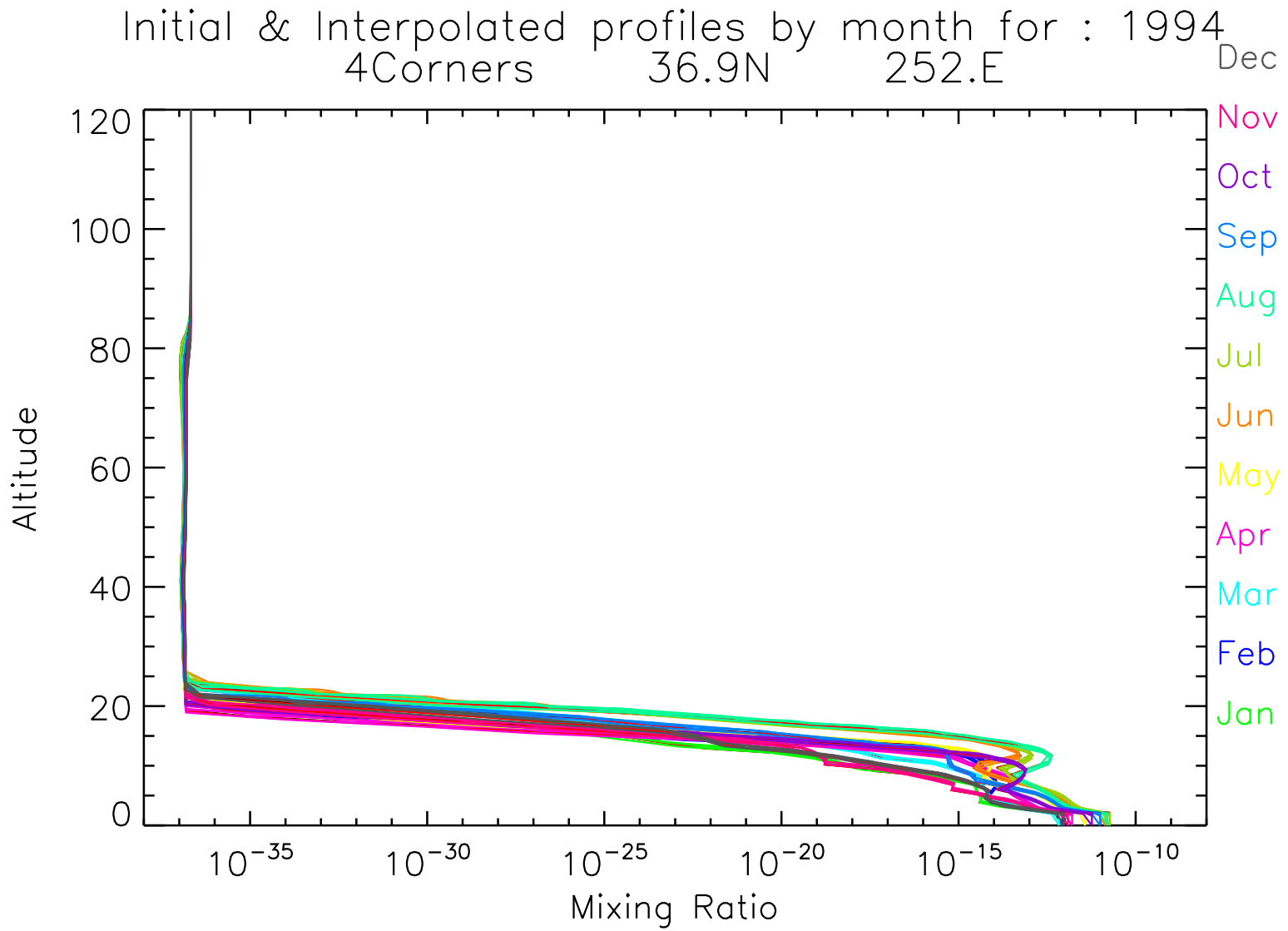
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
4Corners 36.9N 252.E
Dec
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Altitude
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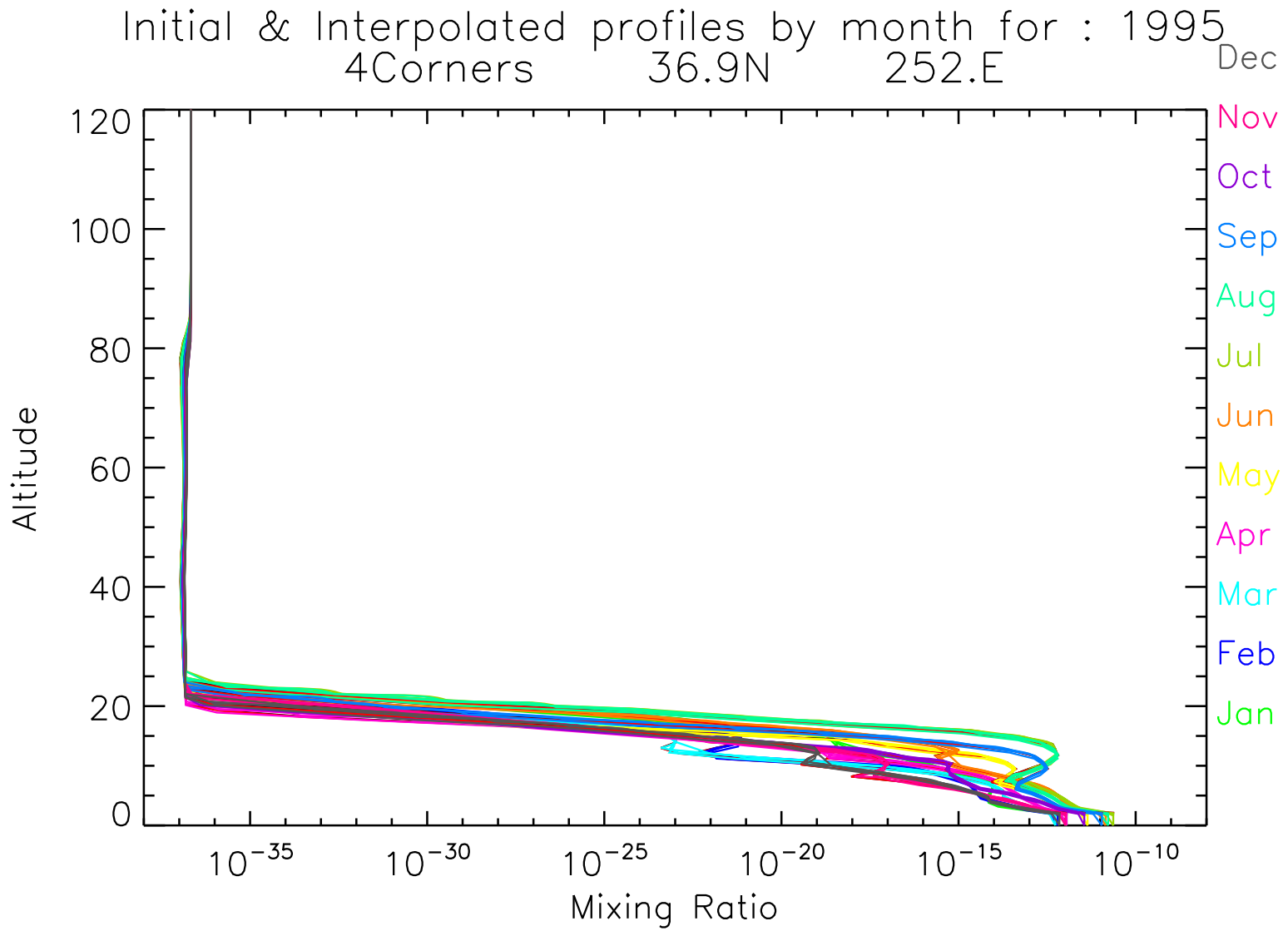
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
4Corners 36.9N 252.E
Dec
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Feb
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Altitude
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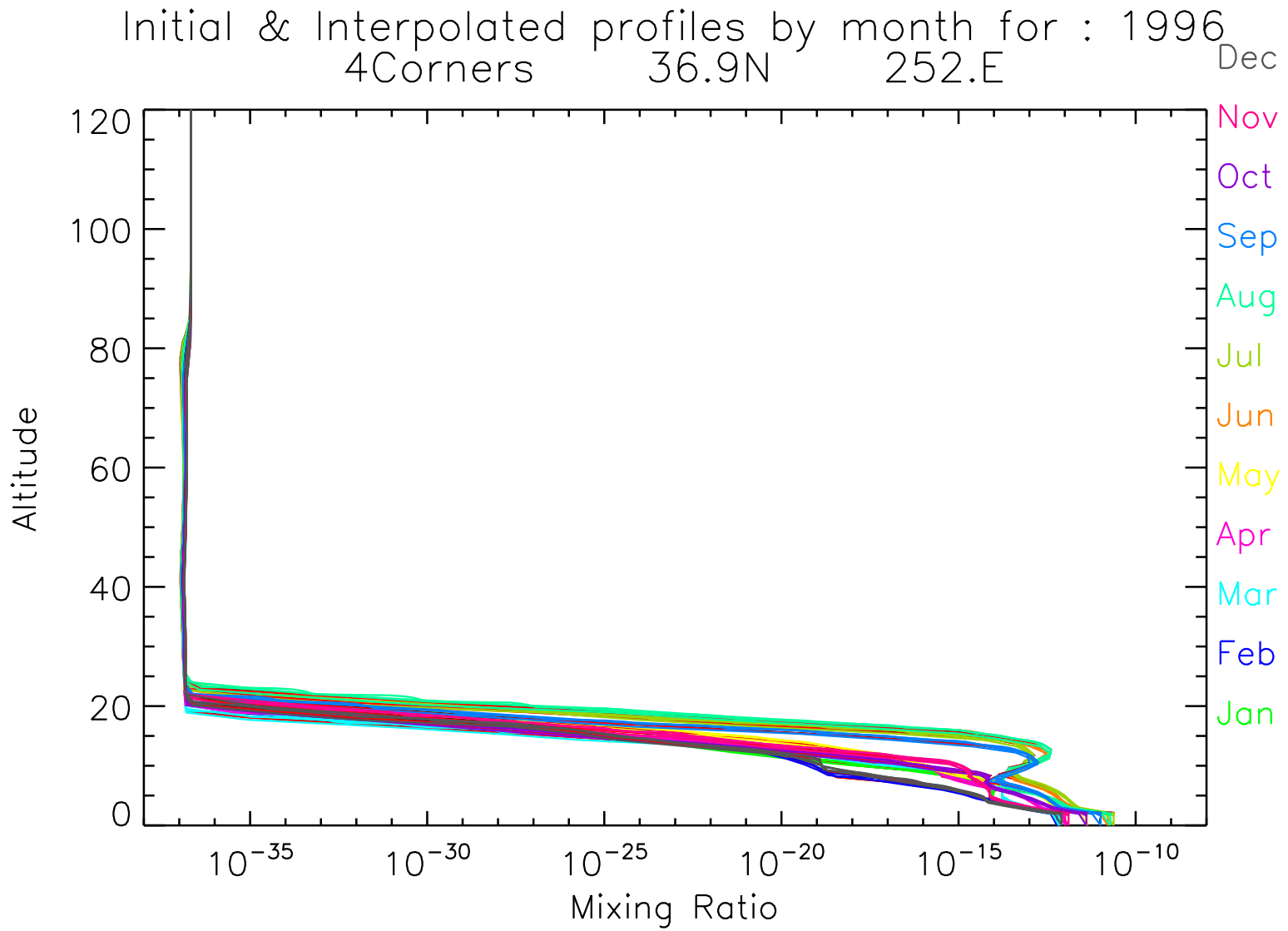
