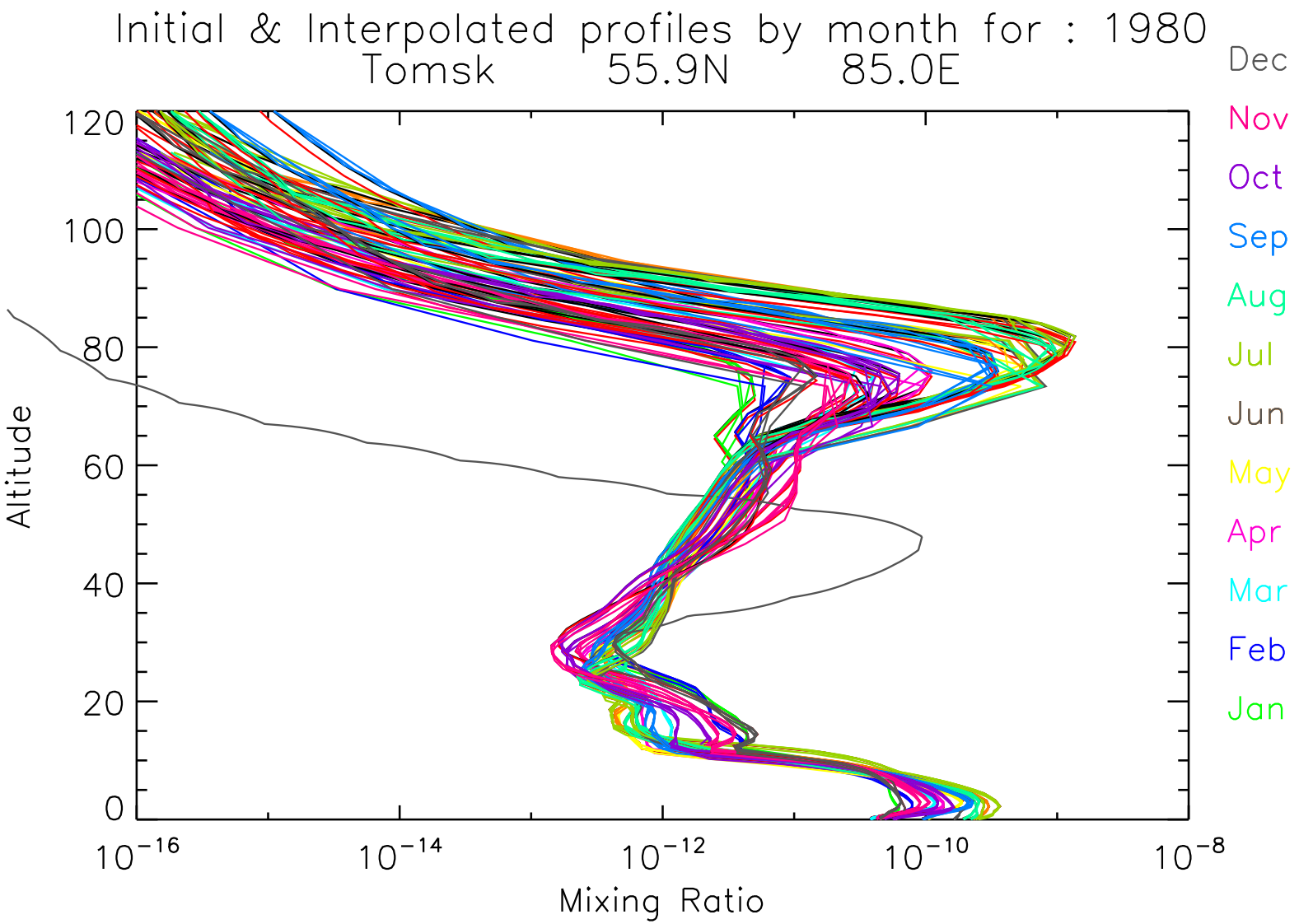
Initial & Interpolated profiles by month for : 1980
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Altitude
120
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Mixing Ratio
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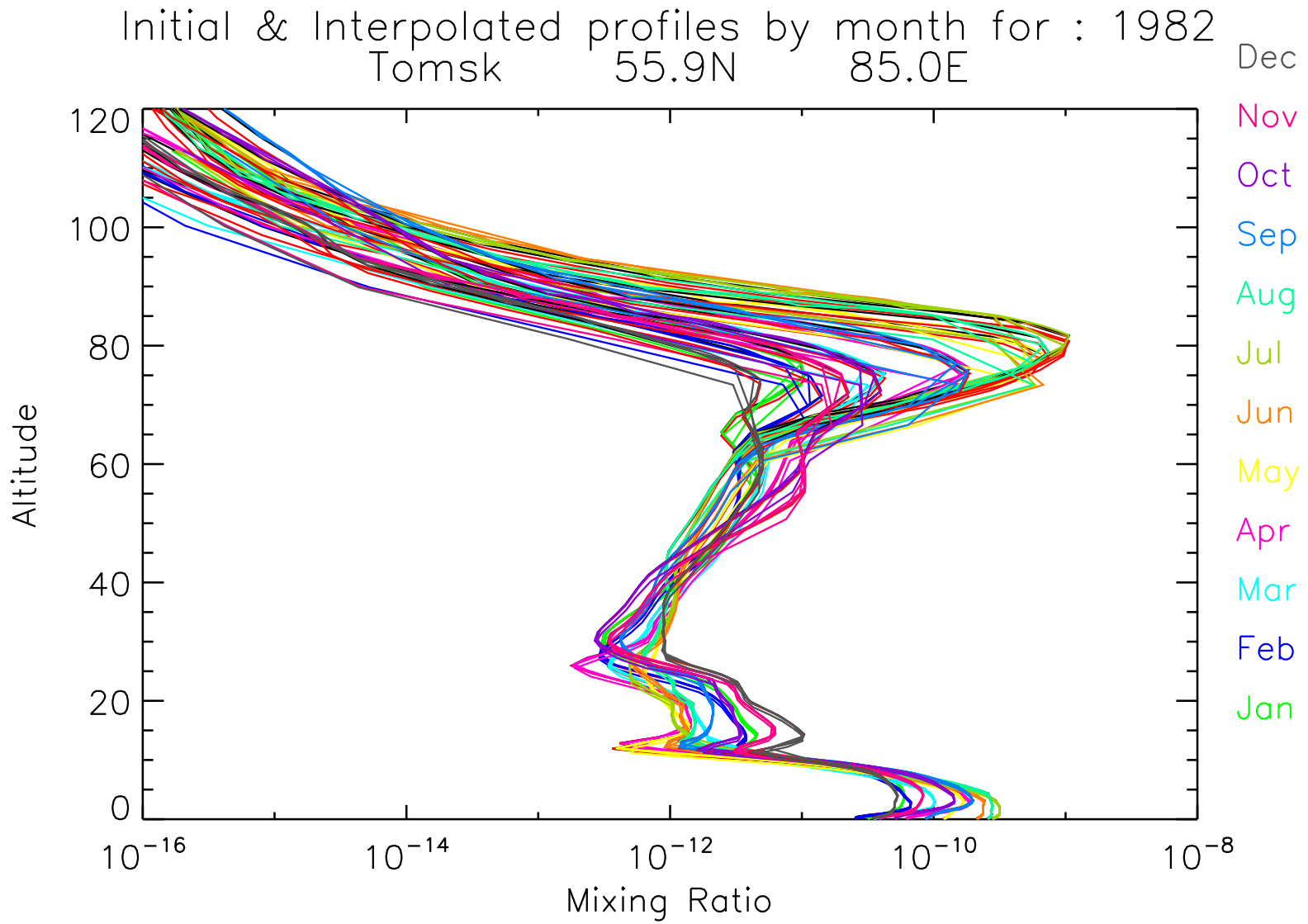
Initial & Interpolated profiles by month for : 1982
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Altitude
120
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Mixing Ratio
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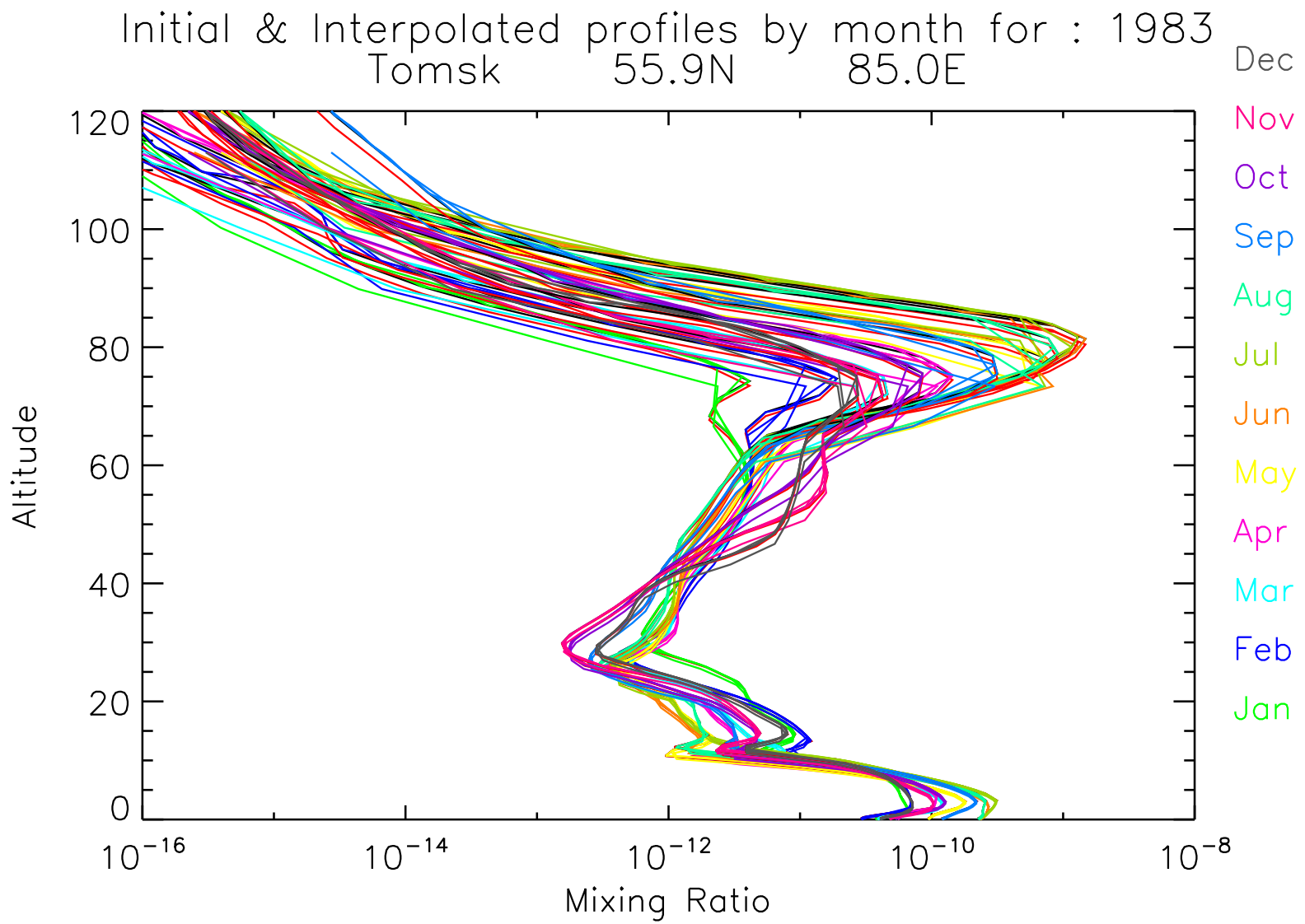
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Altitude
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Mixing Ratio
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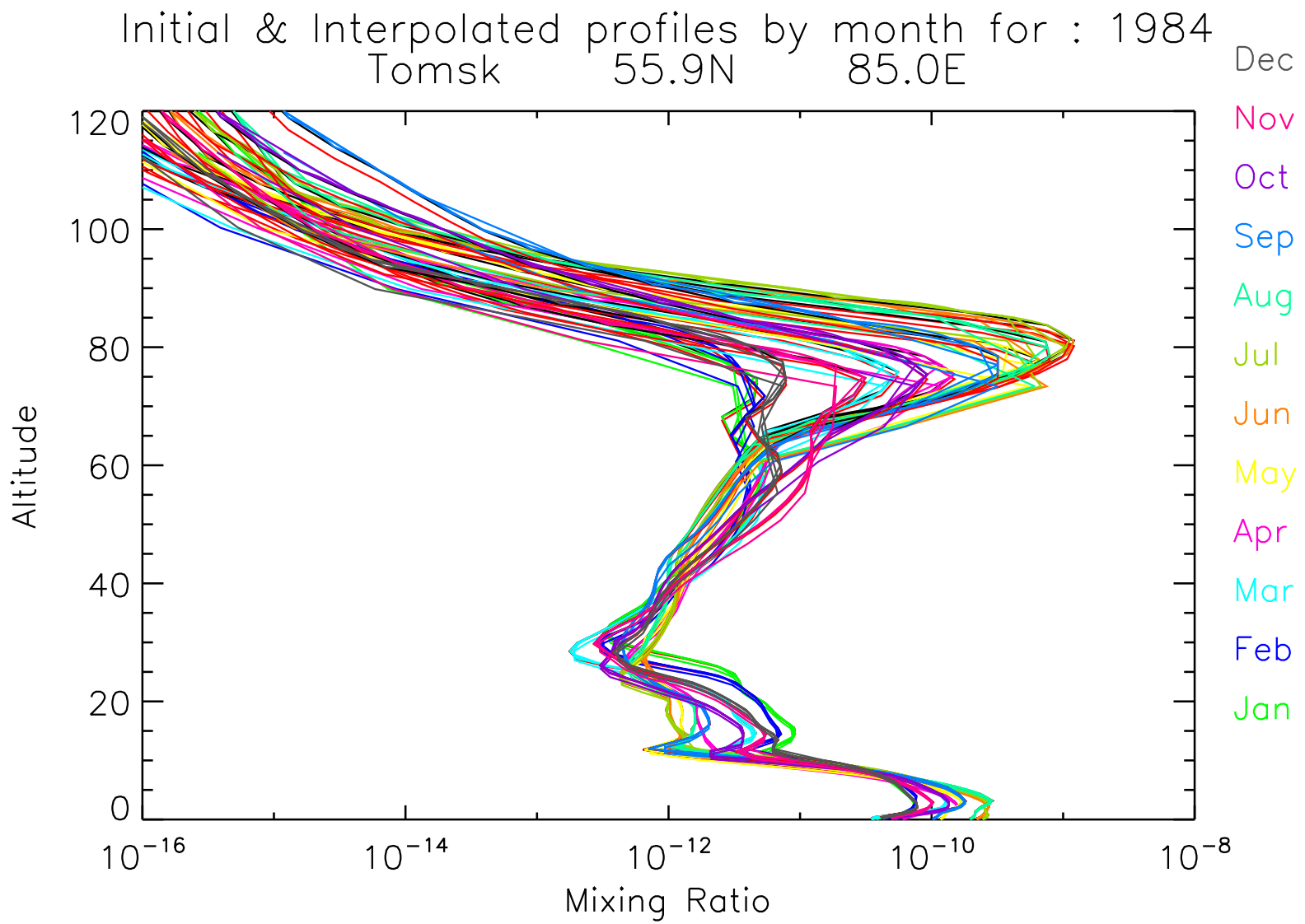
Initial & Interpolated profiles by month for : 1984
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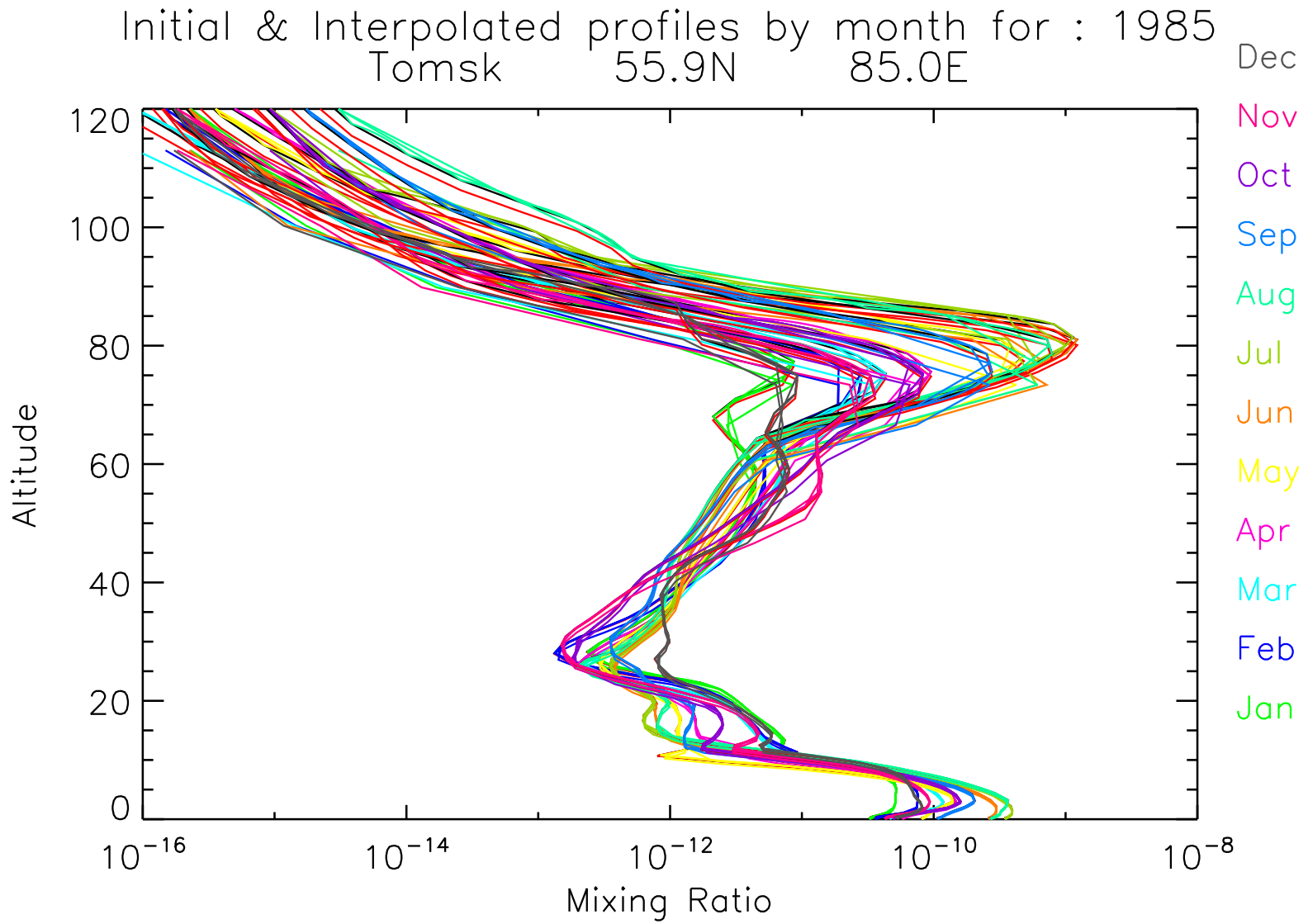
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
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Altitude
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Mixing Ratio
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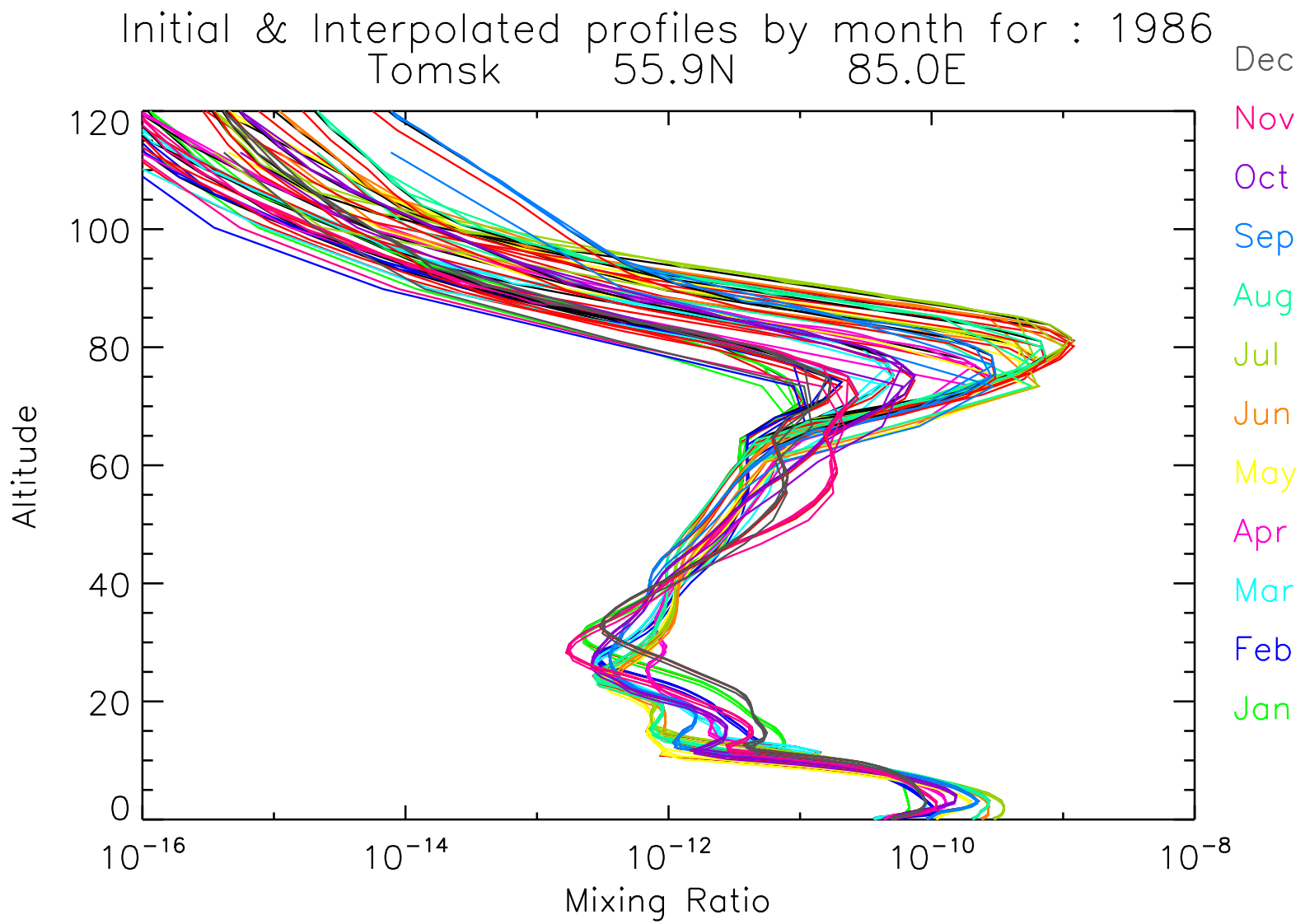
