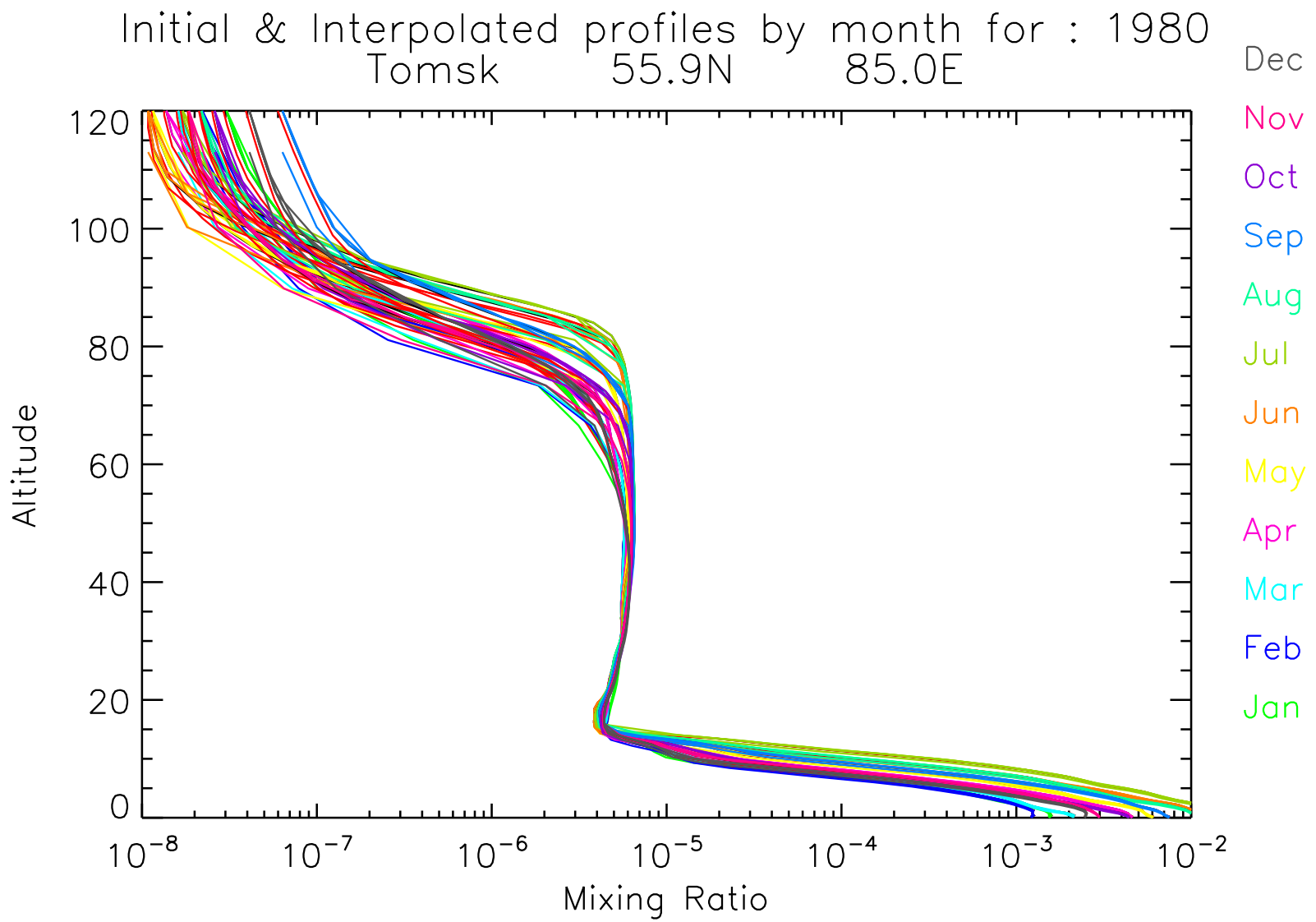
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Mixing Ratio
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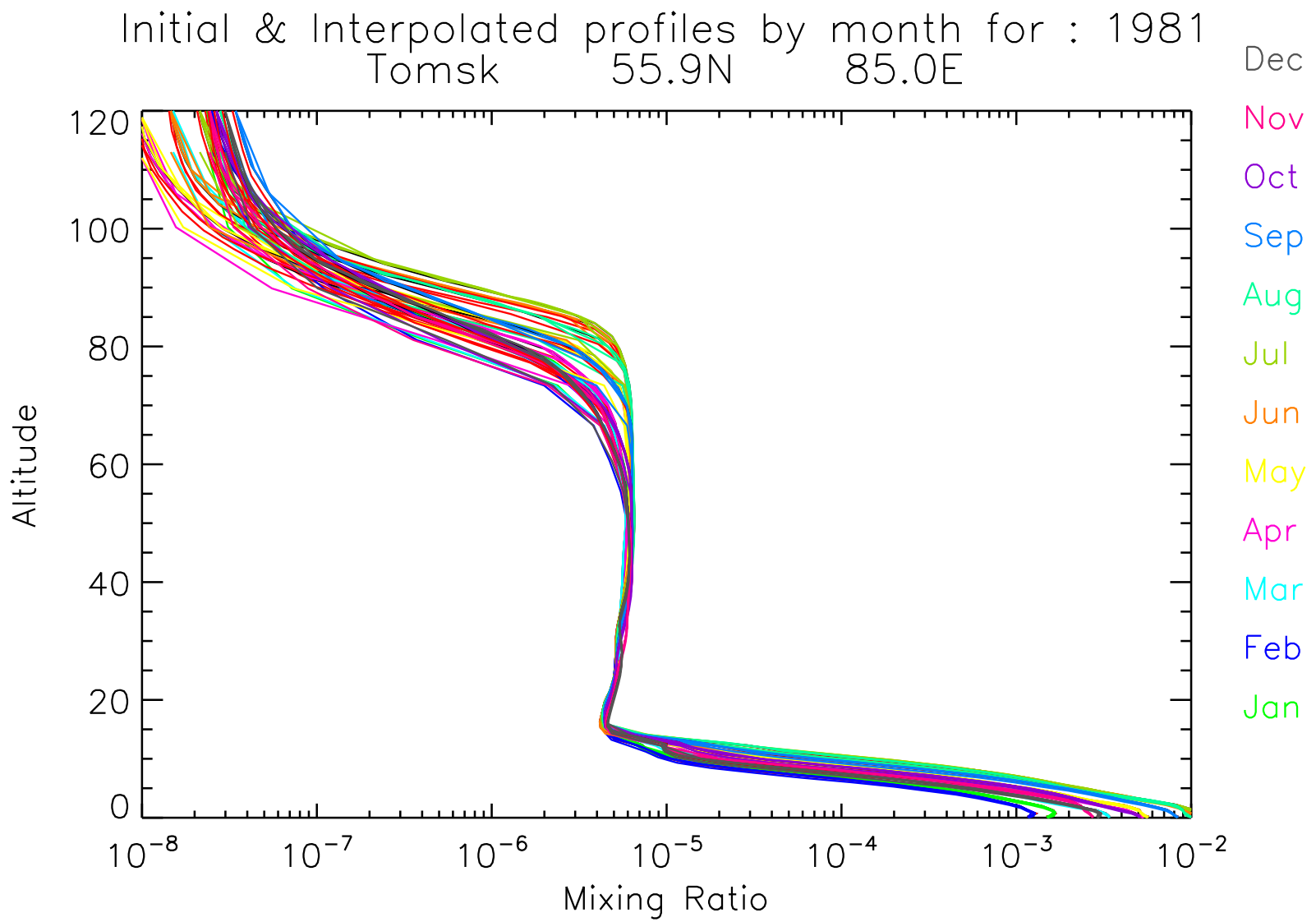
Initial & Interpolated profiles by month for : 1981
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Altitude
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Mixing Ratio
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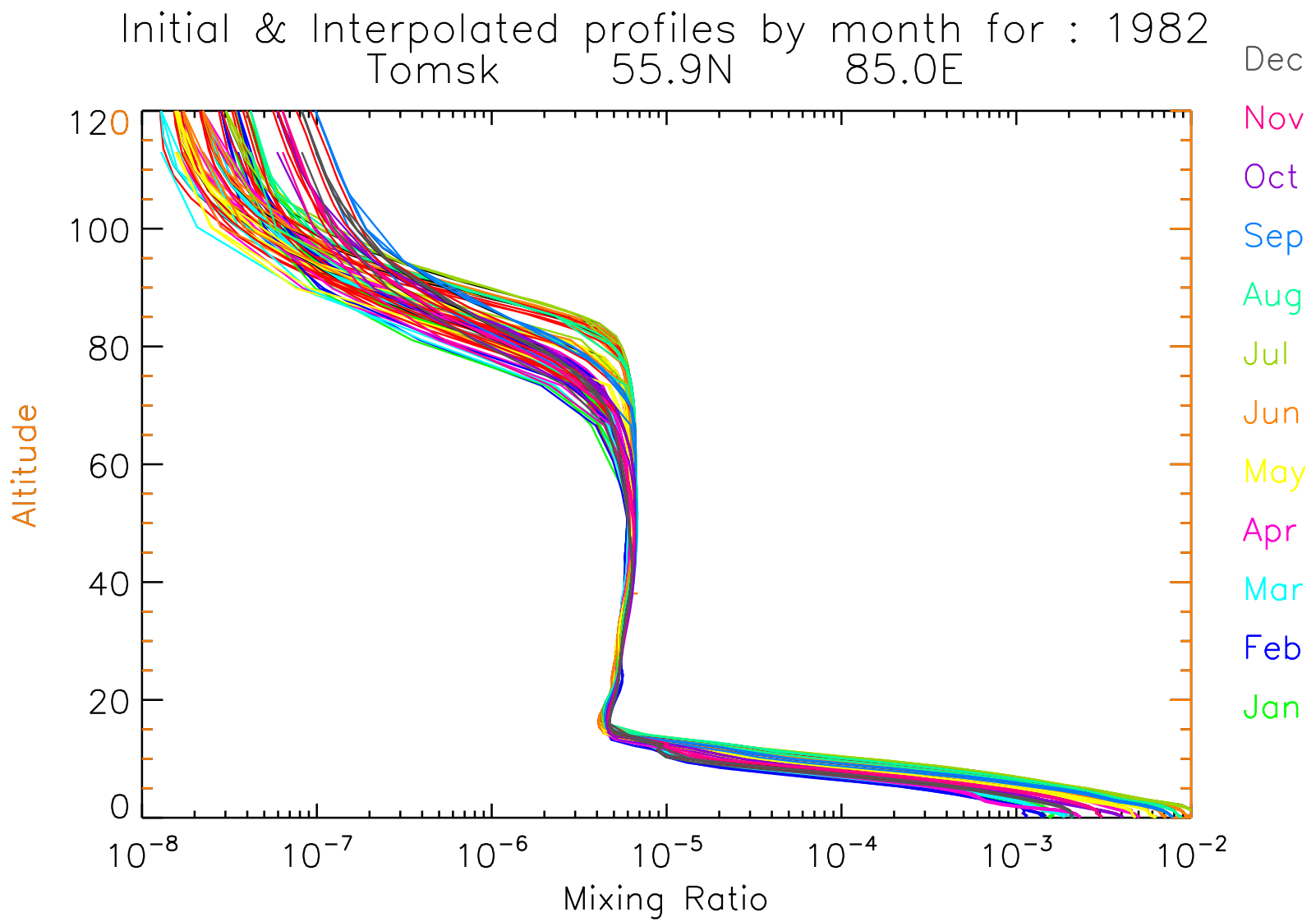
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Mixing Ratio
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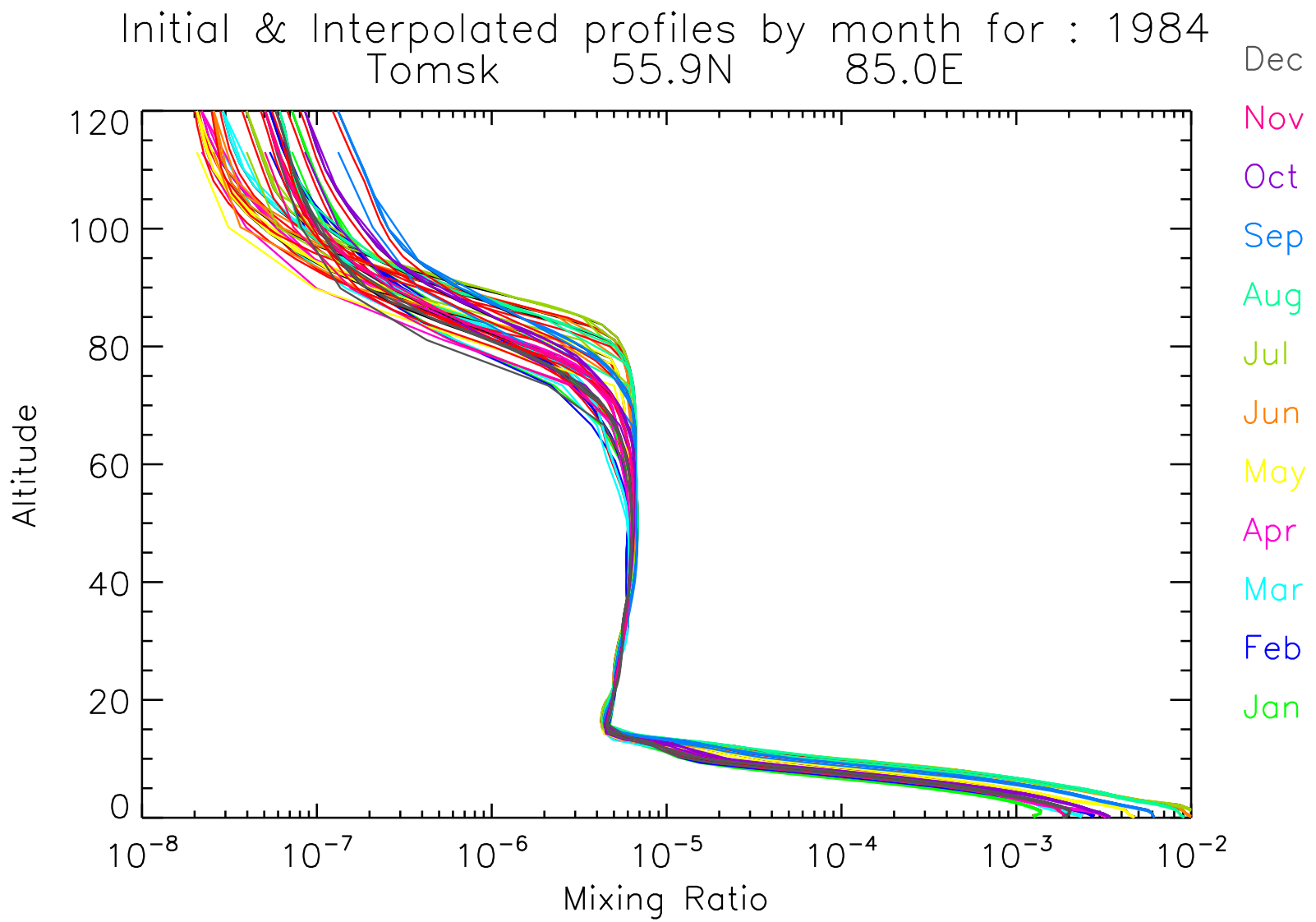
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Mixing Ratio
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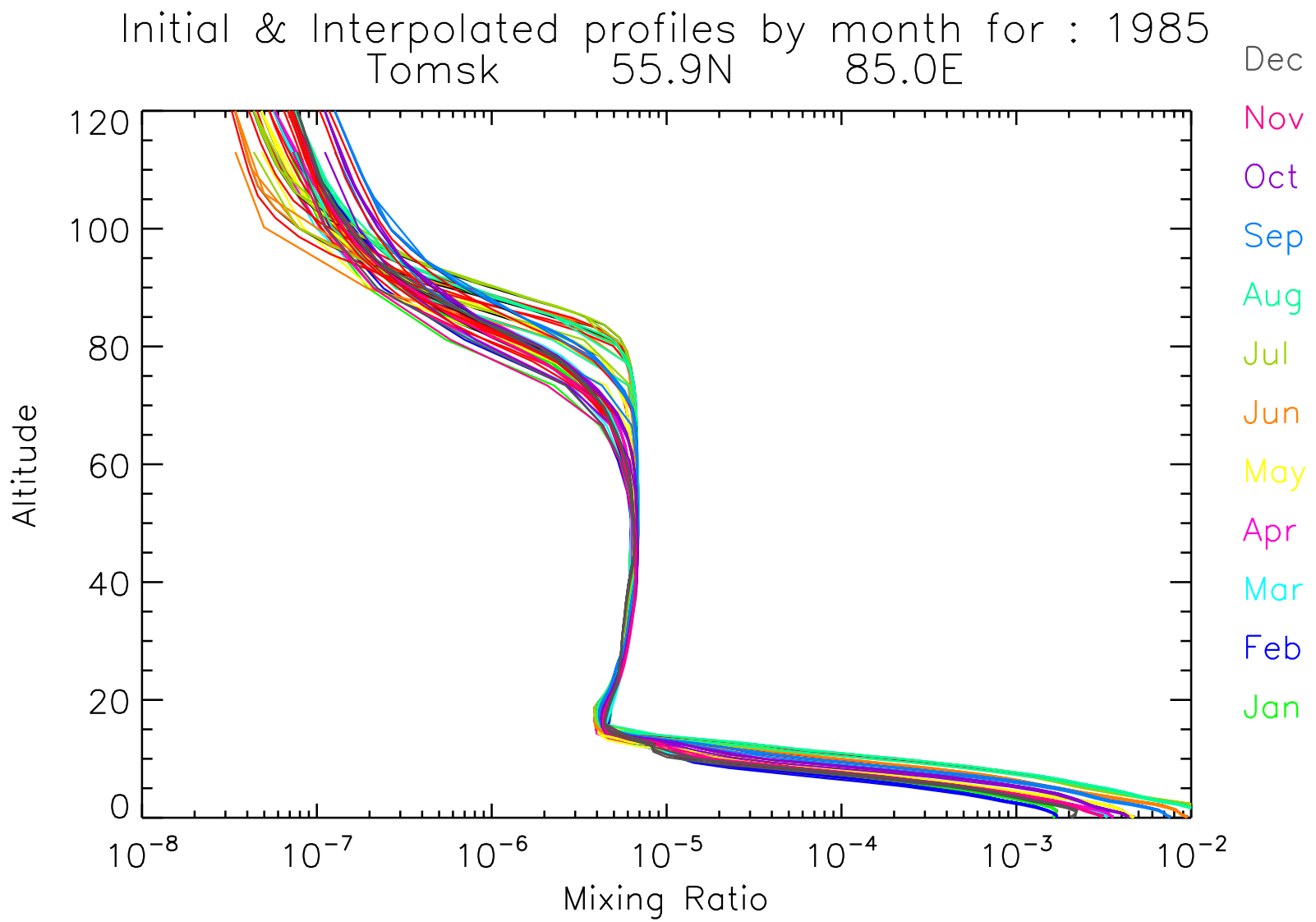
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Altitude
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Mixing Ratio
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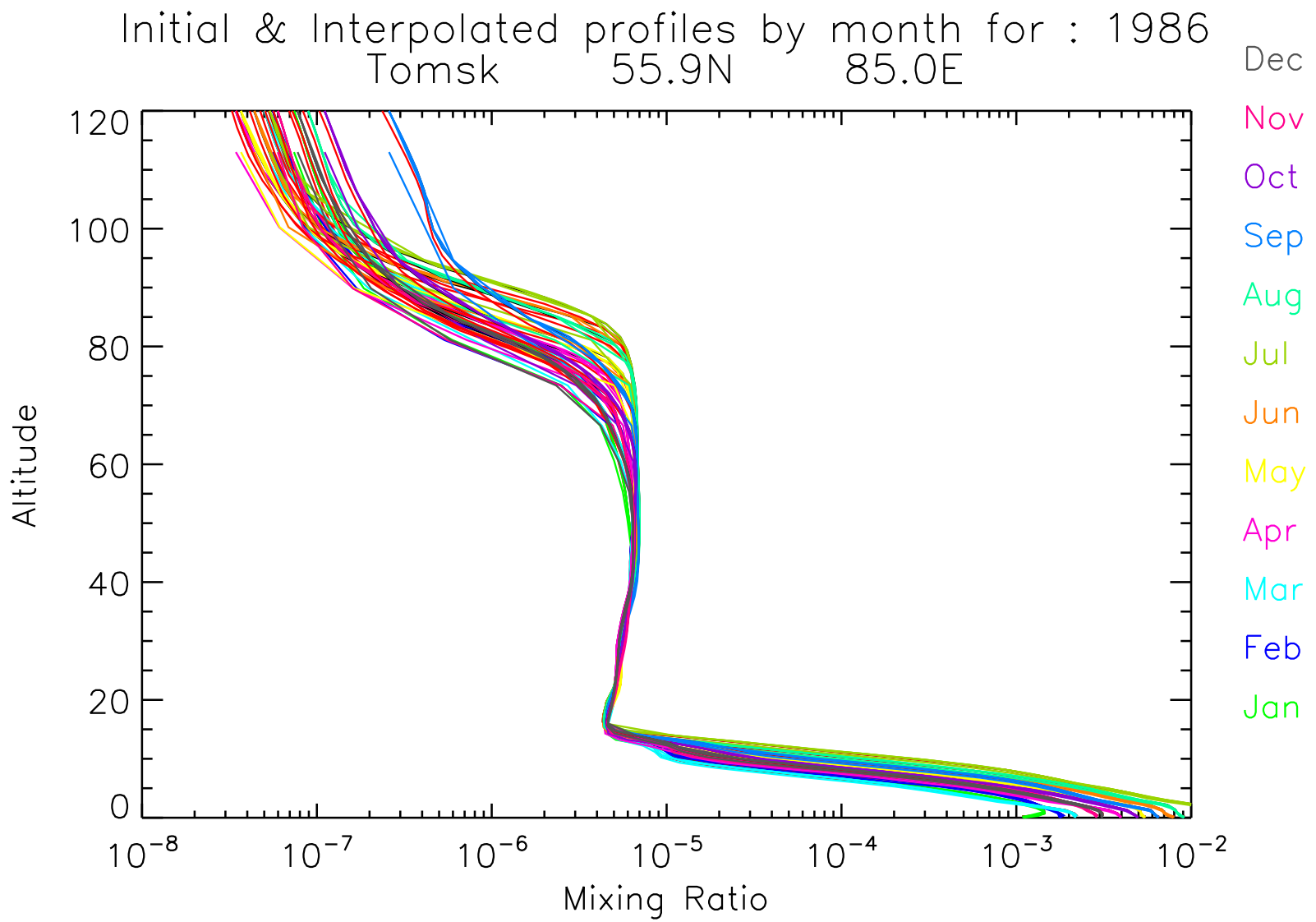
Initial & Interpolated profiles by month for : 1986