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
4Corners 36.9N 252.E
Dec
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Altitude
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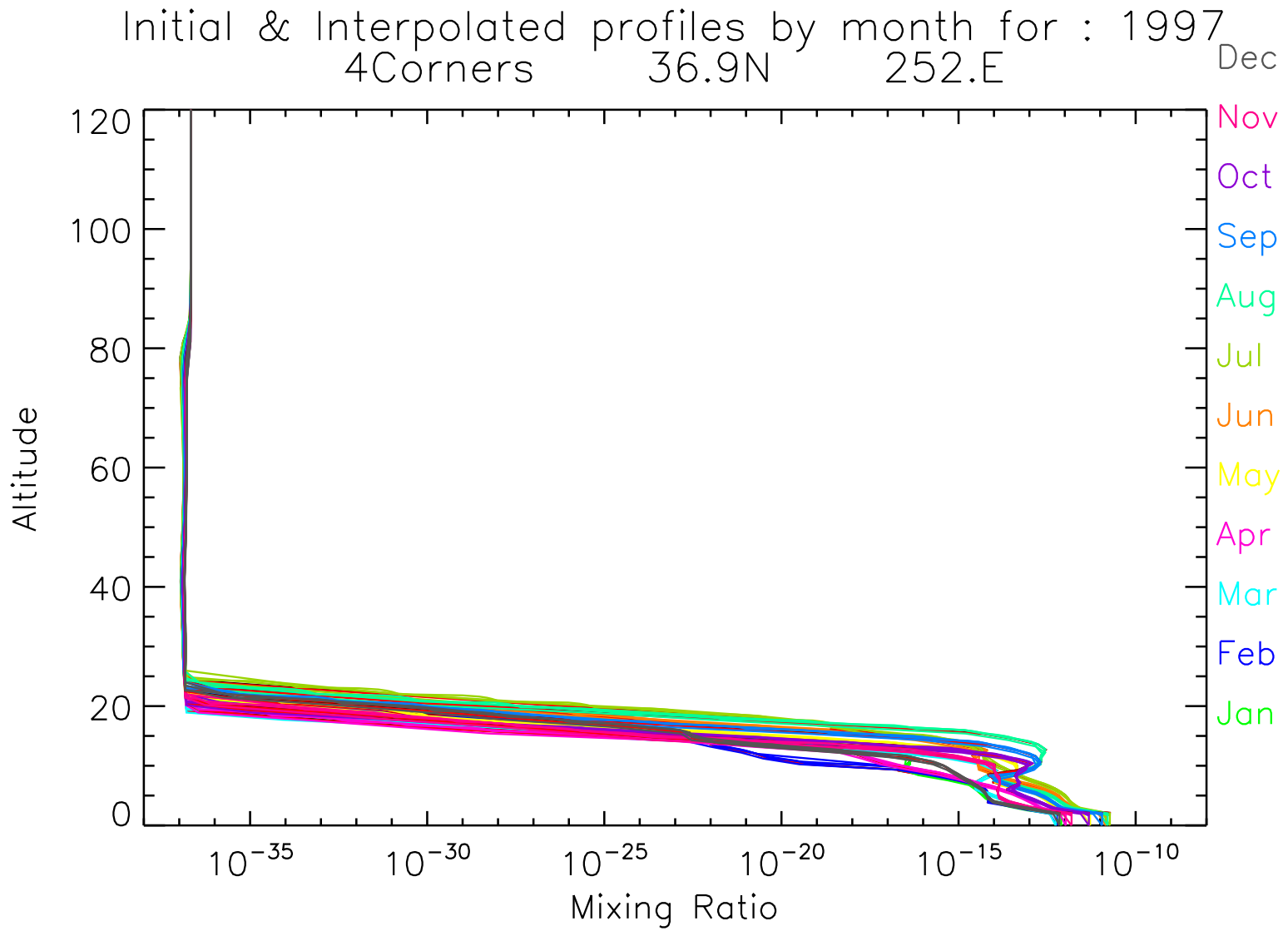
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
4Corners 36.9N 252.E
Dec
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Altitude
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10^{-35}
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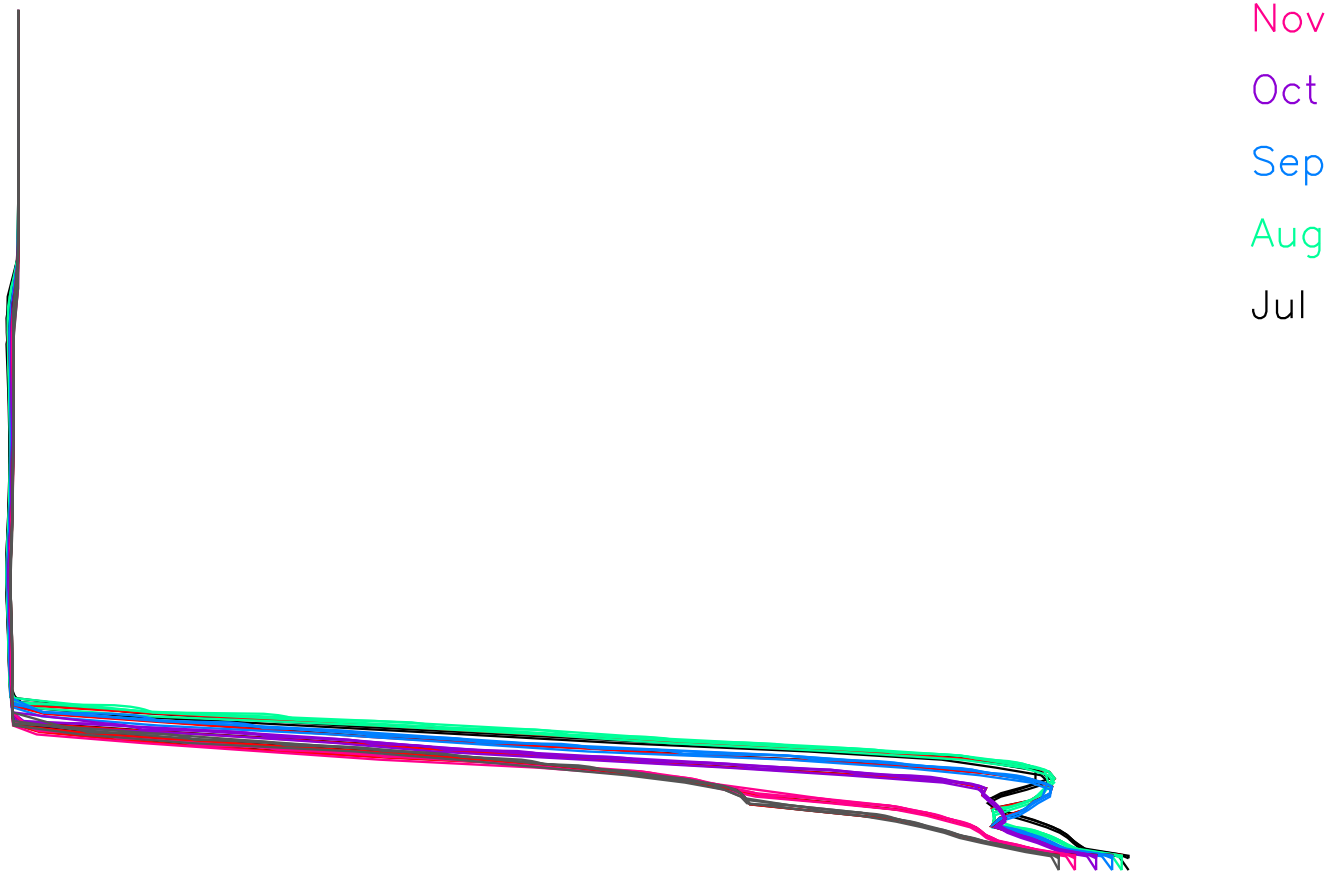
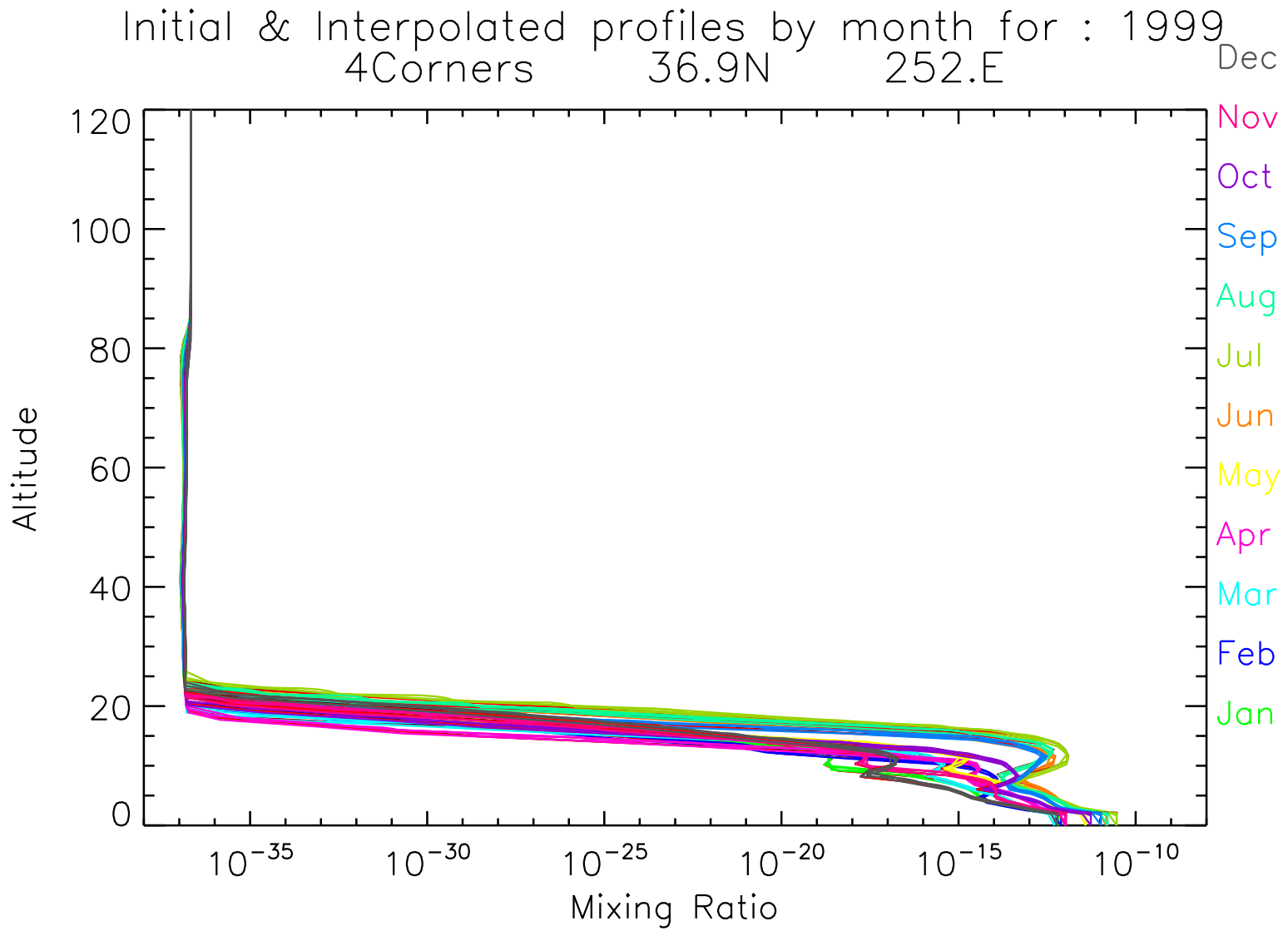
10^{-15}
10^{-10}
Mixing Ratio