Initial & Interpolated profiles by month for : 1986
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Altitude
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Mixing Ratio
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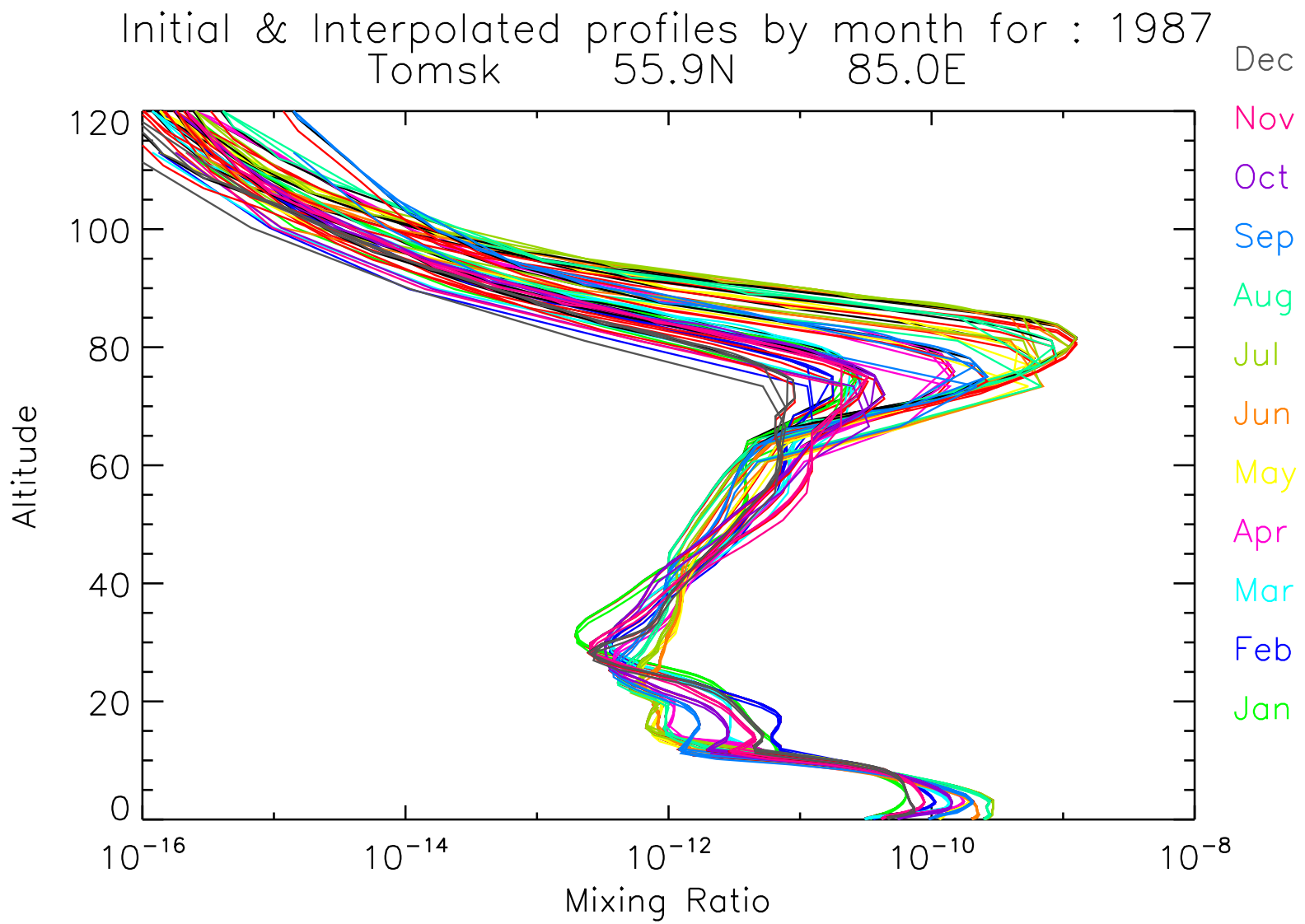
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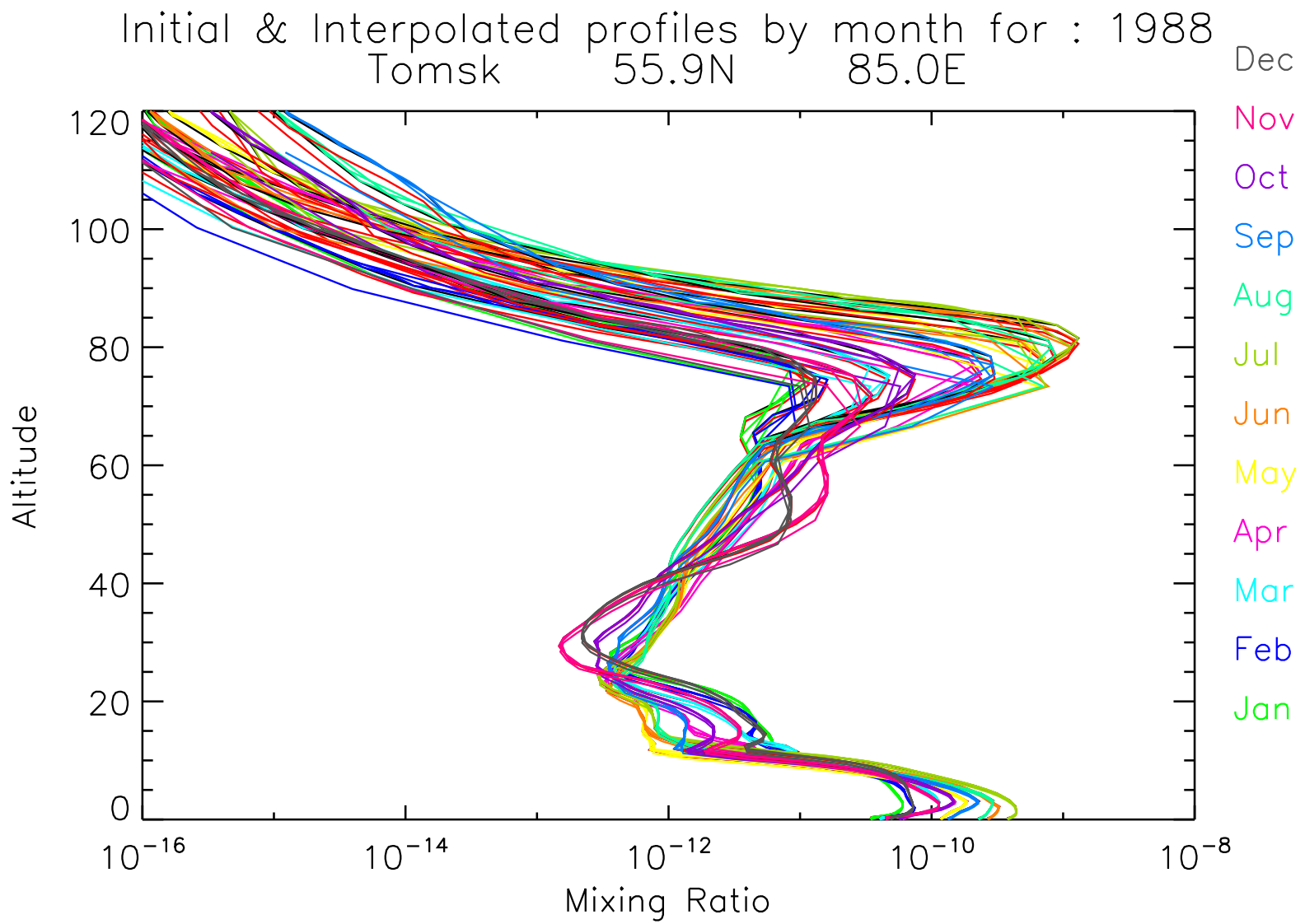
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
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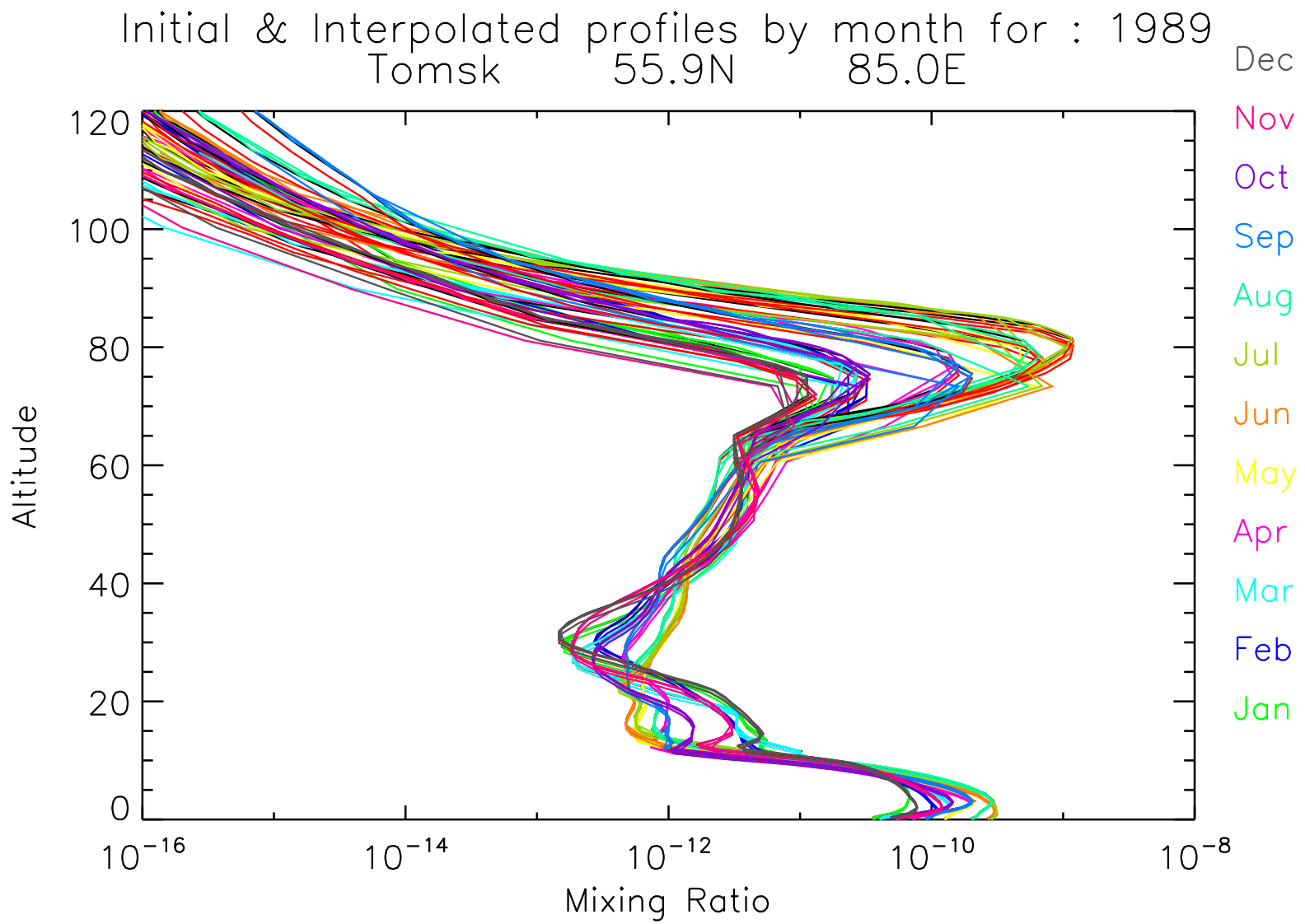
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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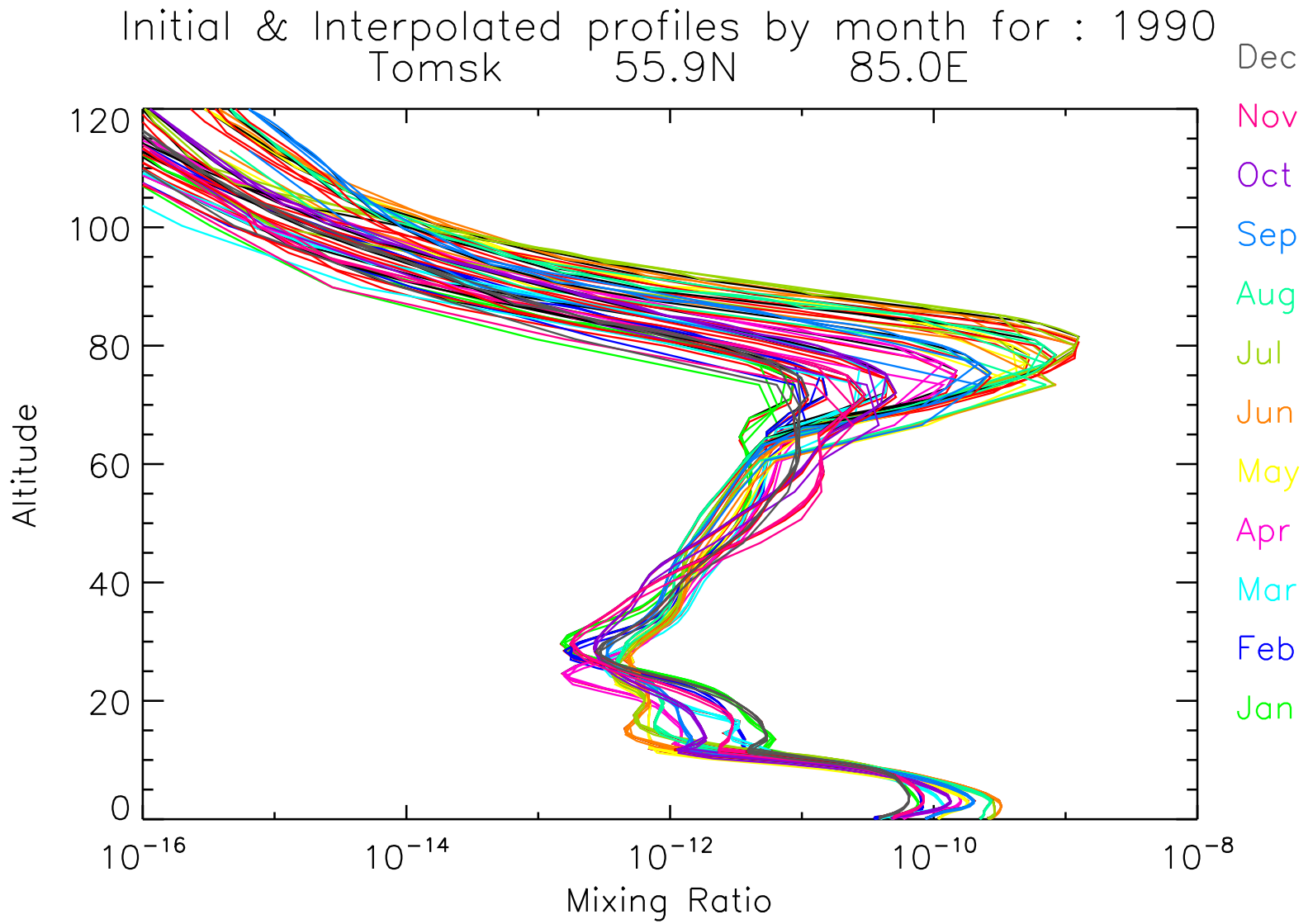
Initial & Interpolated profiles by month for : 1990
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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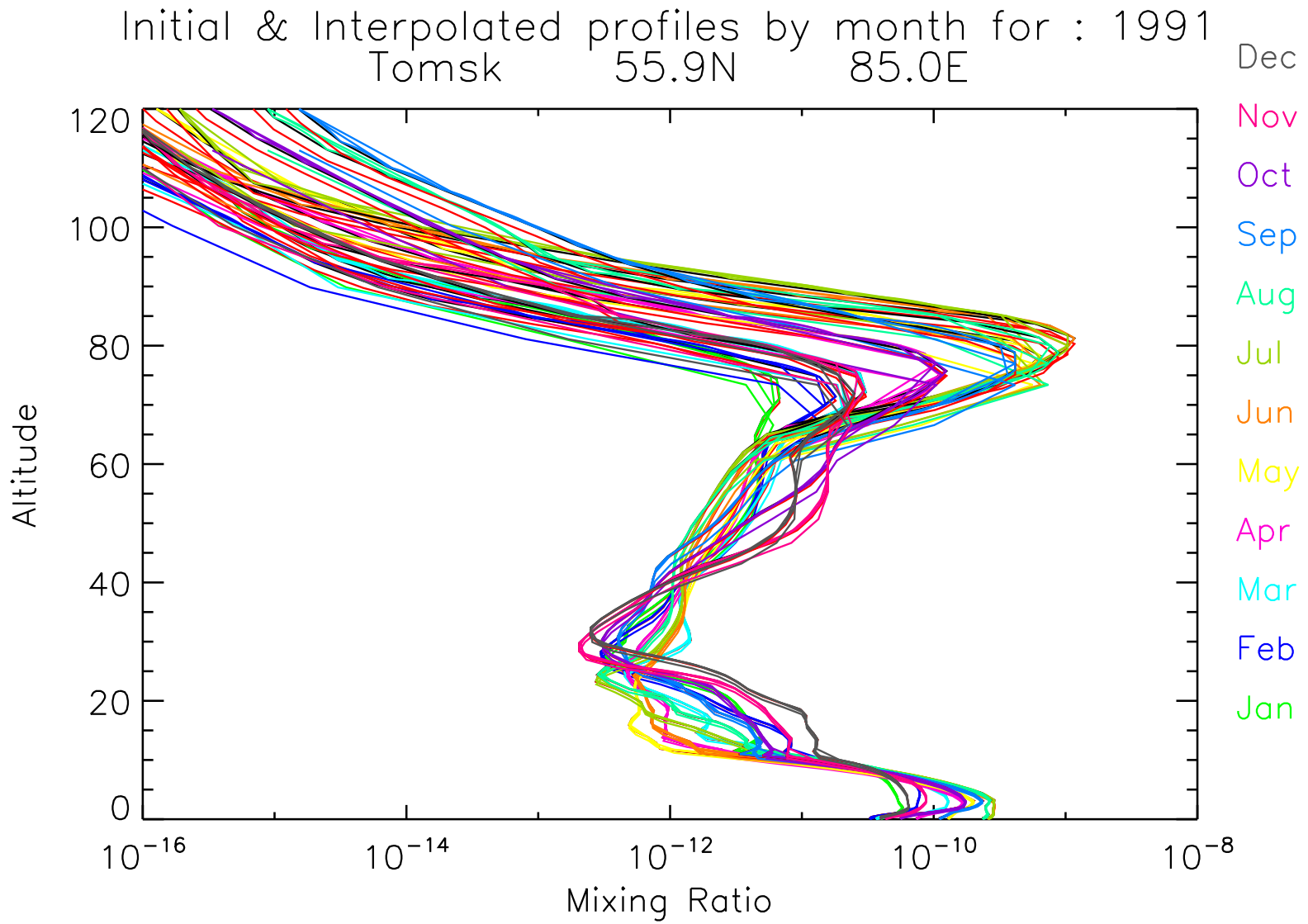
Initial & Interpolated profiles by month for : 1991
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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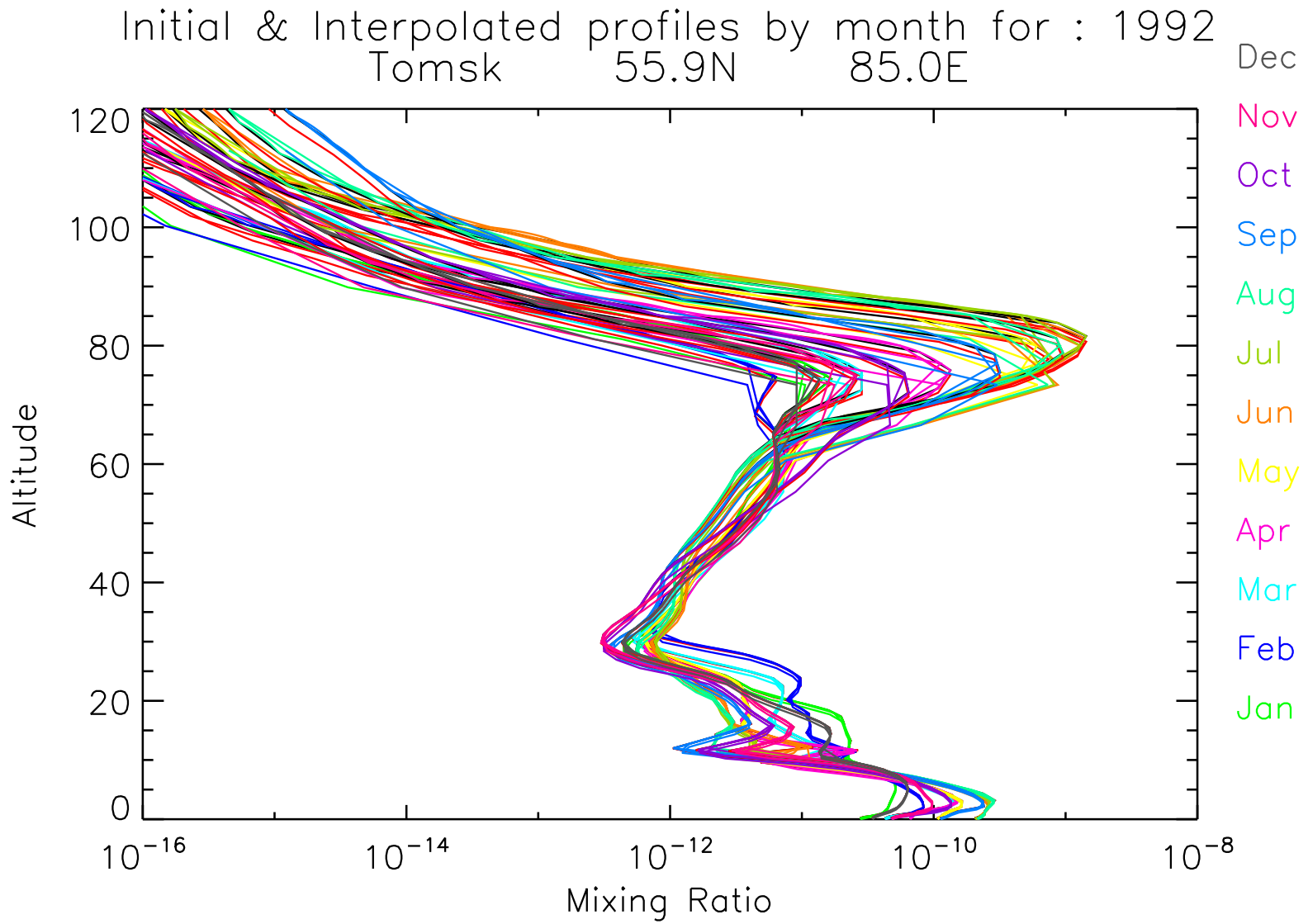
Initial & Interpolated profiles by month for : 1992