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Altitude
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Mixing Ratio
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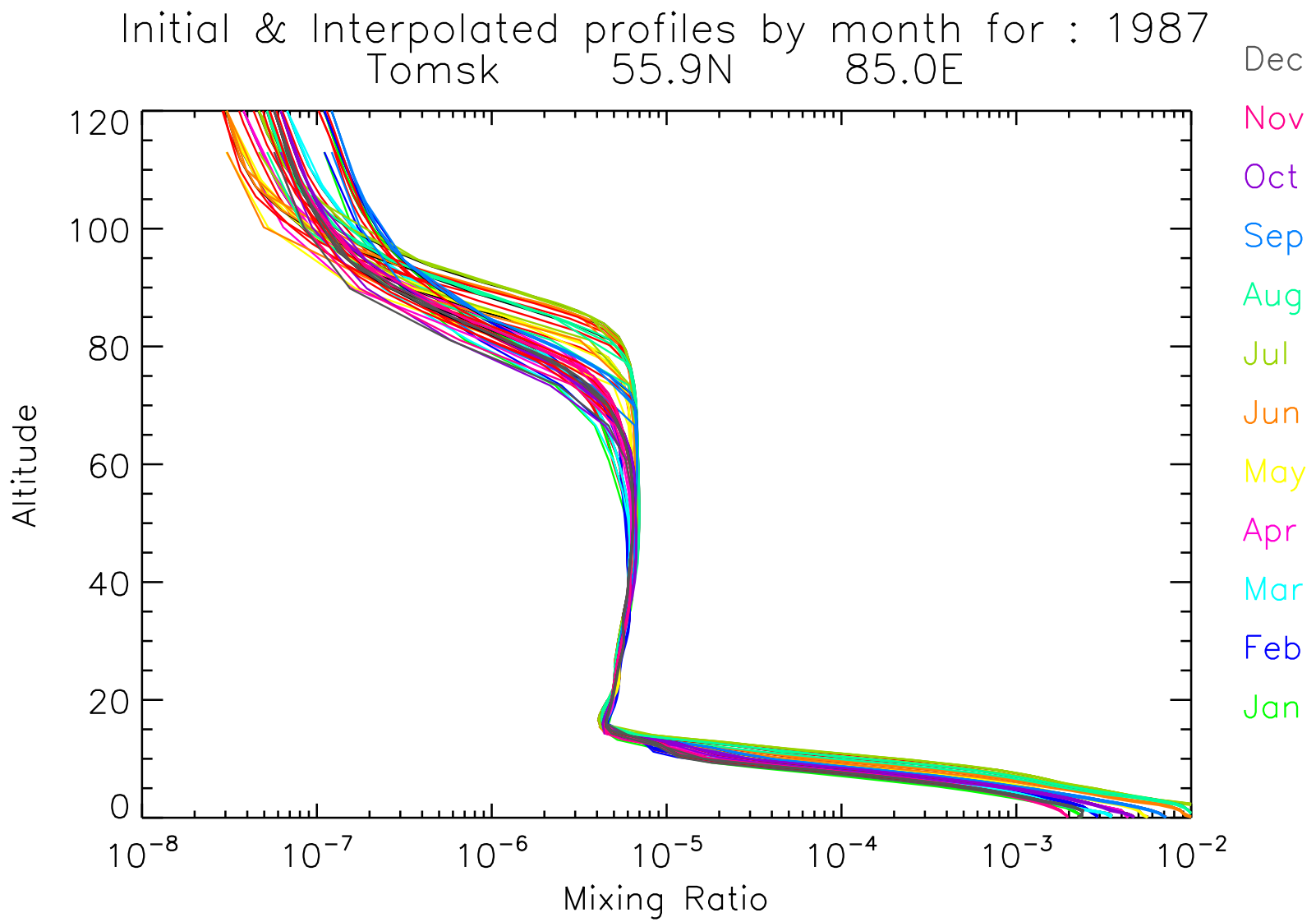
Initial & Interpolated profiles by month for : 1987
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Altitude
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Mixing Ratio
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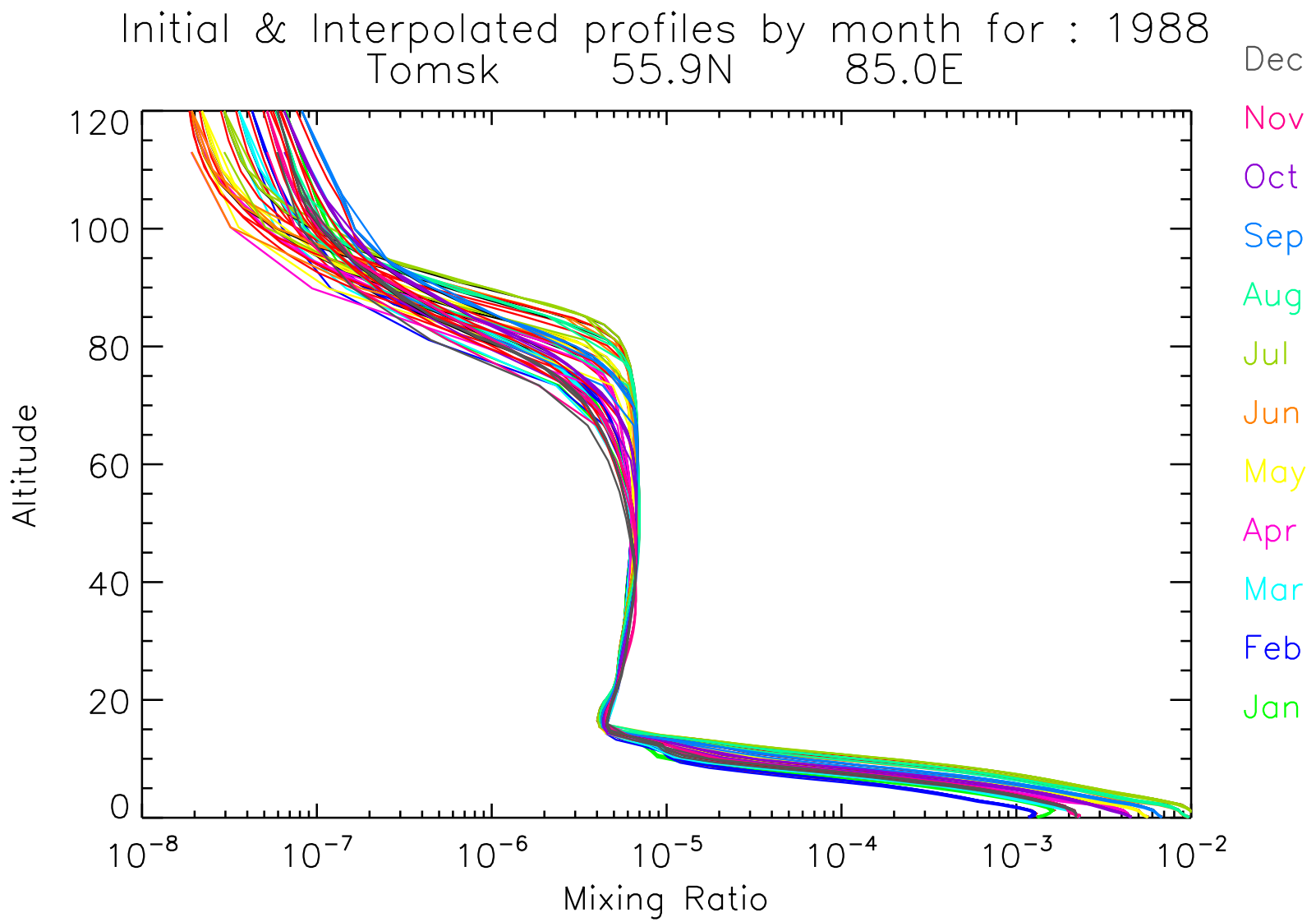
Initial & Interpolated profiles by month for : 1988
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Altitude
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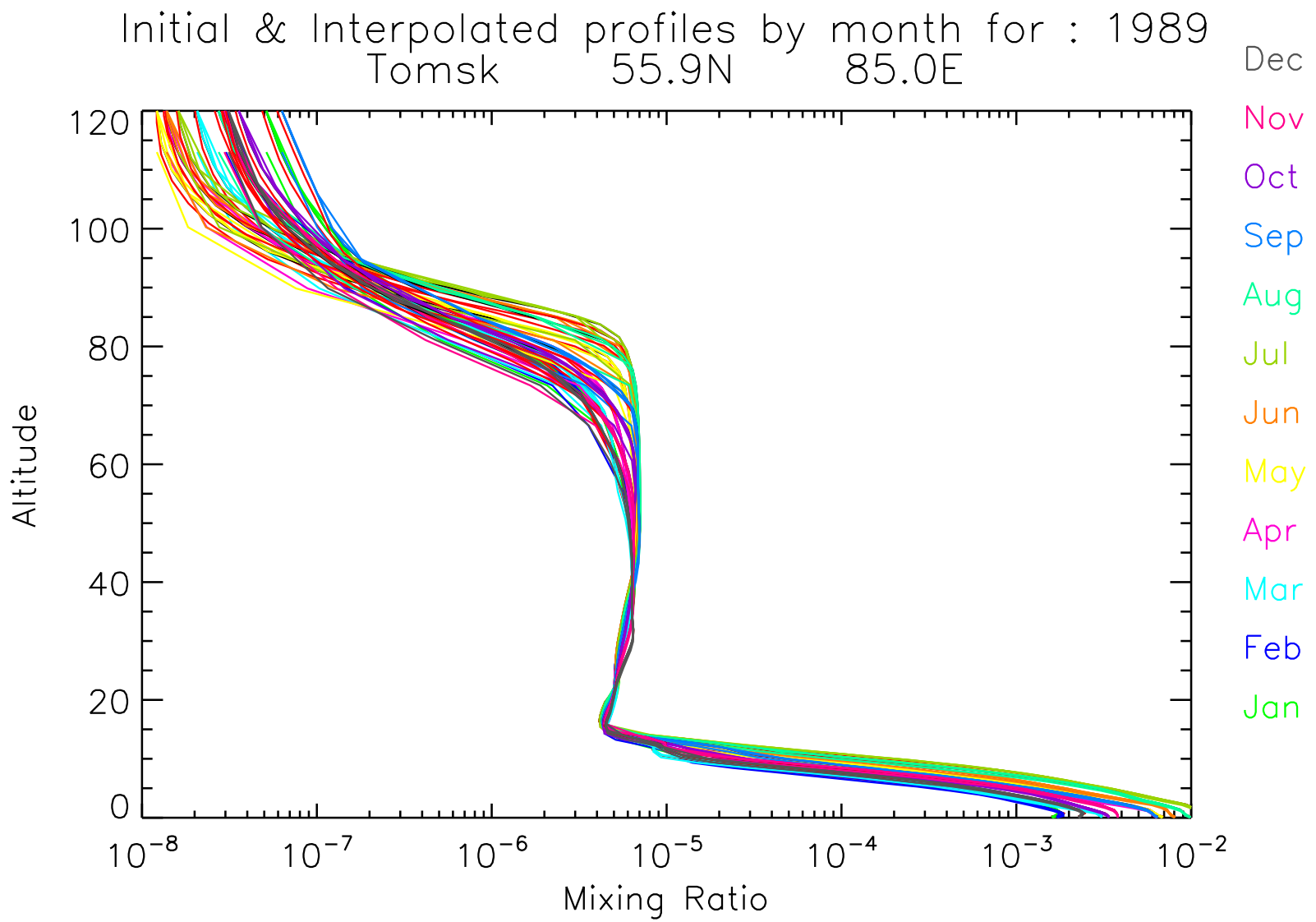
Initial & Interpolated profiles by month for : 1989
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Altitude
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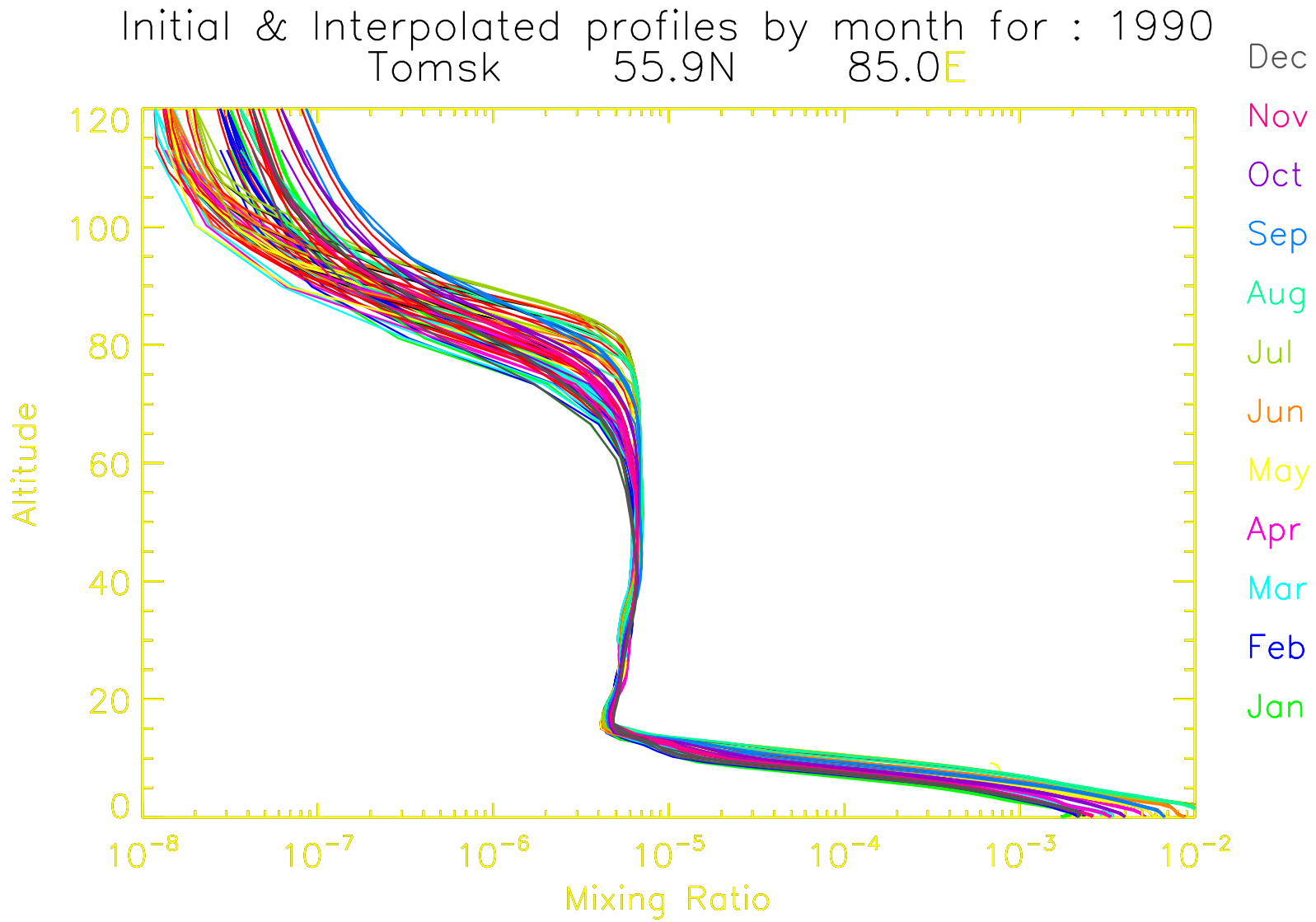
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Tomsk 55.9N 85.0E
Altitude
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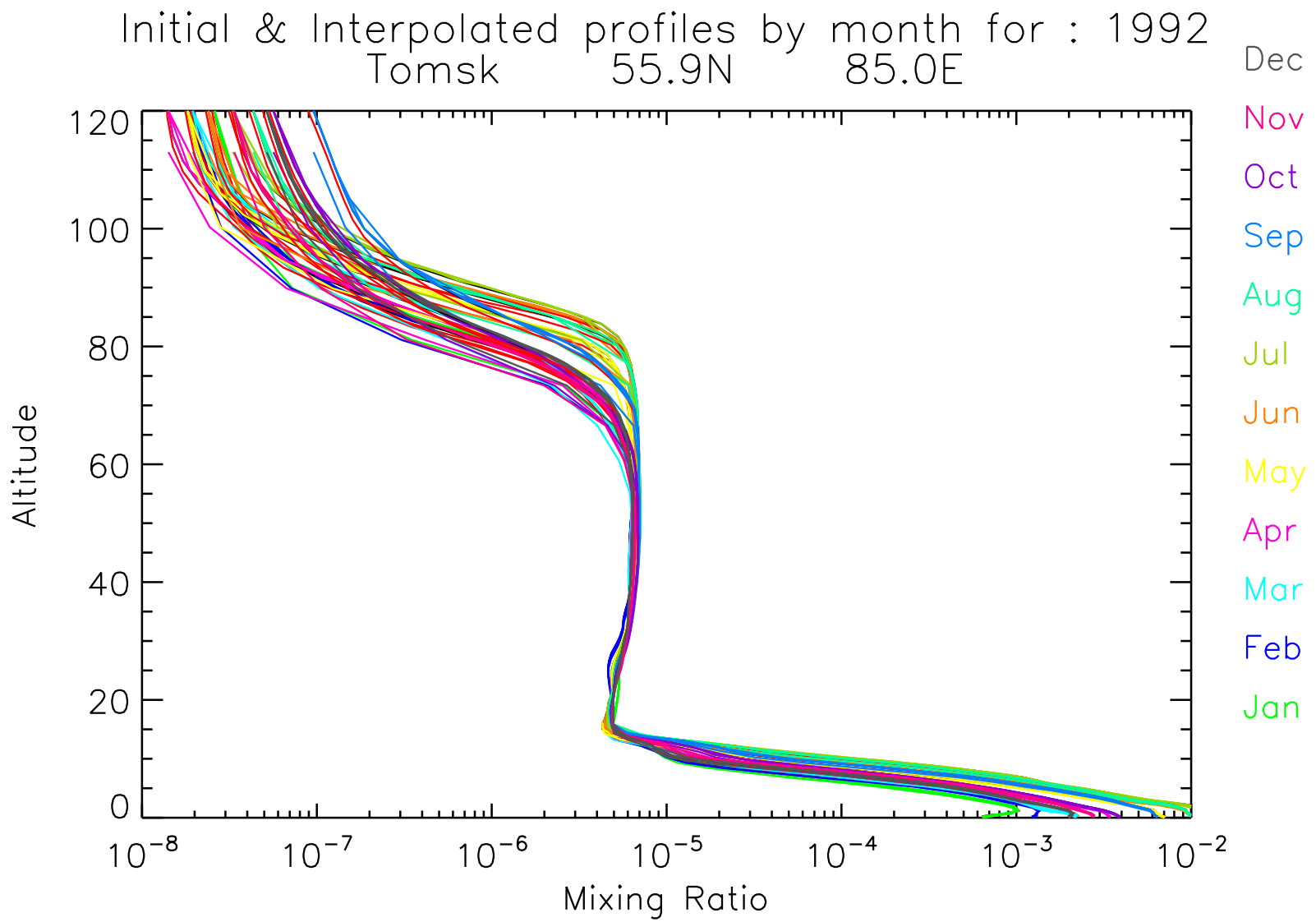