Initial & Interpolated prd




Initial & Interpolated profiles by month for : 1999
4Corners 36.9N 252.E
Dec
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Feb
Jan
Altitude
120
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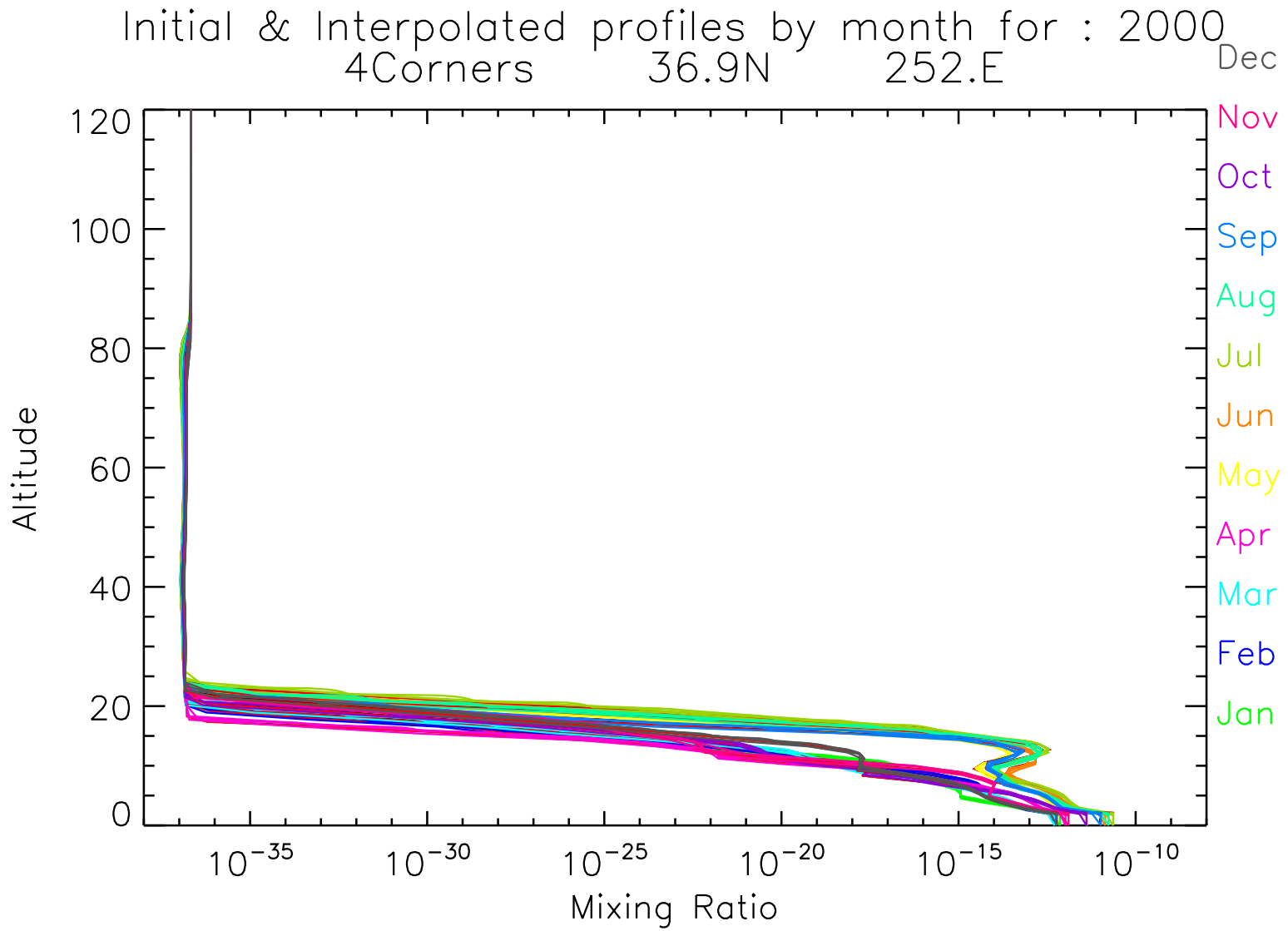
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
4Corners 36.9N 252.E
Dec
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Feb
Jan
Altitude
120
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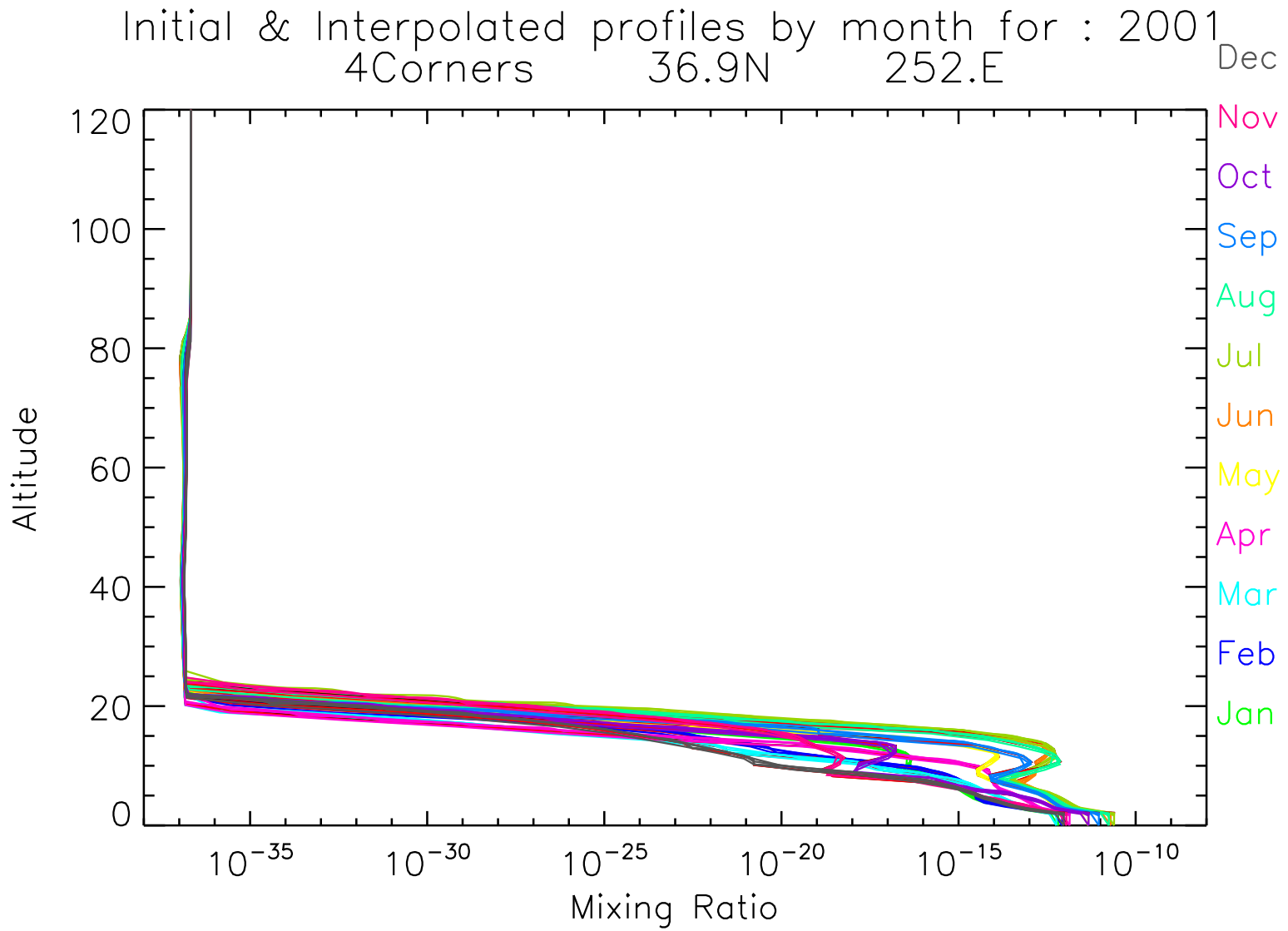
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
4Corners 36.9N 252.E
Dec
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Altitude
120
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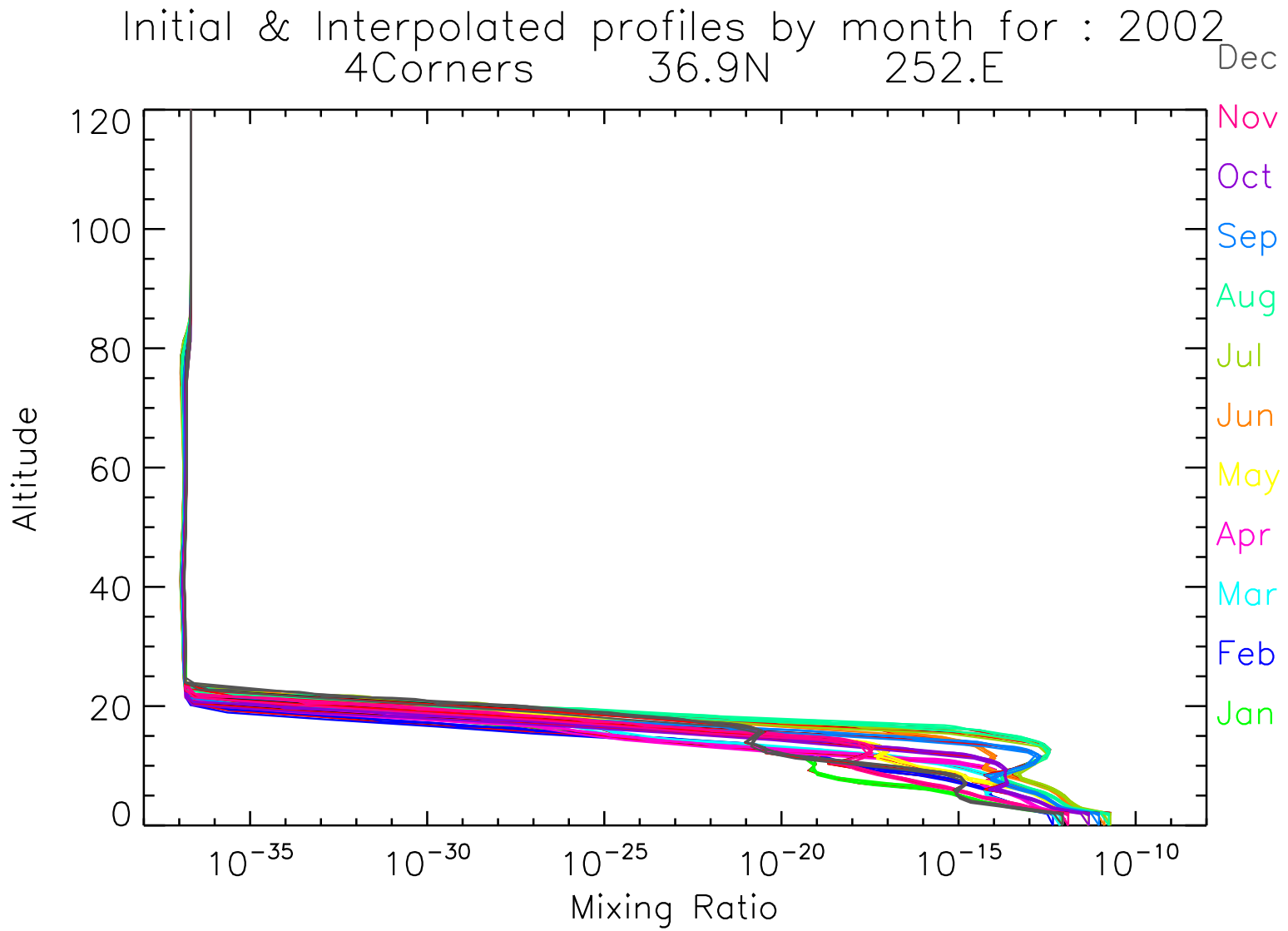
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
4Corners 36.9N 252.E
Dec
Nov
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May
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Feb
Jan
Altitude