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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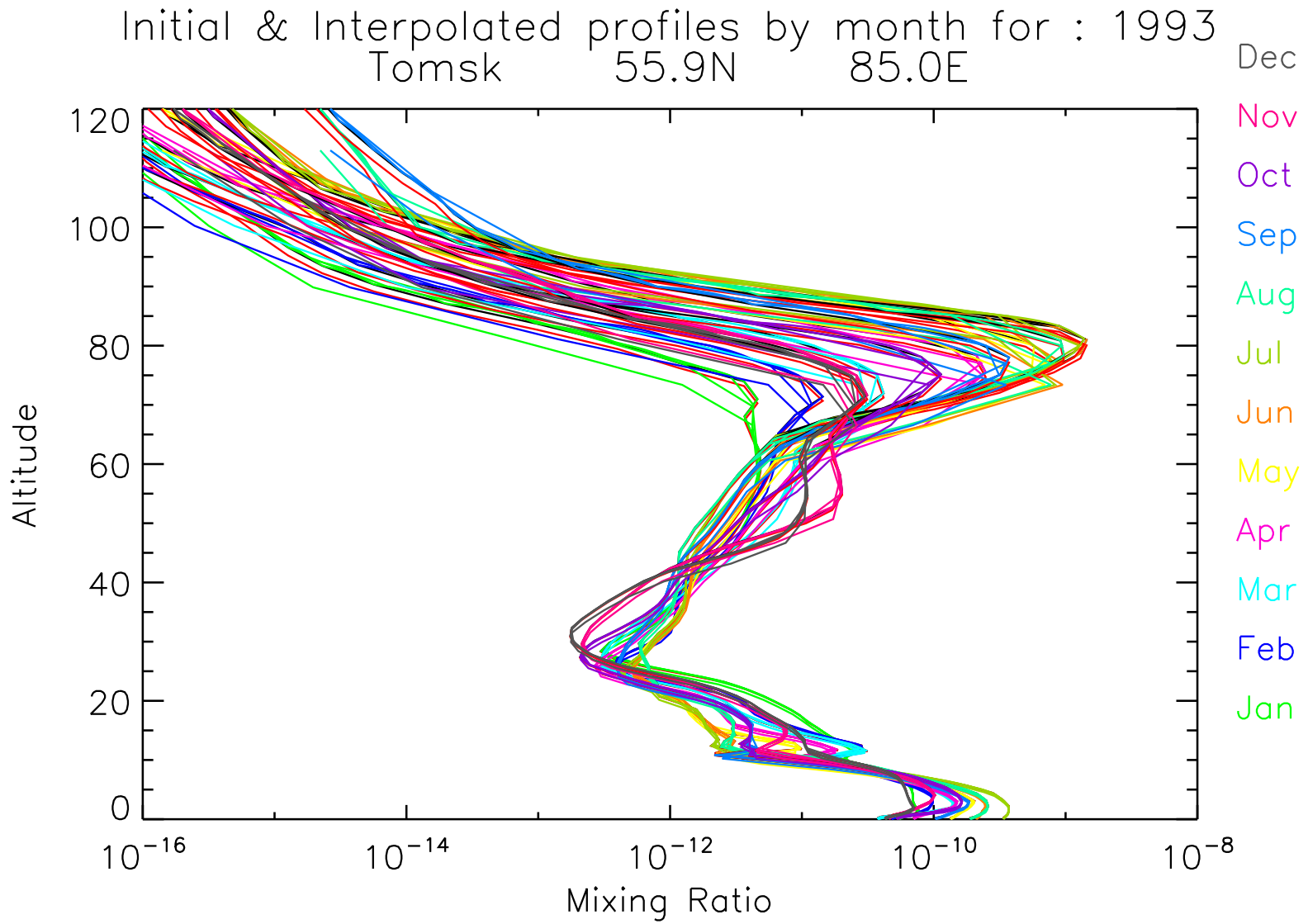
Initial & Interpolated profiles by month for : 1993
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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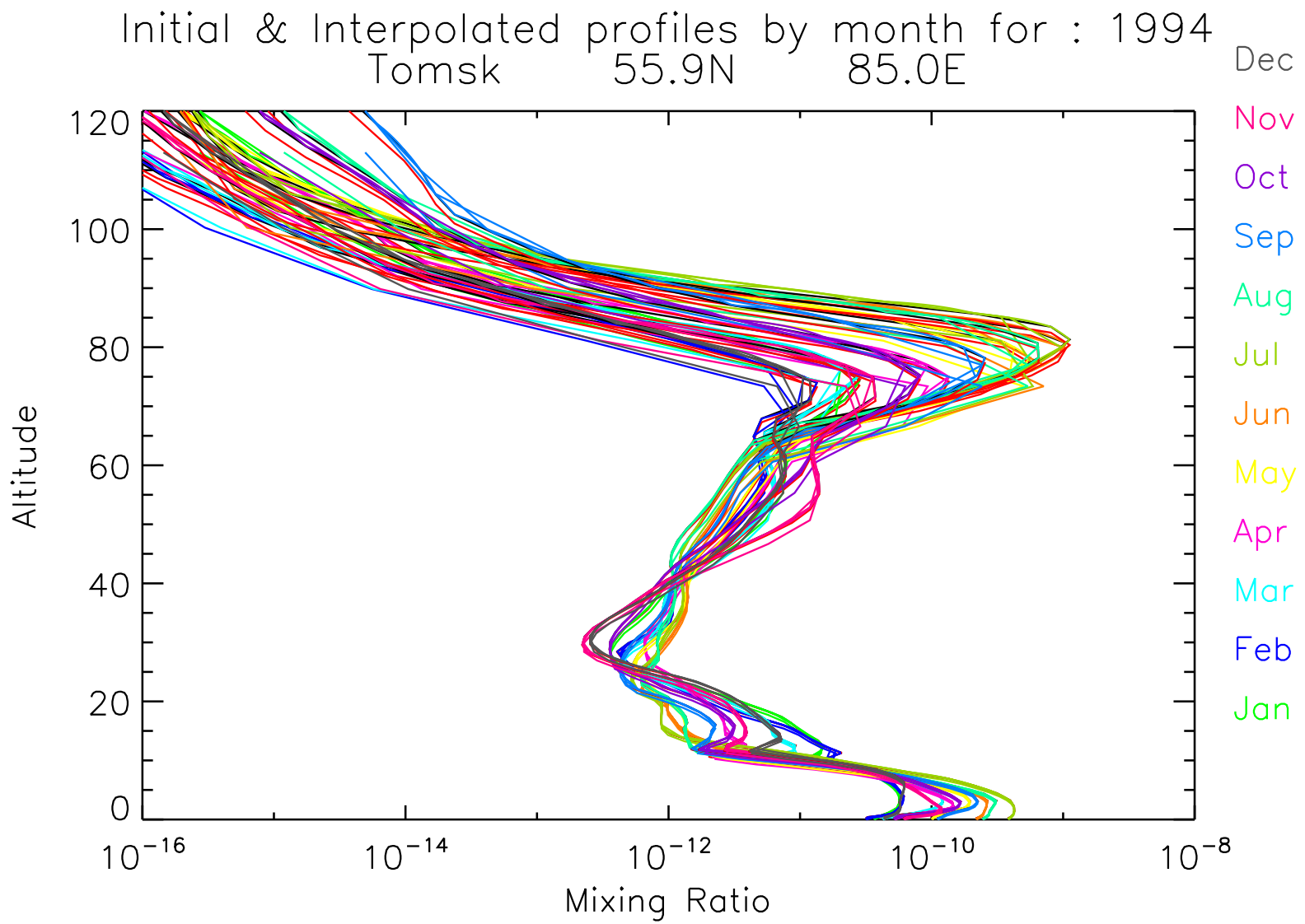
Initial & Interpolated profiles by month for : 1994
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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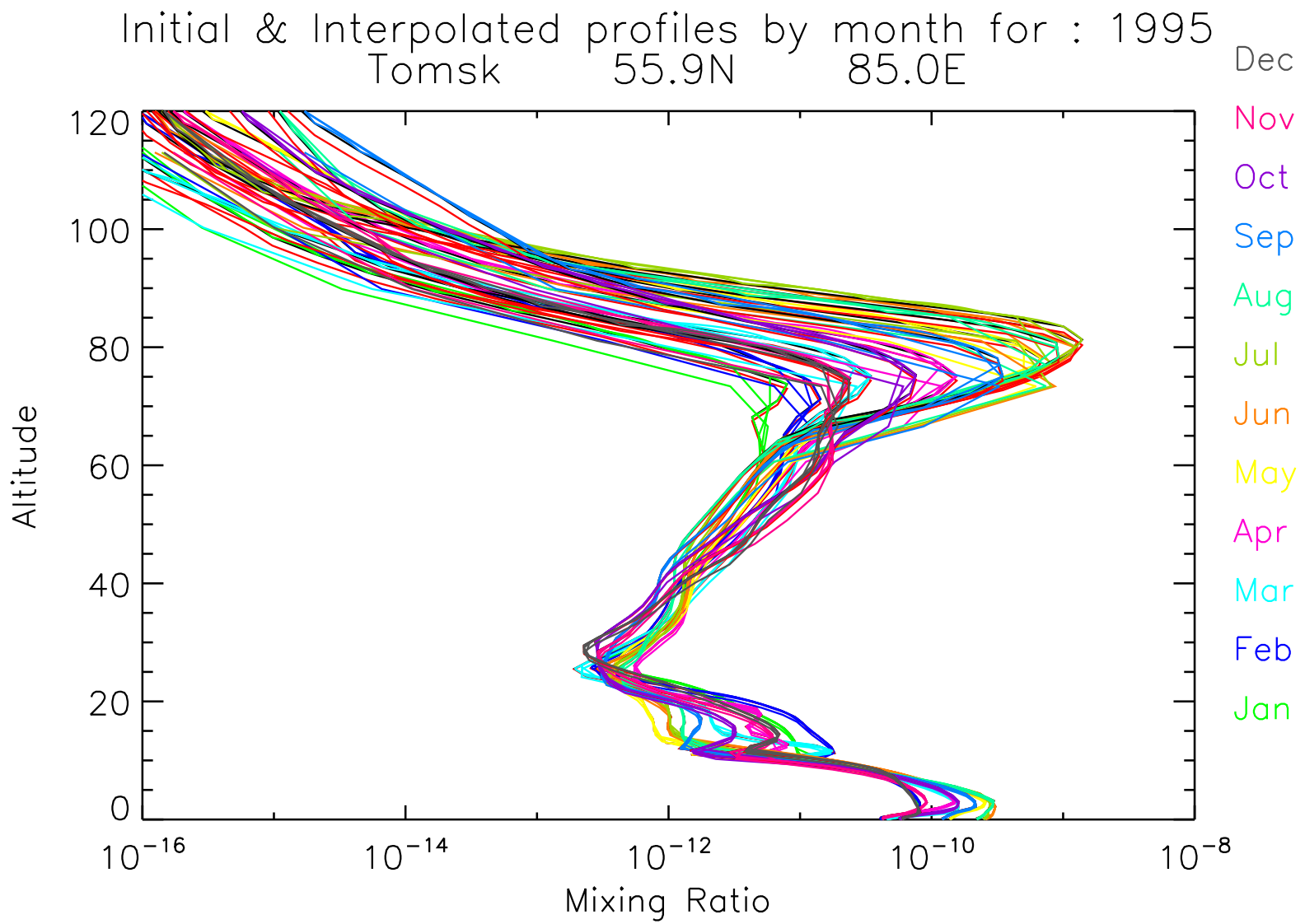
Initial & Interpolated profiles by month for : 1995
Tomsk 55.9N 85.0E
Altitude
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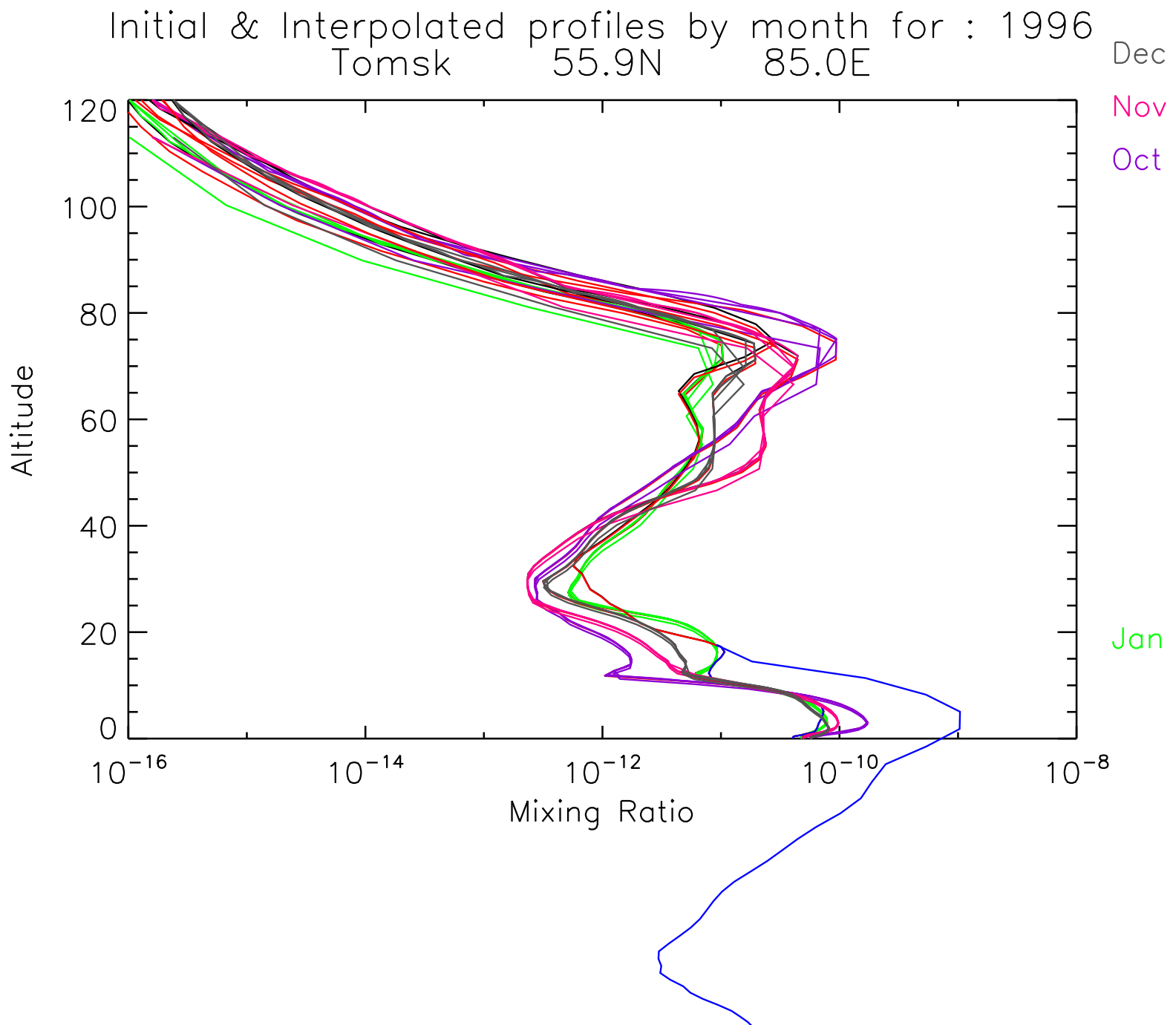
Initial & Interpolated profiles by month for : 1996
Tomsk 55.9N 85.0E
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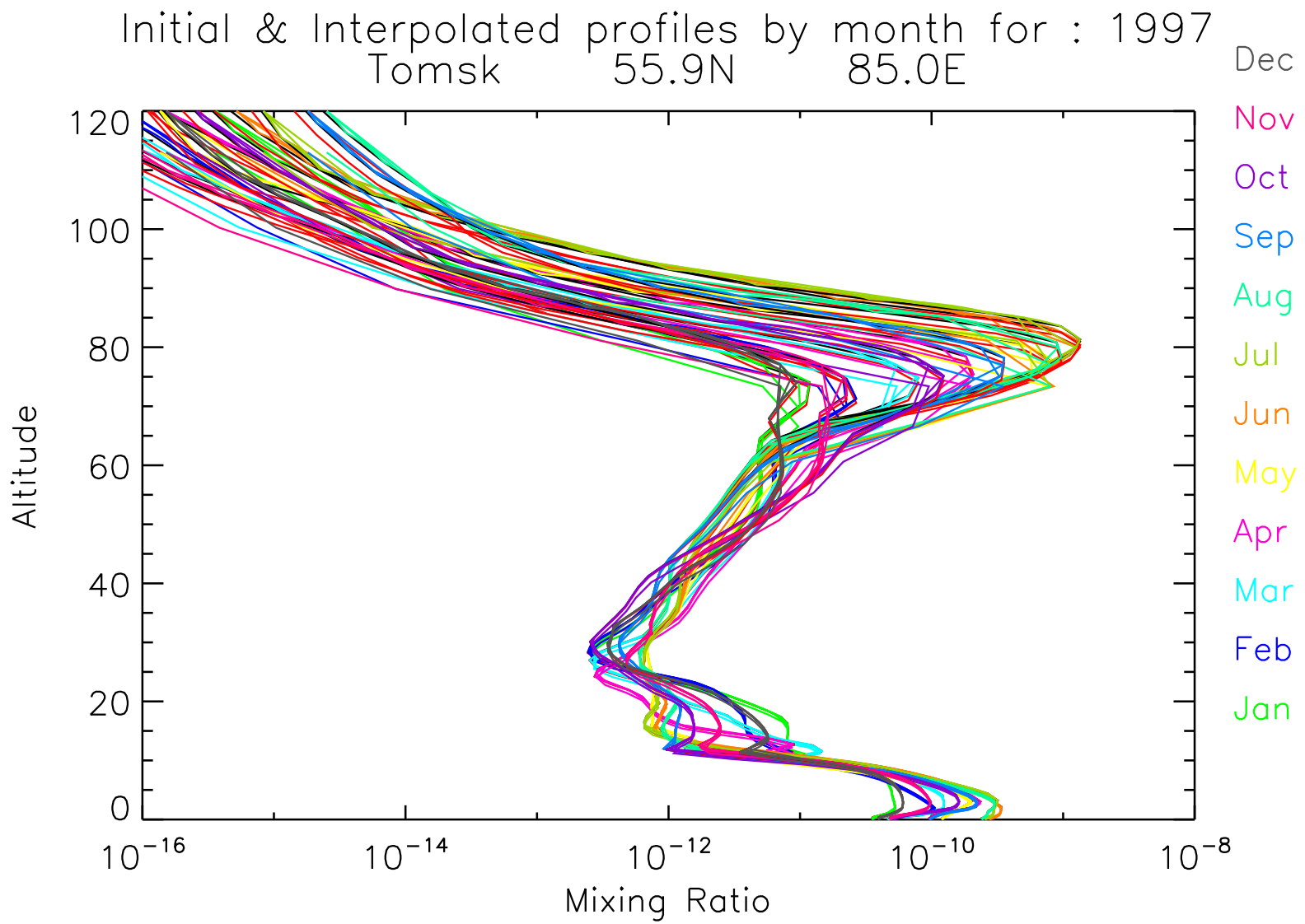
Initial & Interpolated profiles by month for : 1997
Tomsk 55.9N 85.0E
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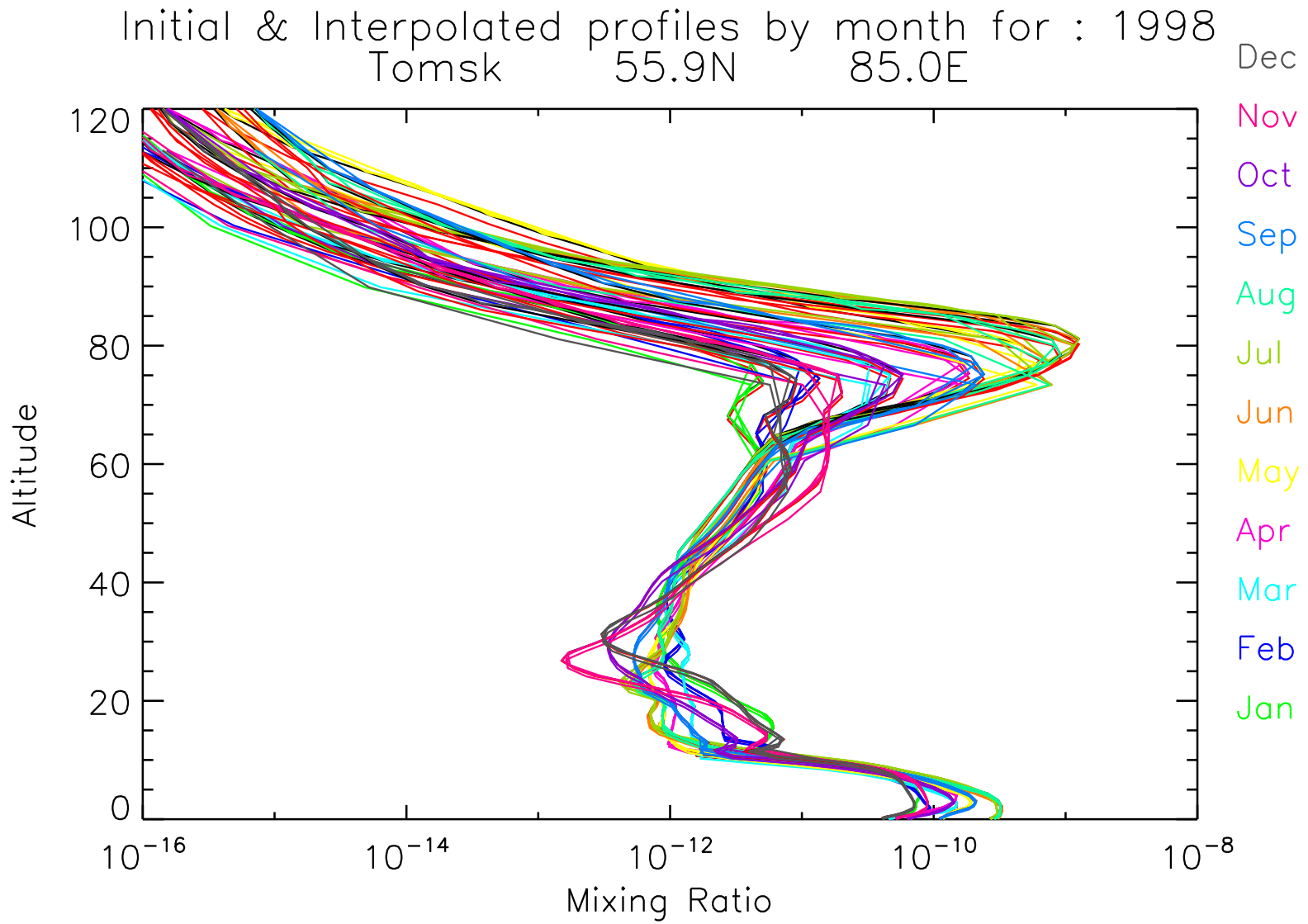
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Tomsk 55.9N 85.0E
Altitude
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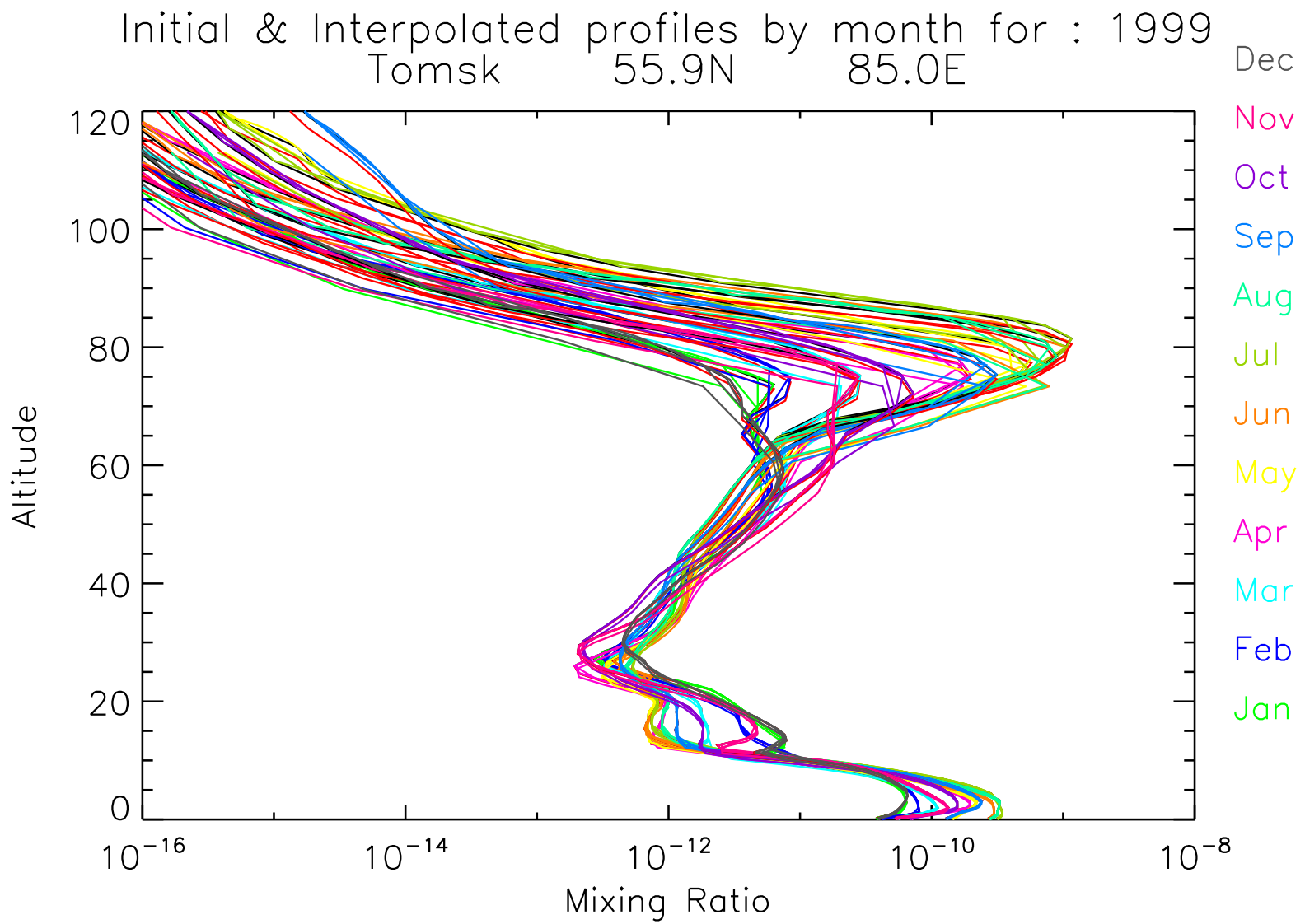
Initial & Interpolated profiles by month for : 1999