Initial & Interpolated profiles by month for : 1992
Tomsk 55.9N 85.0E
Altitude
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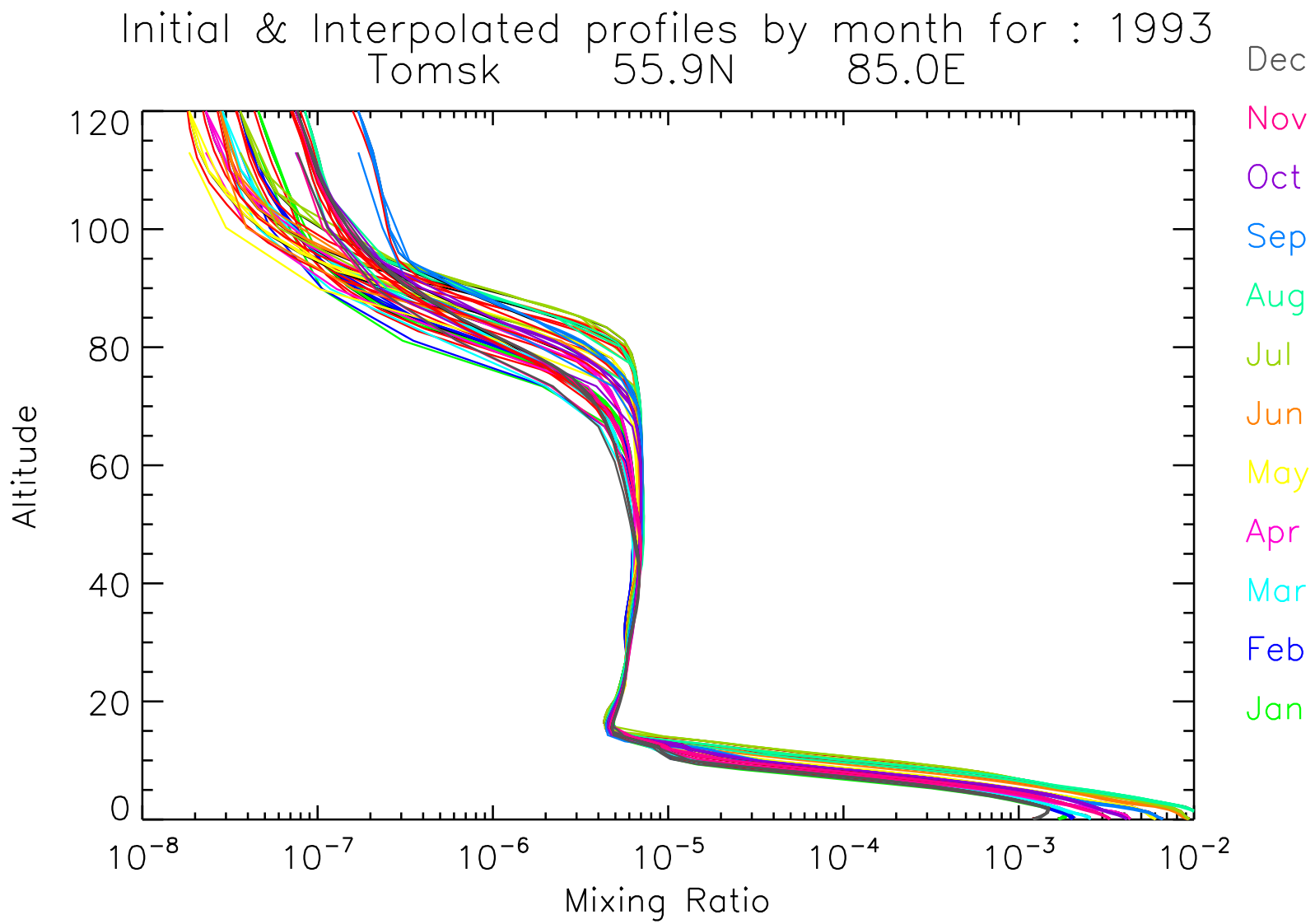
Initial & Interpolated profiles by month for : 1993
Tomsk 55.9N 85.0E
Altitude
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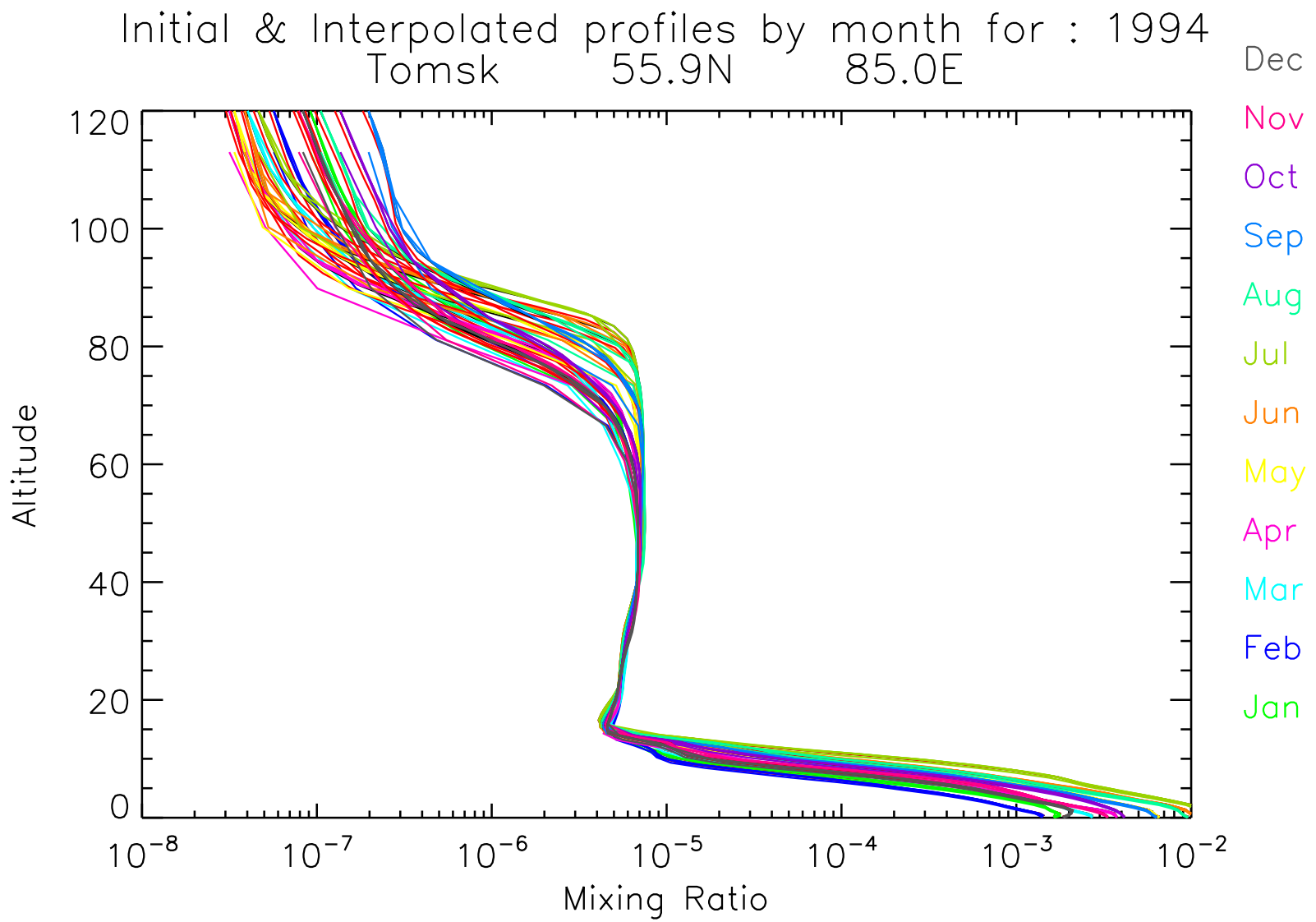
Initial & Interpolated profiles by month for : 1994
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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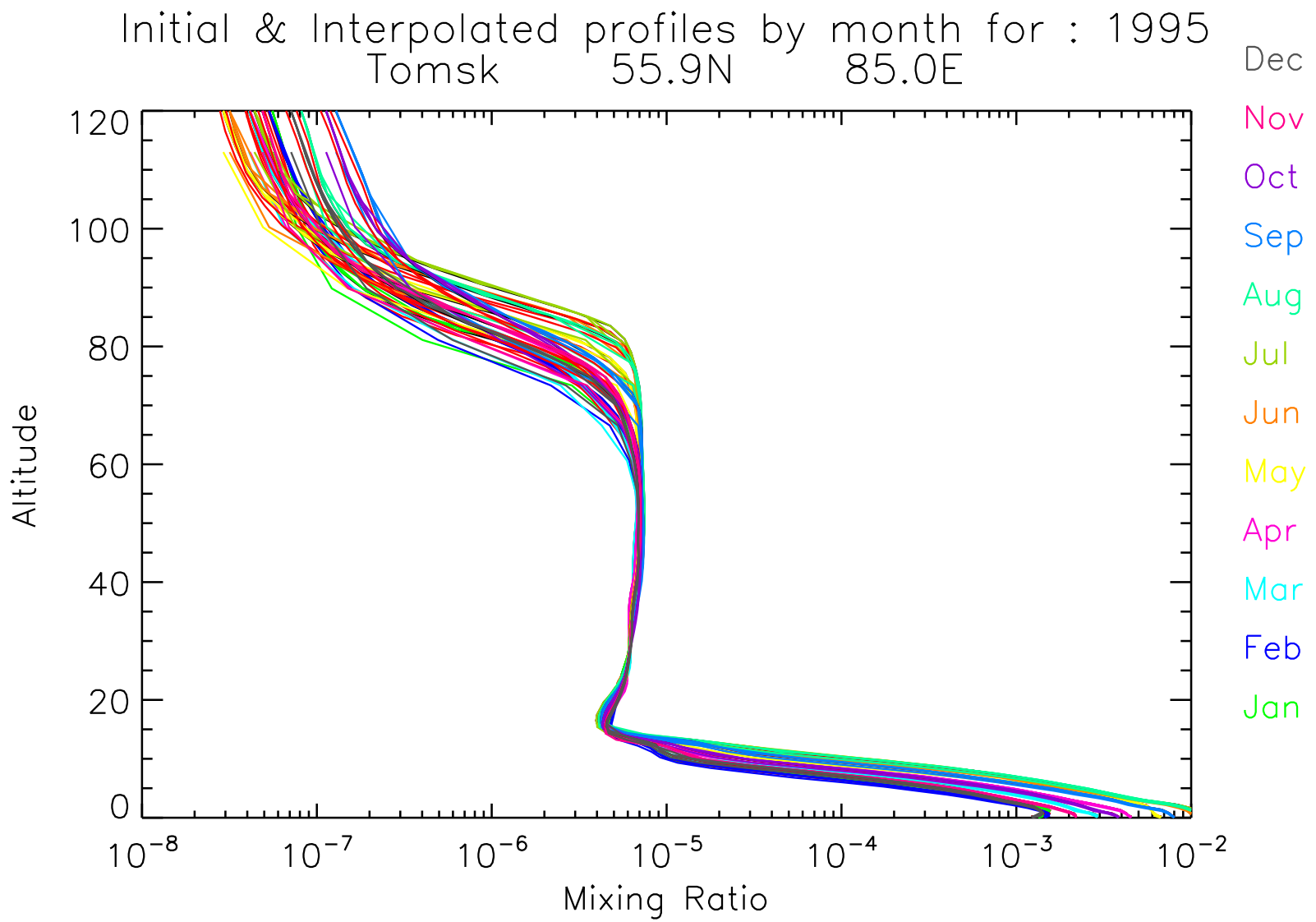
Initial & Interpolated profiles by month for : 1995
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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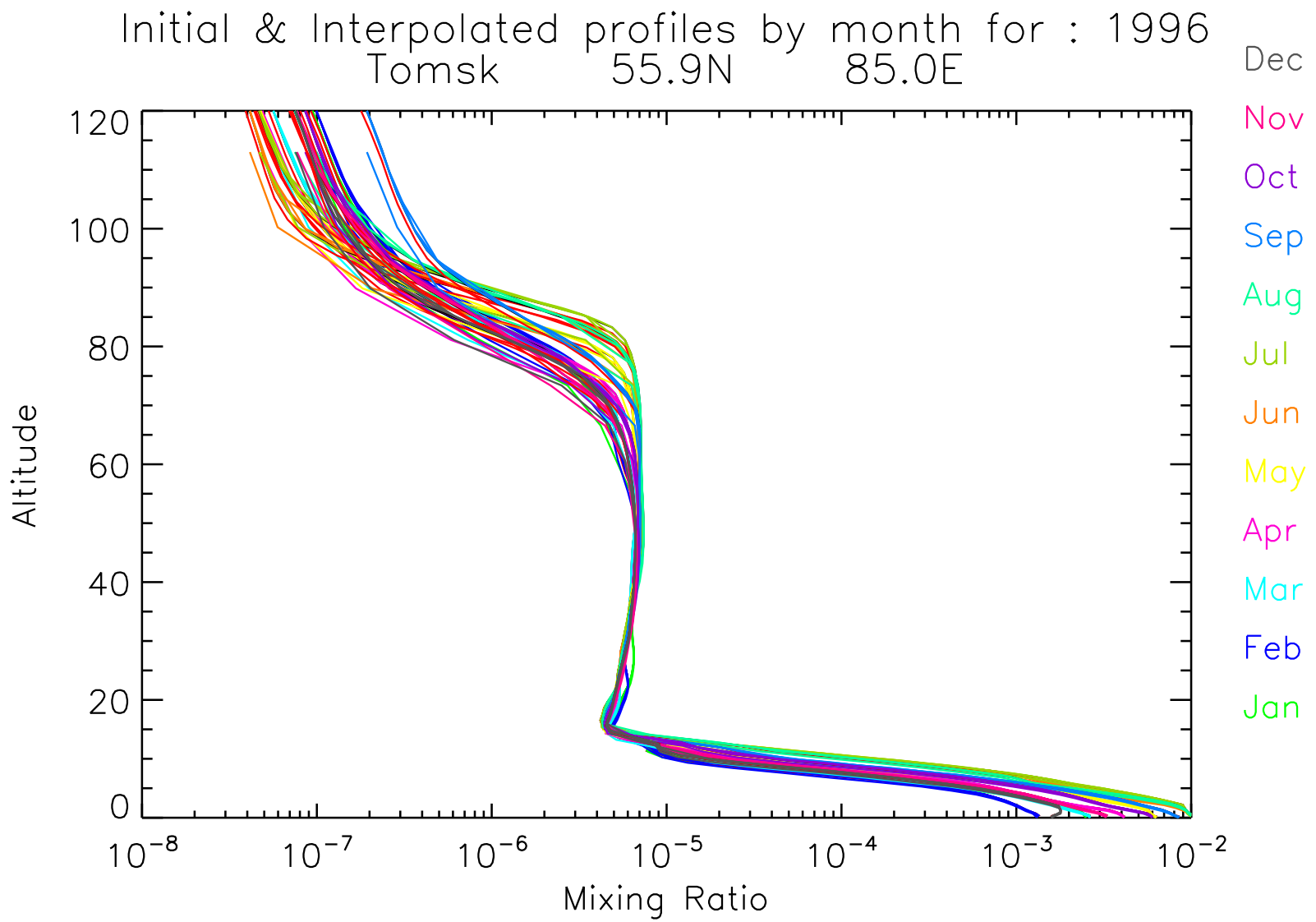
Initial & Interpolated profiles by month for : 1996
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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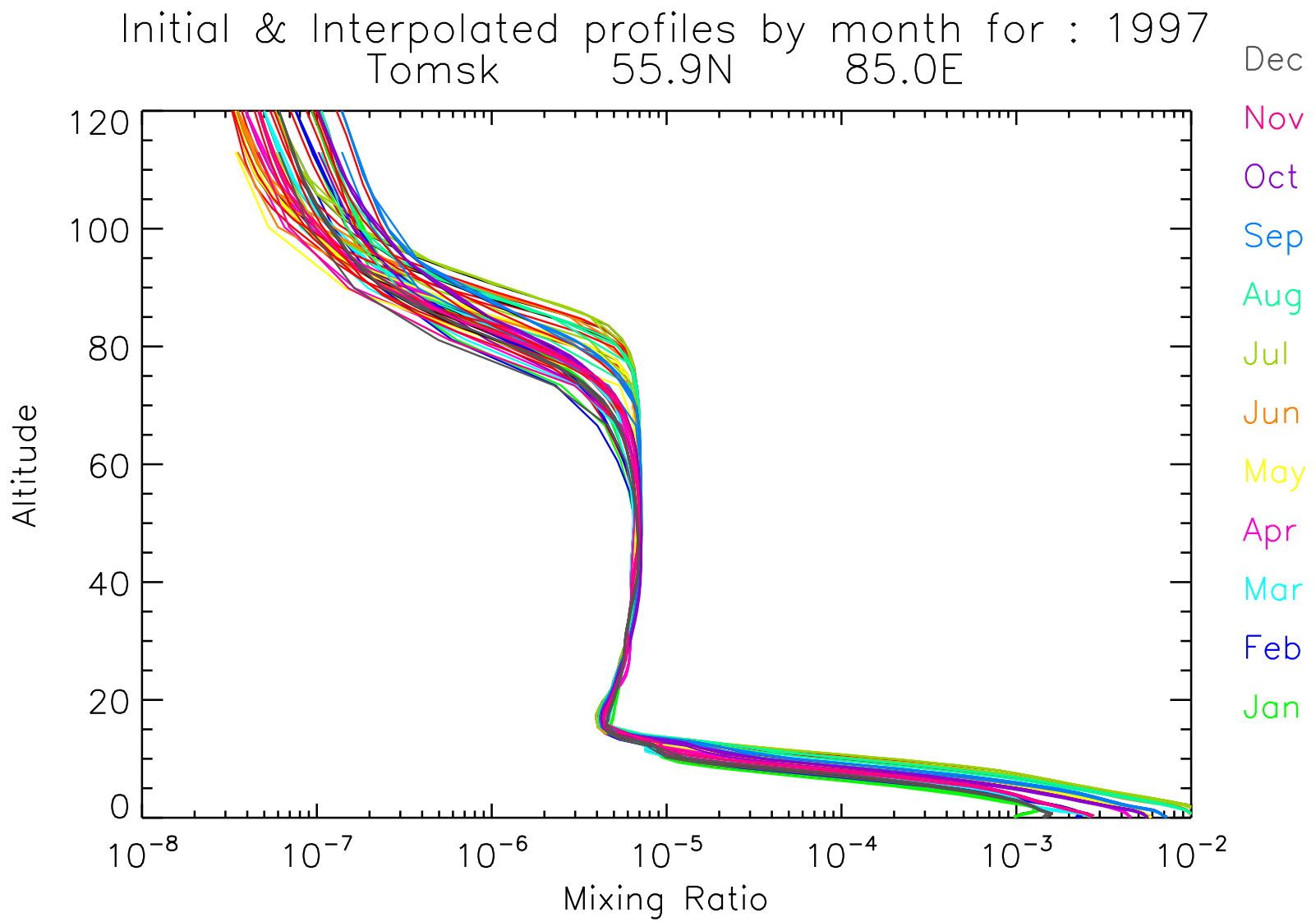
Initial & Interpolated profiles by month for : 1997
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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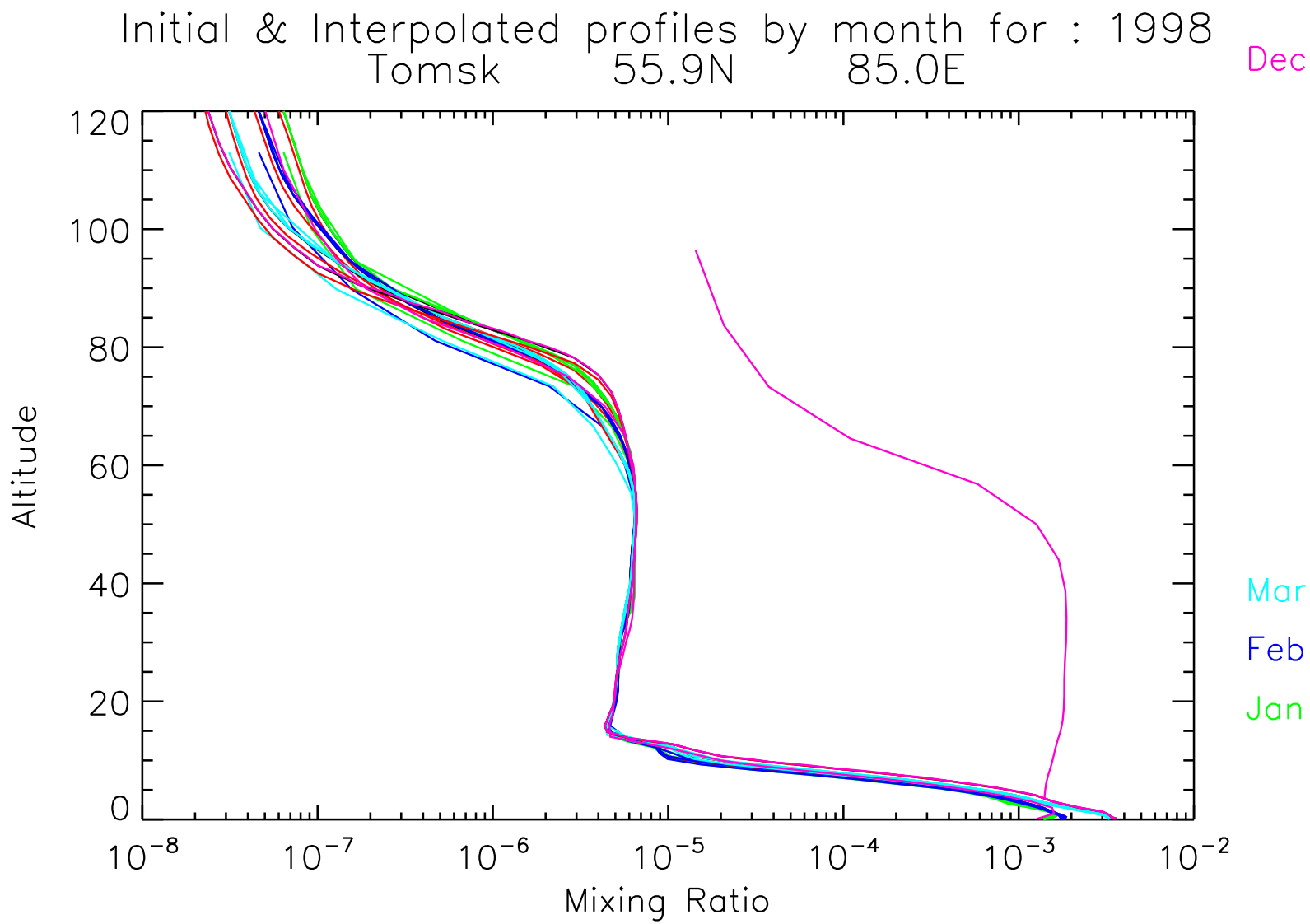