120
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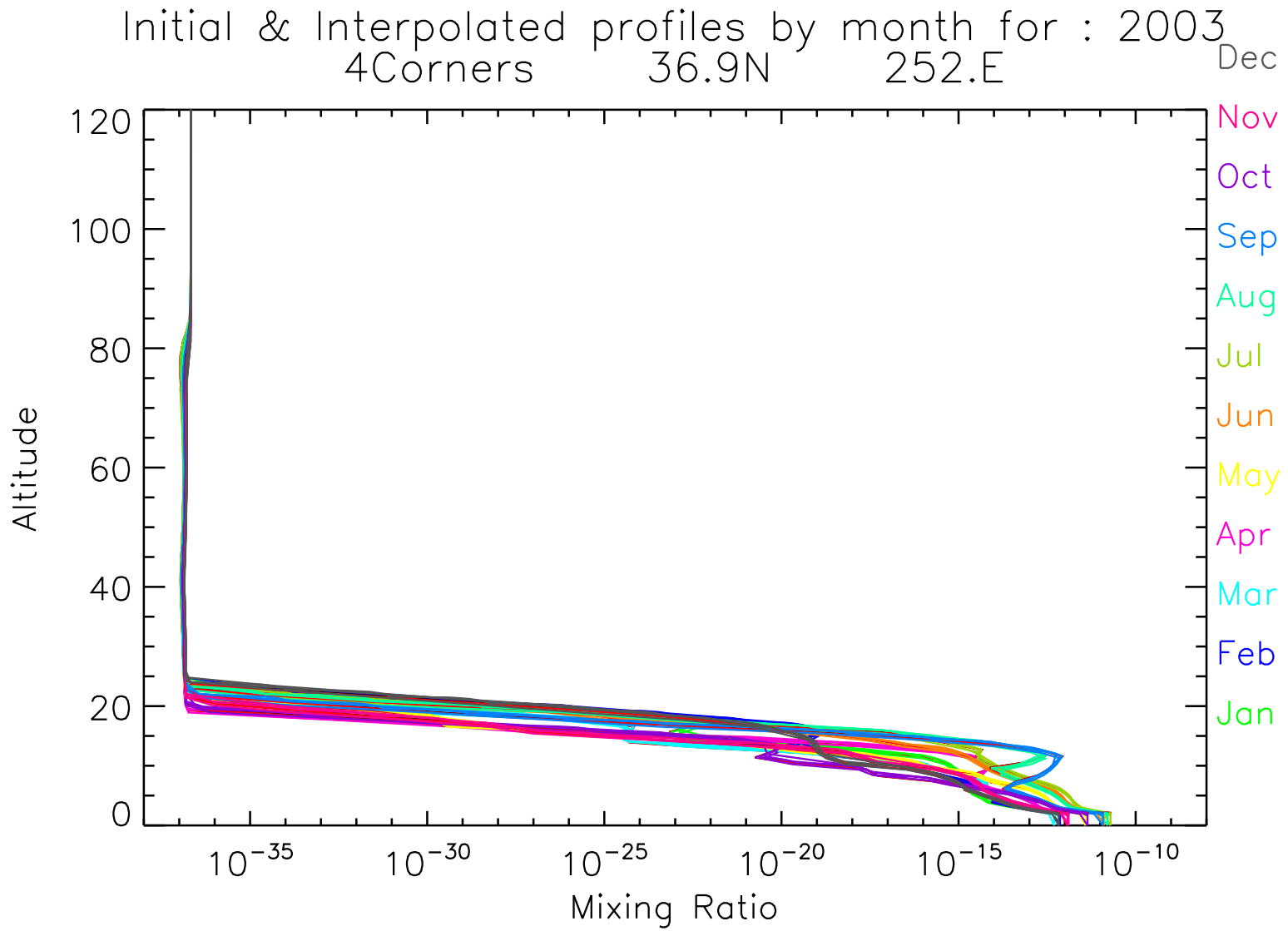
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
4Corners 36.9N 252.E
Dec
Nov
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Apr
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Feb
Jan
Altitude
120
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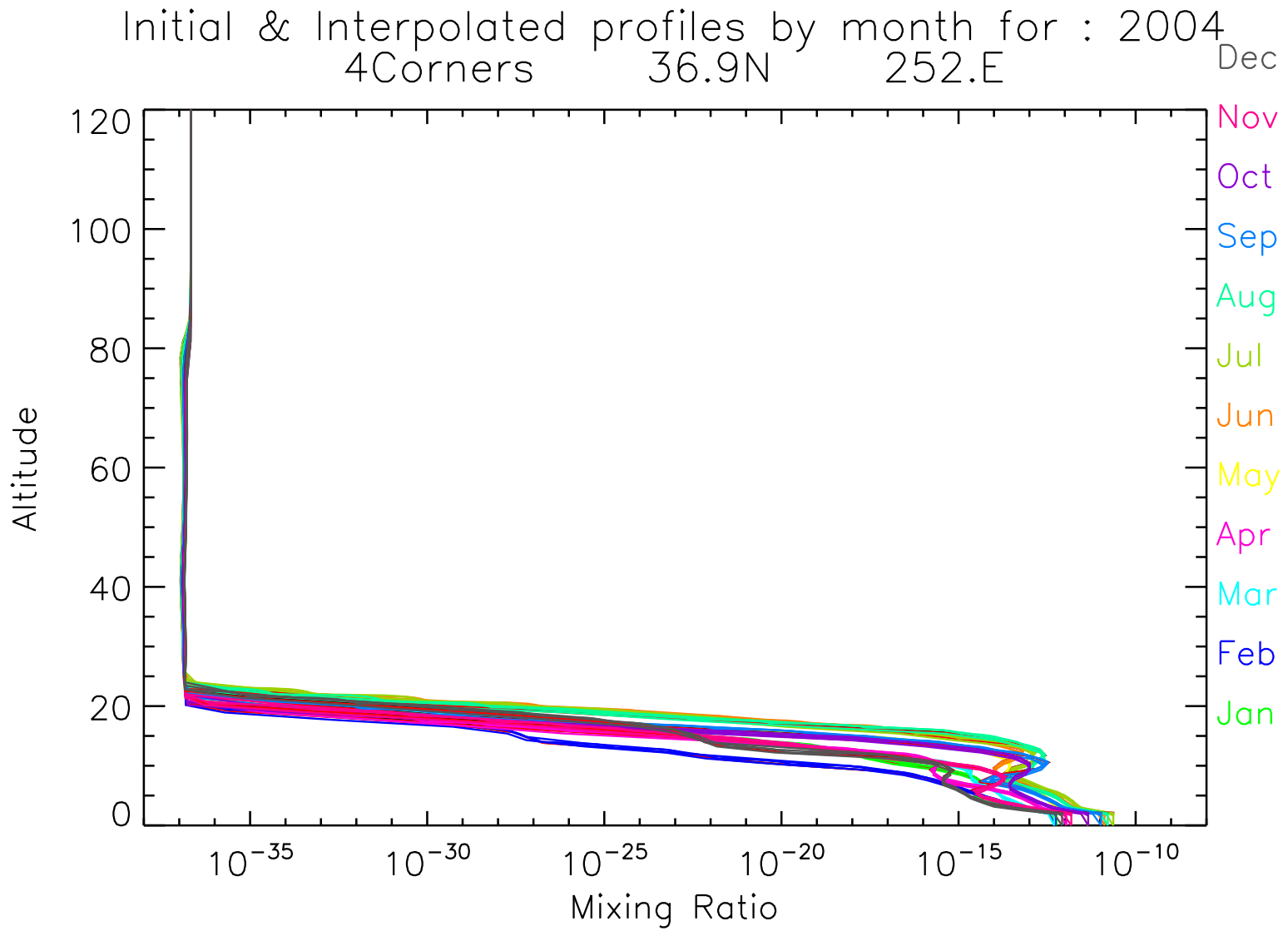
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
4Corners 36.9N 252.E
Dec
Nov
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Altitude
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10^{-35}
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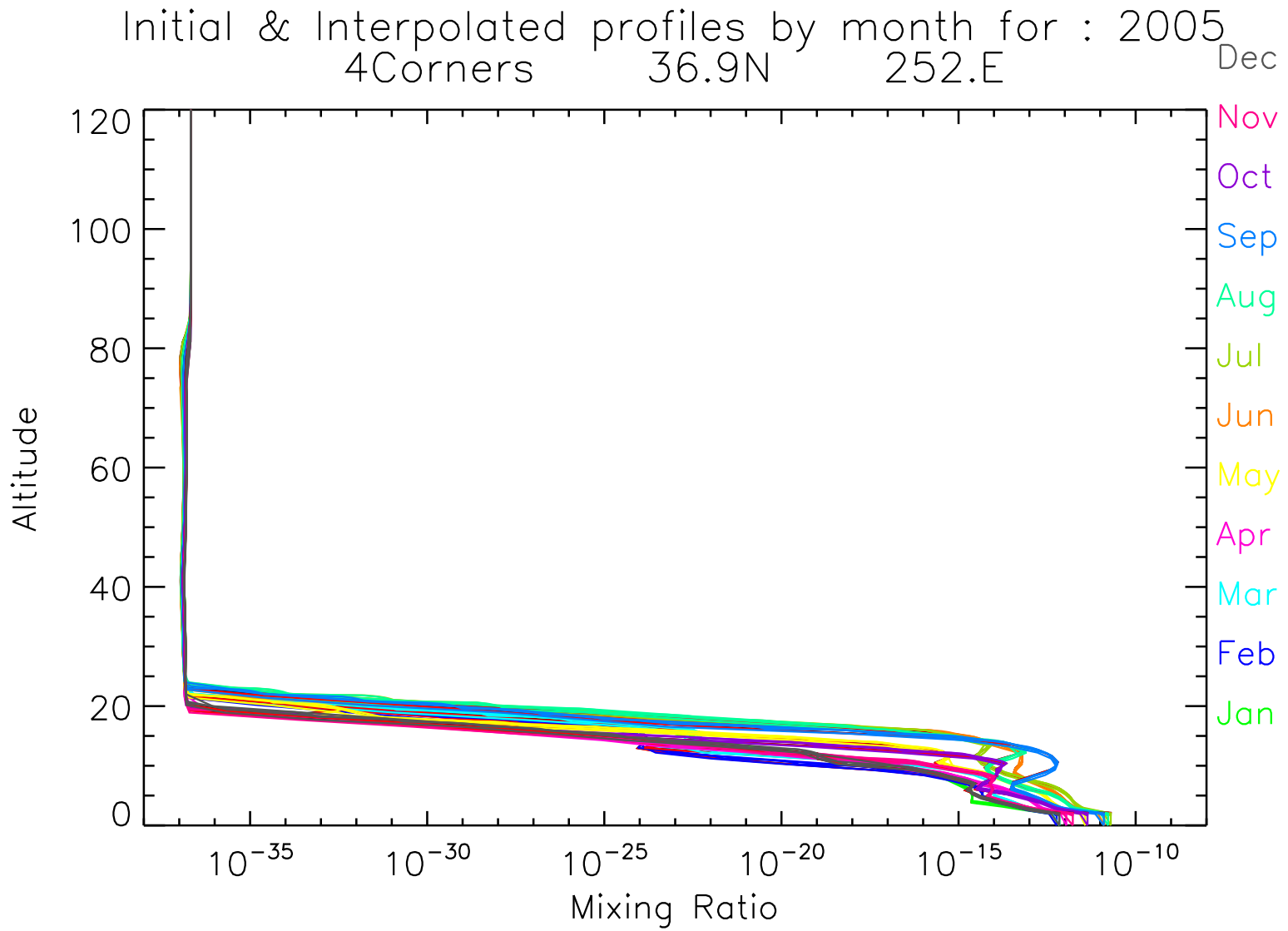
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
4Corners 36.9N 252.E
Dec
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Altitude
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10^{-35}
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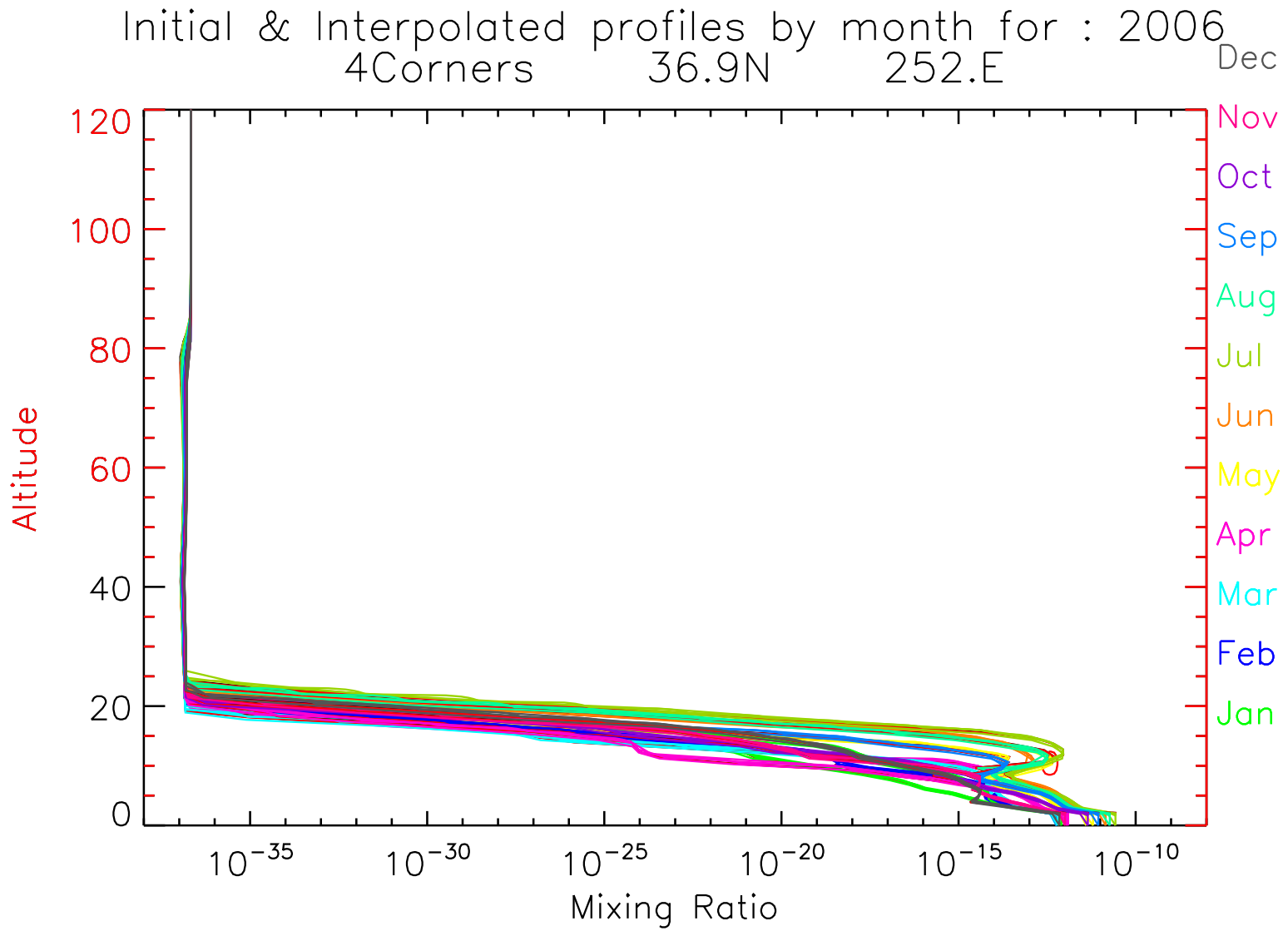