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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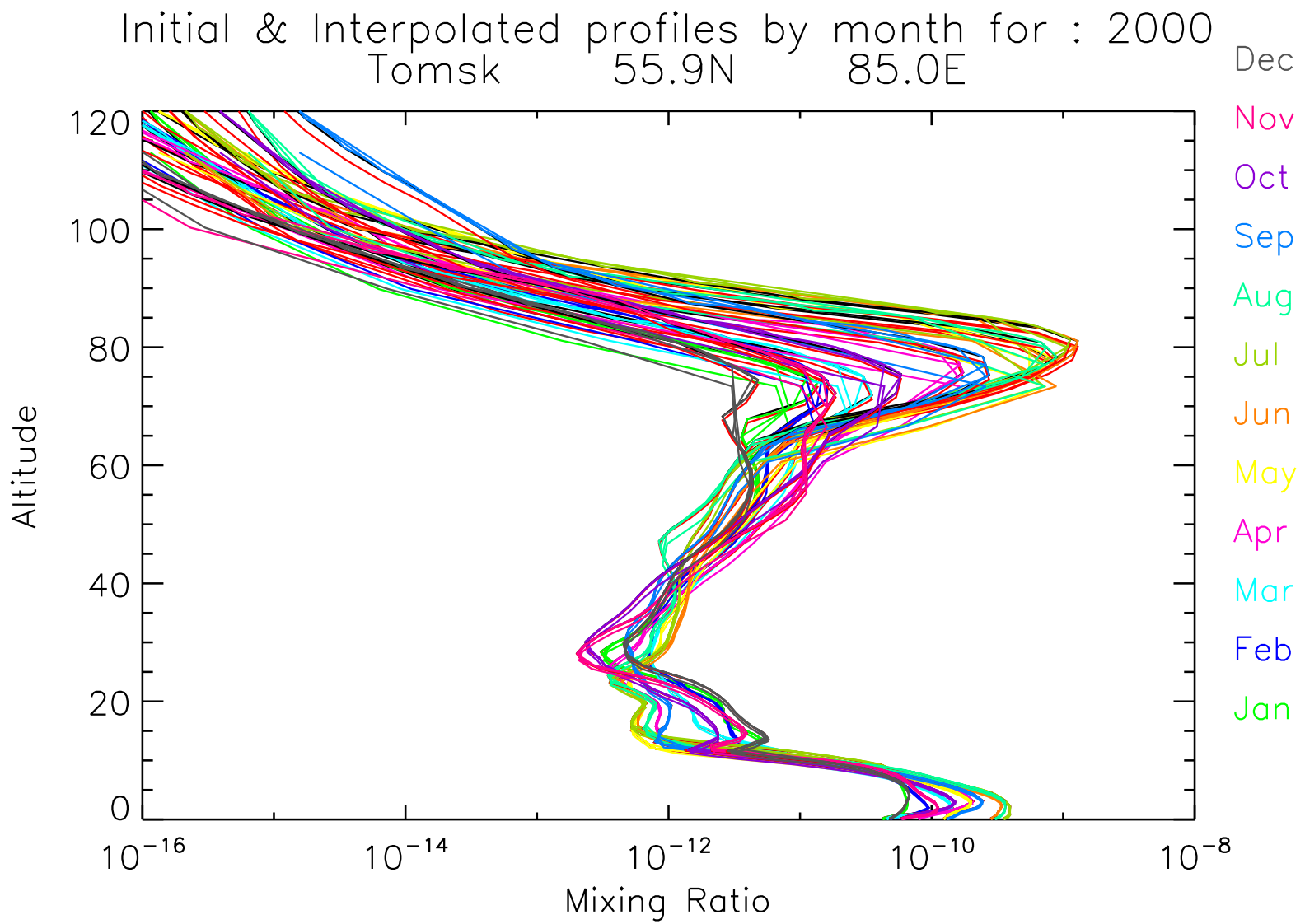
Initial & Interpolated profiles by month for : 2000
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Mixing Ratio
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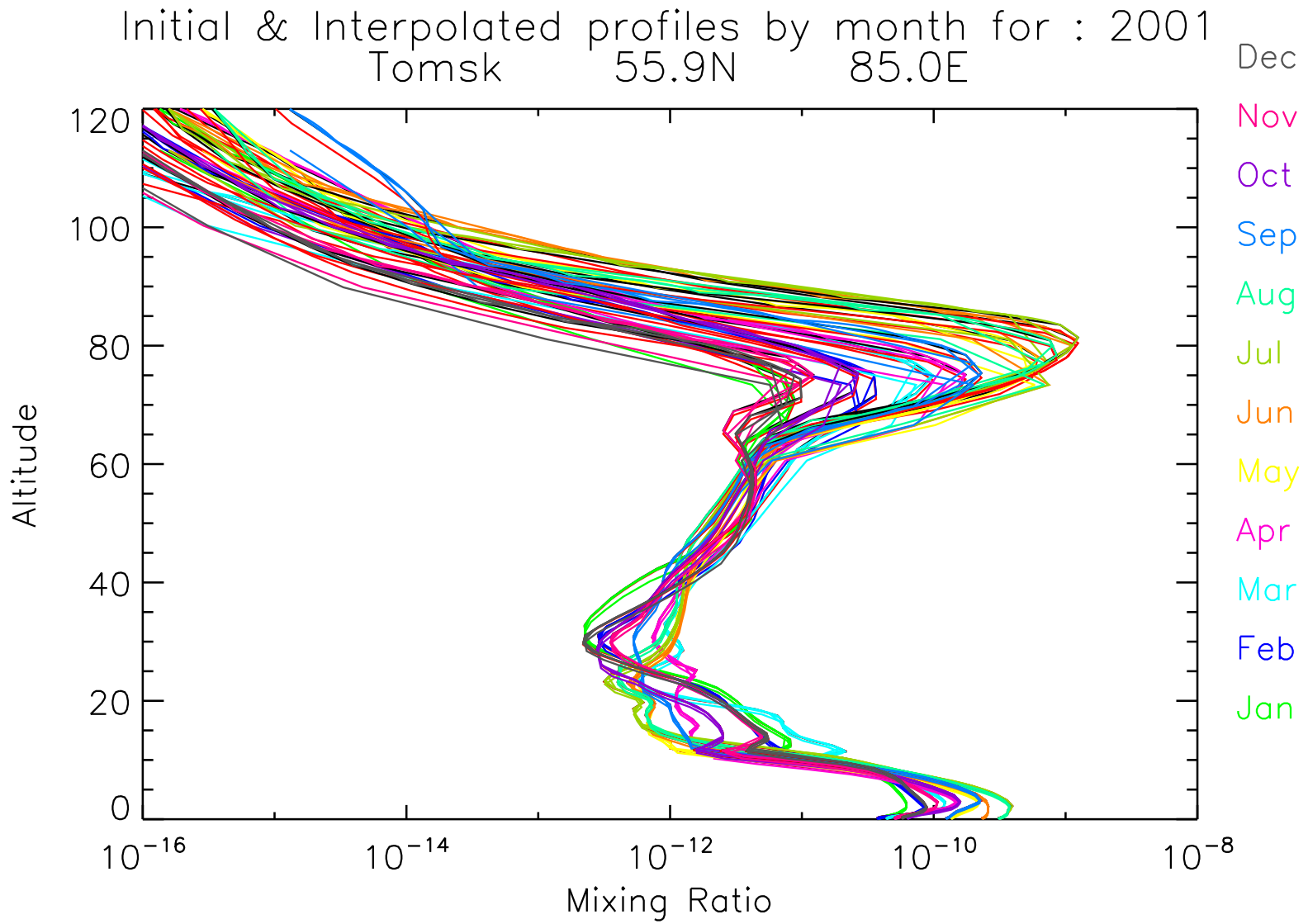
Initial & Interpolated profiles by month for : 2001
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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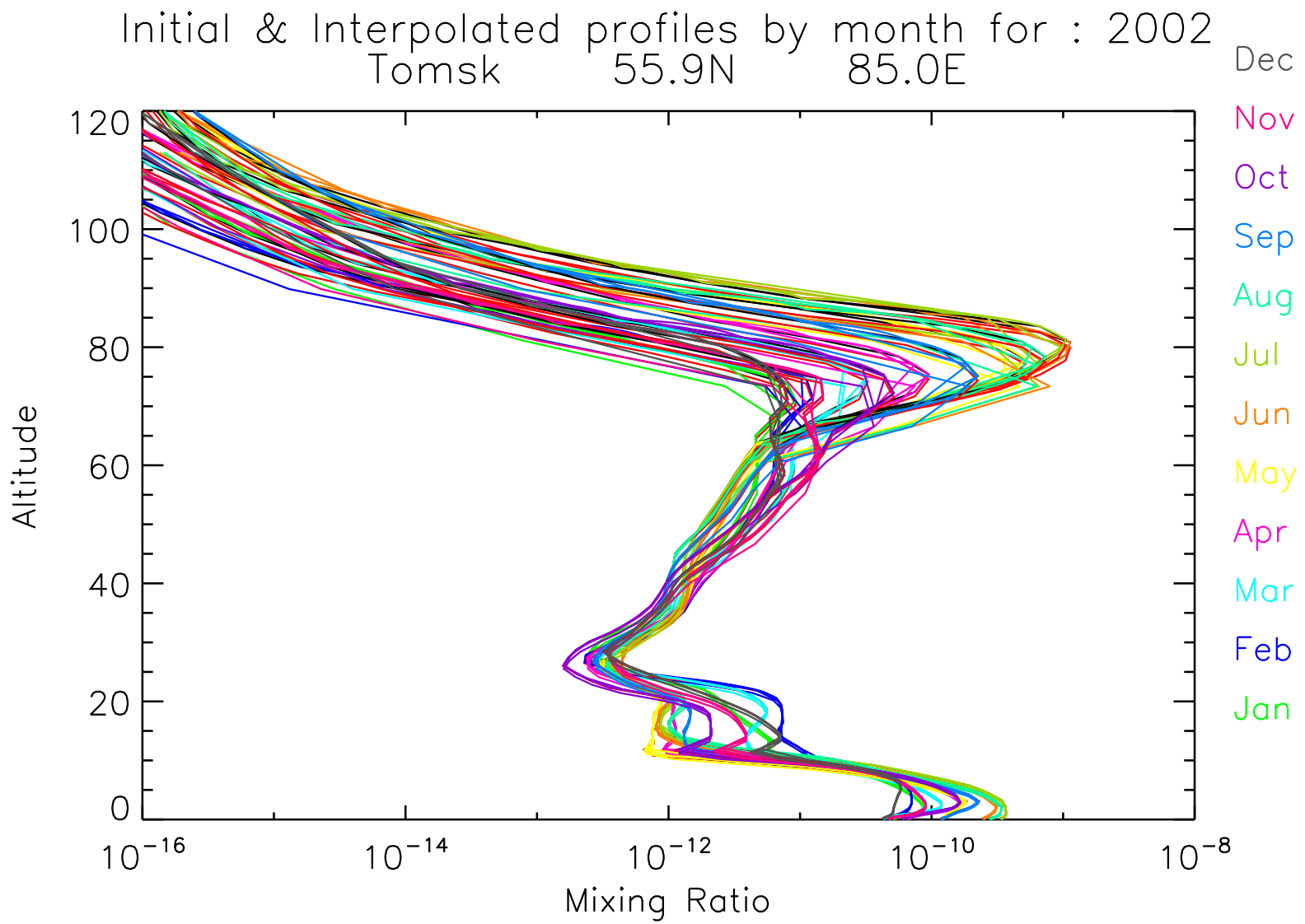
Initial & Interpolated profiles by month for : 2002
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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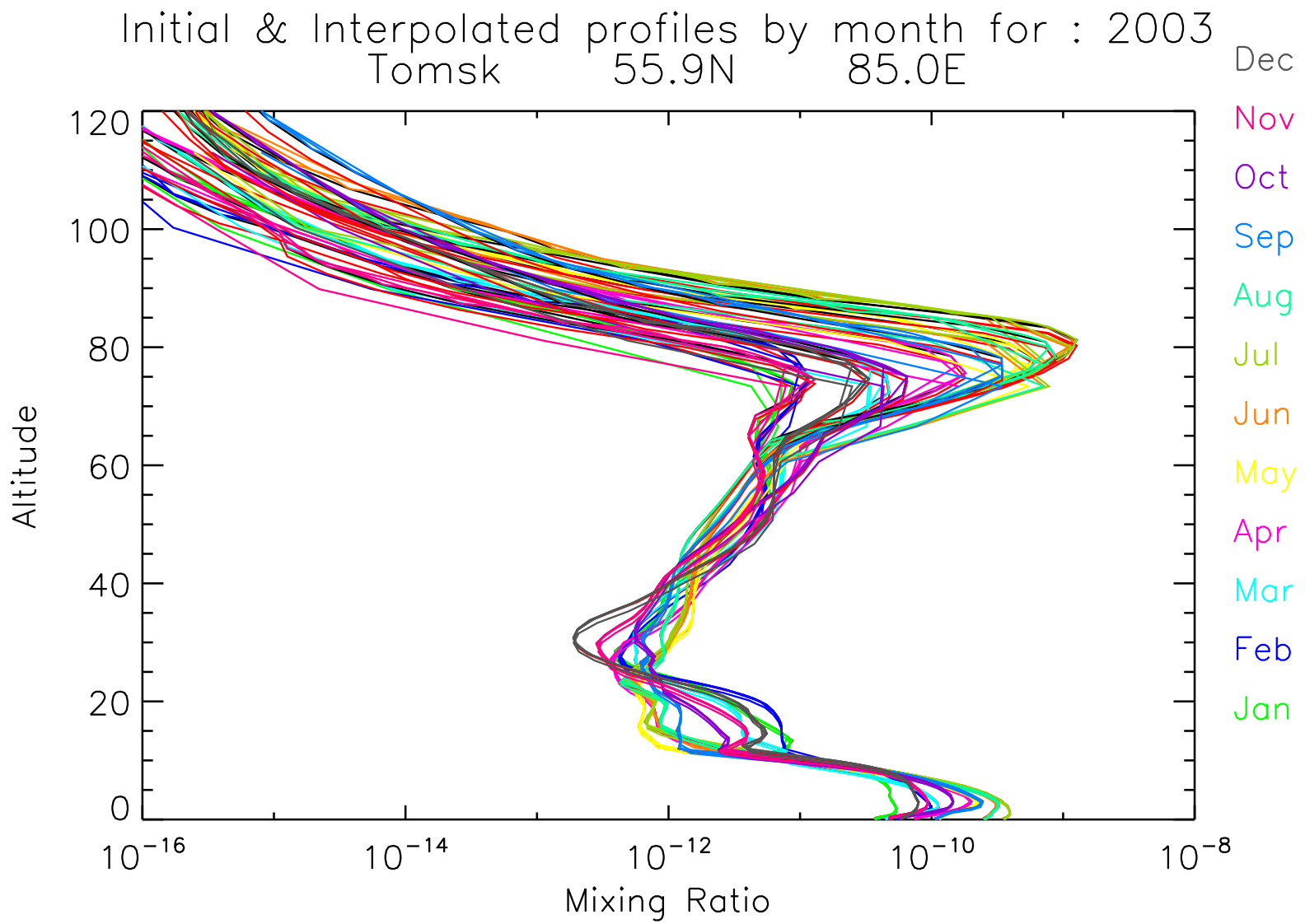
Initial & Interpolated profiles by month for : 2003
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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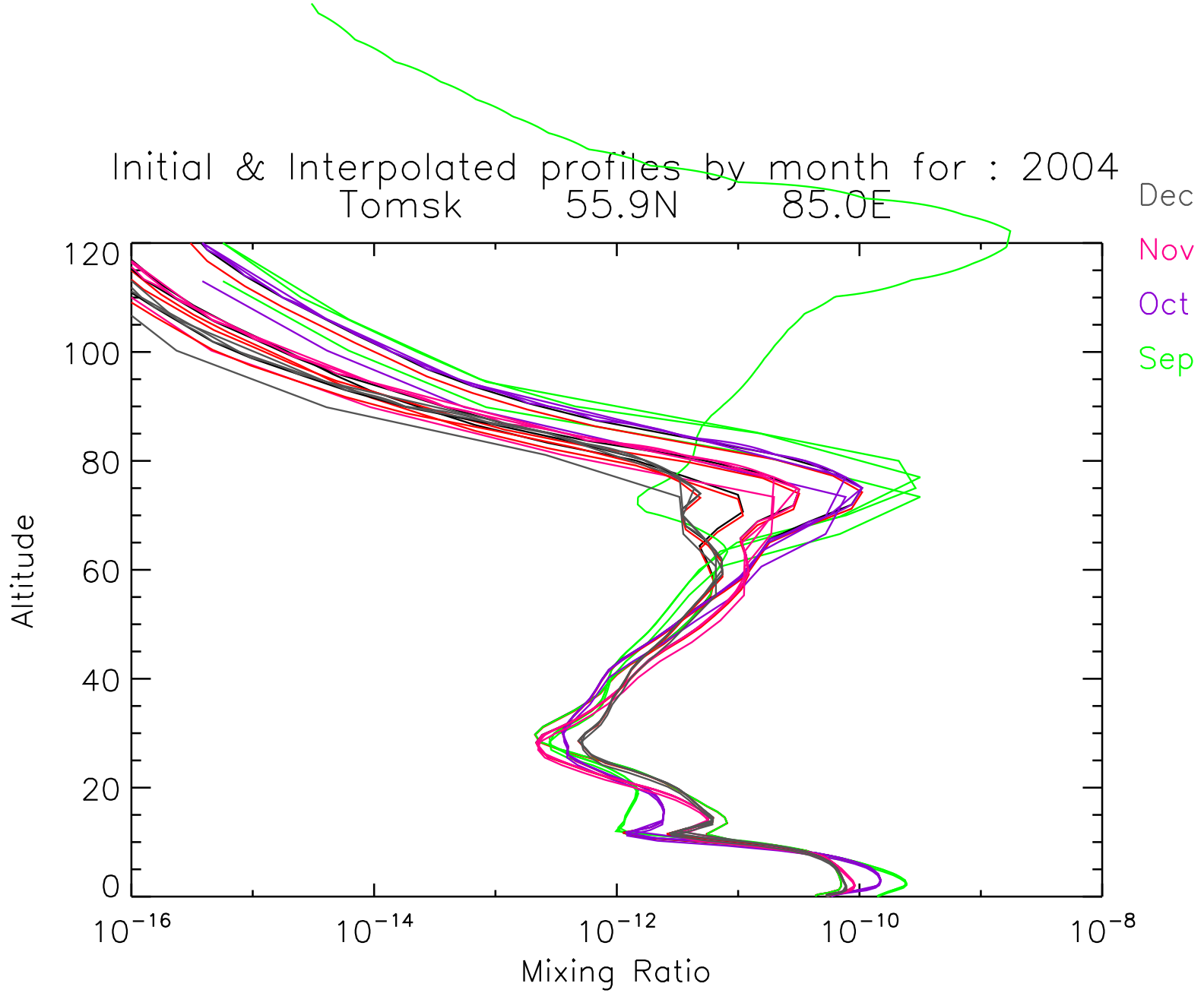
Initial & Interpolated profiles by month for : 2004
Tomsk 55.9N 85.0E
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Altitude
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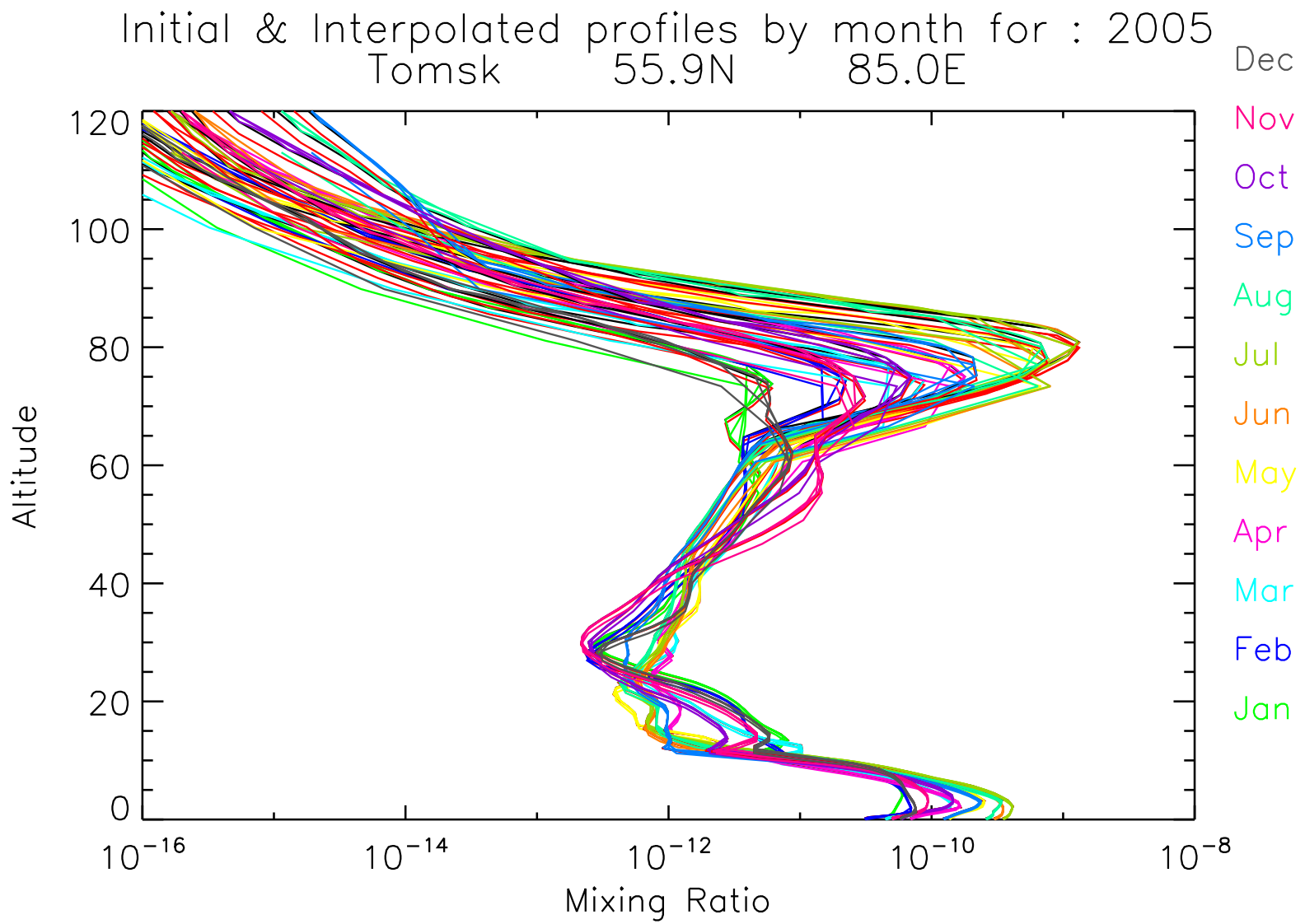
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Tomsk 55.9N 85.0E