Initial & Interpolated profiles by month for : 1998
Tomsk 55.9N 85.0E
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Altitude
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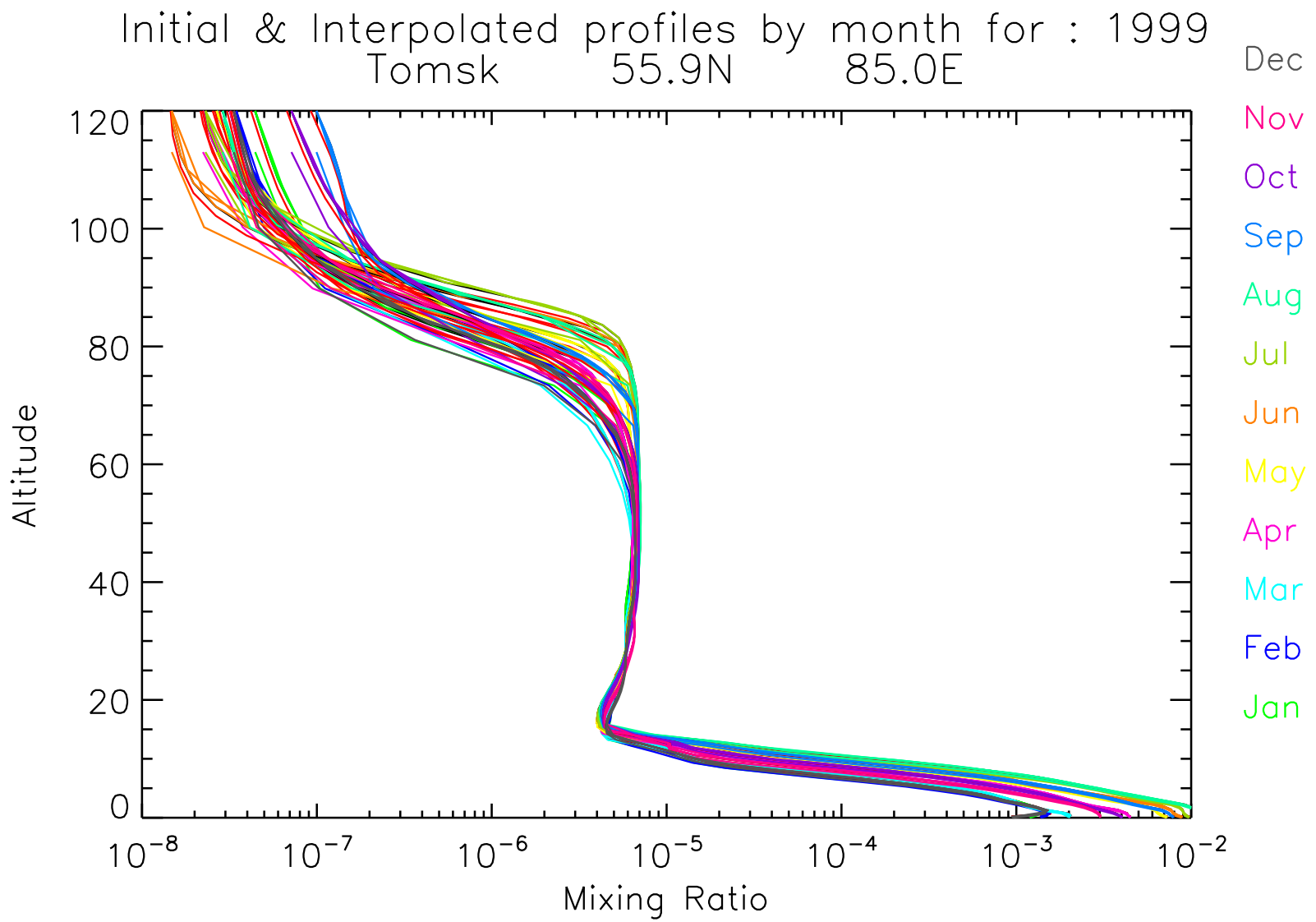
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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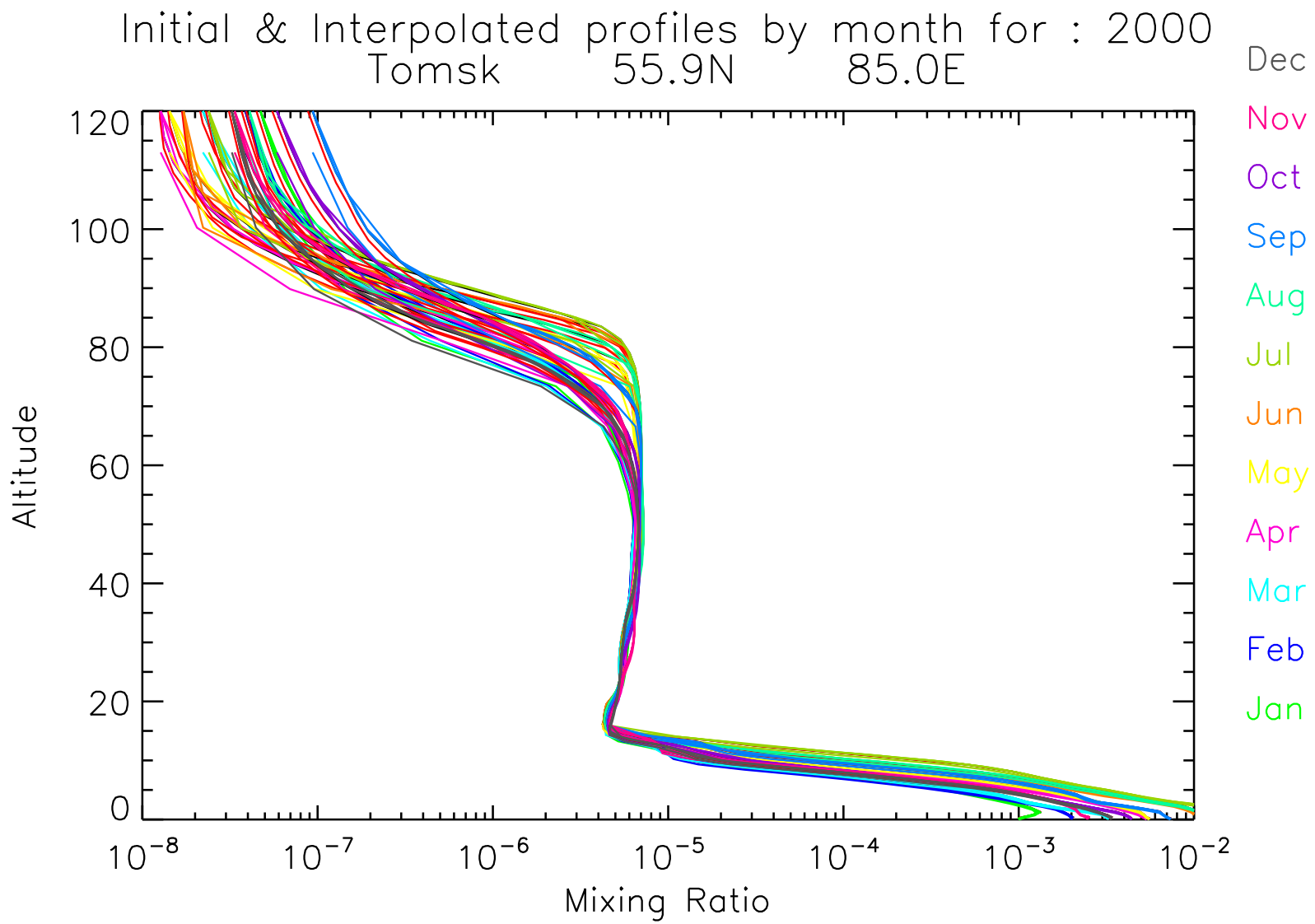
Initial & Interpolated profiles by month for : 2000
Tomsk 55.9N 85.0E
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Mixing Ratio
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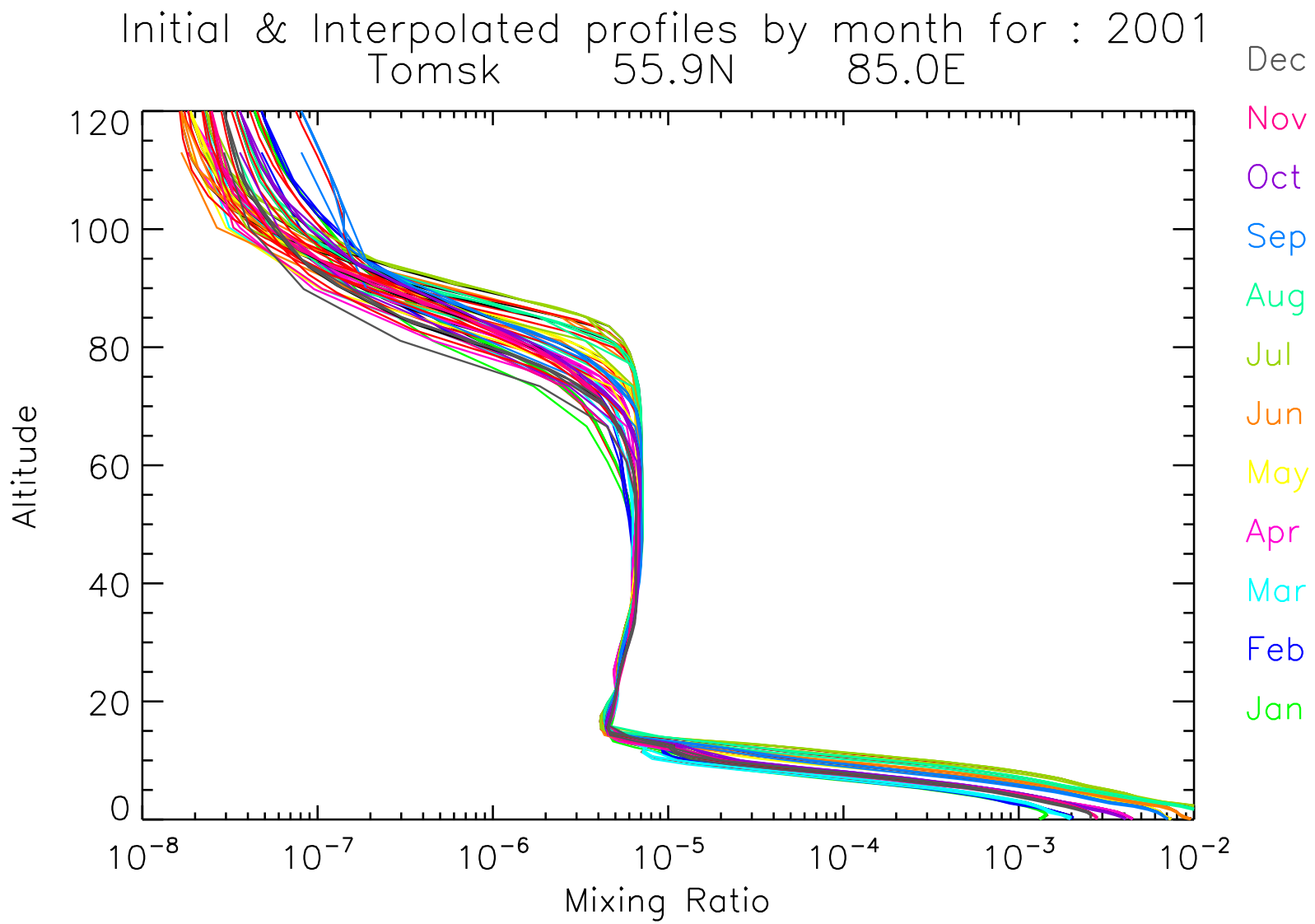
Initial & Interpolated profiles by month for : 2001
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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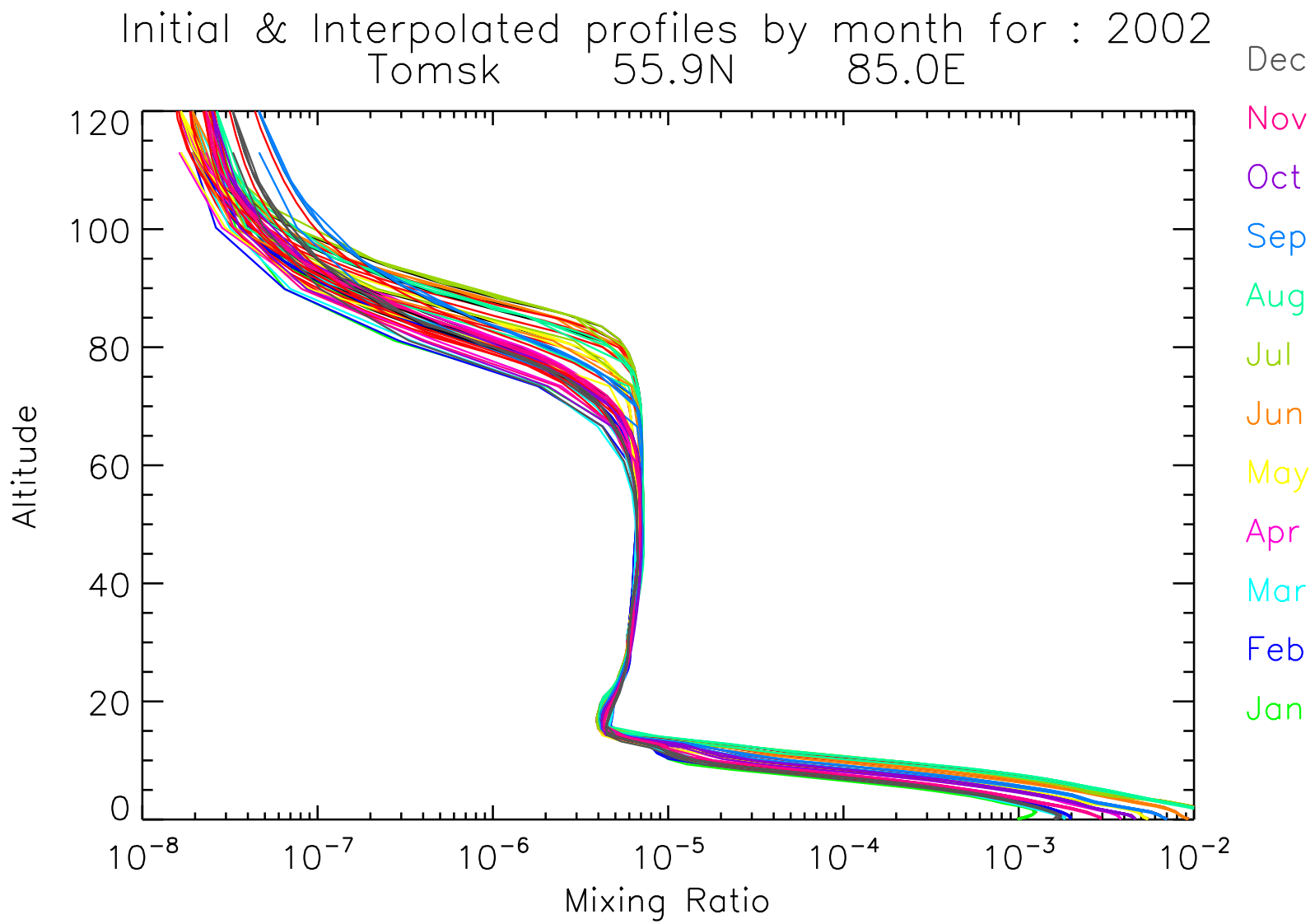
Initial & Interpolated profiles by month for : 2002
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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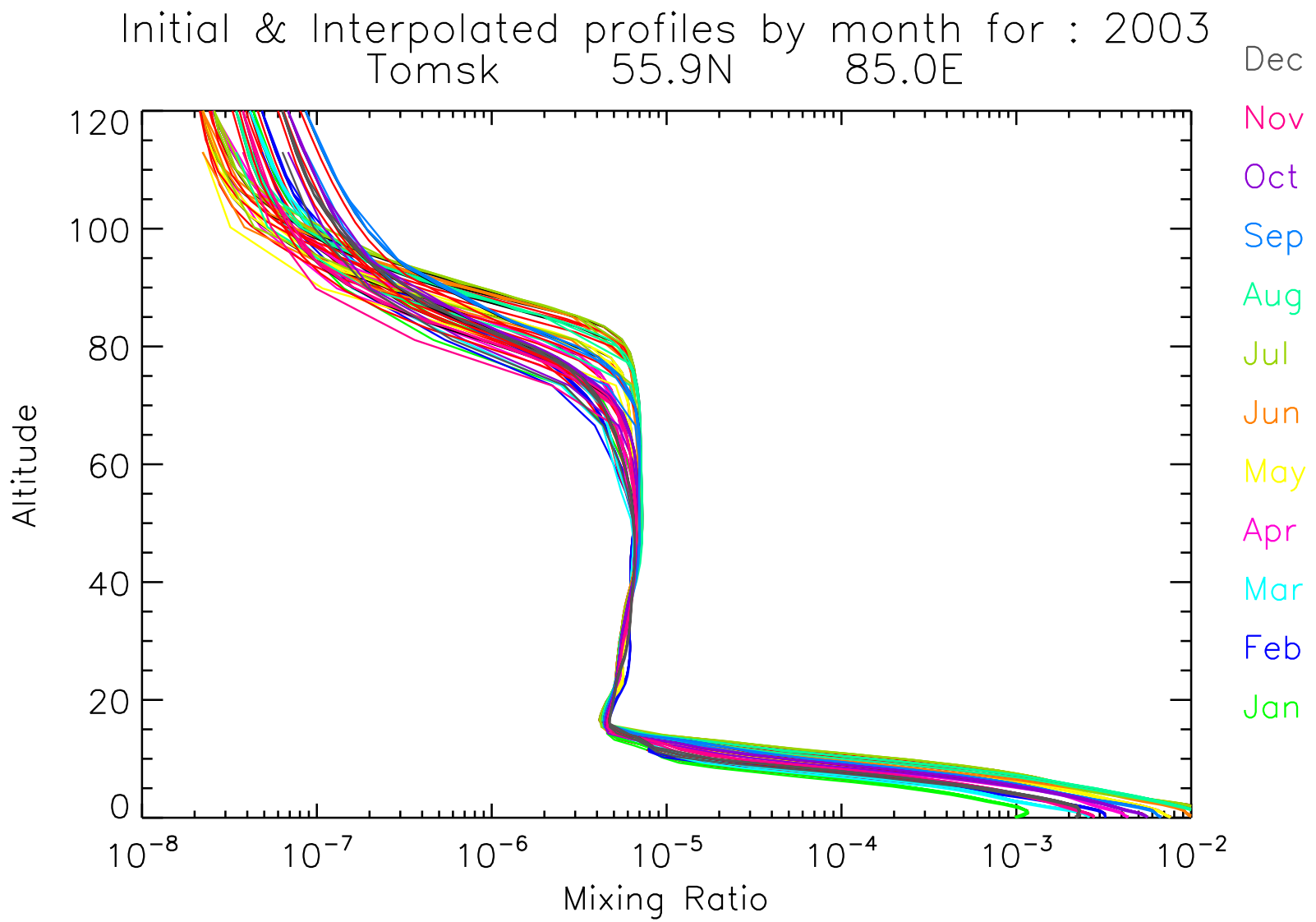