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
4Corners 36.9N 252.E
Dec
Nov
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Altitude
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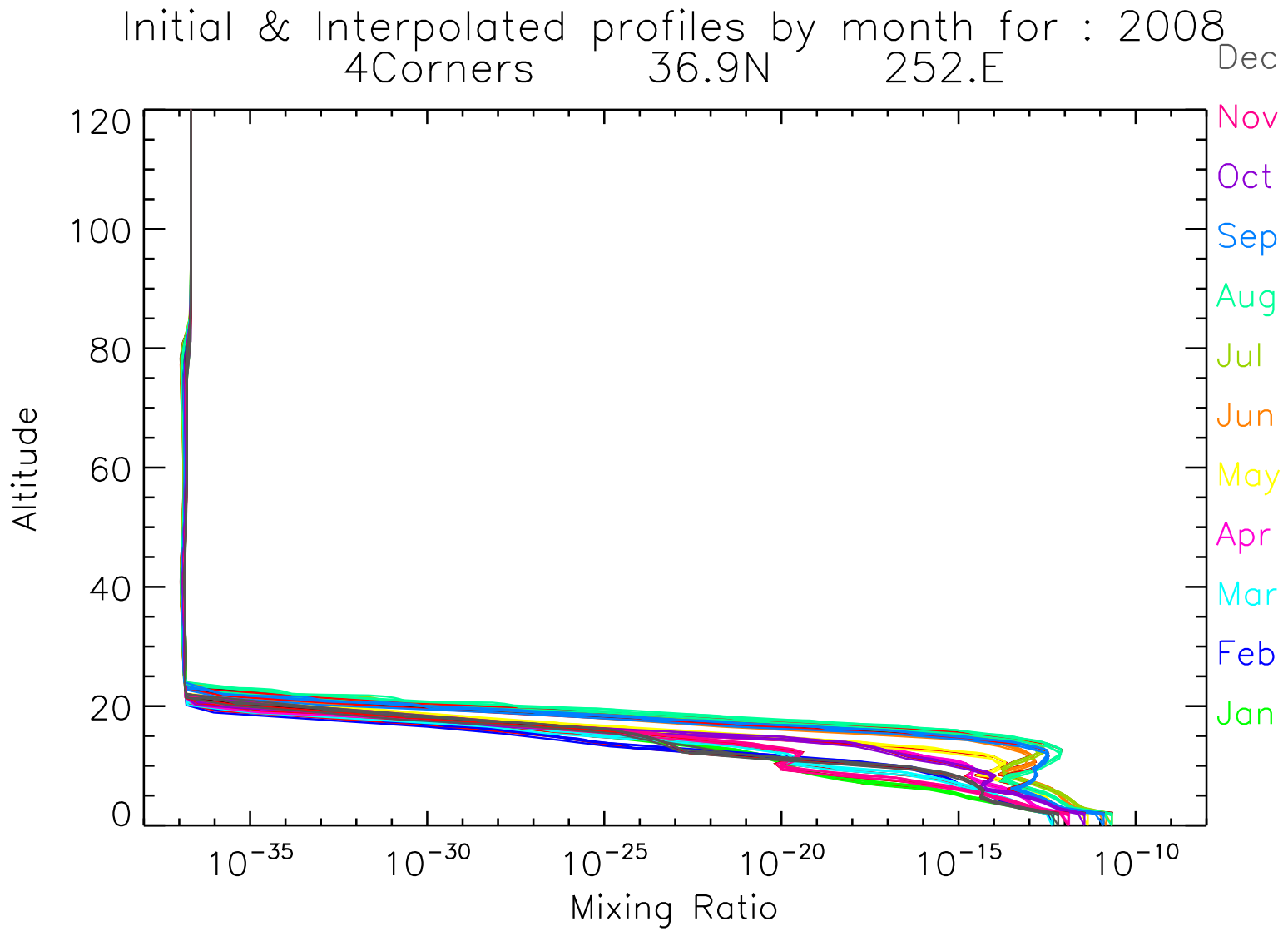
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
4Corners 36.9N 252.E
Dec
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Altitude
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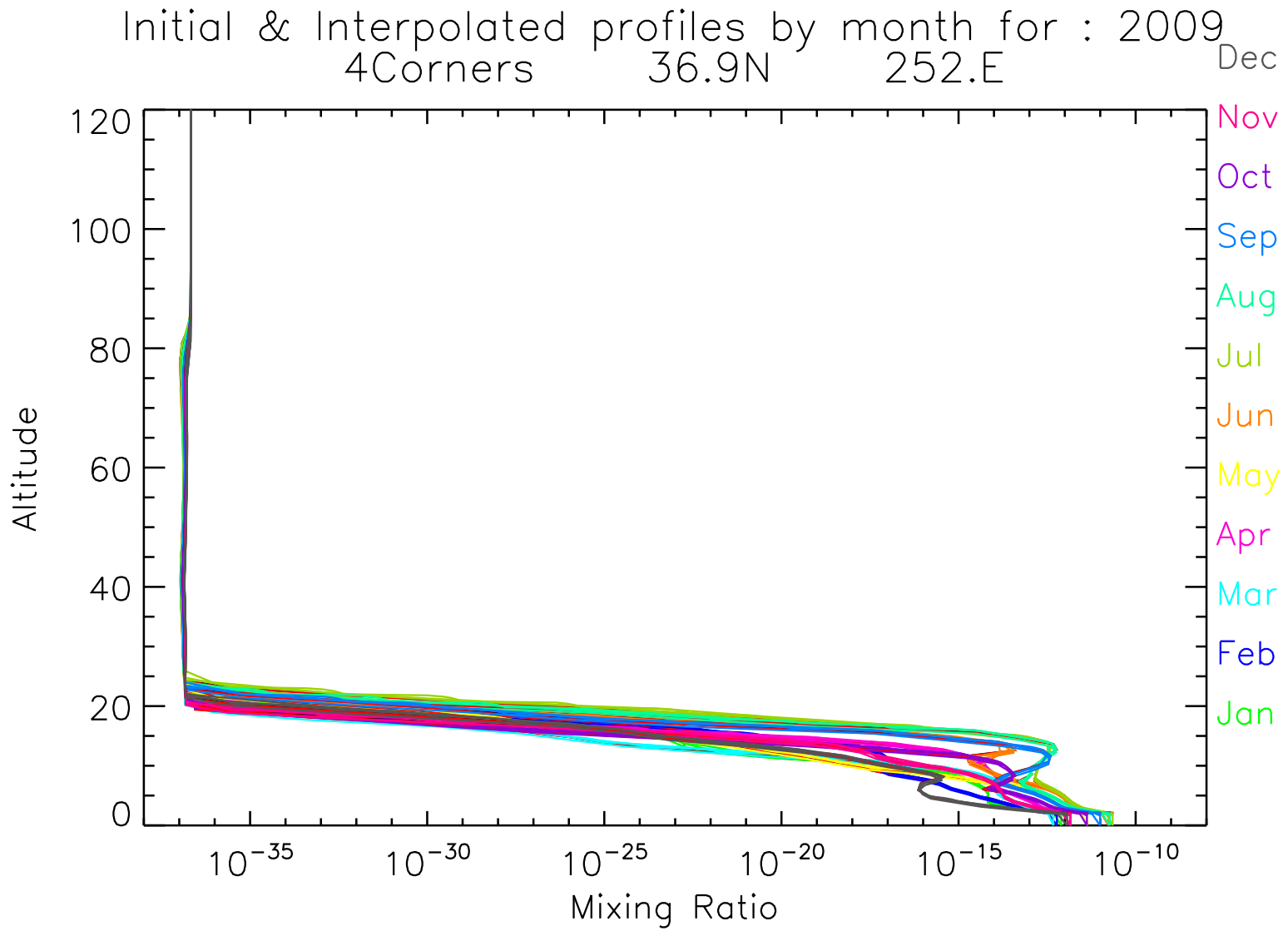
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
4Corners 36.9N 252.E
Dec
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Altitude
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10^{-35}
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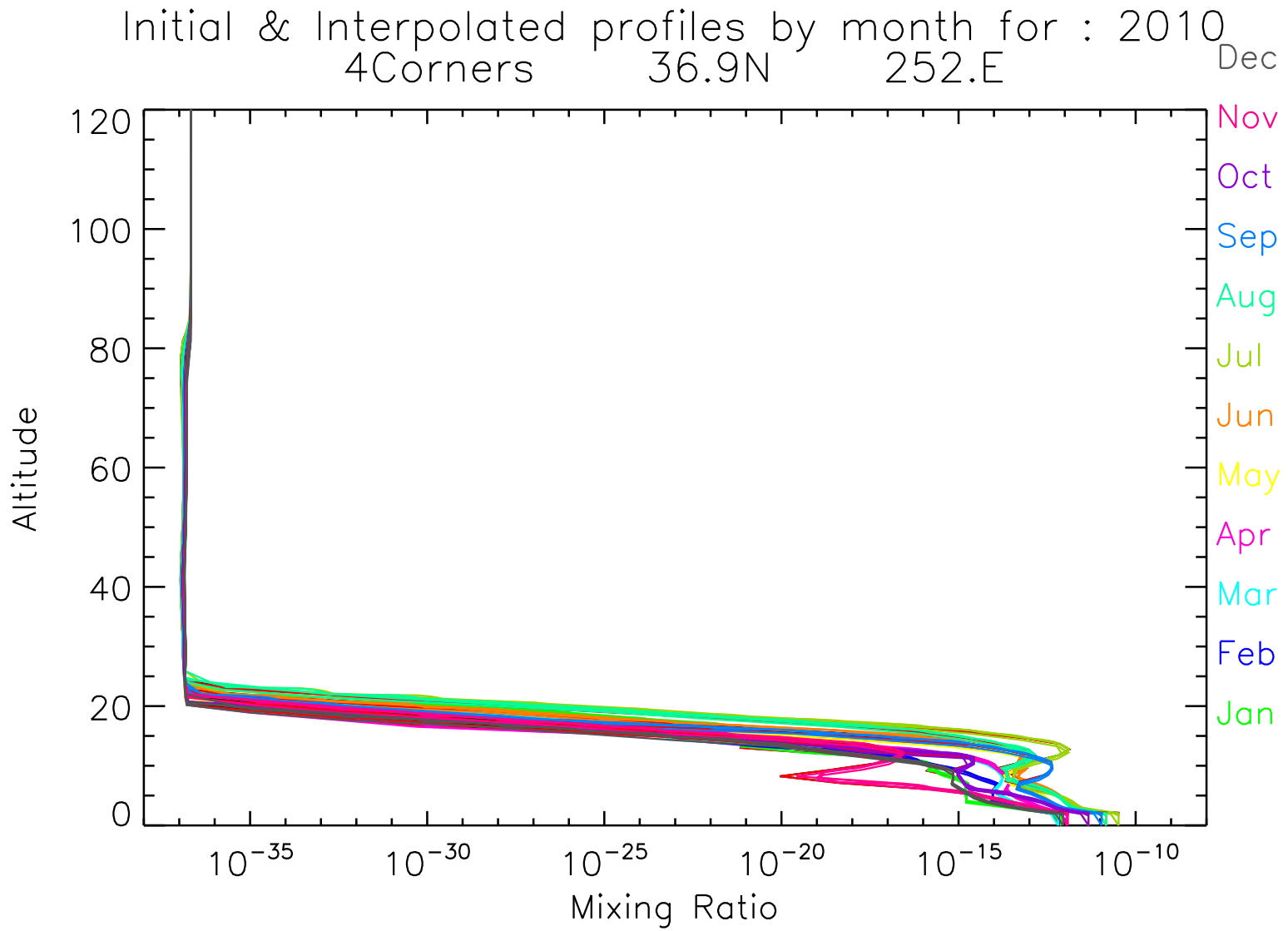
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
4Corners 36.9N 252.E
Dec
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Altitude