Altitude
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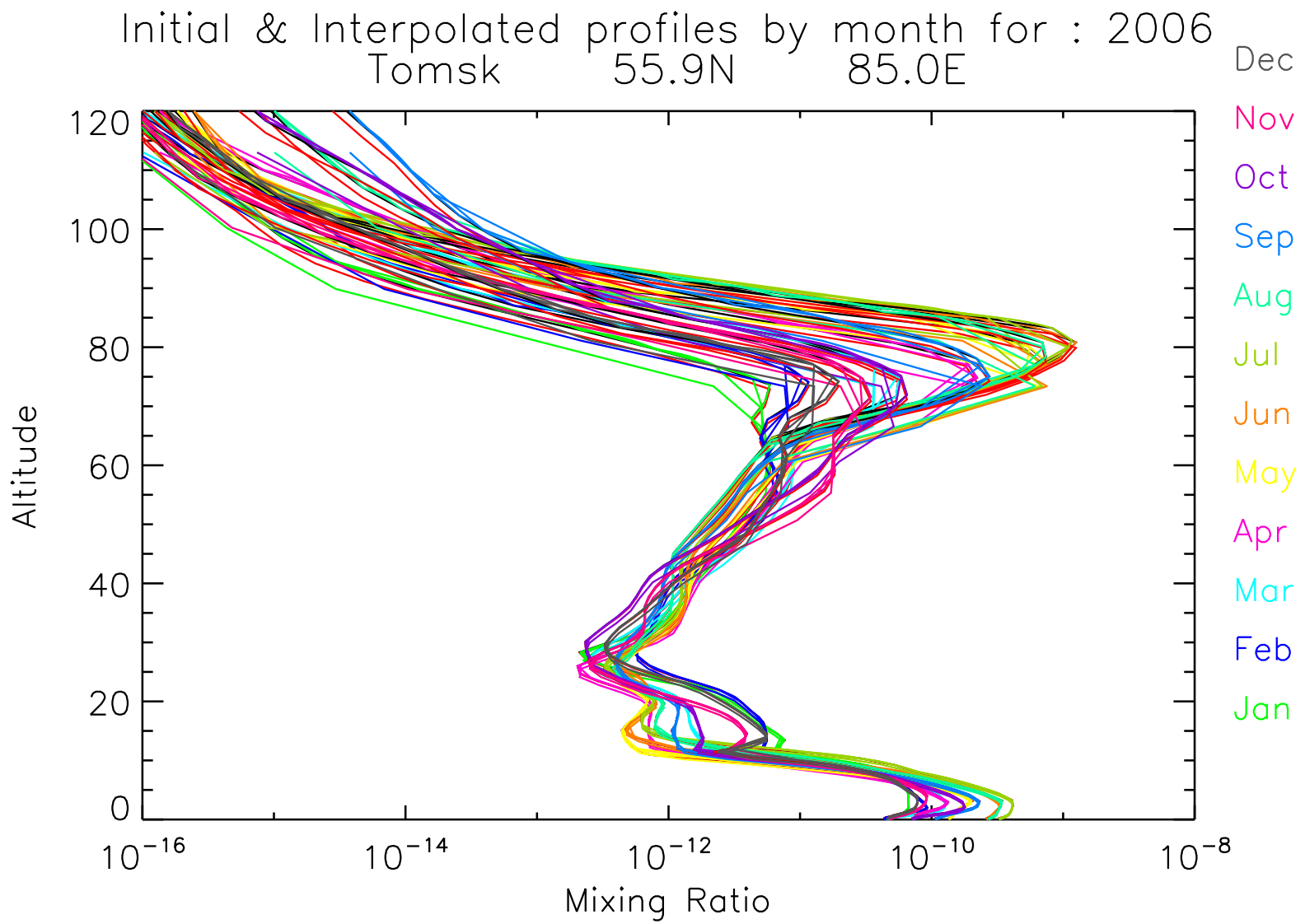
Initial & Interpolated profiles by month for : 2006
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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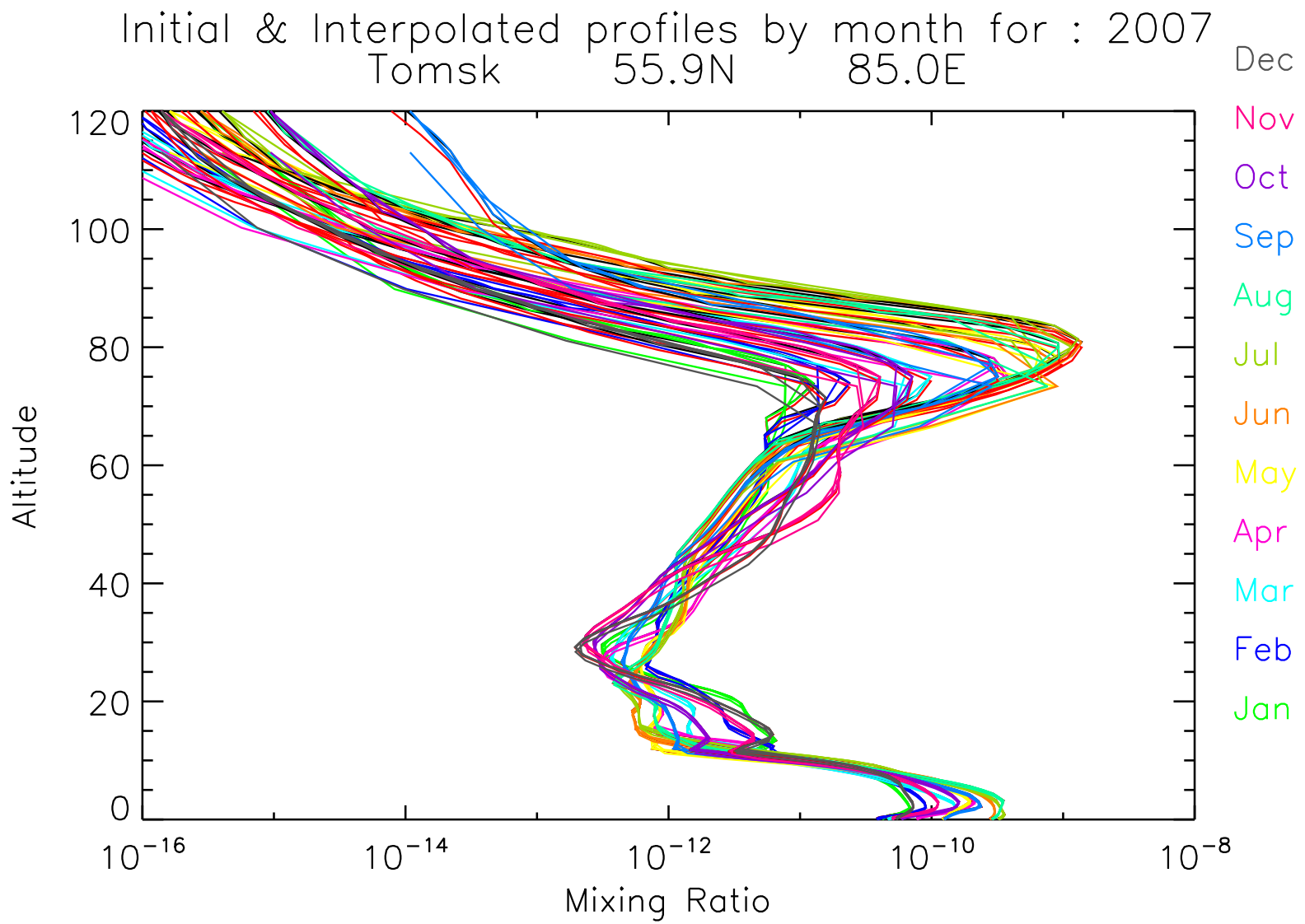
Initial & Interpolated profiles by month for : 2007
Tomsk 55.9N 85.0E
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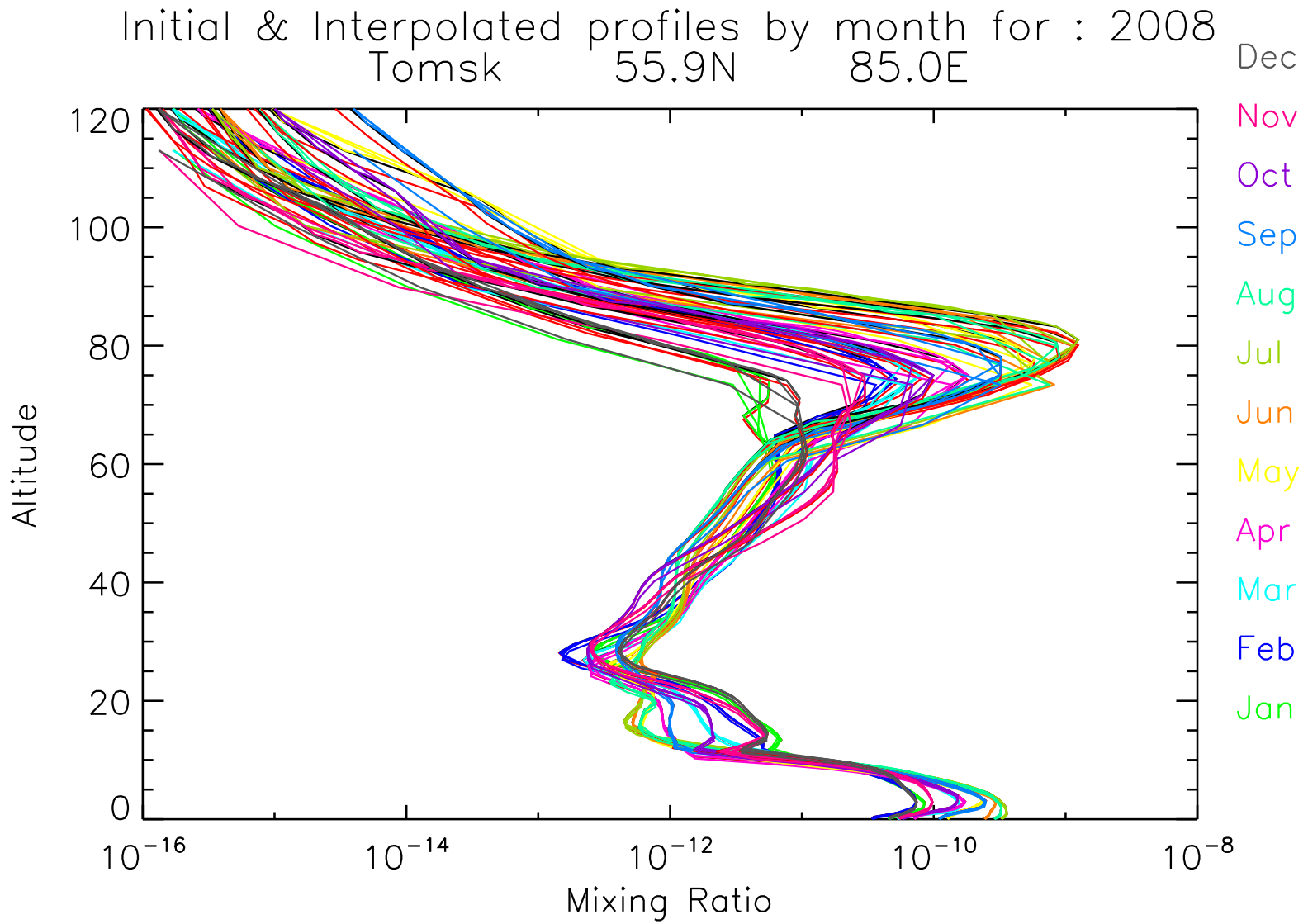
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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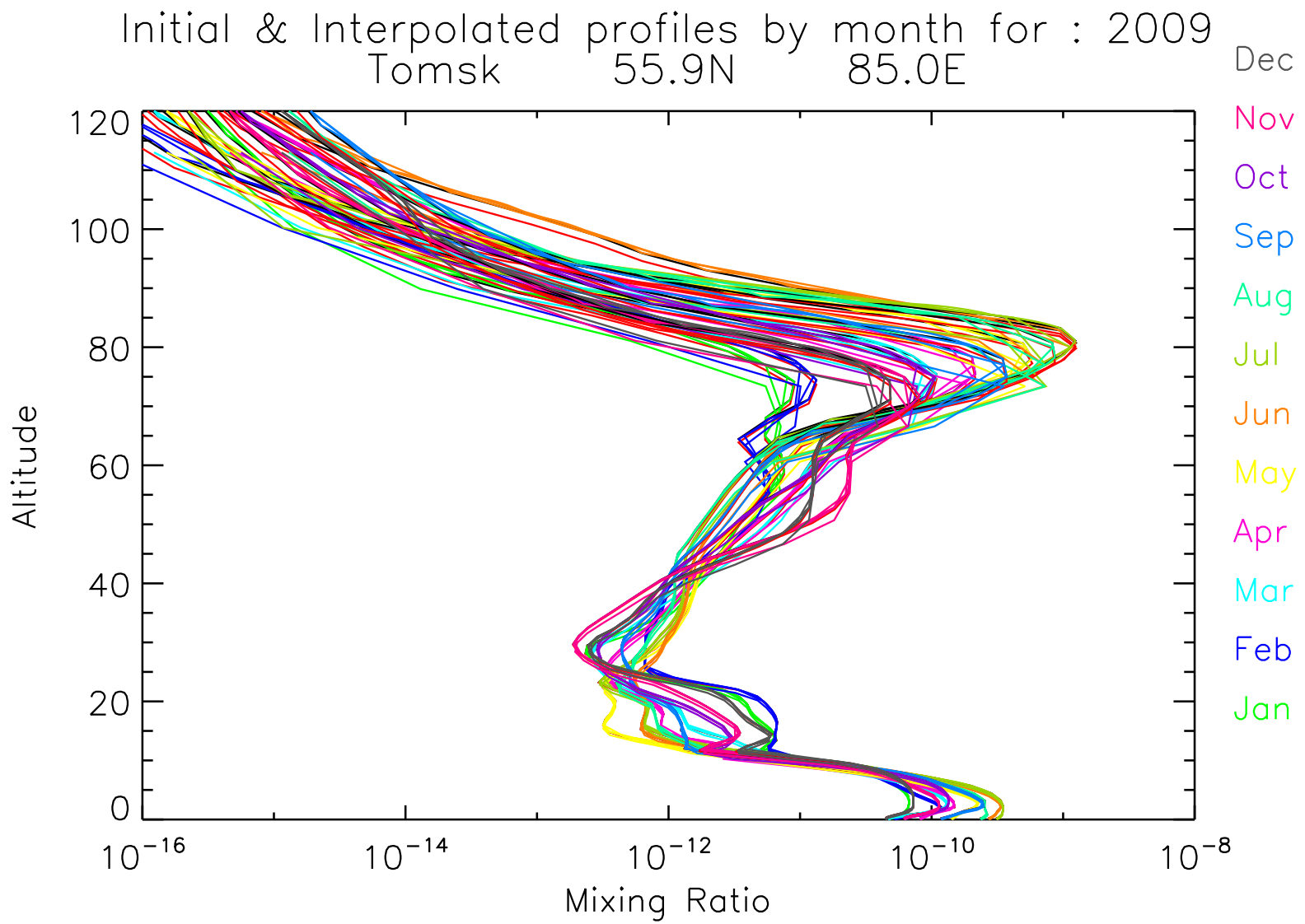
Initial & Interpolated profiles by month for : 2009
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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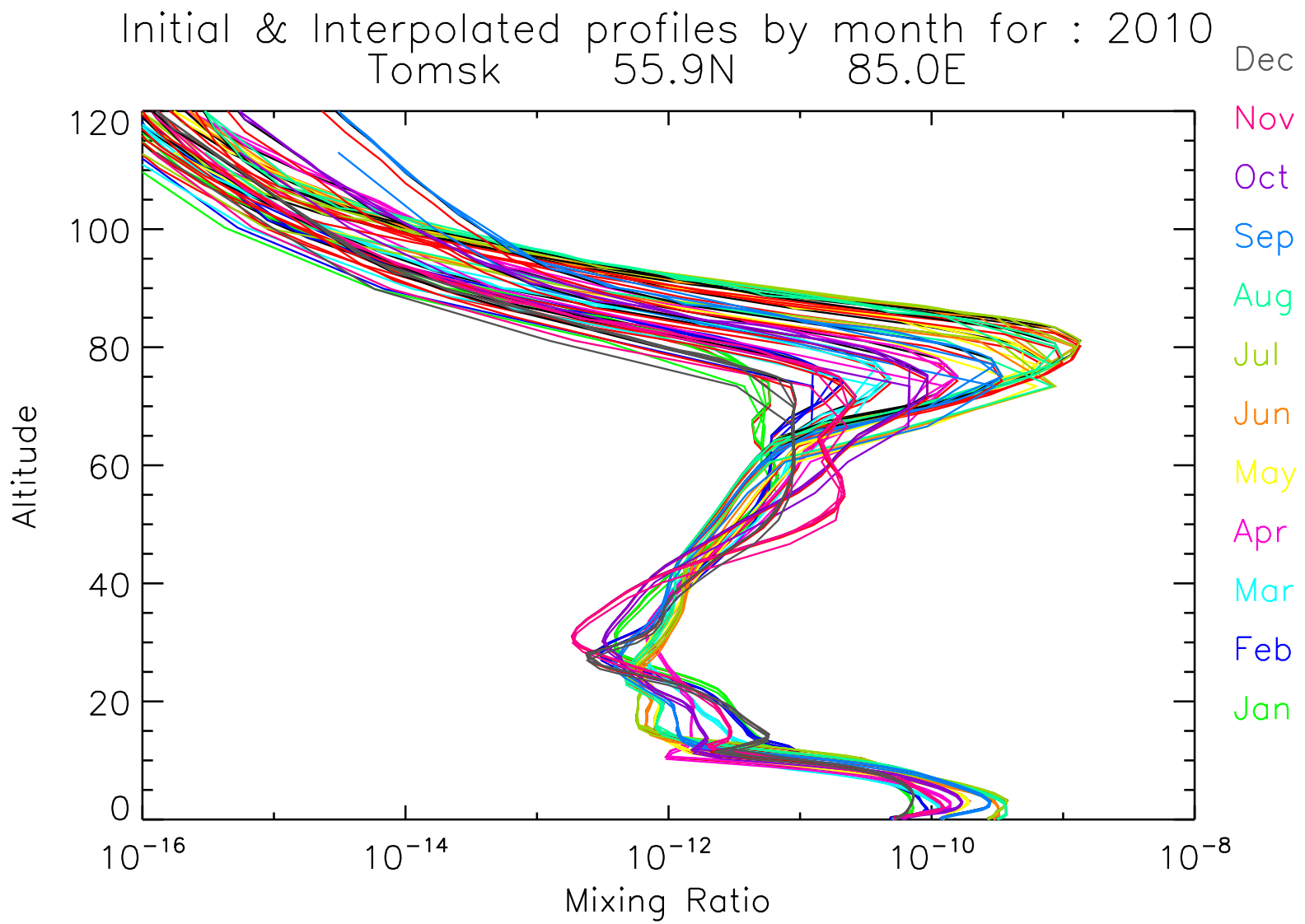
Initial & Interpolated profiles by month for : 2010
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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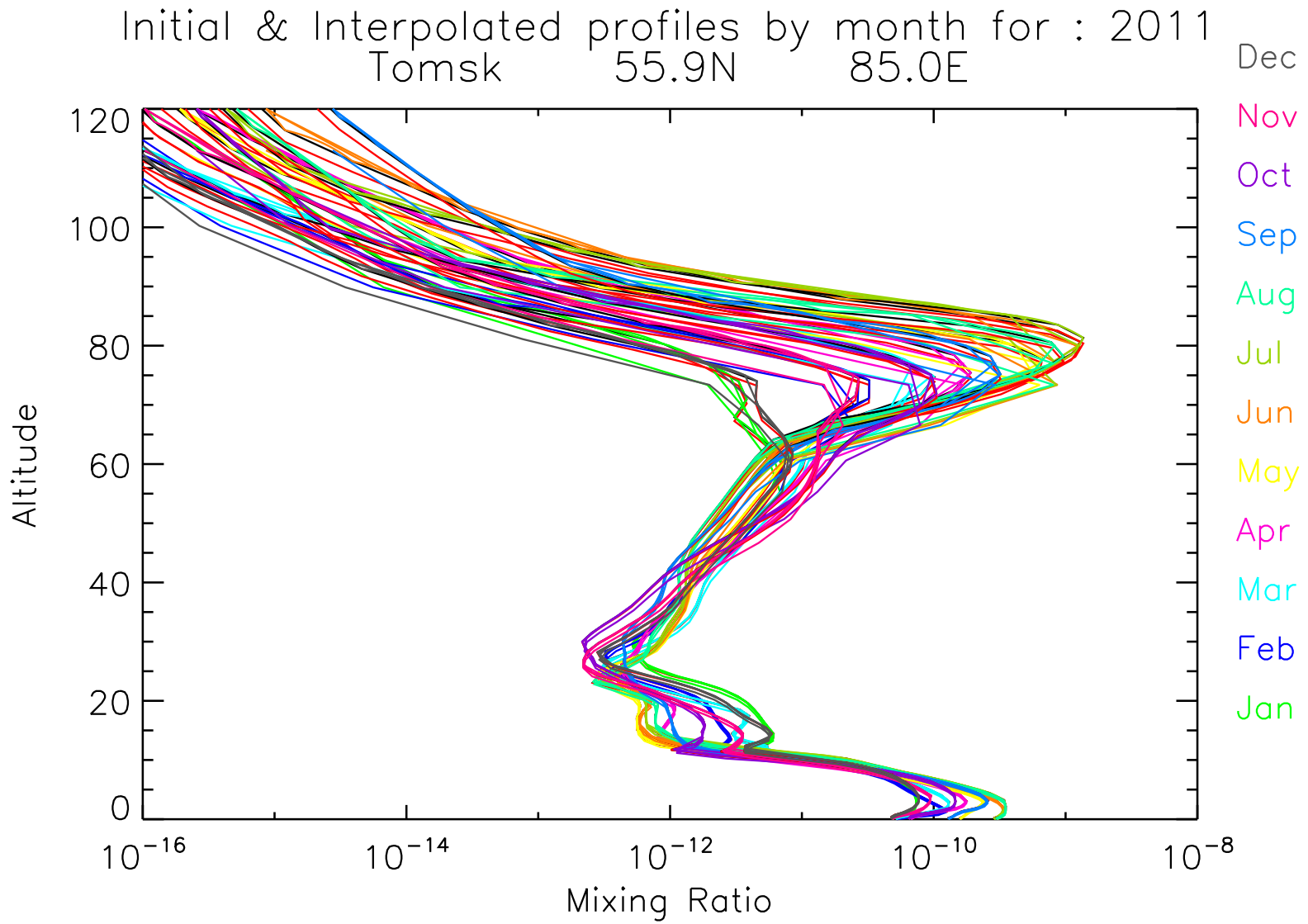
Initial & Interpolated profiles by month for : 2011
Tomsk 55.9N 85.0E
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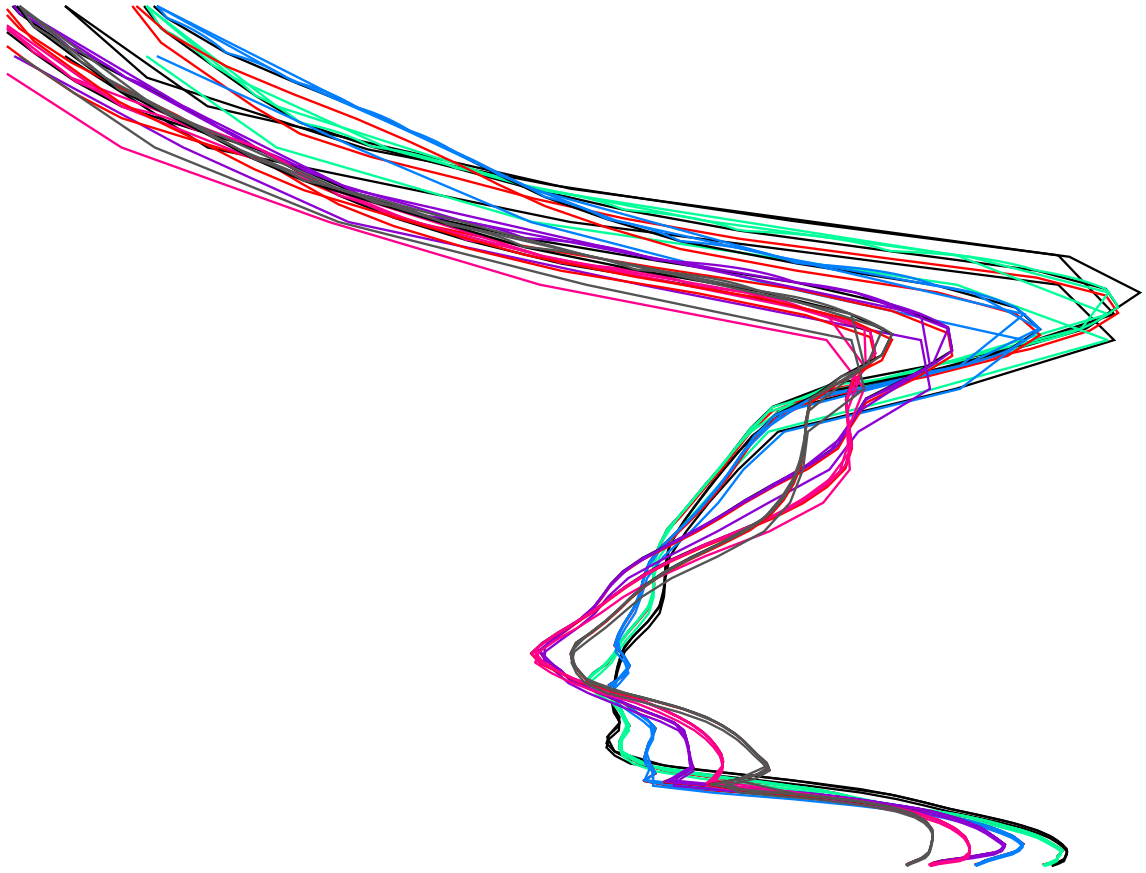