Initial & Interpolated profiles by month for : 2003
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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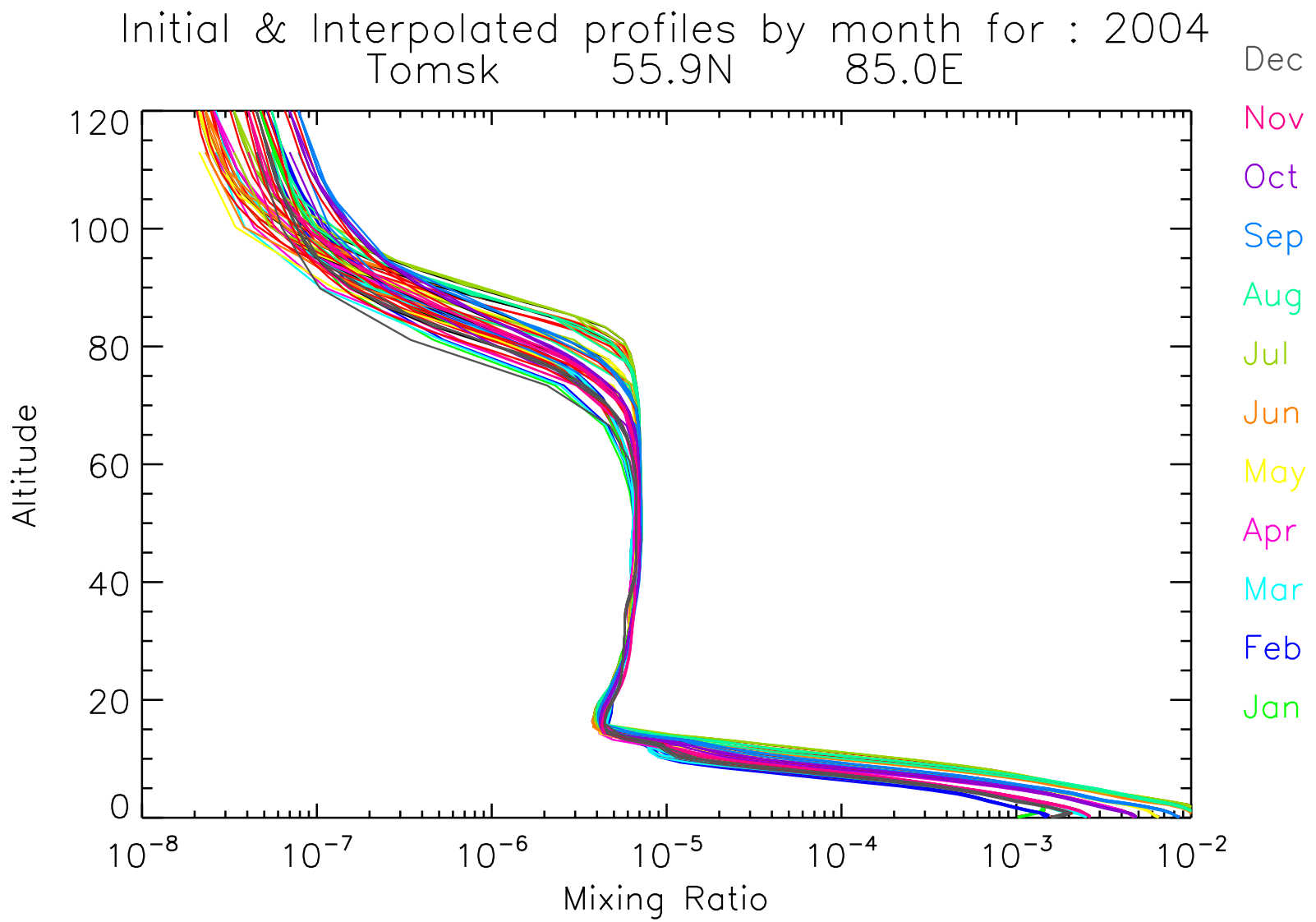
Initial & Interpolated profiles by month for : 2004
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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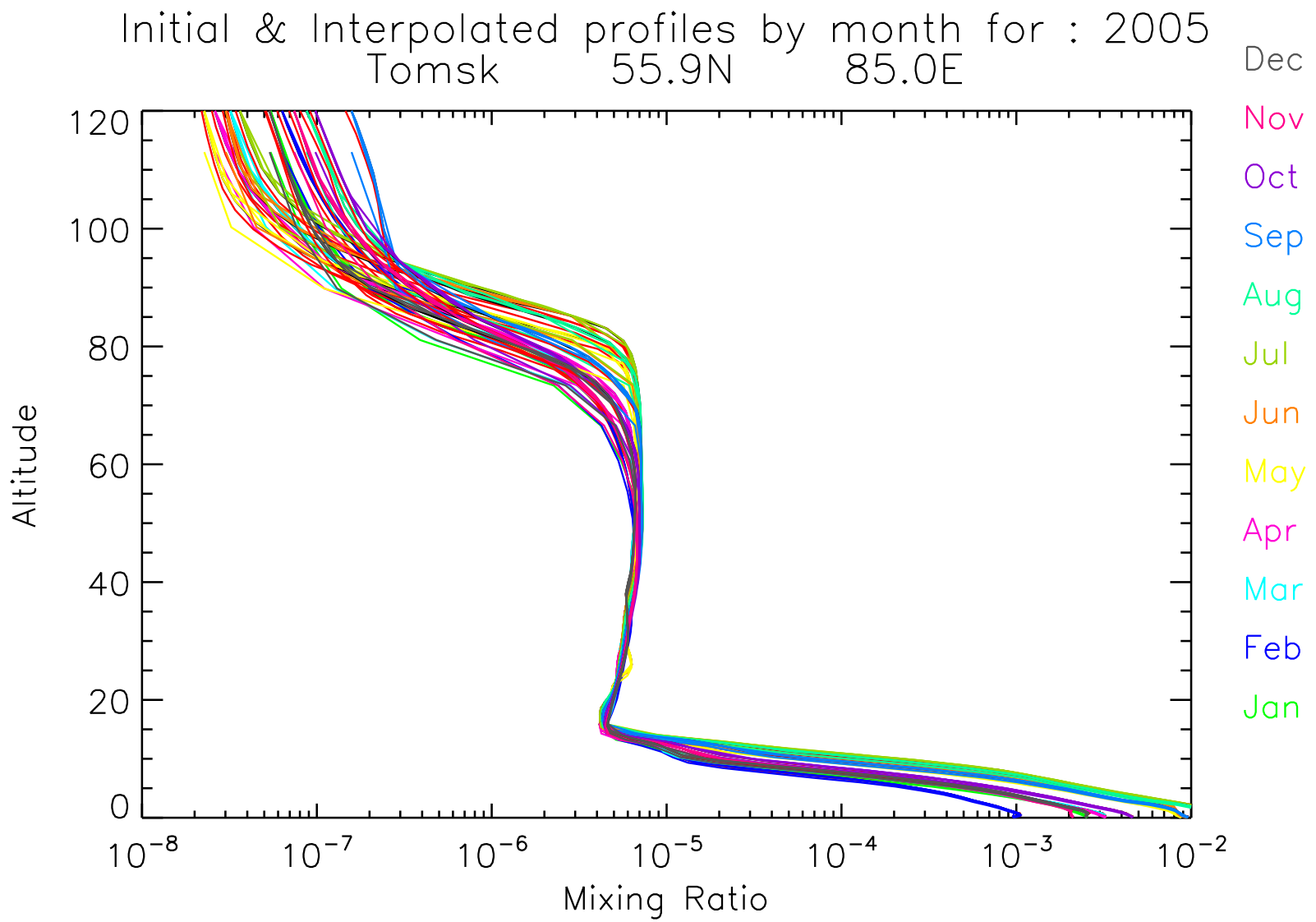
Initial & Interpolated profiles by month for : 2005
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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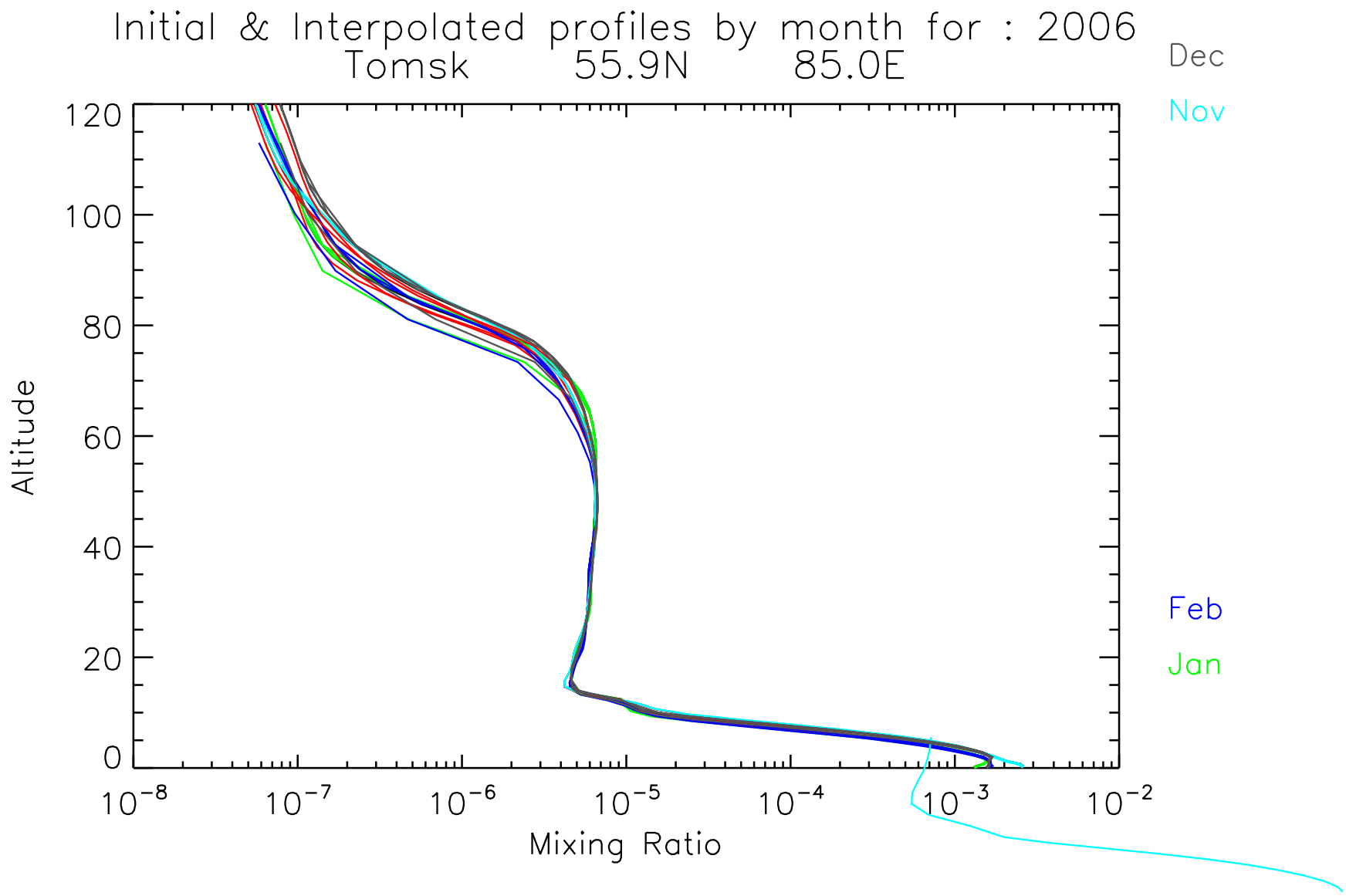
Initial & Interpolated profiles by month for : 2006
Tomsk 55.9N 85.0E
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Altitude
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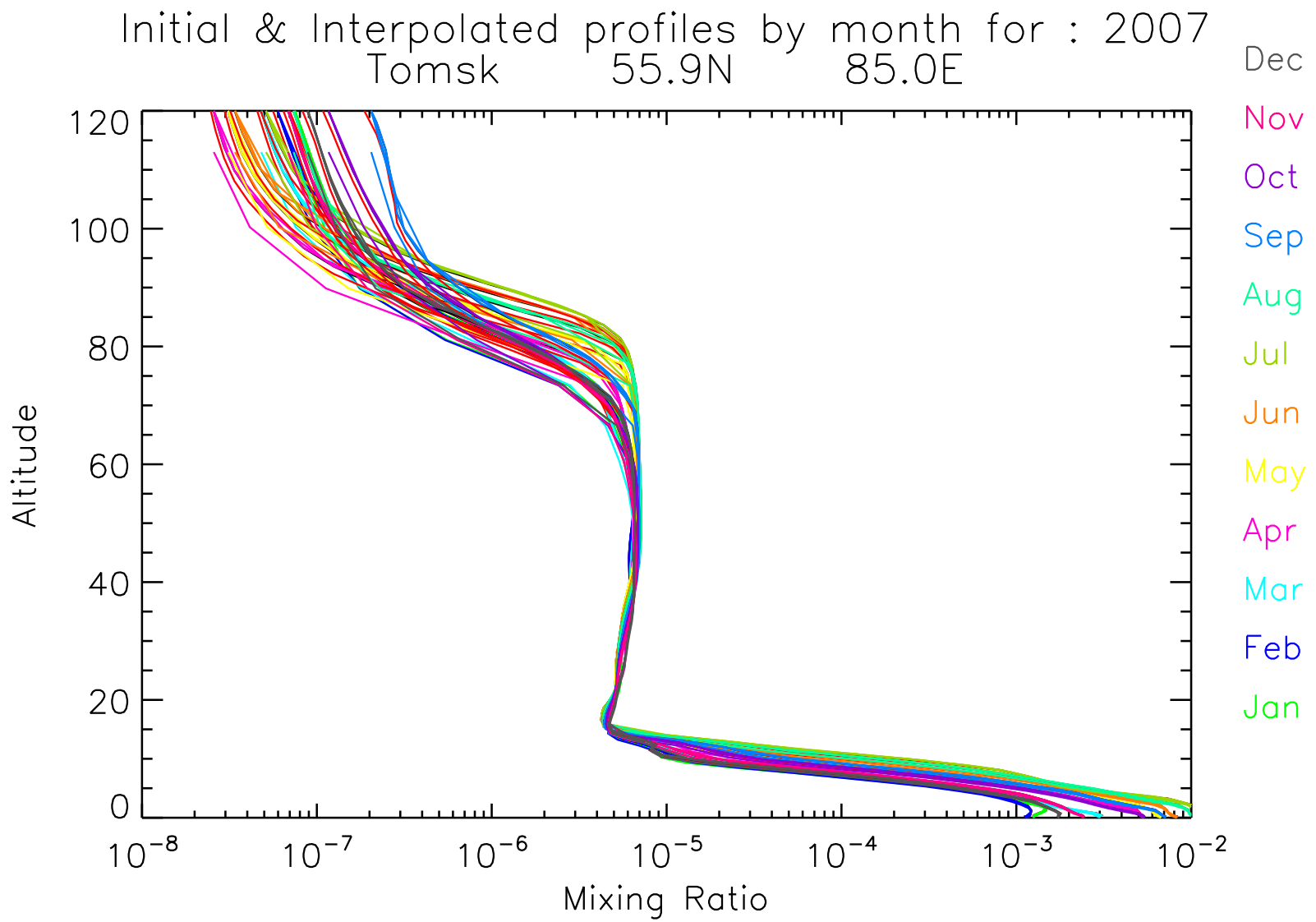
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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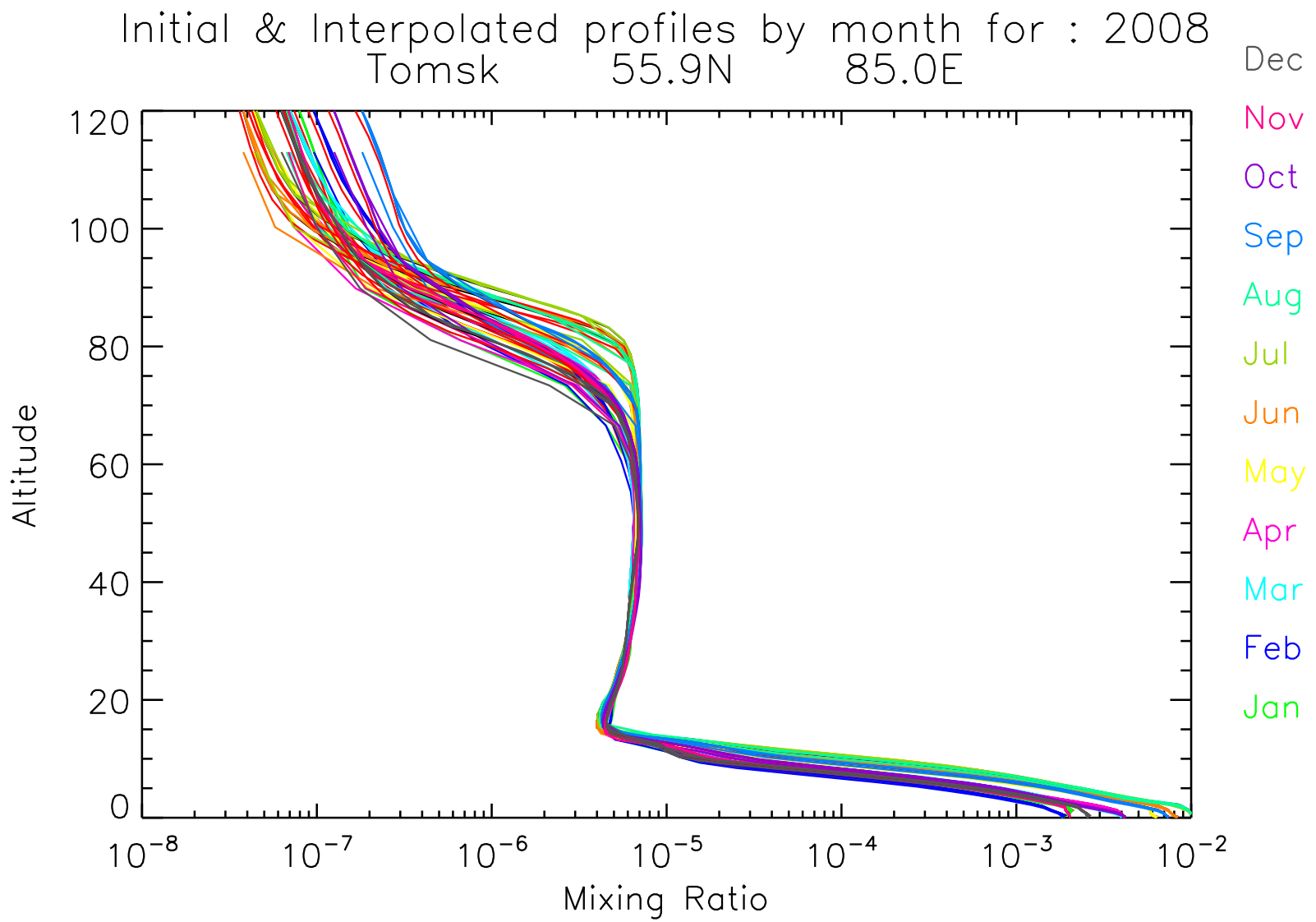
Initial & Interpolated profiles by month for : 2008