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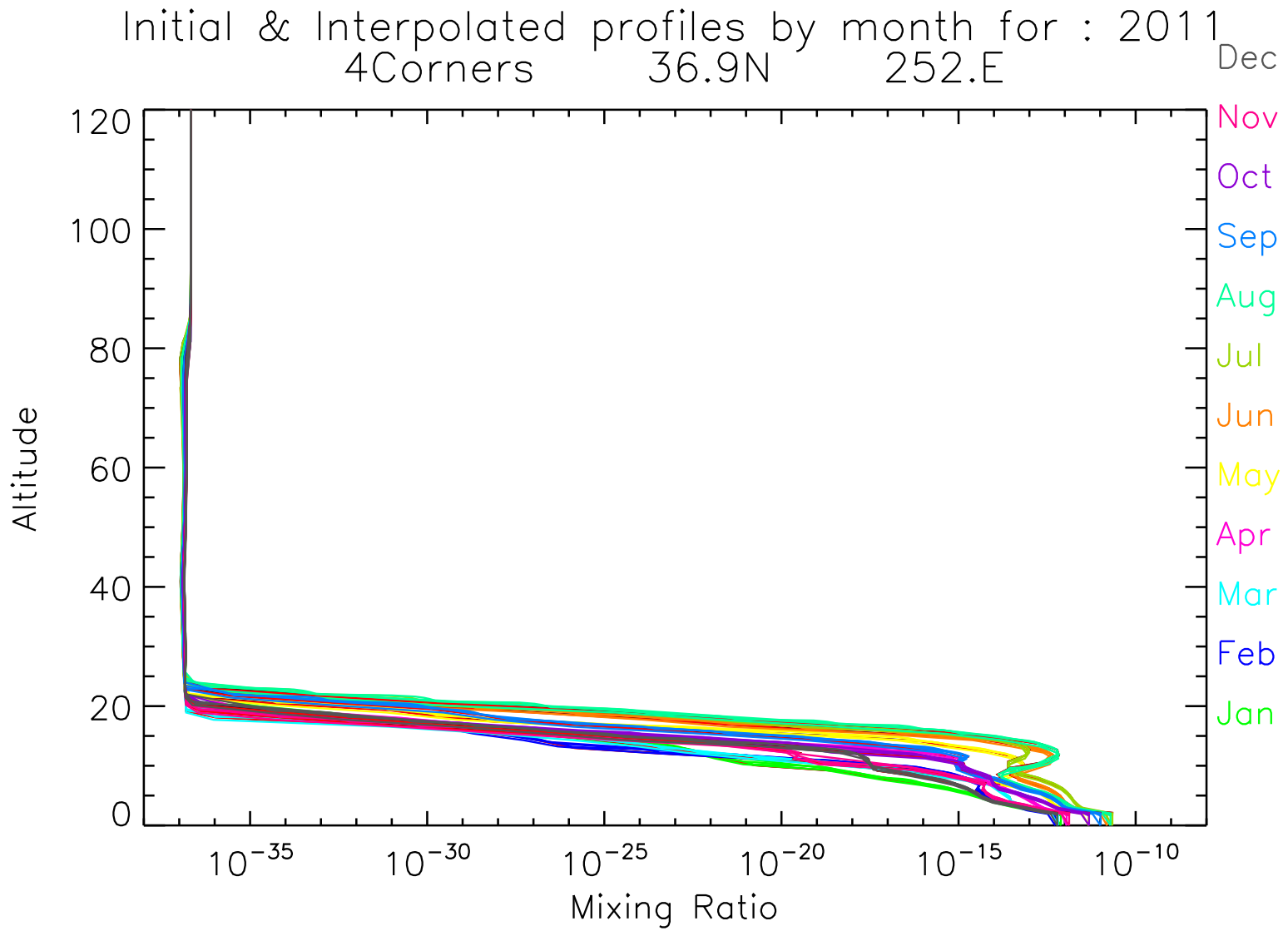
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
4Corners 36.9N 252.E
Dec
Nov
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Feb
Jan
Altitude
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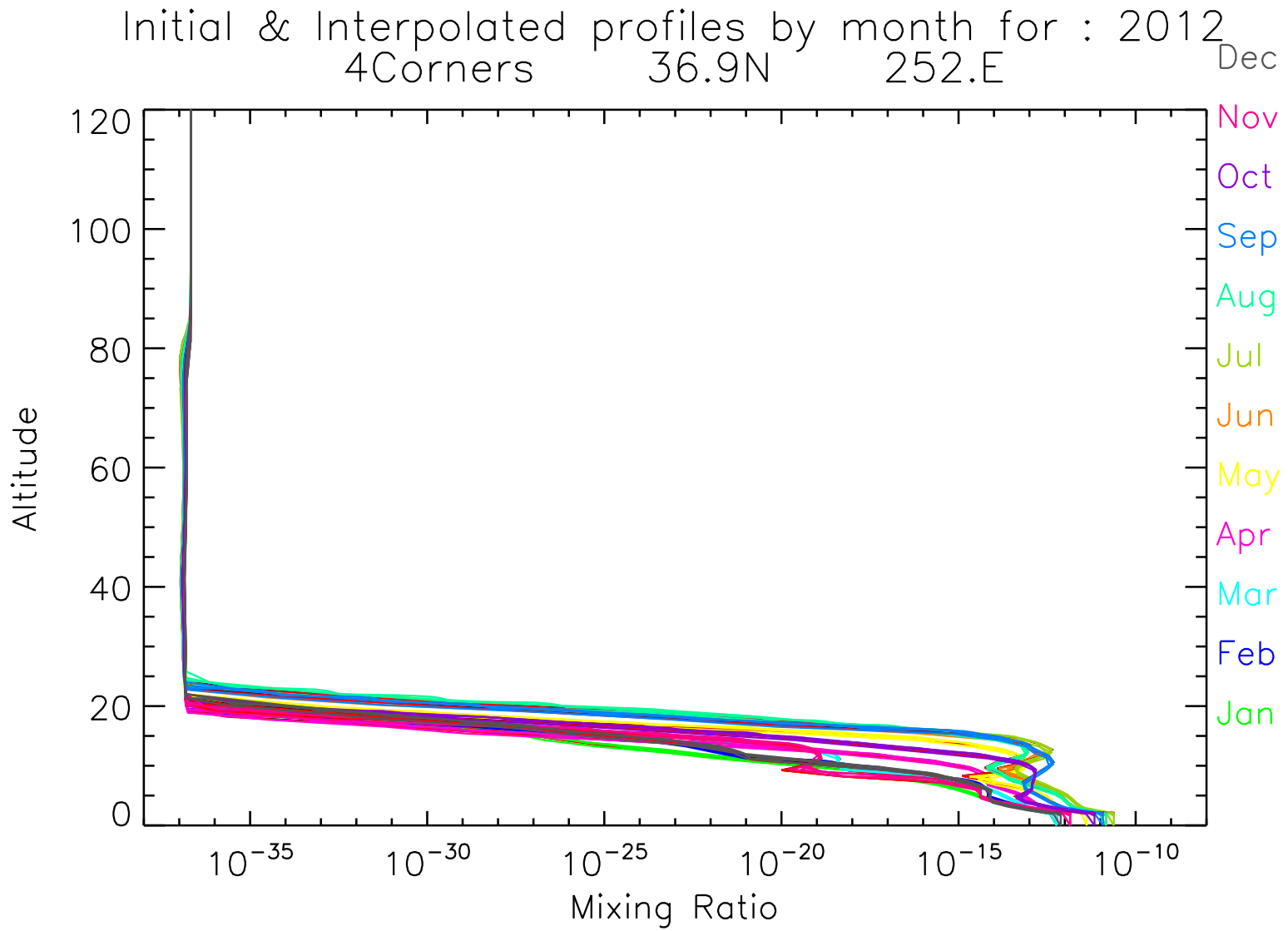
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
4Corners 36.9N 252.E
Dec
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Altitude
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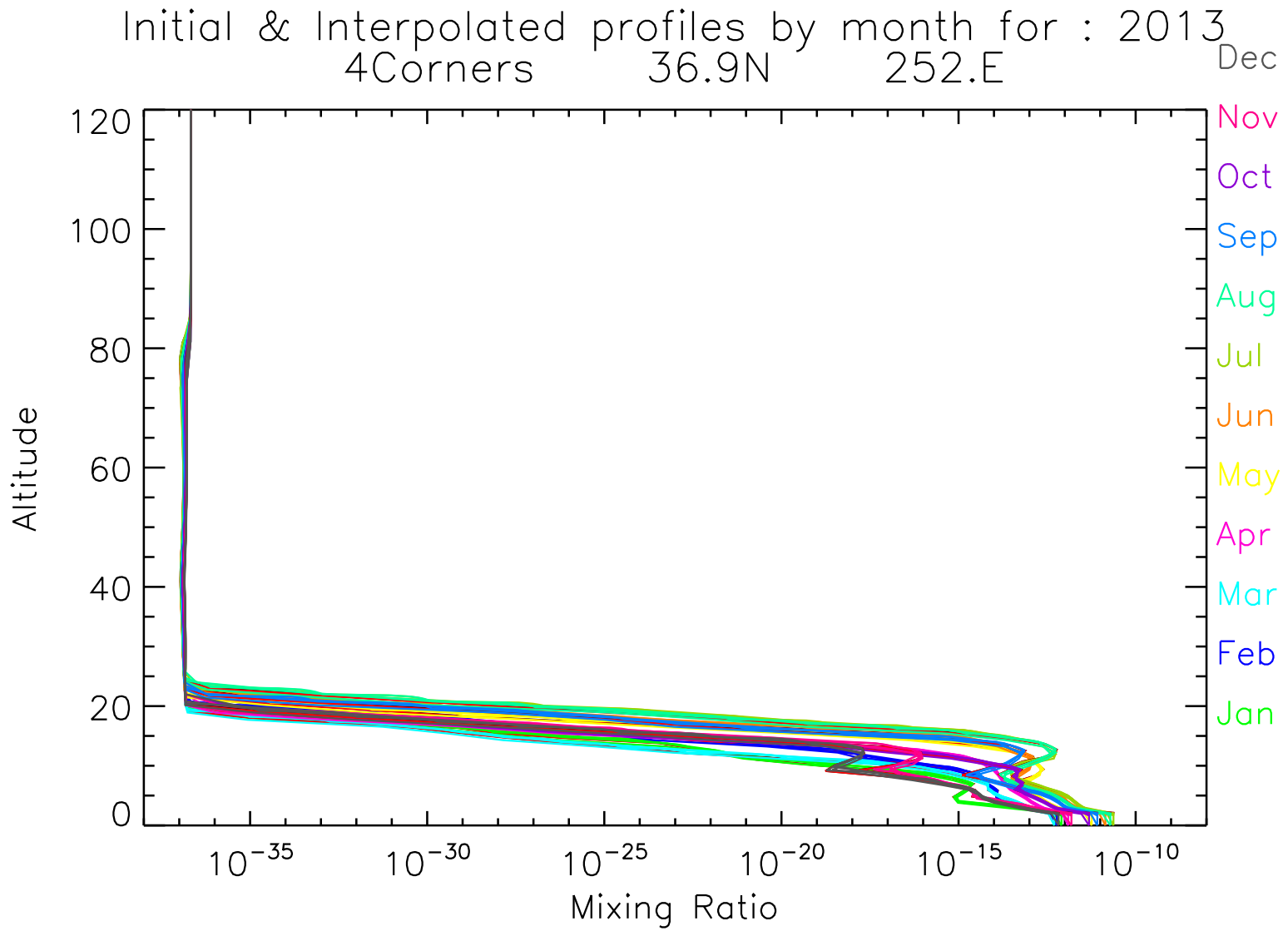
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2013
4Corners 36.9N 252.E
Dec
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Altitude
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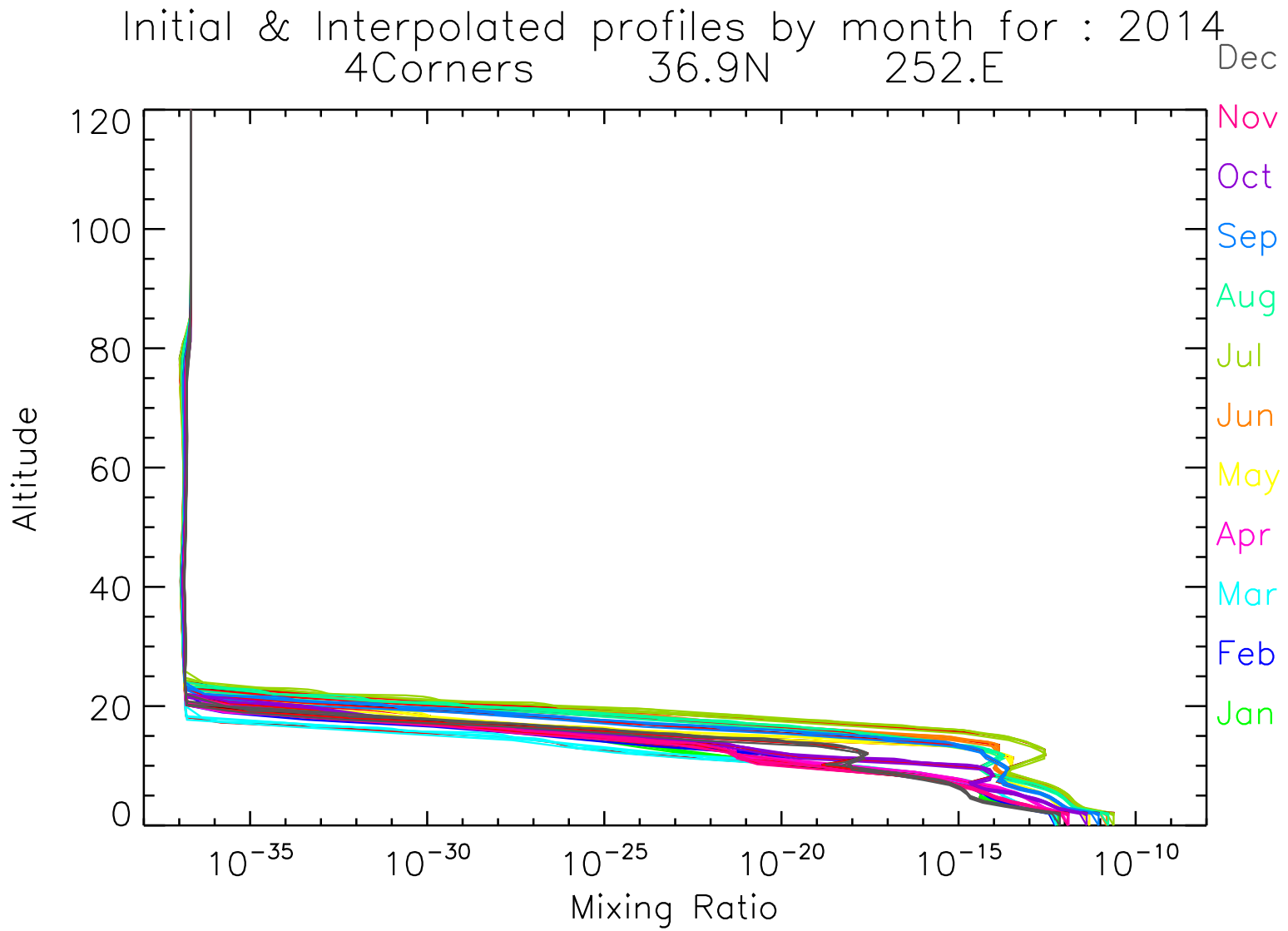
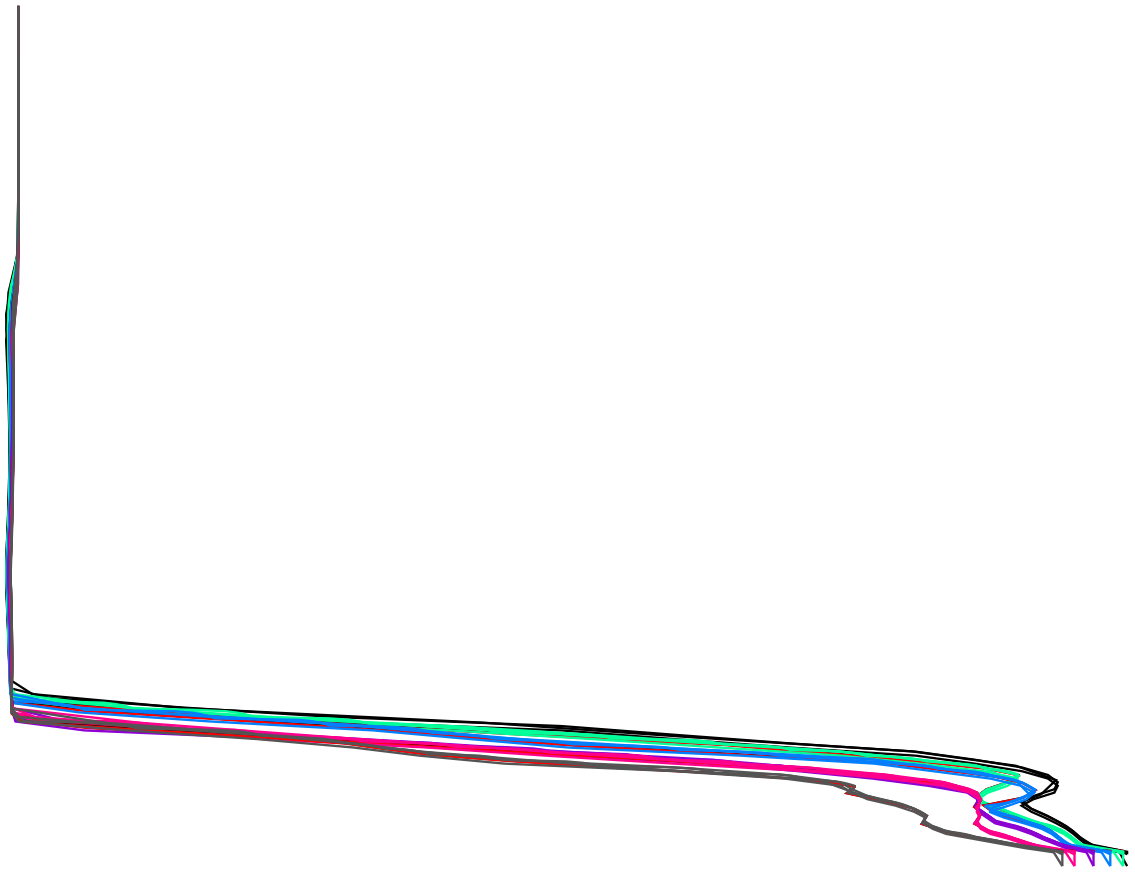
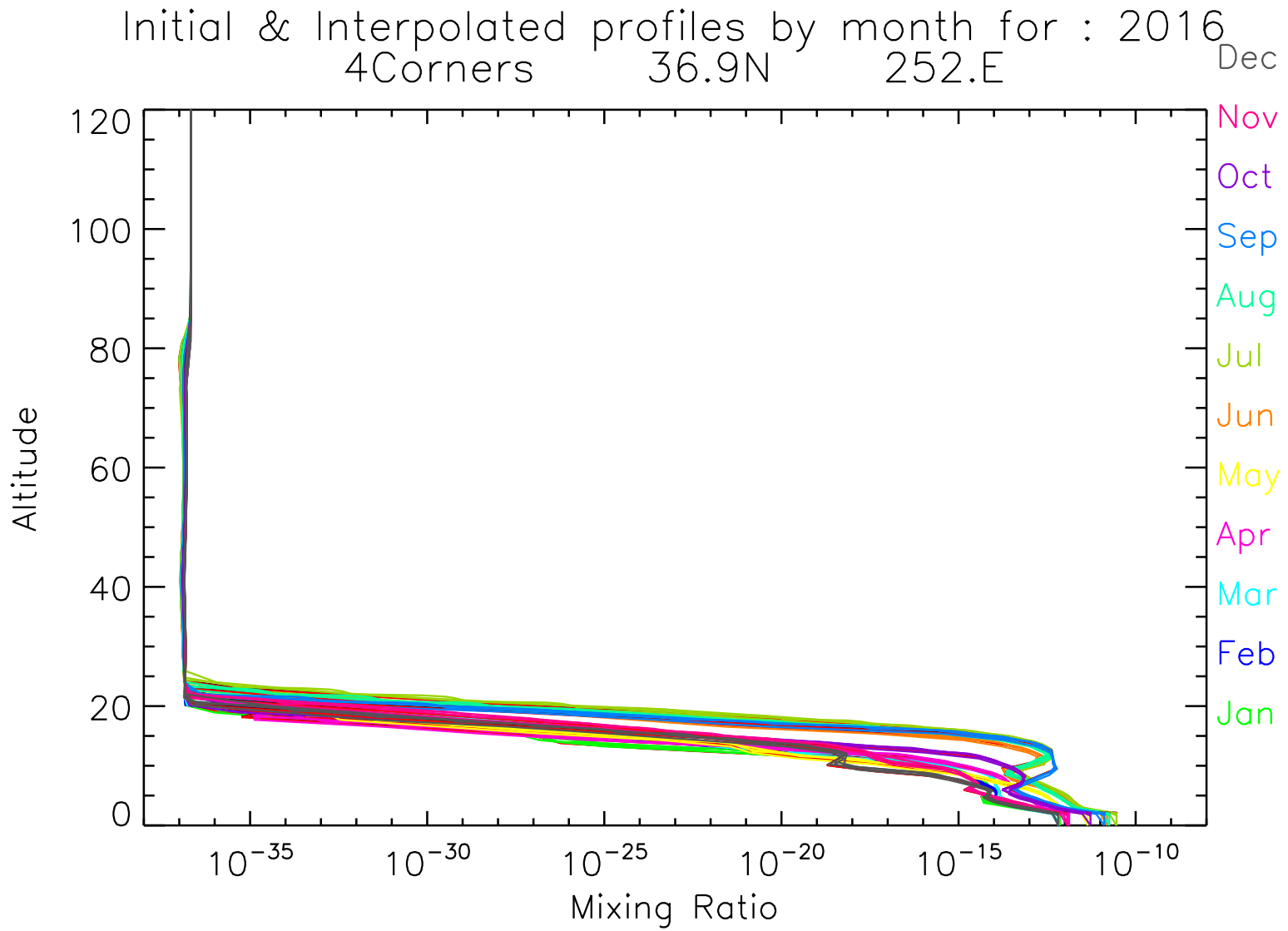
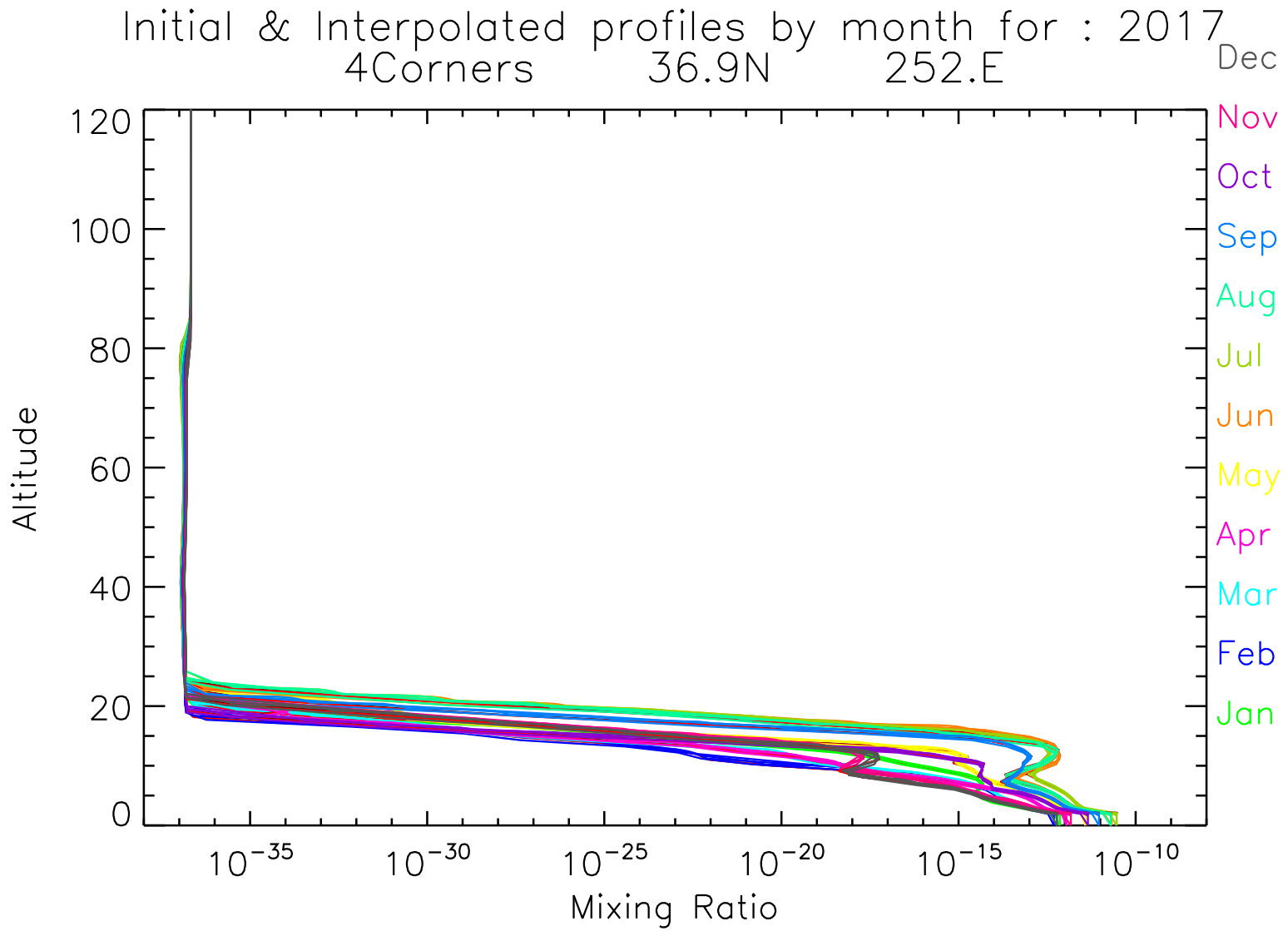
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