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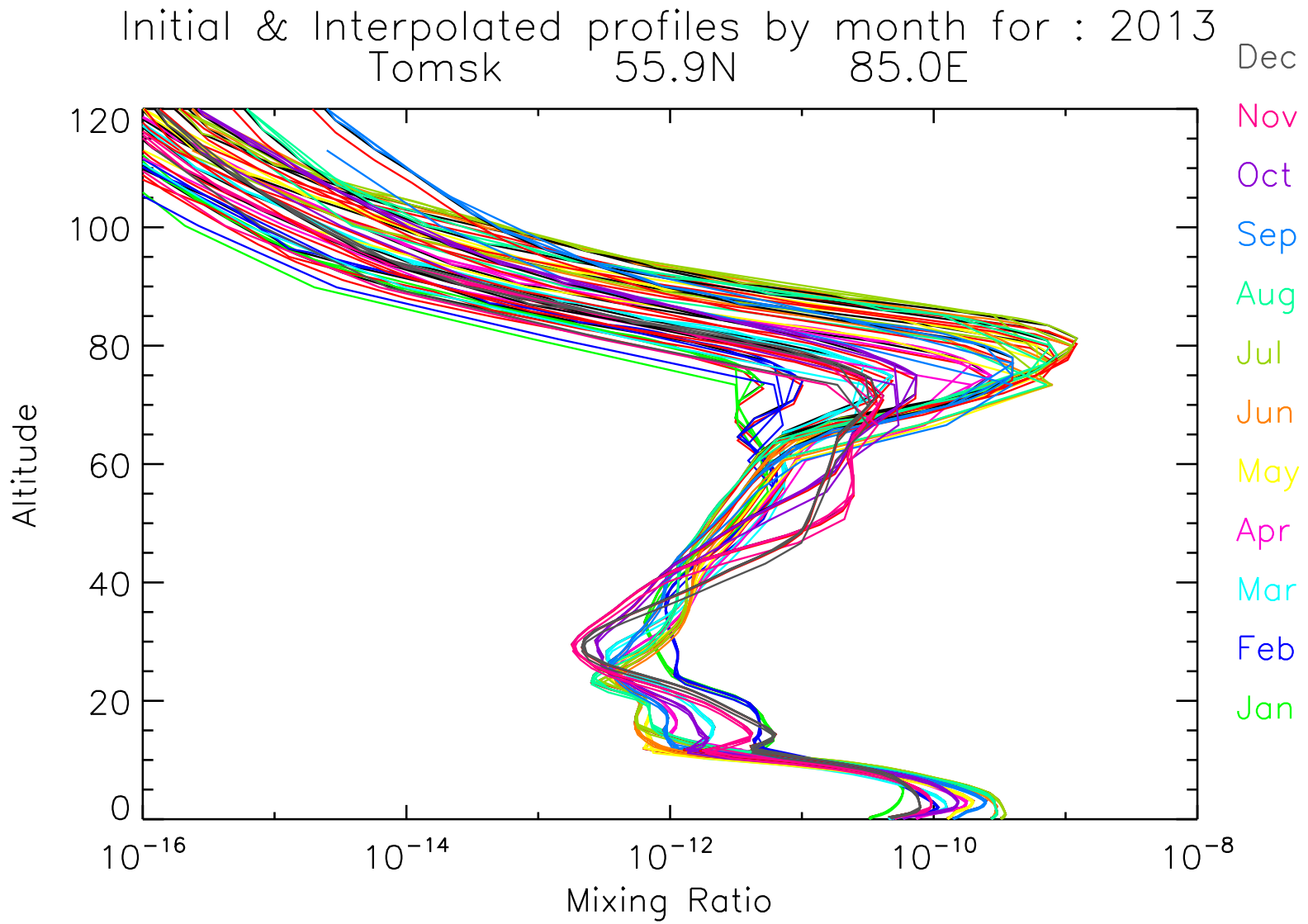
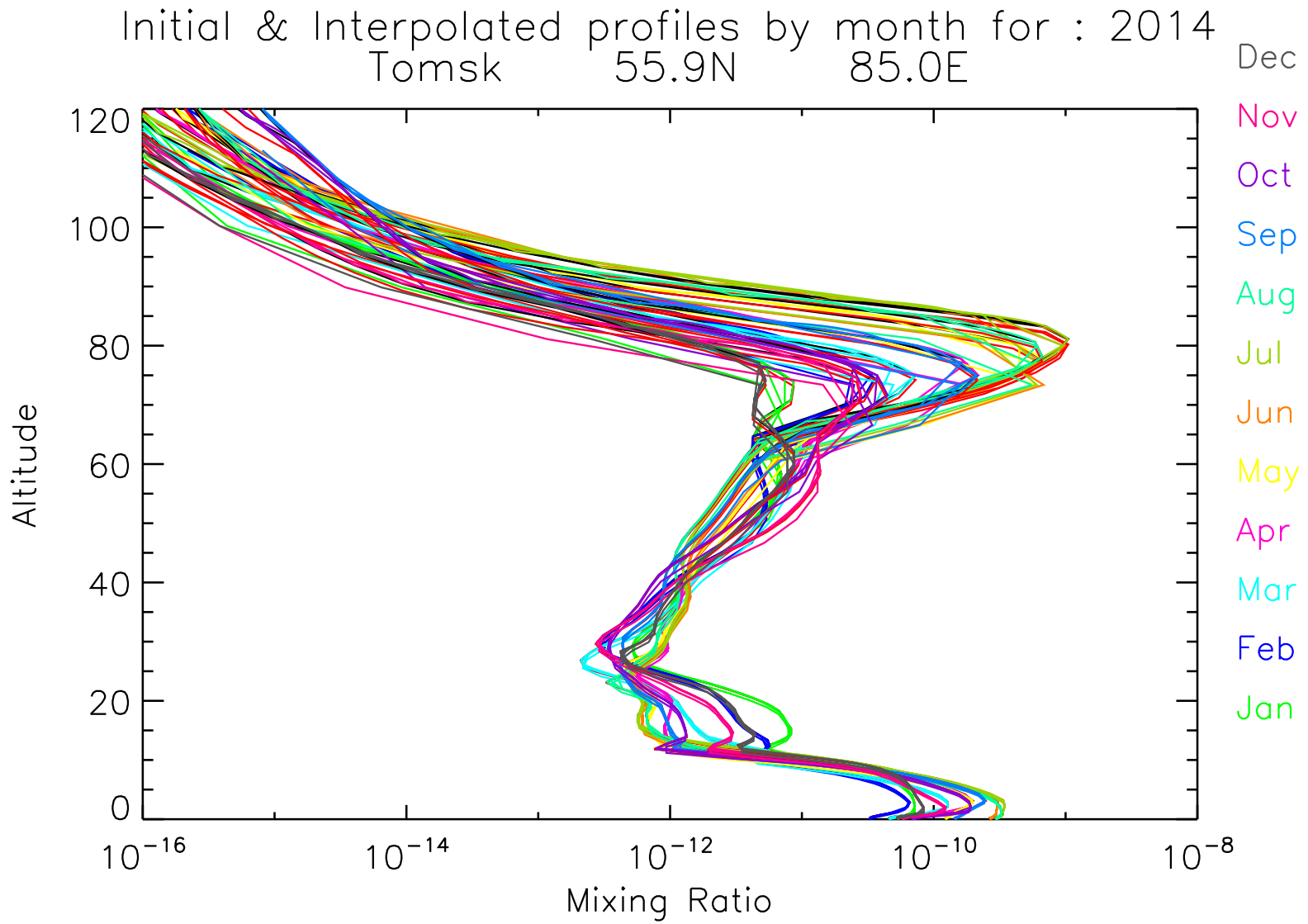
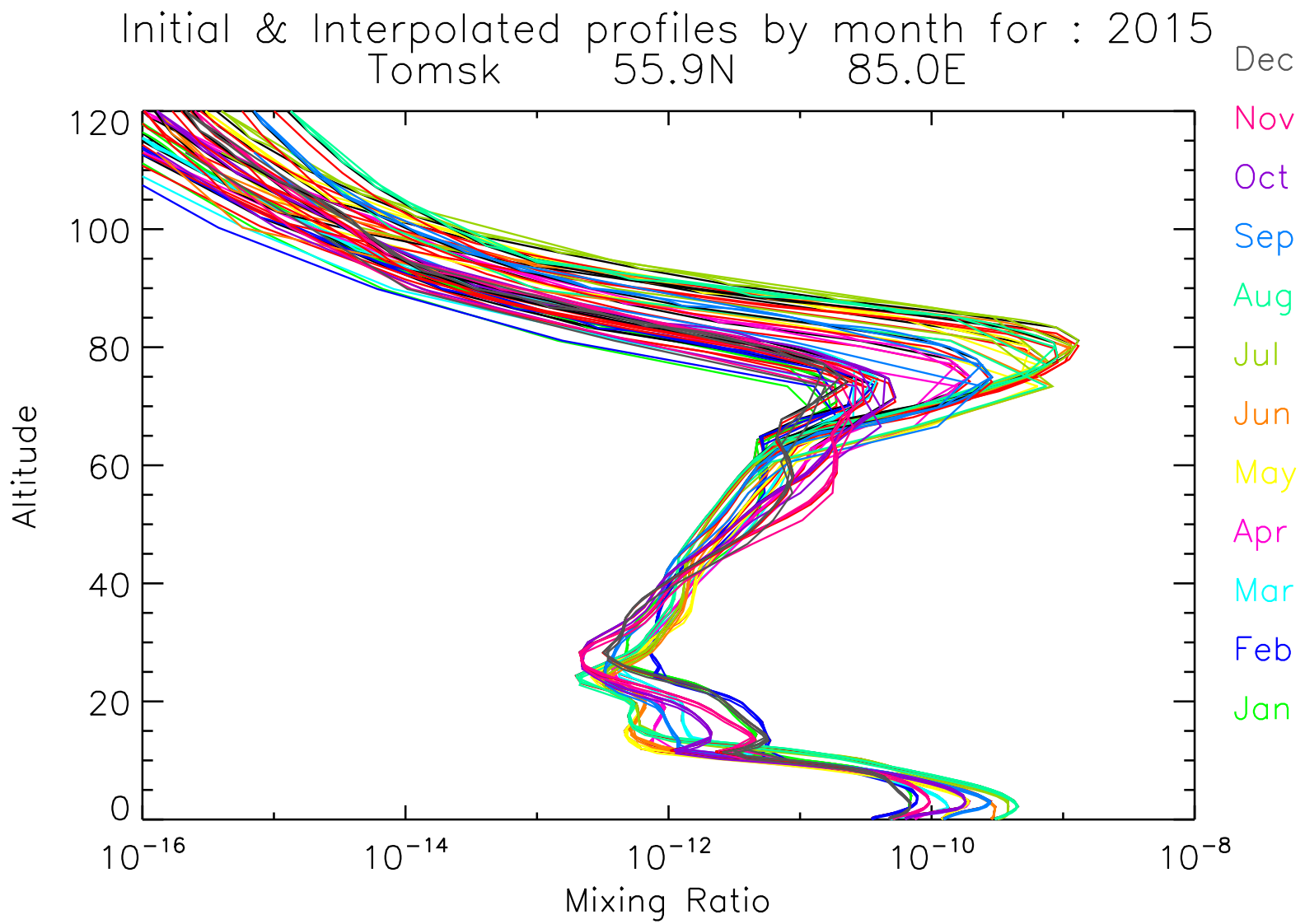
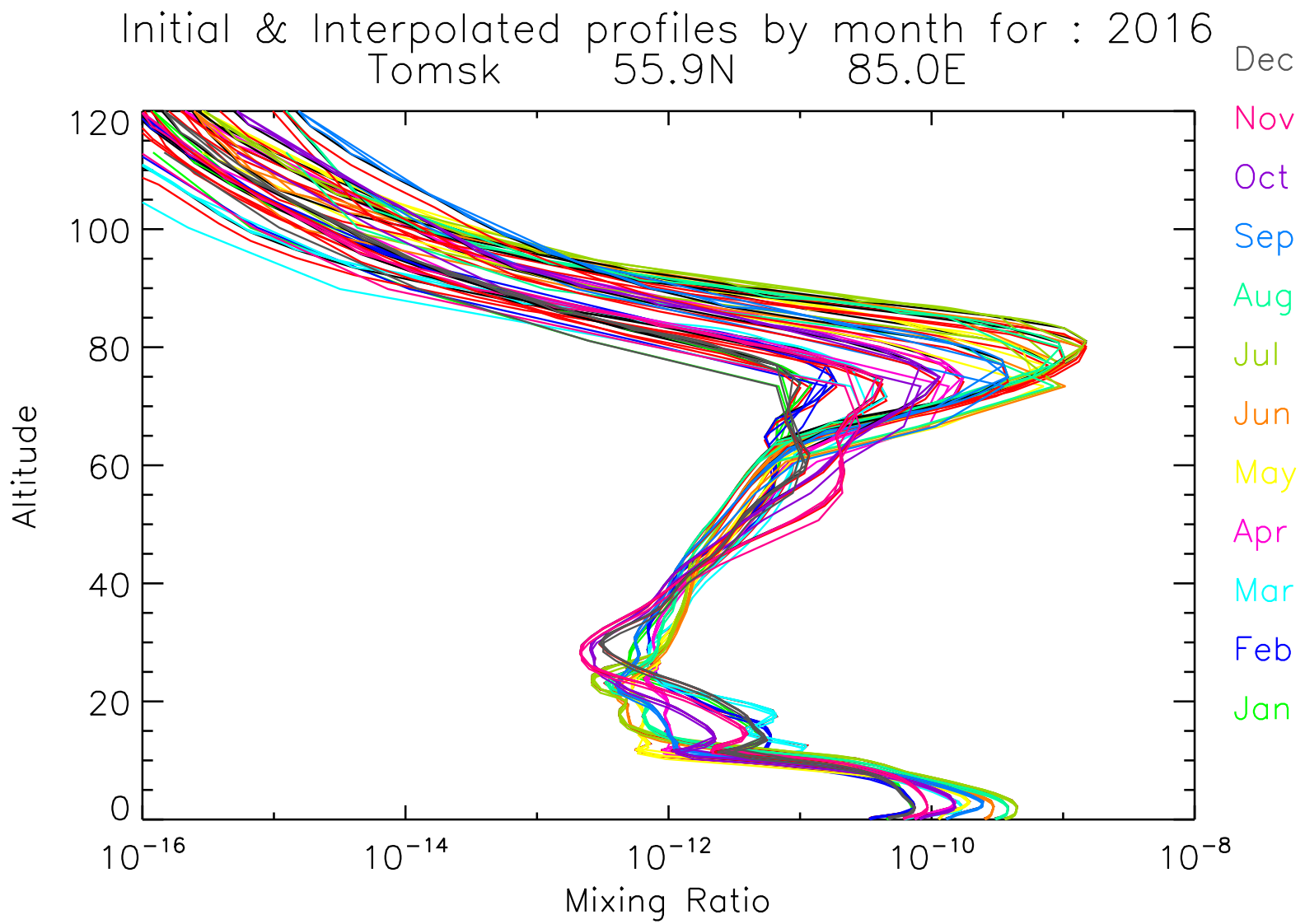
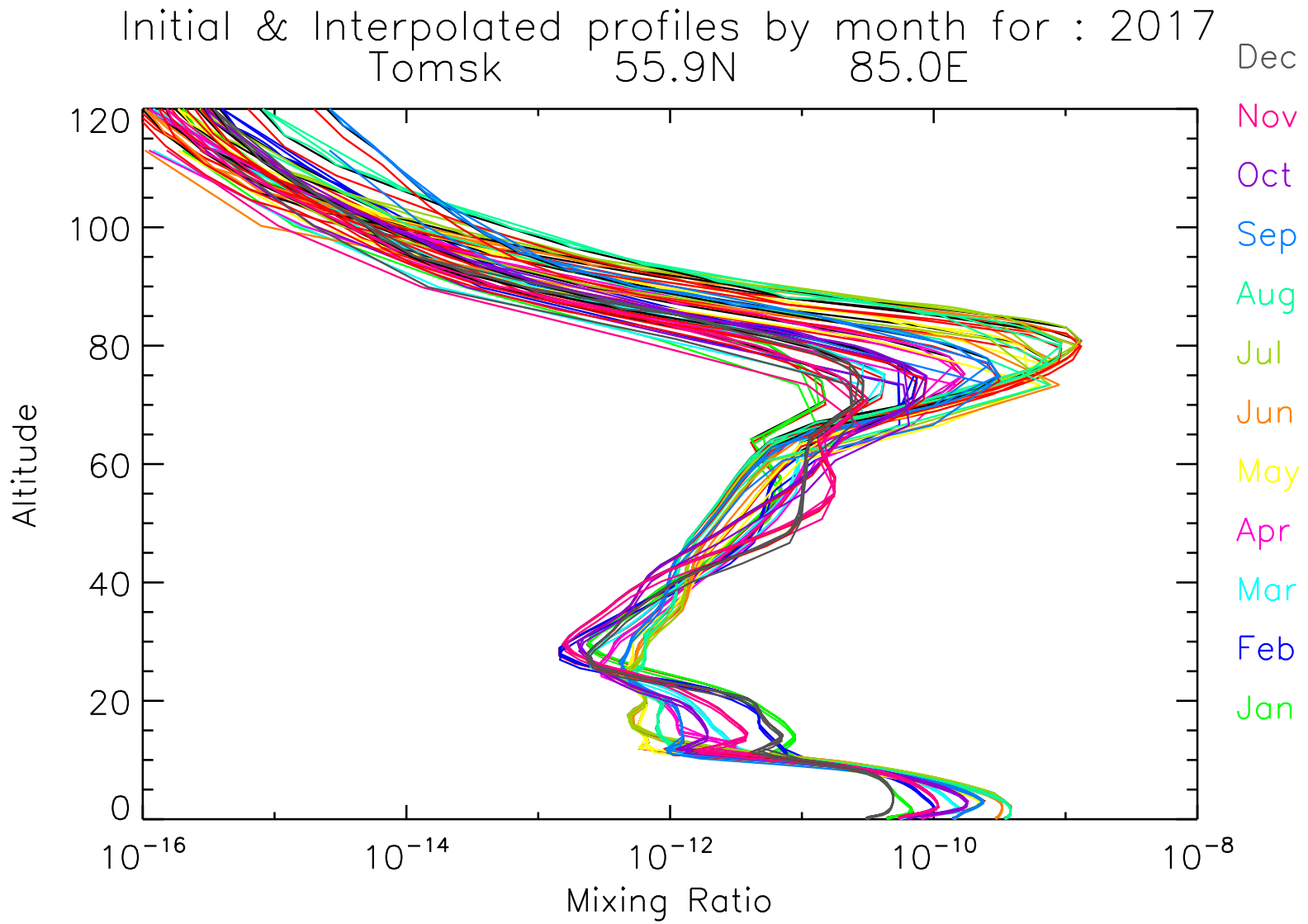
Aug
Jul