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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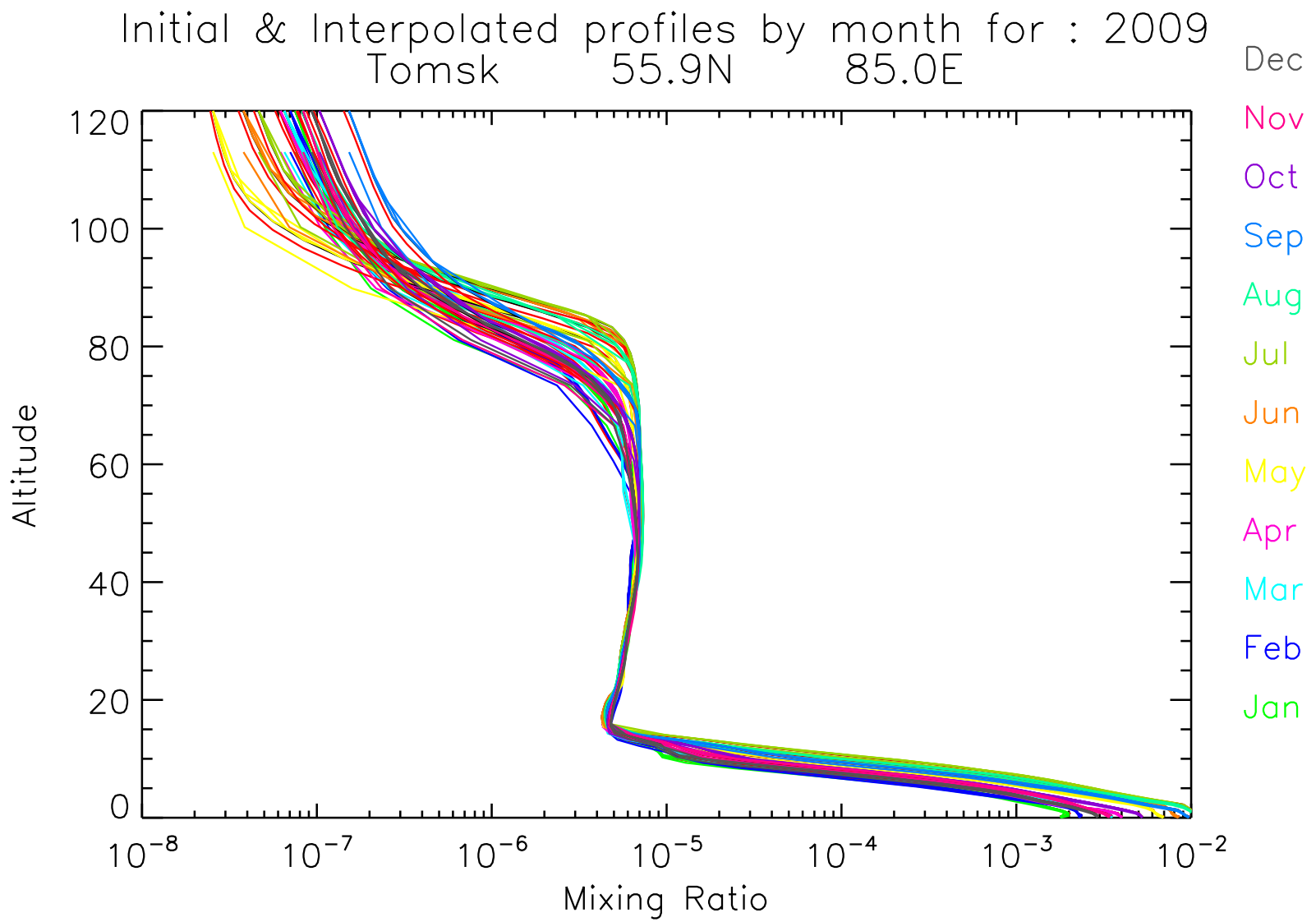
Initial & Interpolated profiles by month for : 2009
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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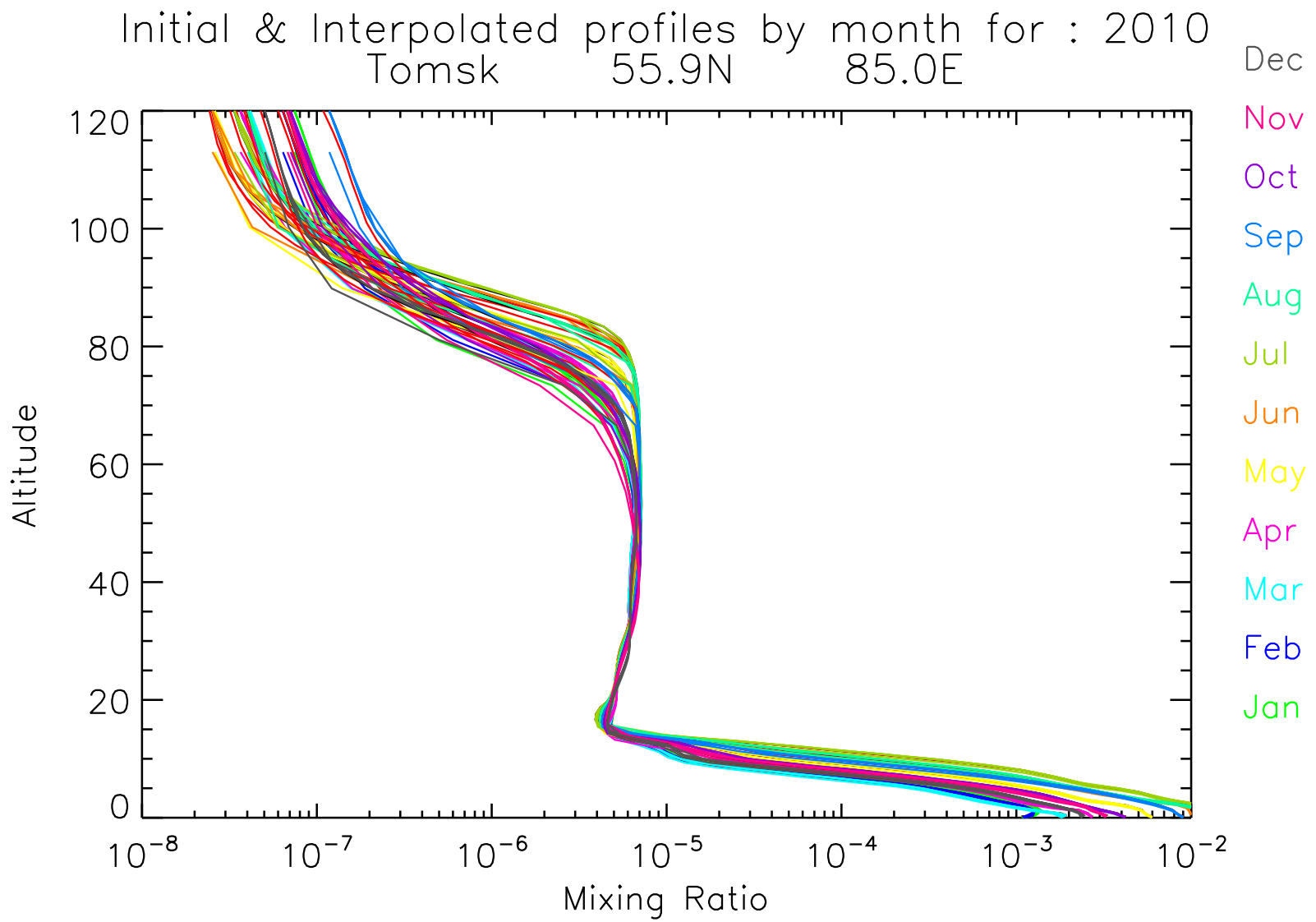
Initial & Interpolated profiles by month for : 2010
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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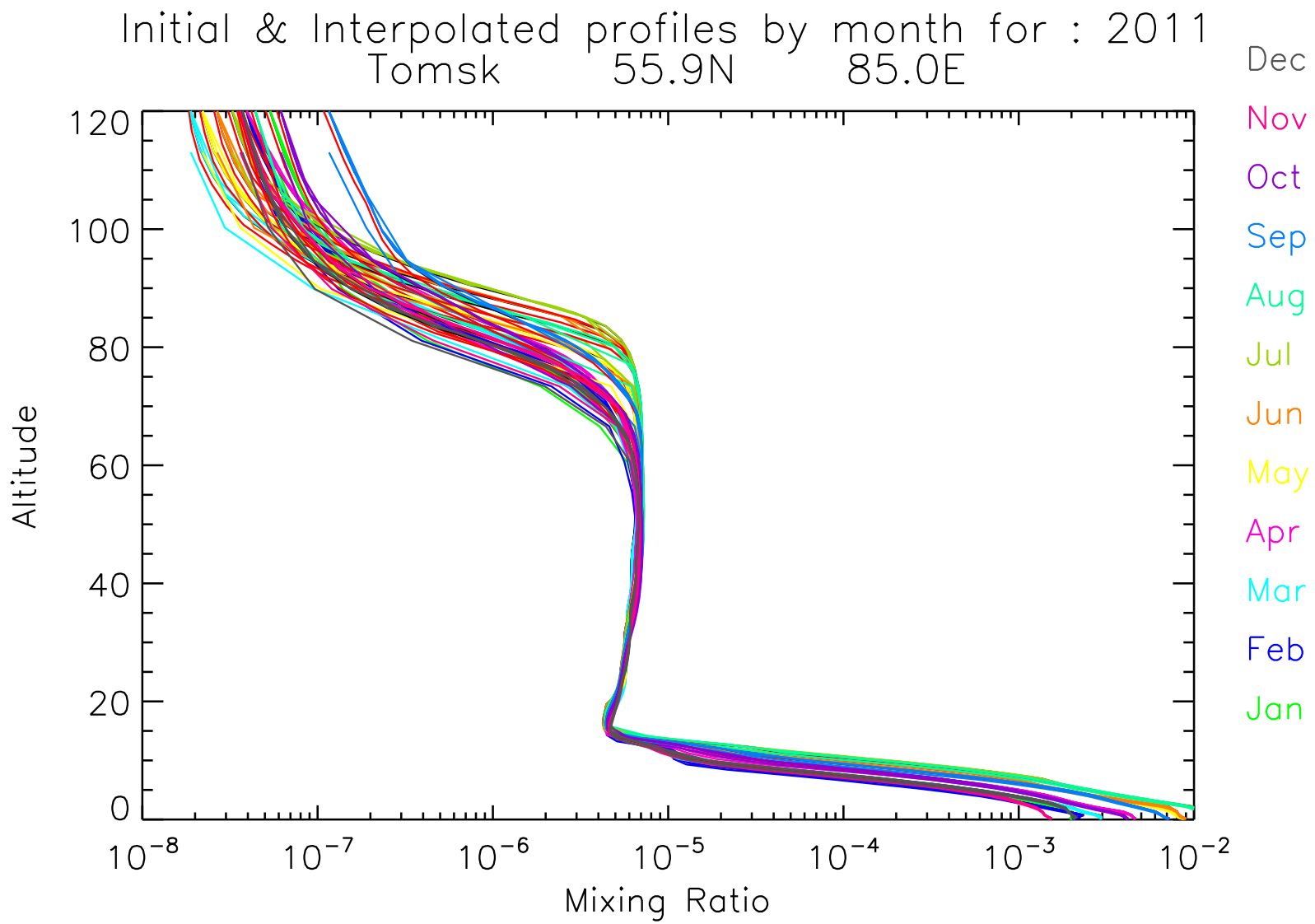
Initial & Interpolated profiles by month for : 2011
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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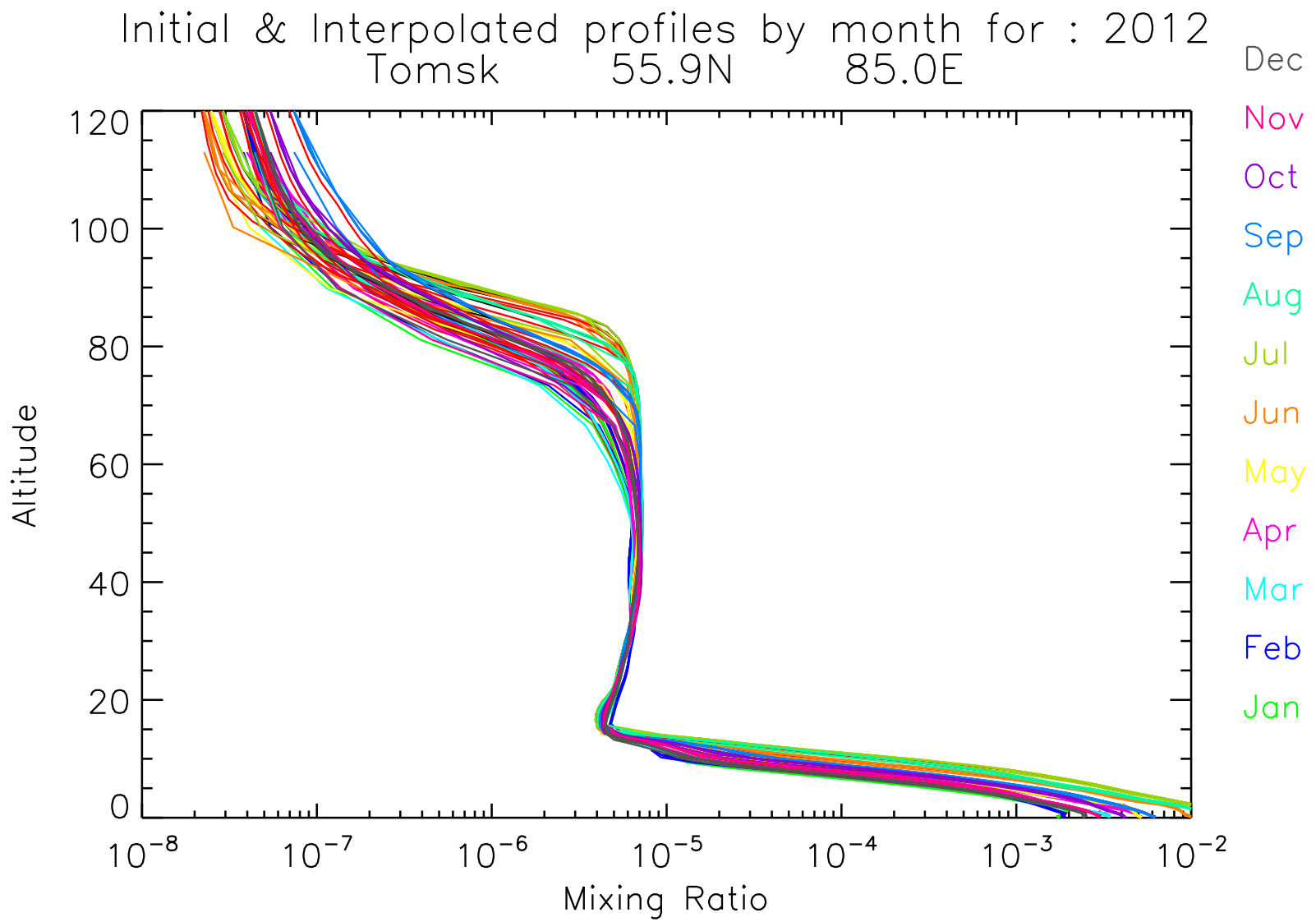
Initial & Interpolated profiles by month for : 2012
Tomsk 55.9N 85.0E
Altitude
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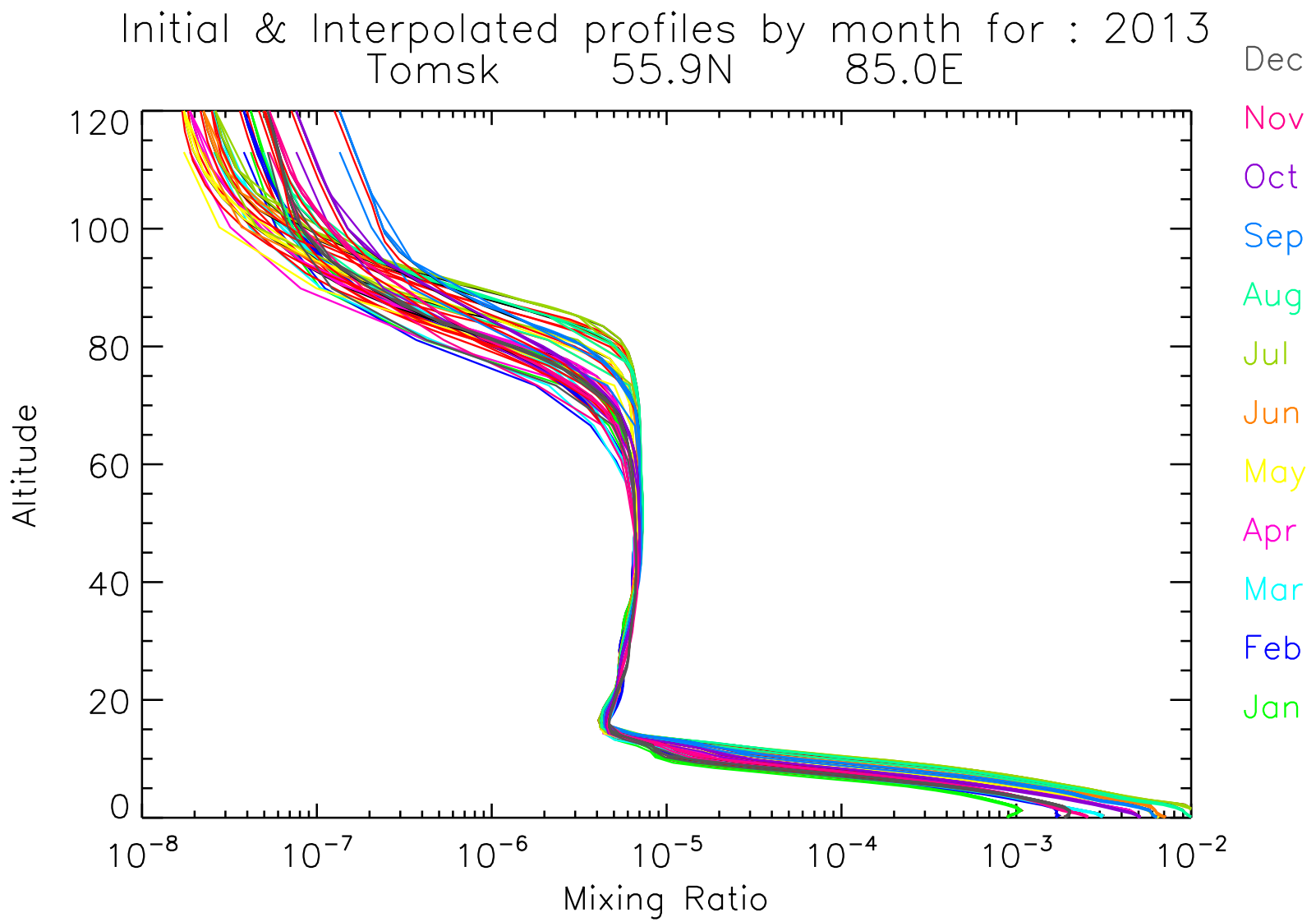
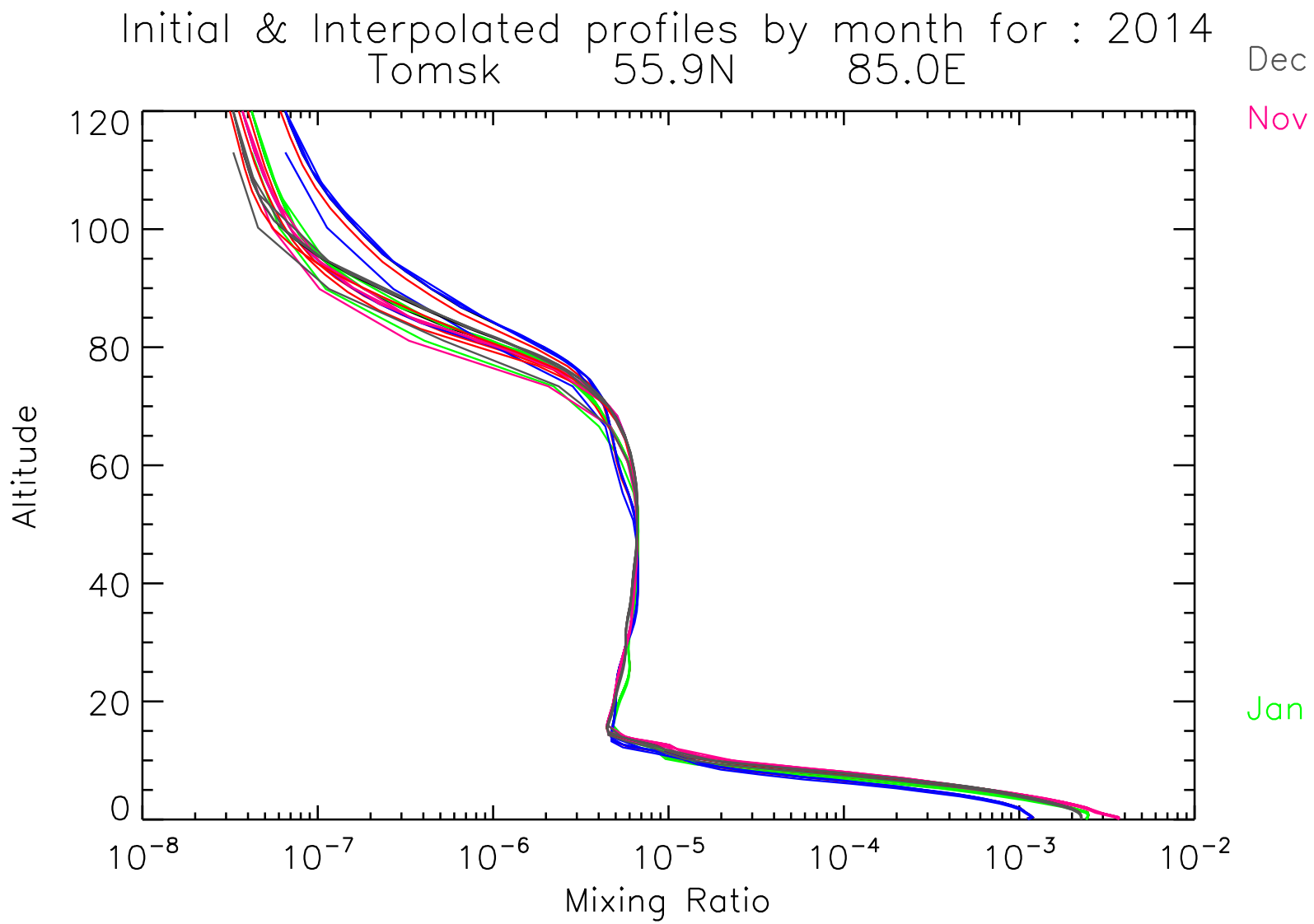
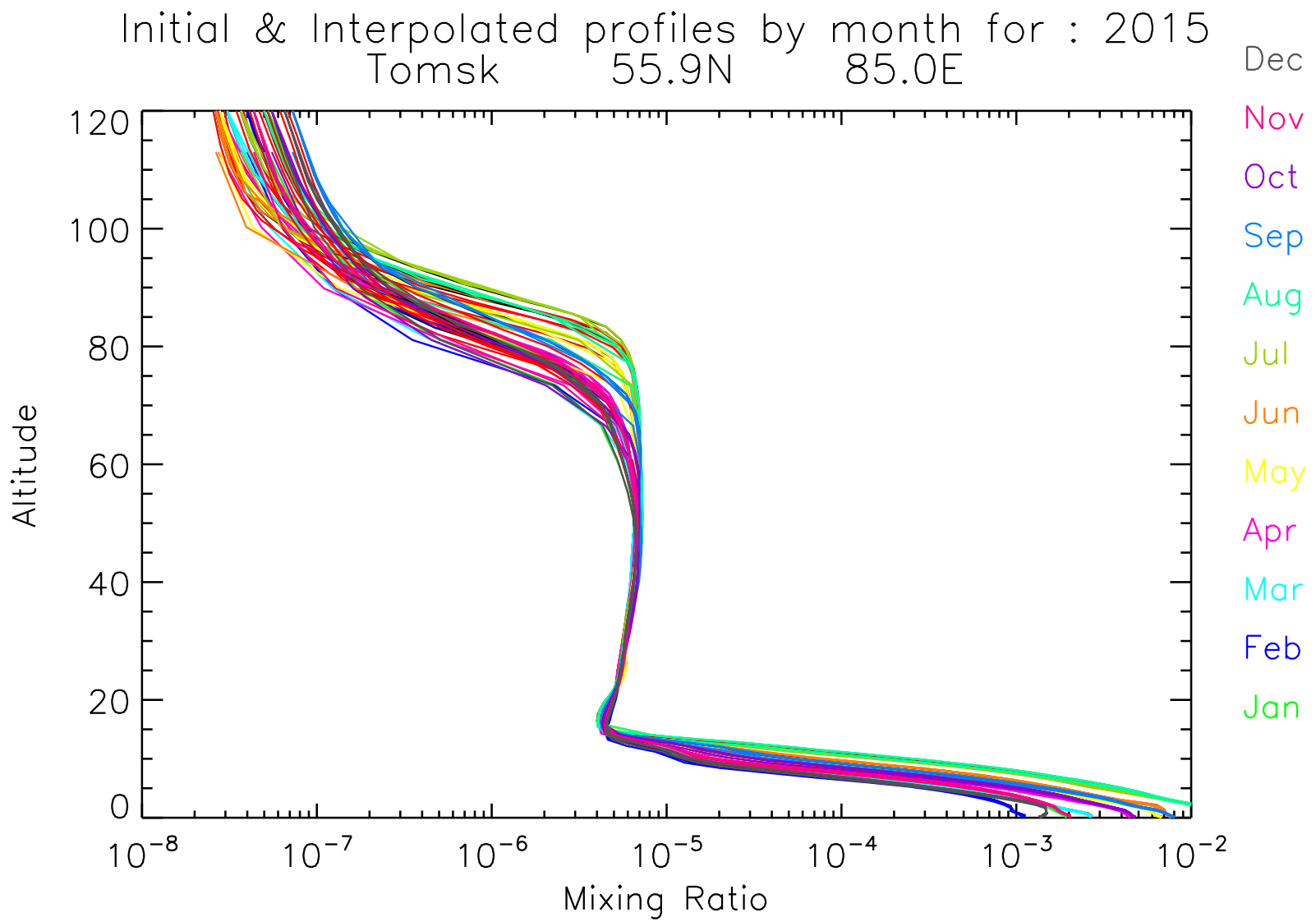
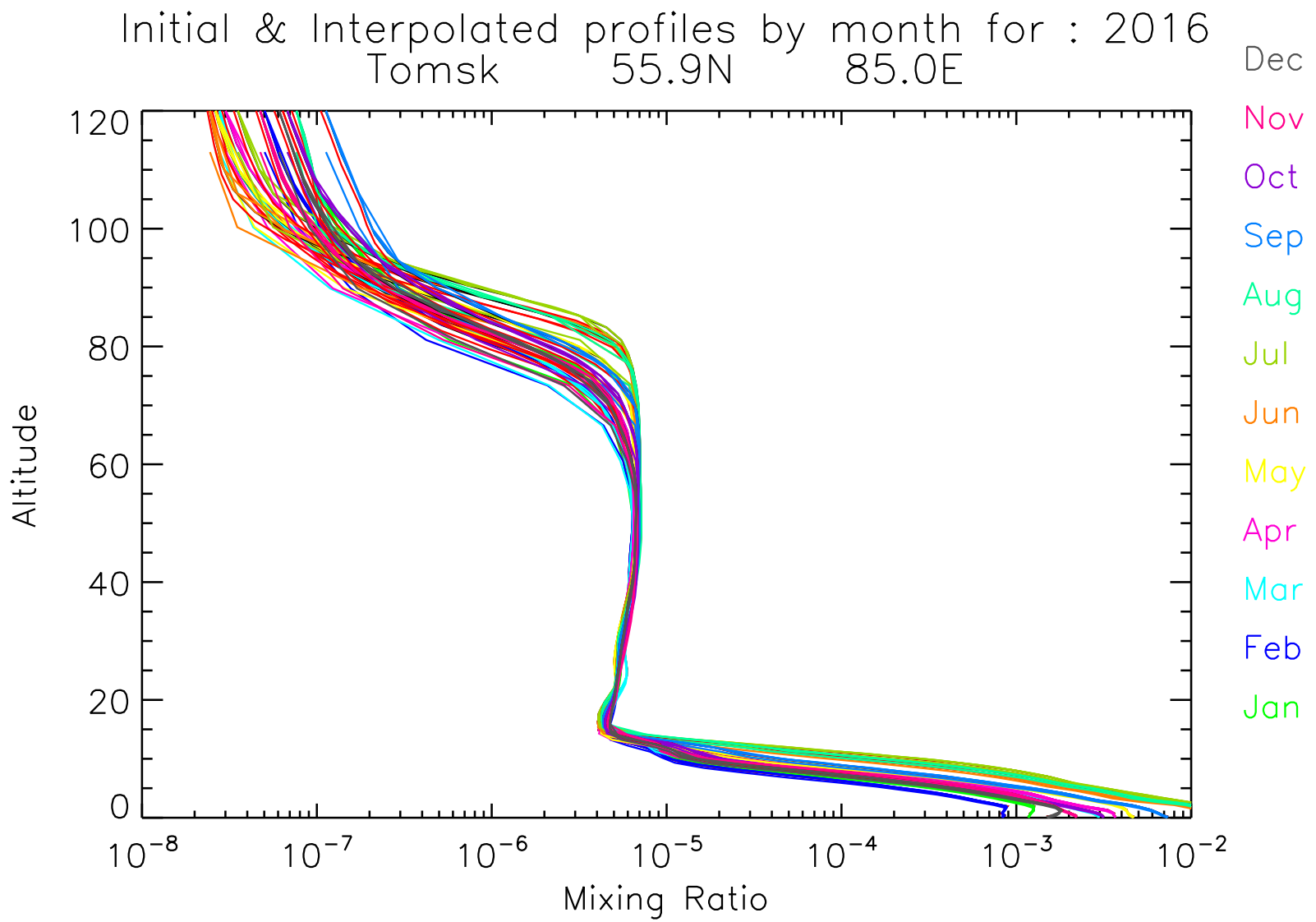
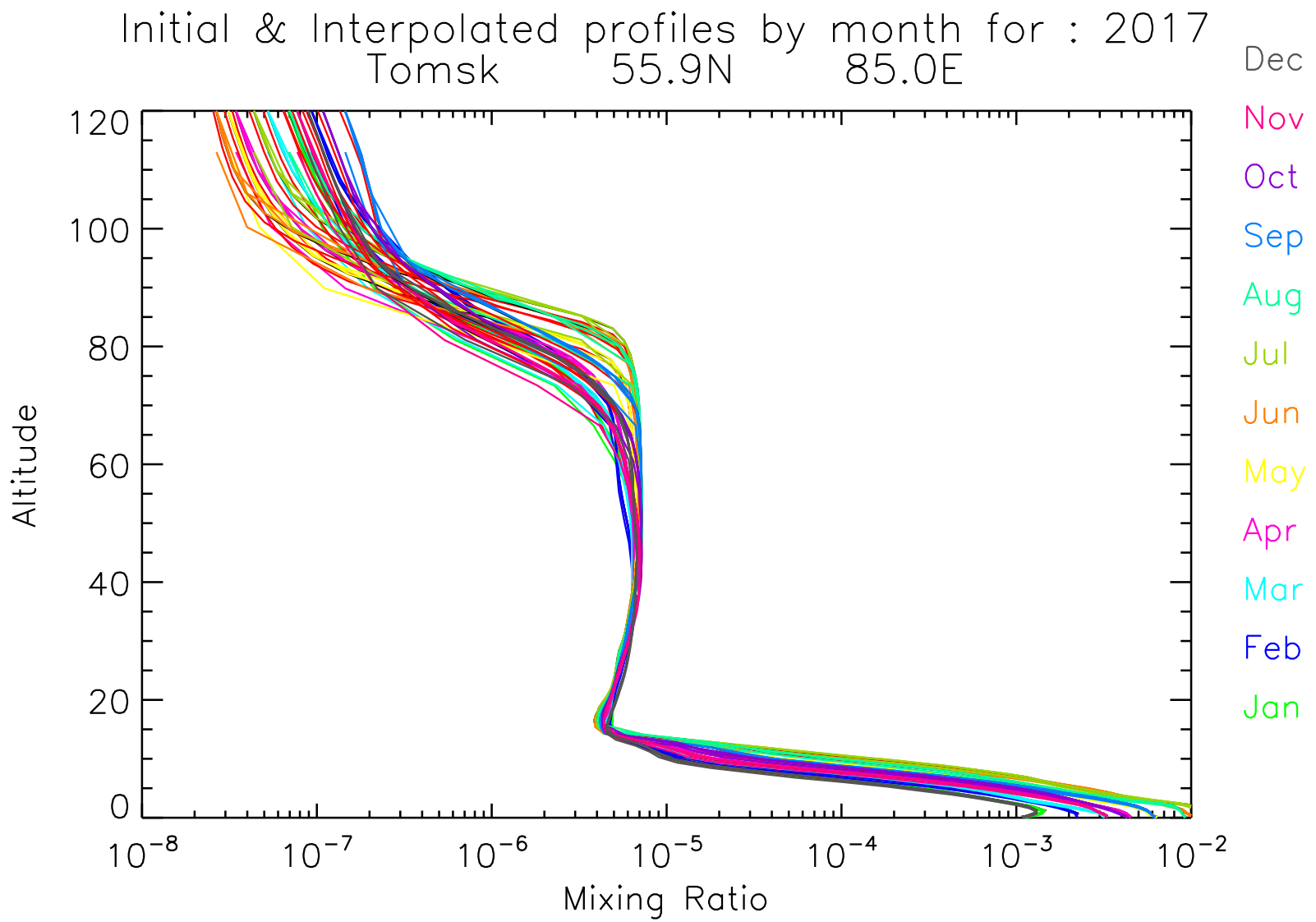
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