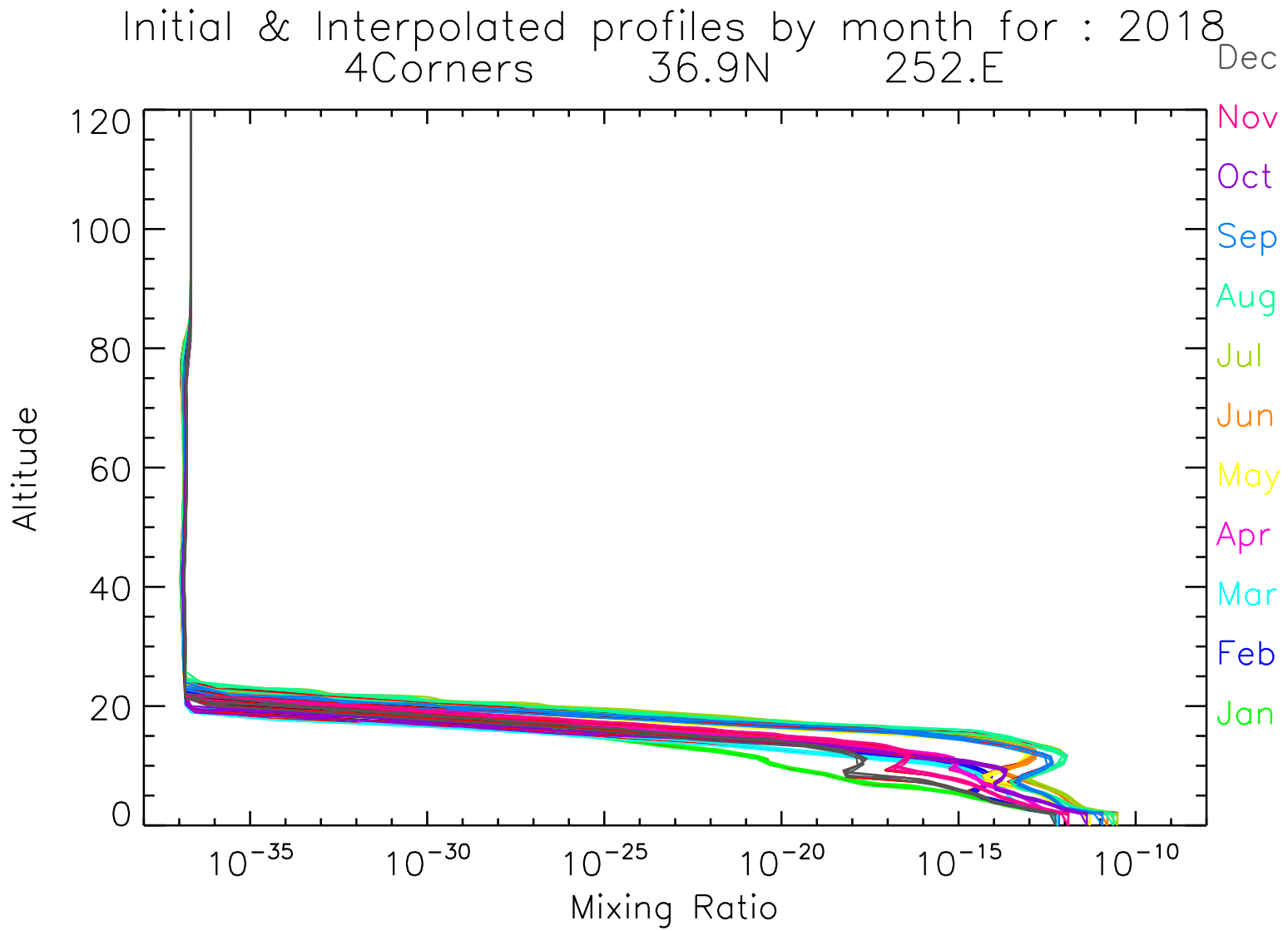

Initial & Interpolated profiles by month for : 2014
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