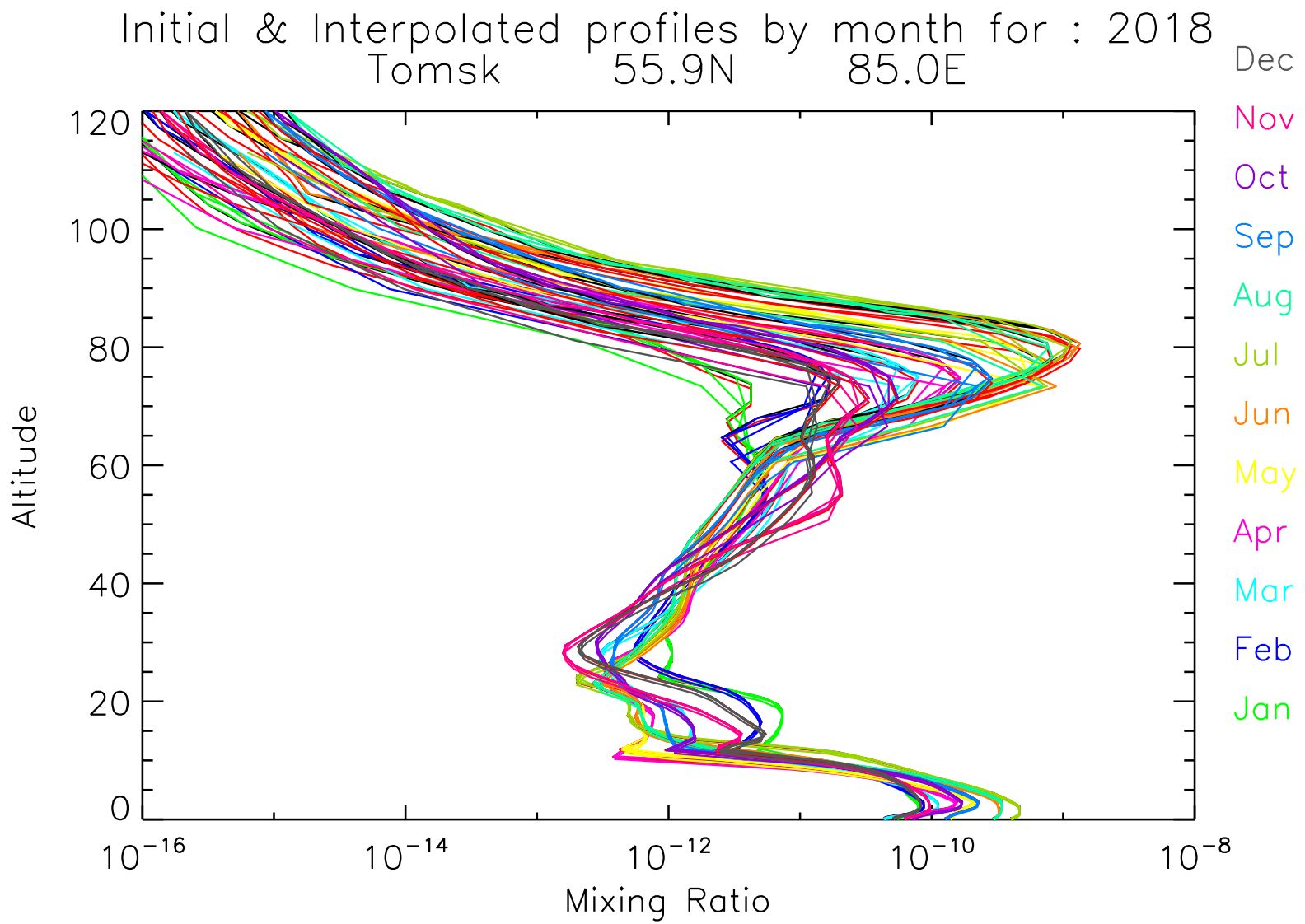

Initial & Interpolated profiles by month for : 2013
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

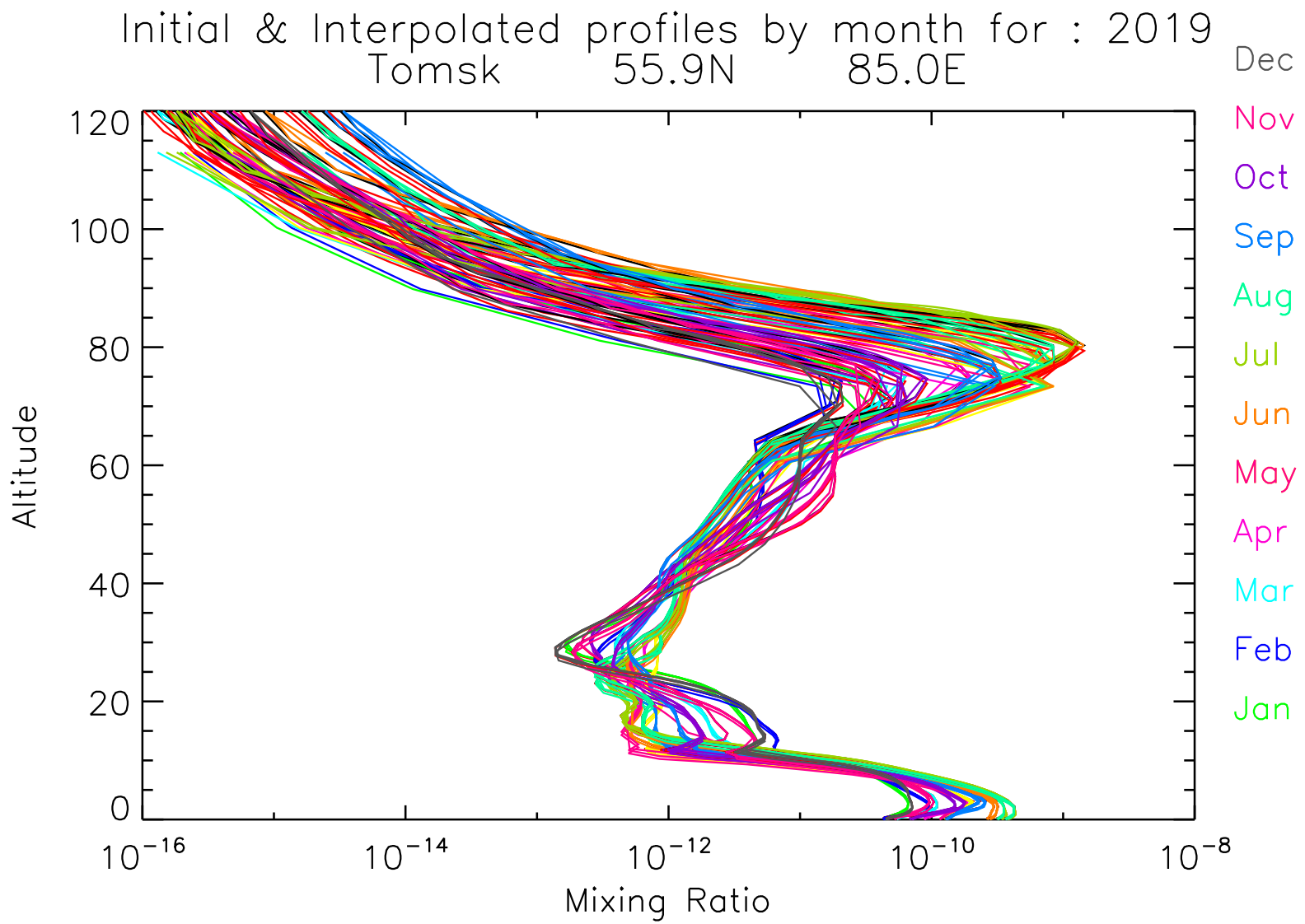

Initial & Interpolated profiles by month for : 2014
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