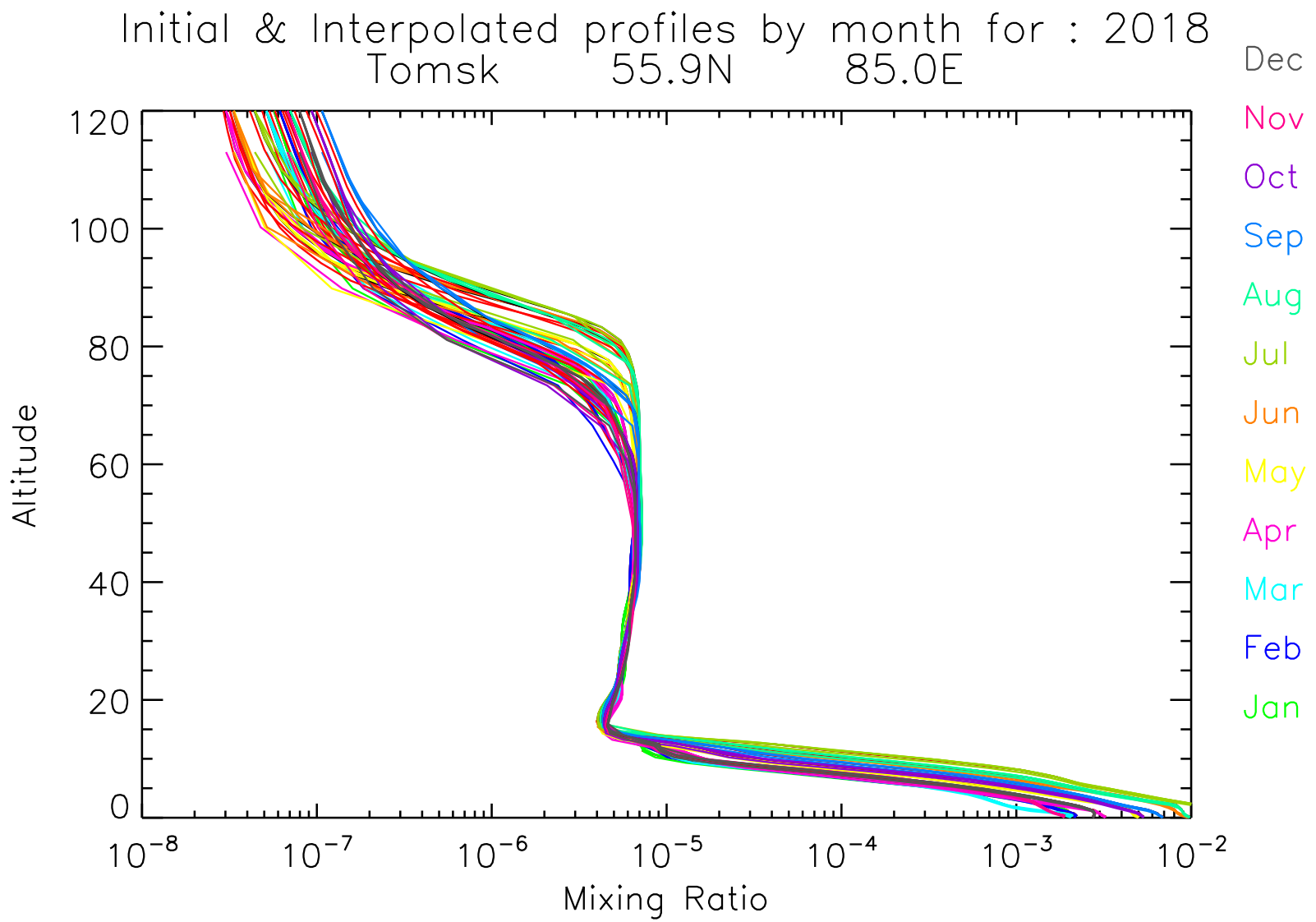

Initial & Interpolated profiles by month for : 2013
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

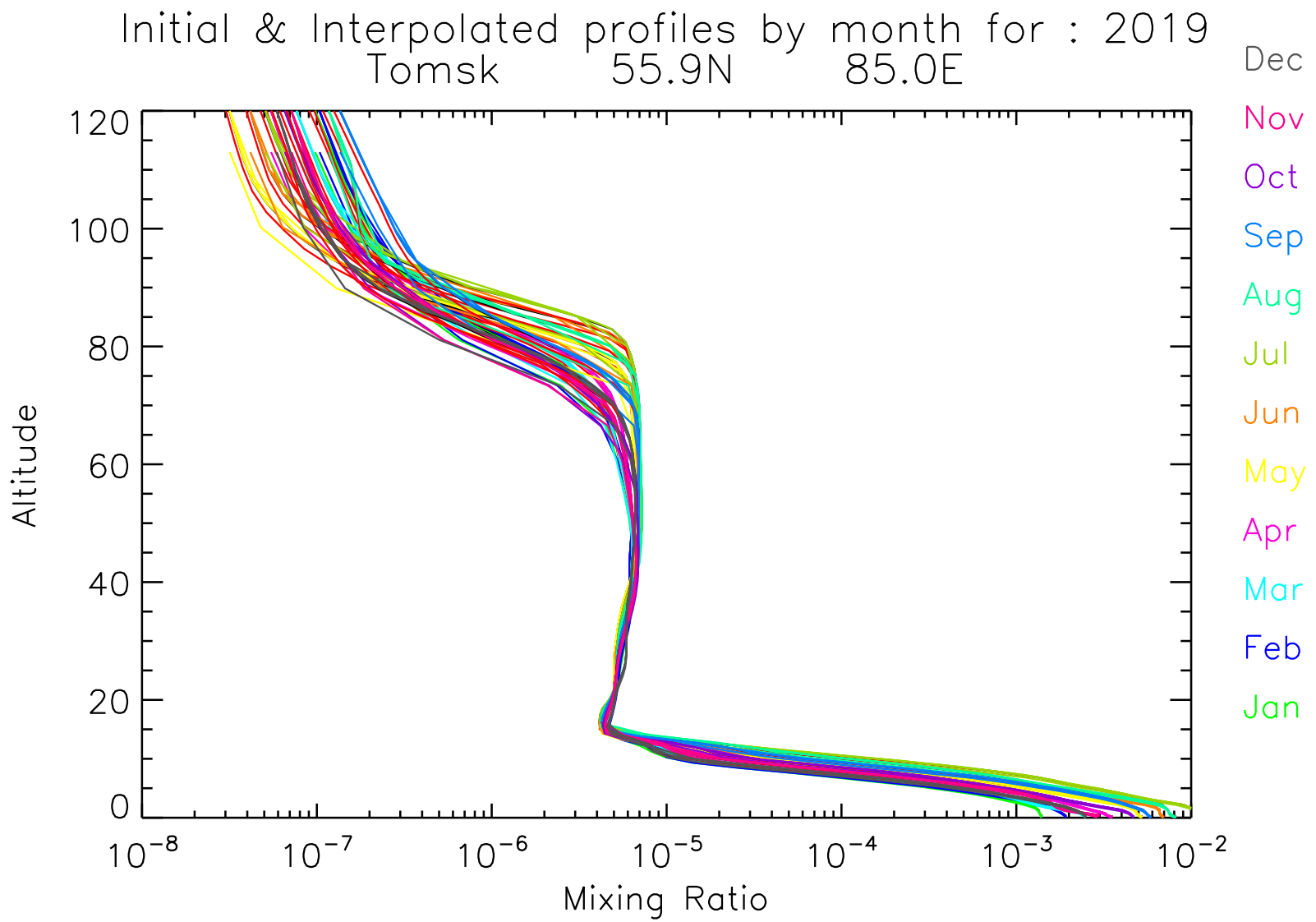

Initial & Interpolated profiles by month for : 2014
Tomsk 55.9N 85.0E
Dec
Nov
Jan
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio

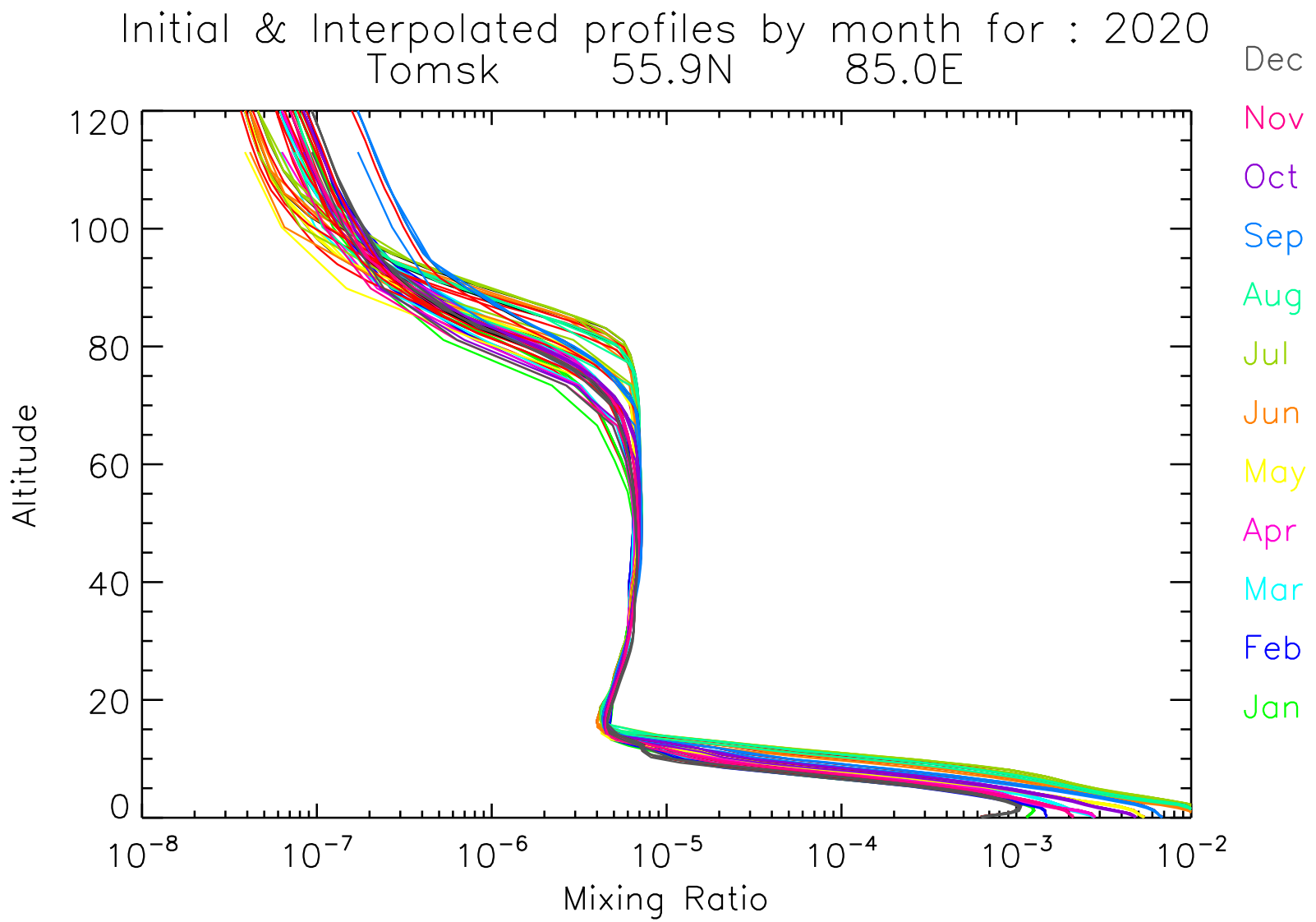

Initial & Interpolated profiles by month for : 2015
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