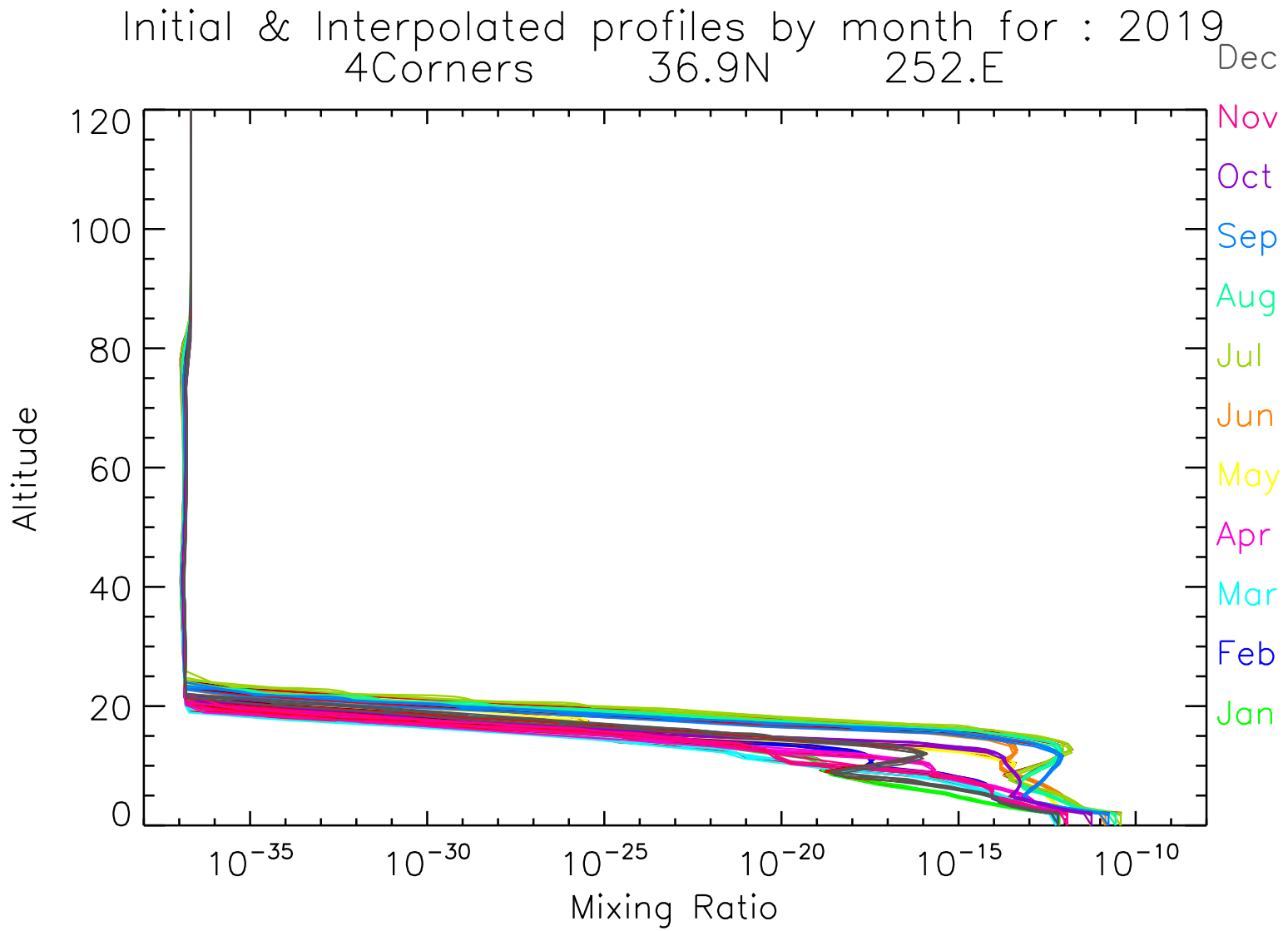
Initial & Interpolated |

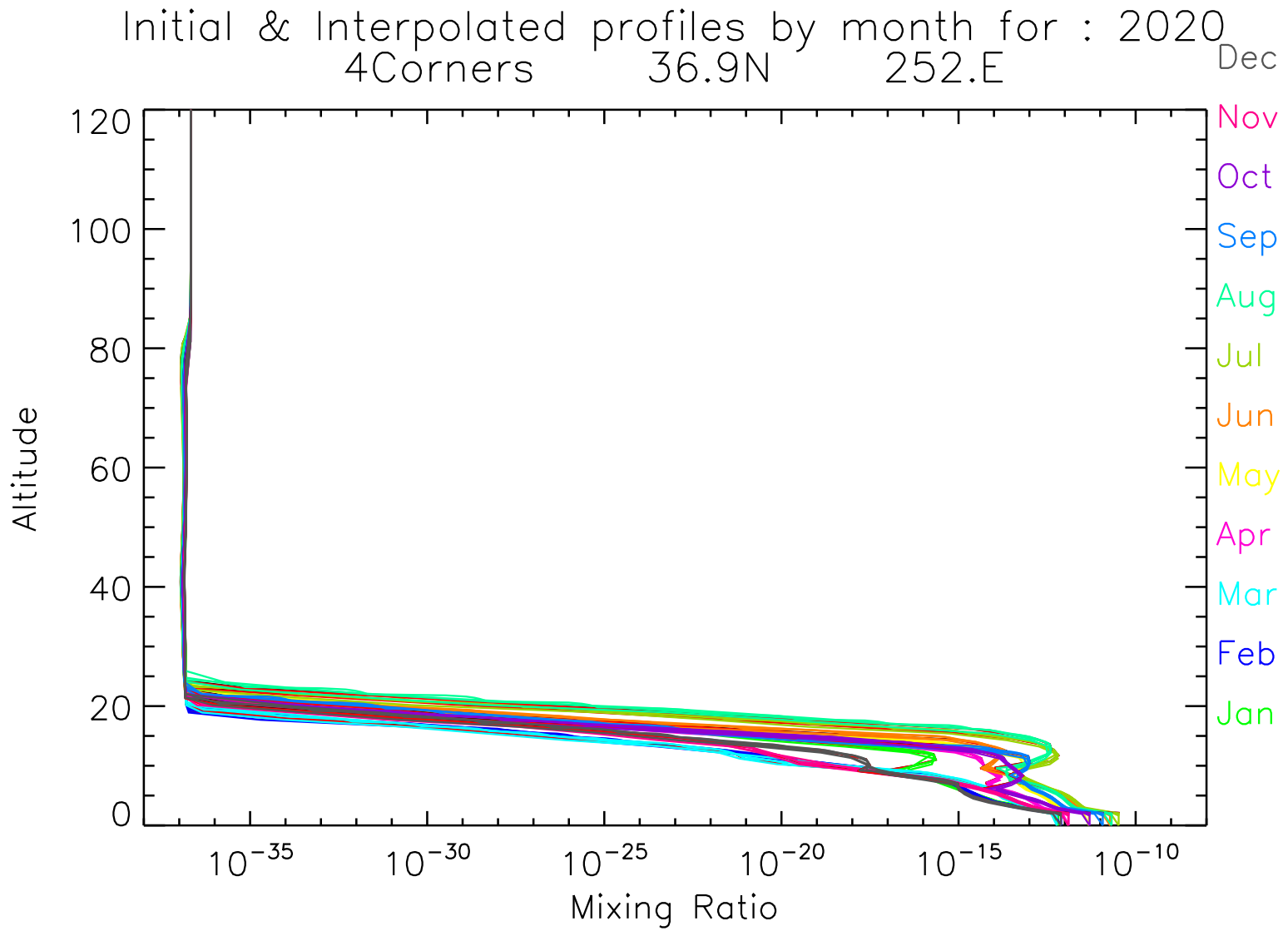


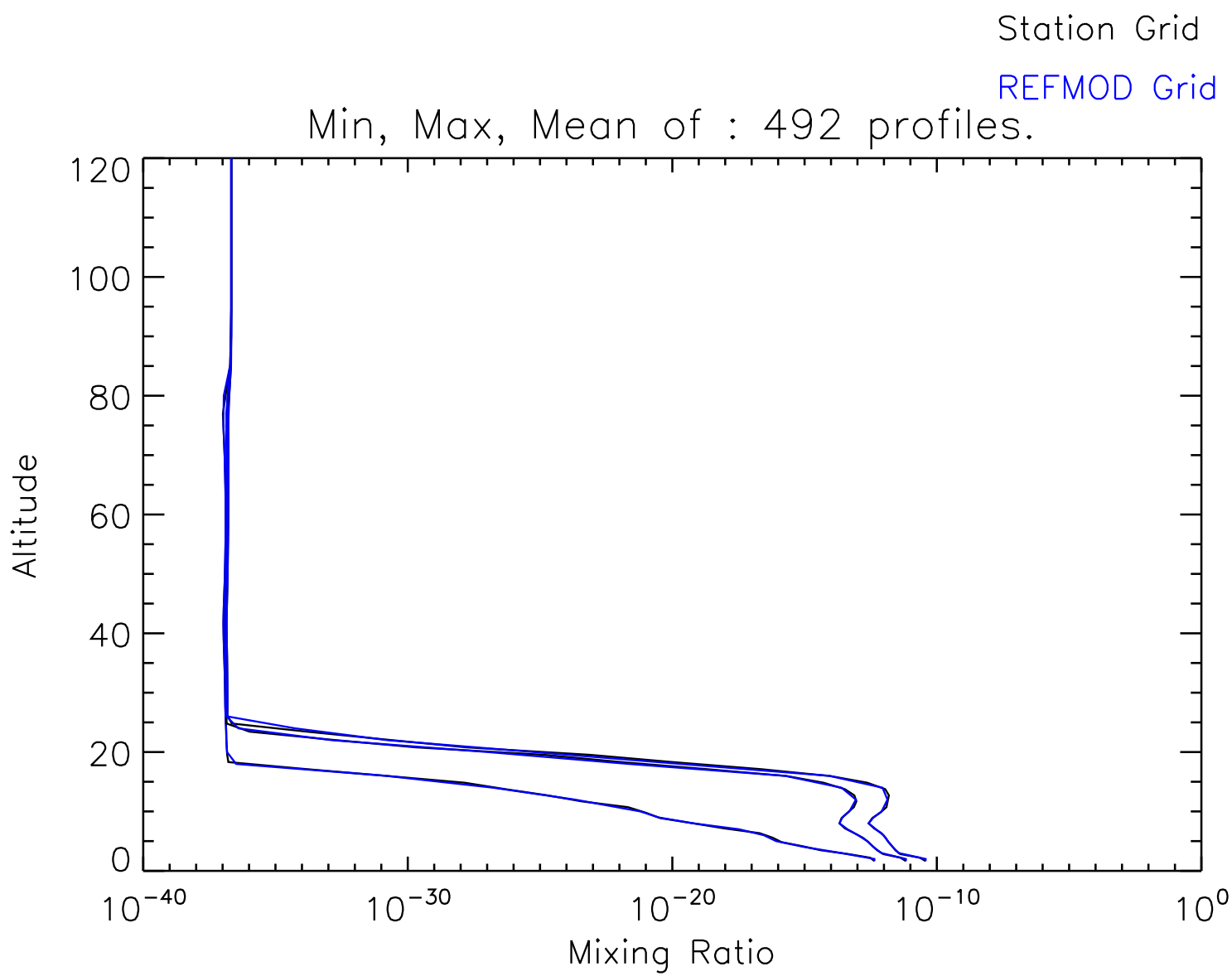

Initial & Interpolated profiles by month for : 2016
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

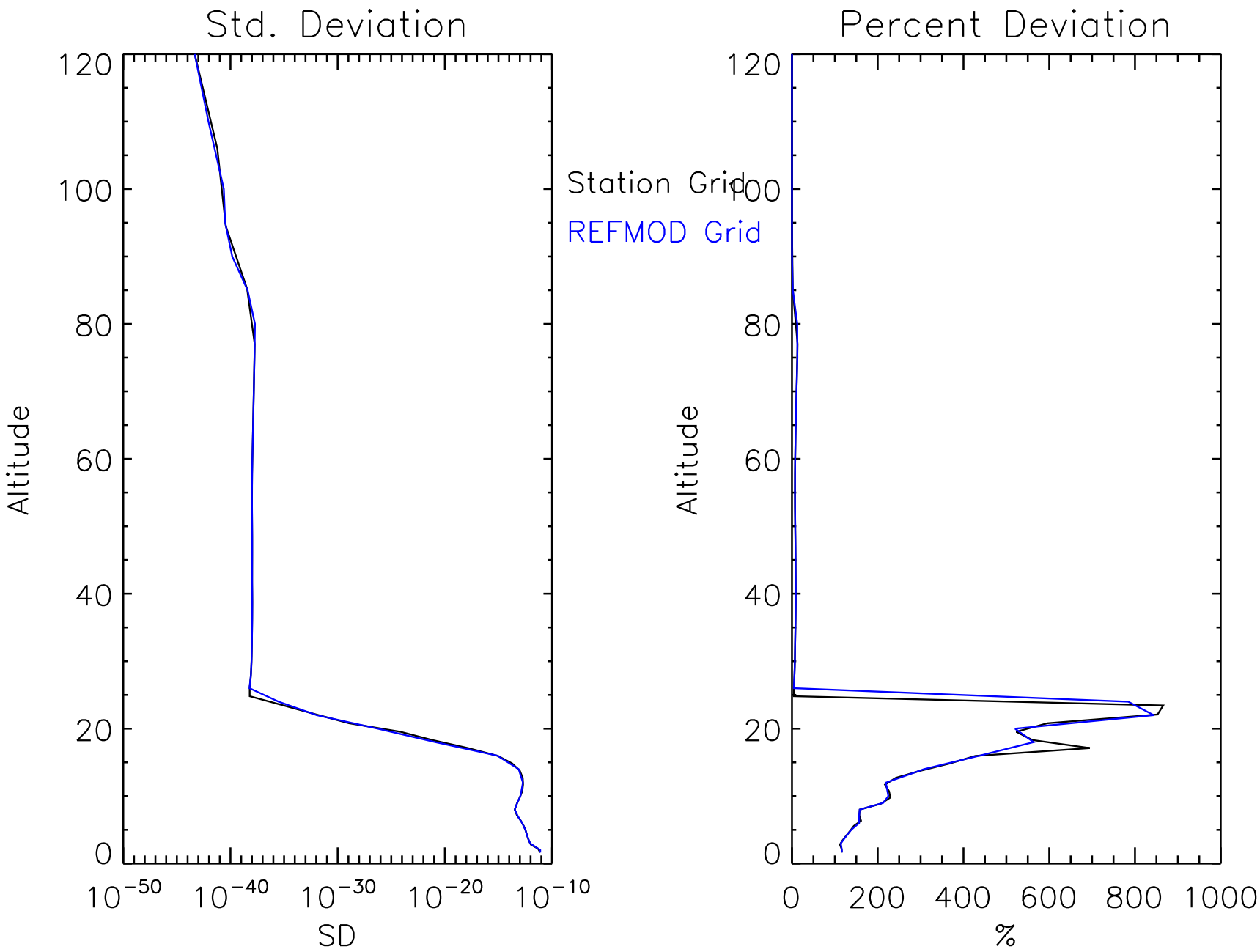

Initial & Interpolated profiles by month for : 2017
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

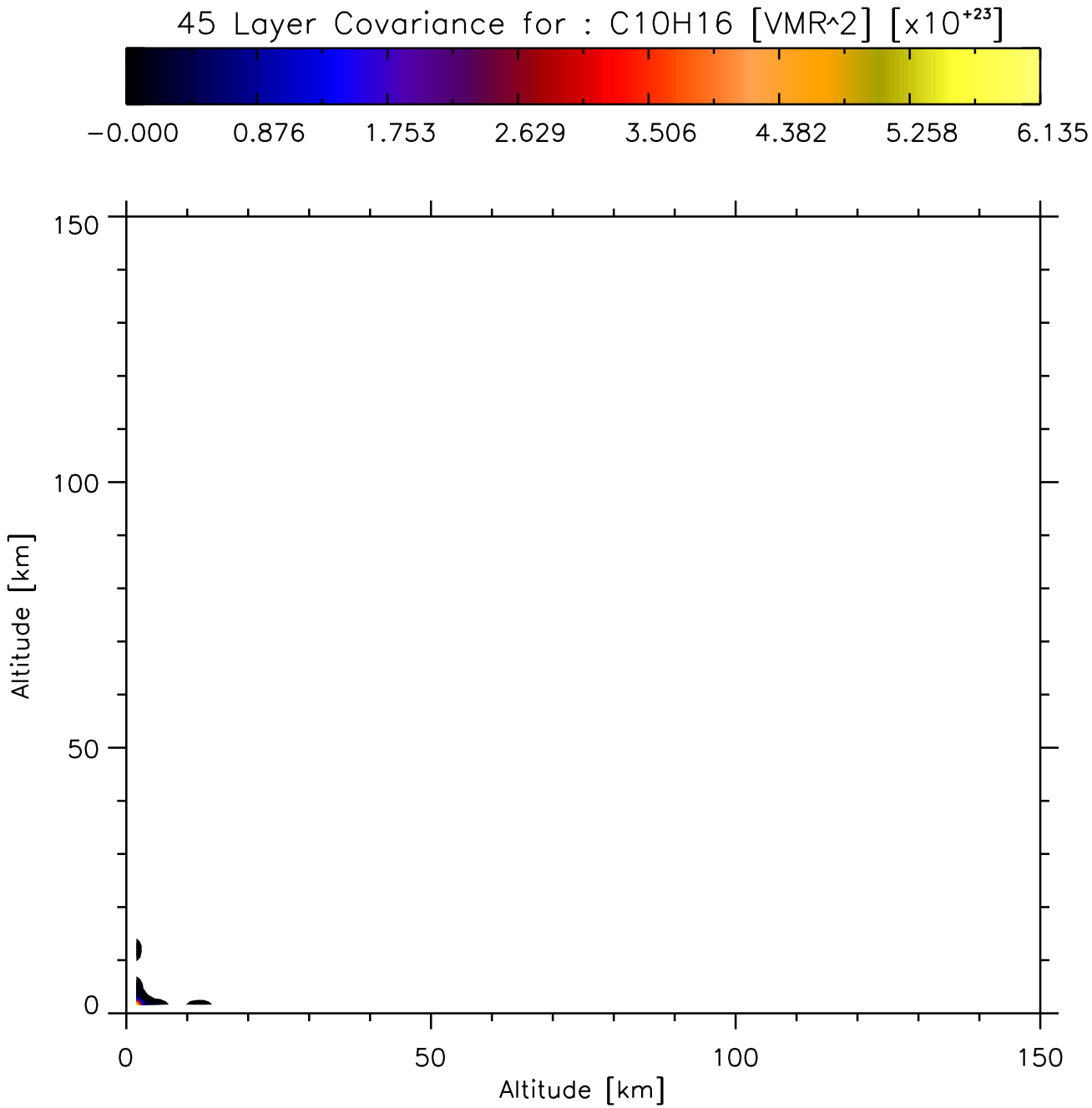

Initial & Interpolated profiles by month for : 2018
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

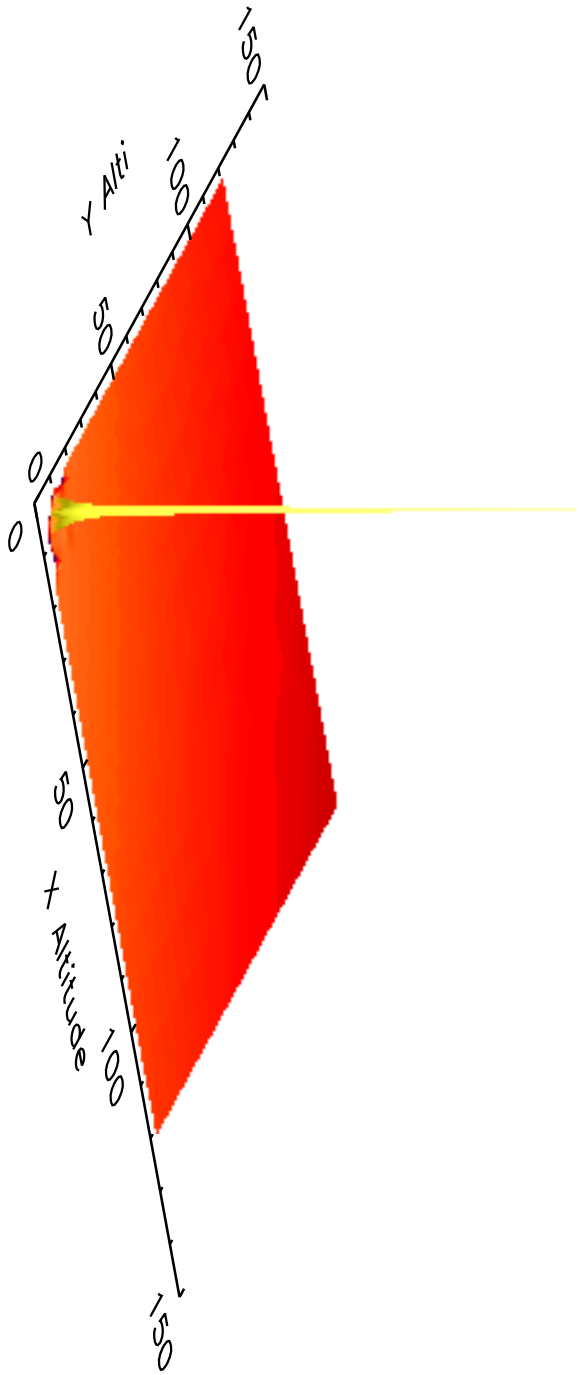

Initial & Interpolated profiles by month for : 2019
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2020
4Corners 36.9N 252.E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-40}
10^{-30}
10^{-20}
10^{-10}
10^{0}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-50}
10^{-40}
10^{-30}
10^{-20}
10^{-10}
SD
0
200
400
600
800
1000
%


45 Layer Covariance for : C10H16 [VMR^2] [x10^+23]
-0.000
0.876
1.753
2.629
3.506
4.382
5.258
6.135
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


150
100
50
0
Y Alti
0
50
100
150
X Altitude