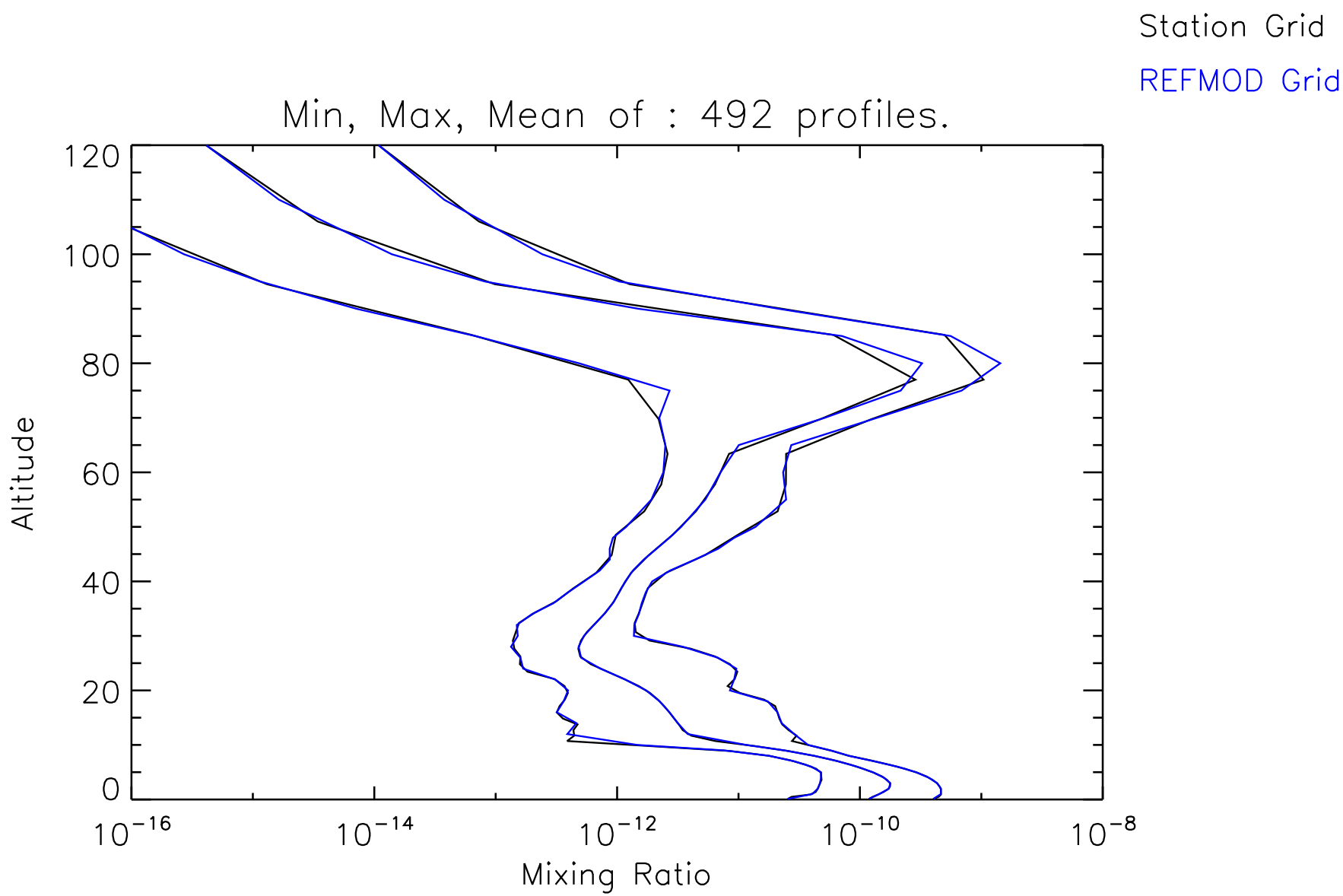

Initial & Interpolated profiles by month for : 2015
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

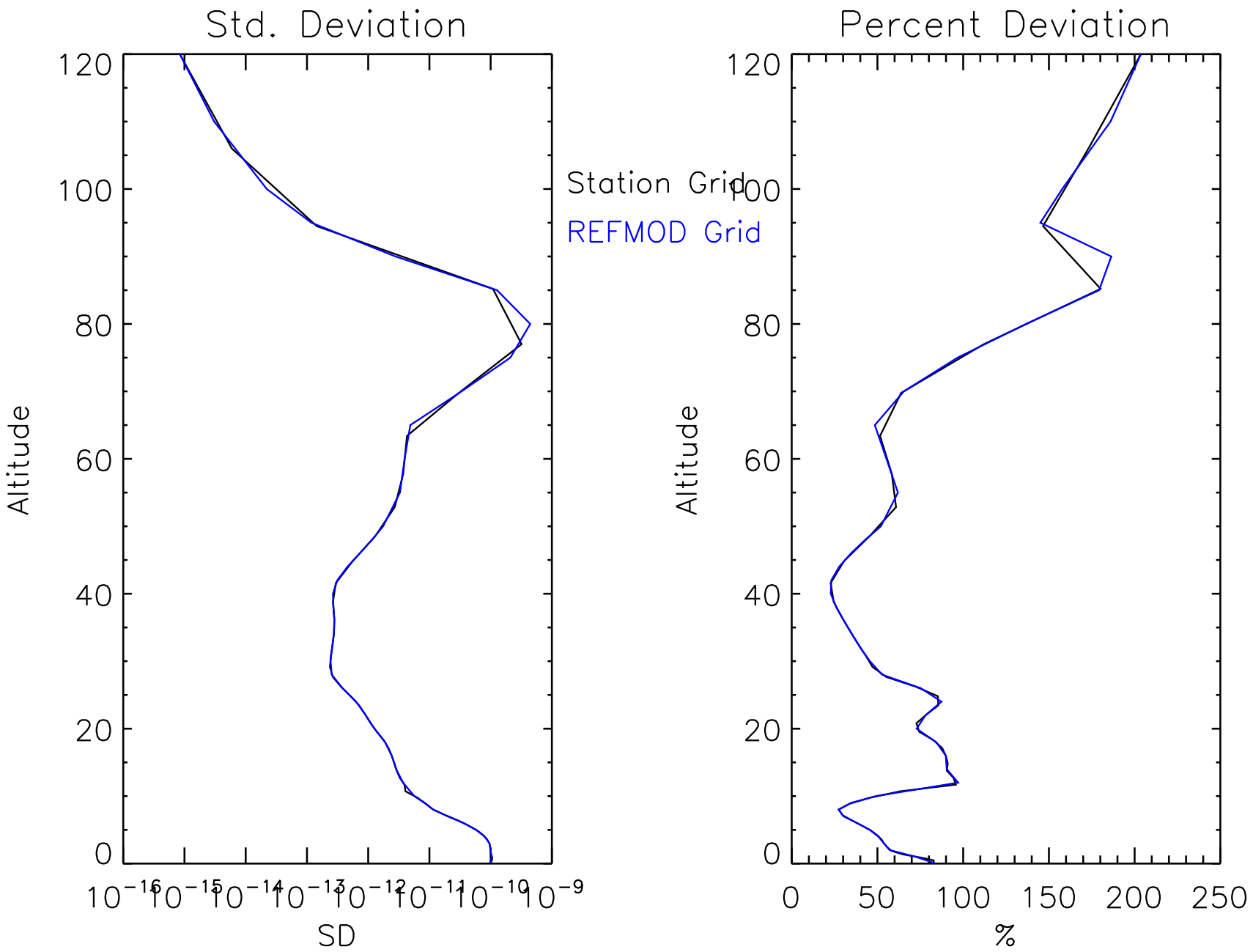

Initial & Interpolated profiles by month for : 2016
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

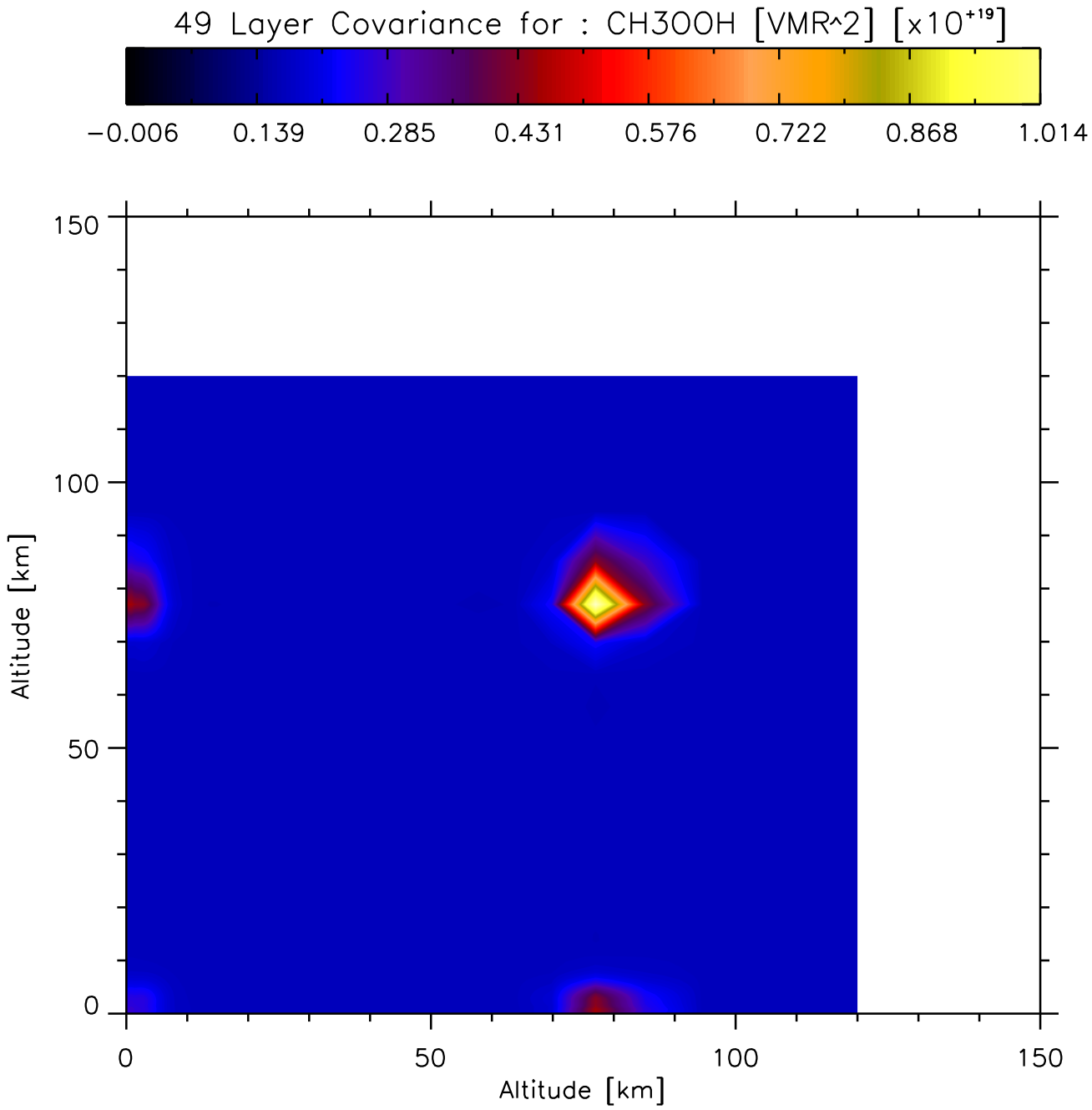

Initial & Interpolated profiles by month for : 2017
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2018
Tomsk 55.9N 85.0E
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

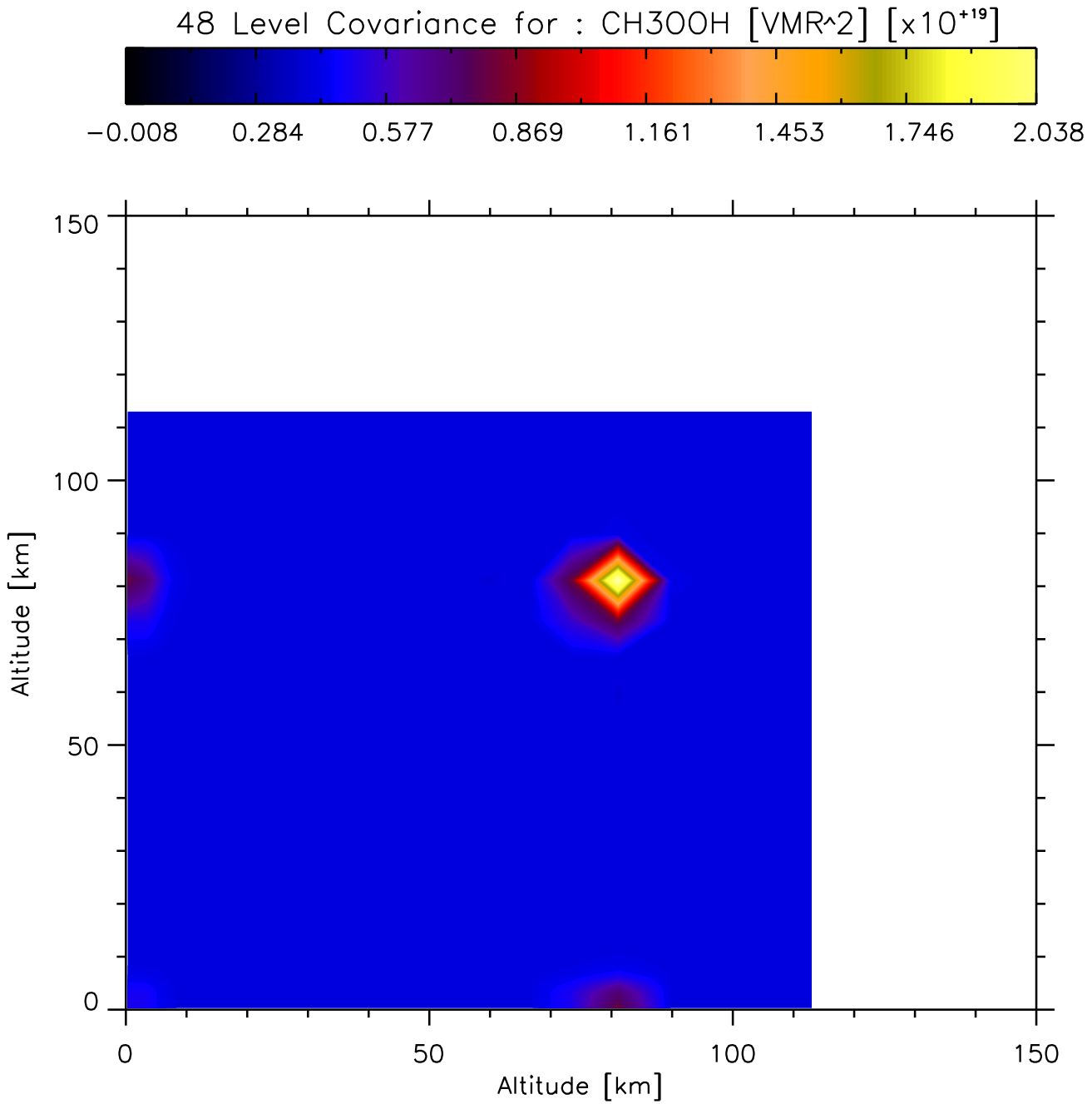

Initial & Interpolated profiles by month for : 2019
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

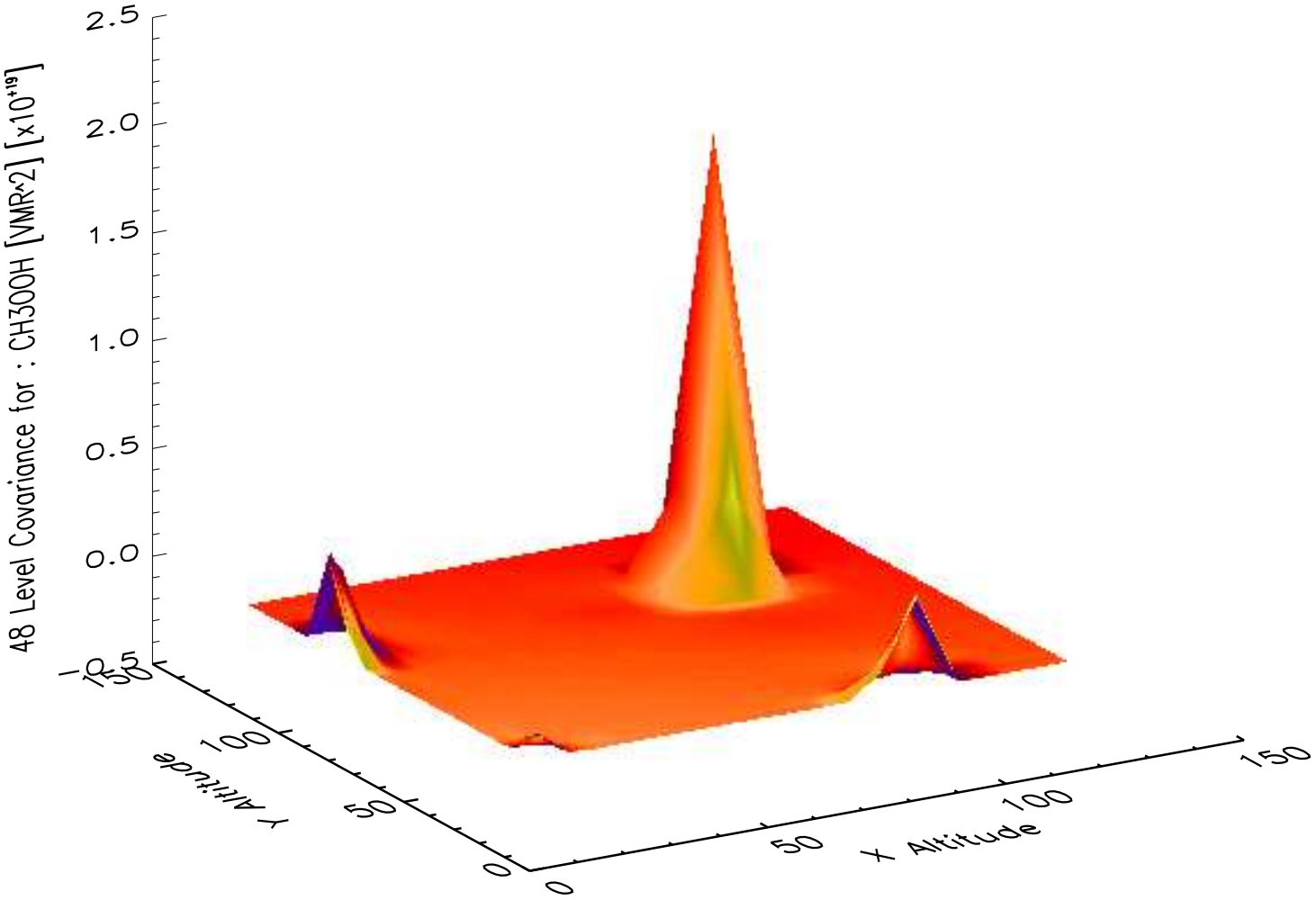

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-16} 10^{-15} 10^{-14} 10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9}
SD
0 50 100 150 200 250
%


49 Layer Covariance for : CH3OOH [VMR^2] [x10^+19]
−0.006
0.139
0.285
0.431
0.576
0.722
0.868
1.014
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

49 Layer Covariance for : CH3OOH [VMR^2] [x10^+19]
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
0
50
100
X Altitude


48 Level Covariance for : CH3OOH [VMR^2] [x10^+19]
−0.008
0.284
0.577
0.869
1.161
1.453
1.746
2.038
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : CH3OOH [VMR^2] [x10^19]
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
150
100
50
0
Y Altitude
0
50
100
150
X Altitude