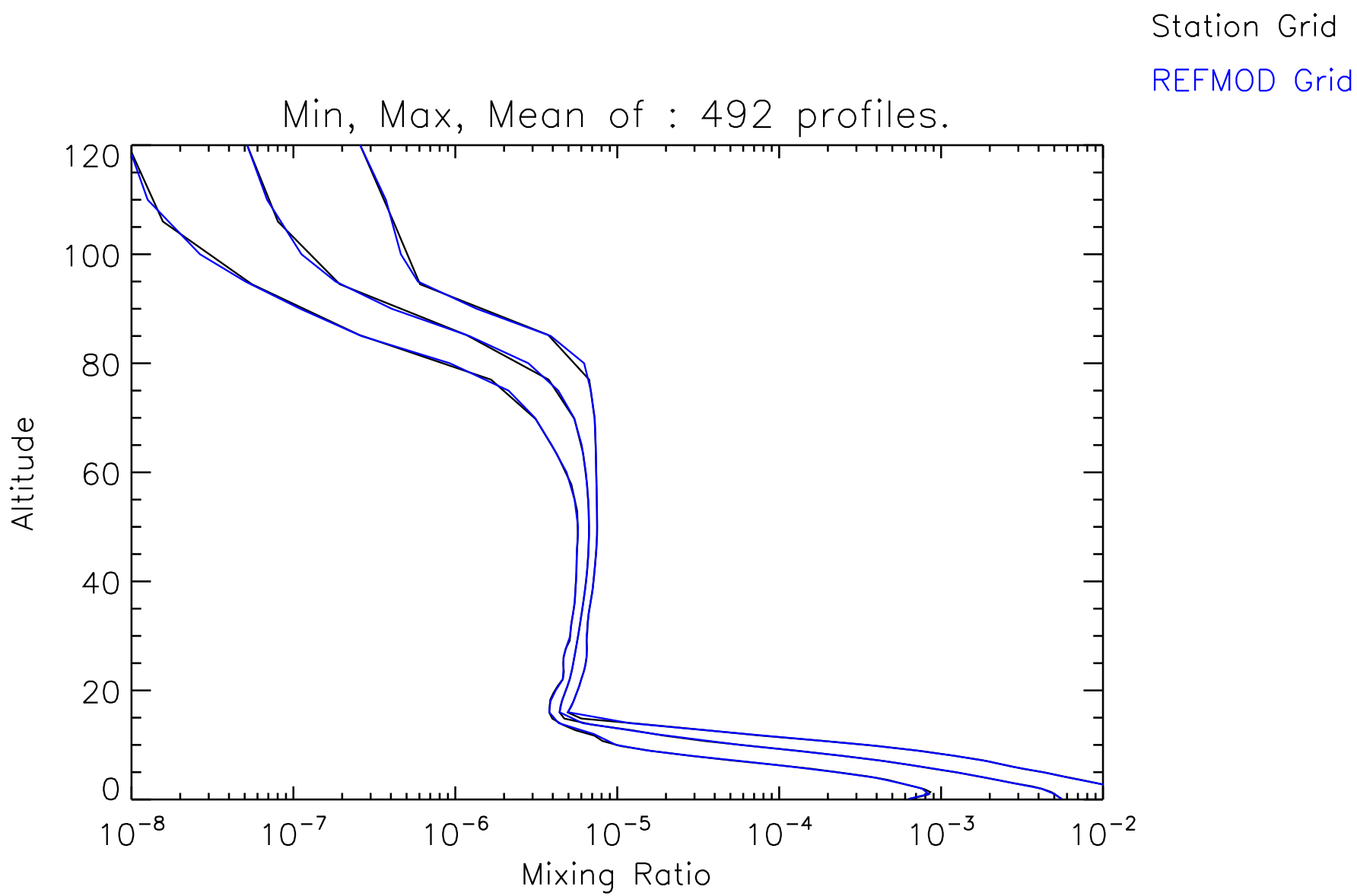

Initial & Interpolated profiles by month for : 2016
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

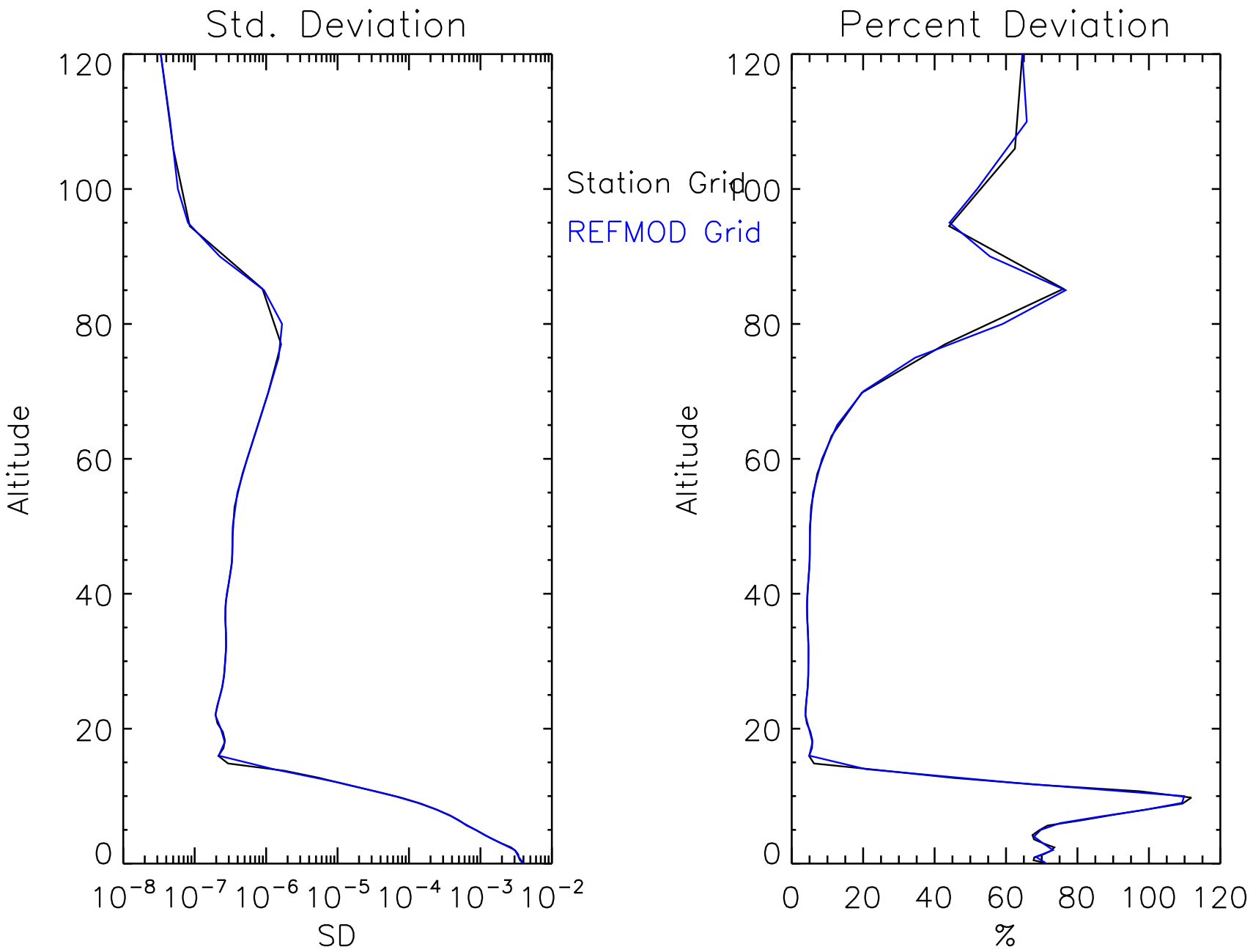

Initial & Interpolated profiles by month for : 2017
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

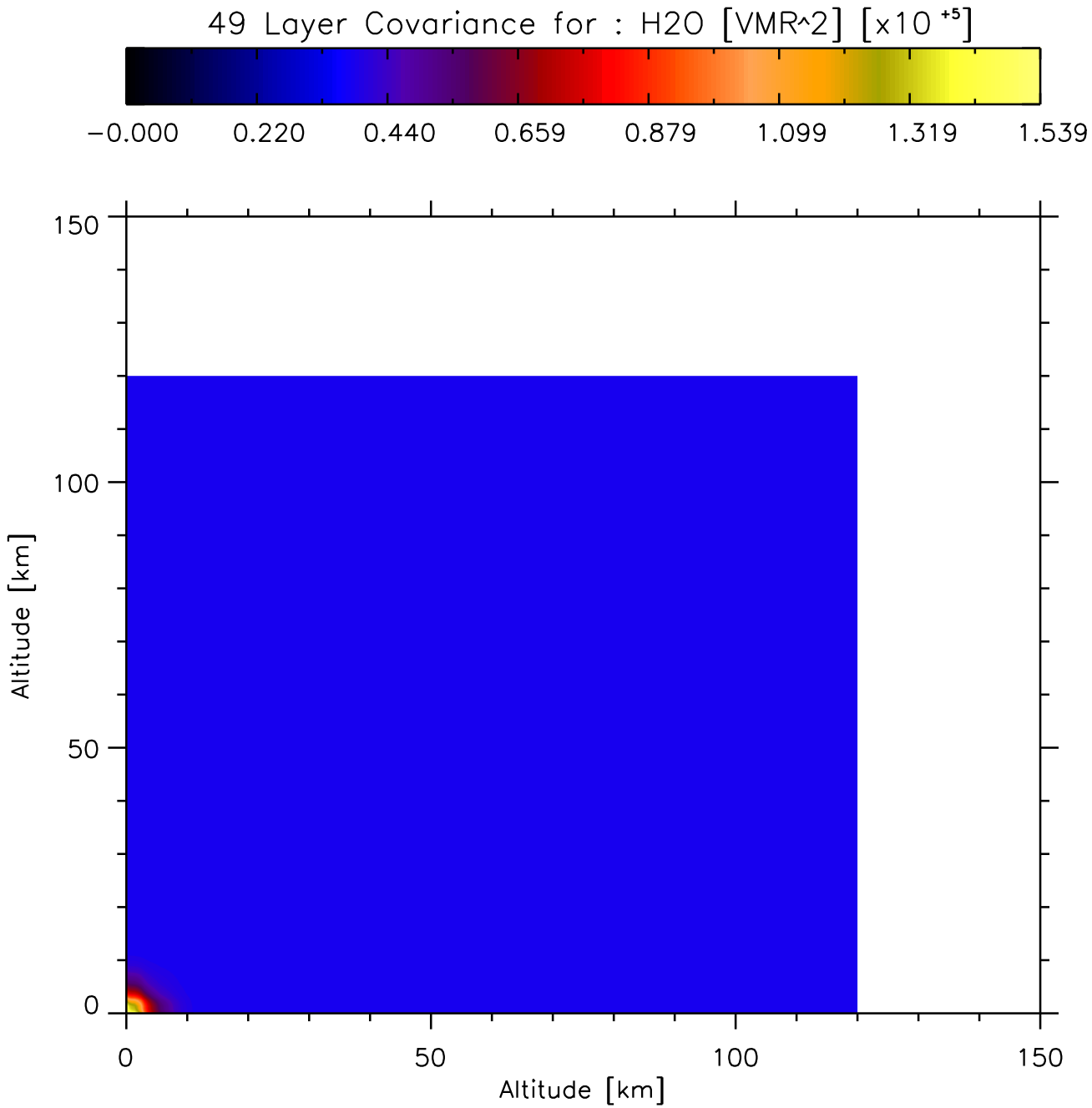

Initial & Interpolated profiles by month for : 2018
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

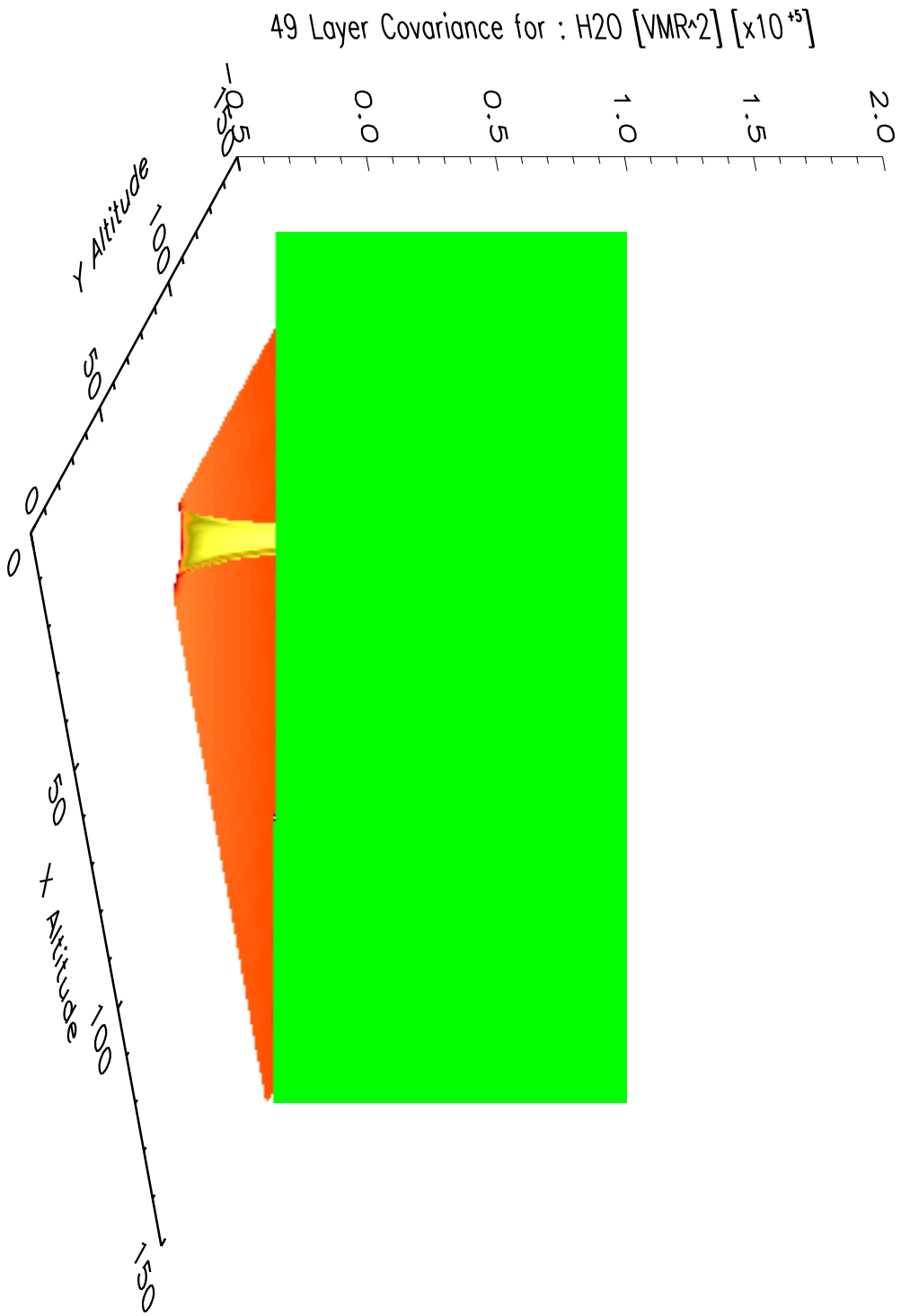

Initial & Interpolated profiles by month for : 2019
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

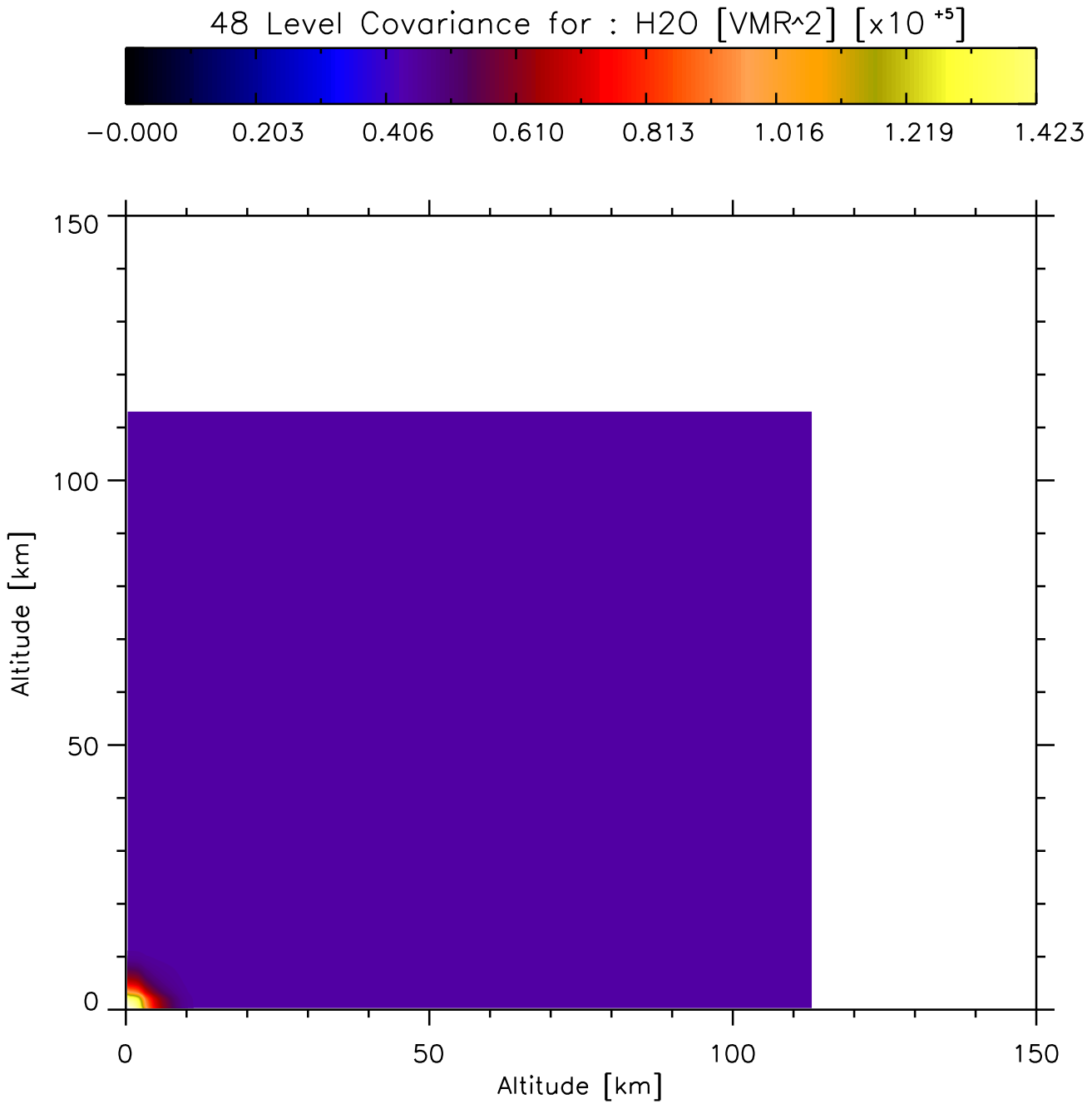

Initial & Interpolated profiles by month for : 2020
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2}
SD
0 20 40 60 80 100 120
%


49 Layer Covariance for : H2O [VMR^2] [x10 +5]
−0.000
0.220
0.440
0.659
0.879
1.099
1.319
1.539
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : H2O [VMR^2] [x10^-5]
-0.5
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
50
100
0
50
100
X Altitude


48 Level Covariance for : H2O [VMR^2] [x10 +5]
−0.000
0.203
0.406
0.610
0.813
1.016
1.219
1.423
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

48 Level Covariance for : H2O [VMR^2] [x10^-5]
-0.5
0.0
0.5
1.0
1.5
Y Altitude
0
50
100
0
50
100
X Altitude