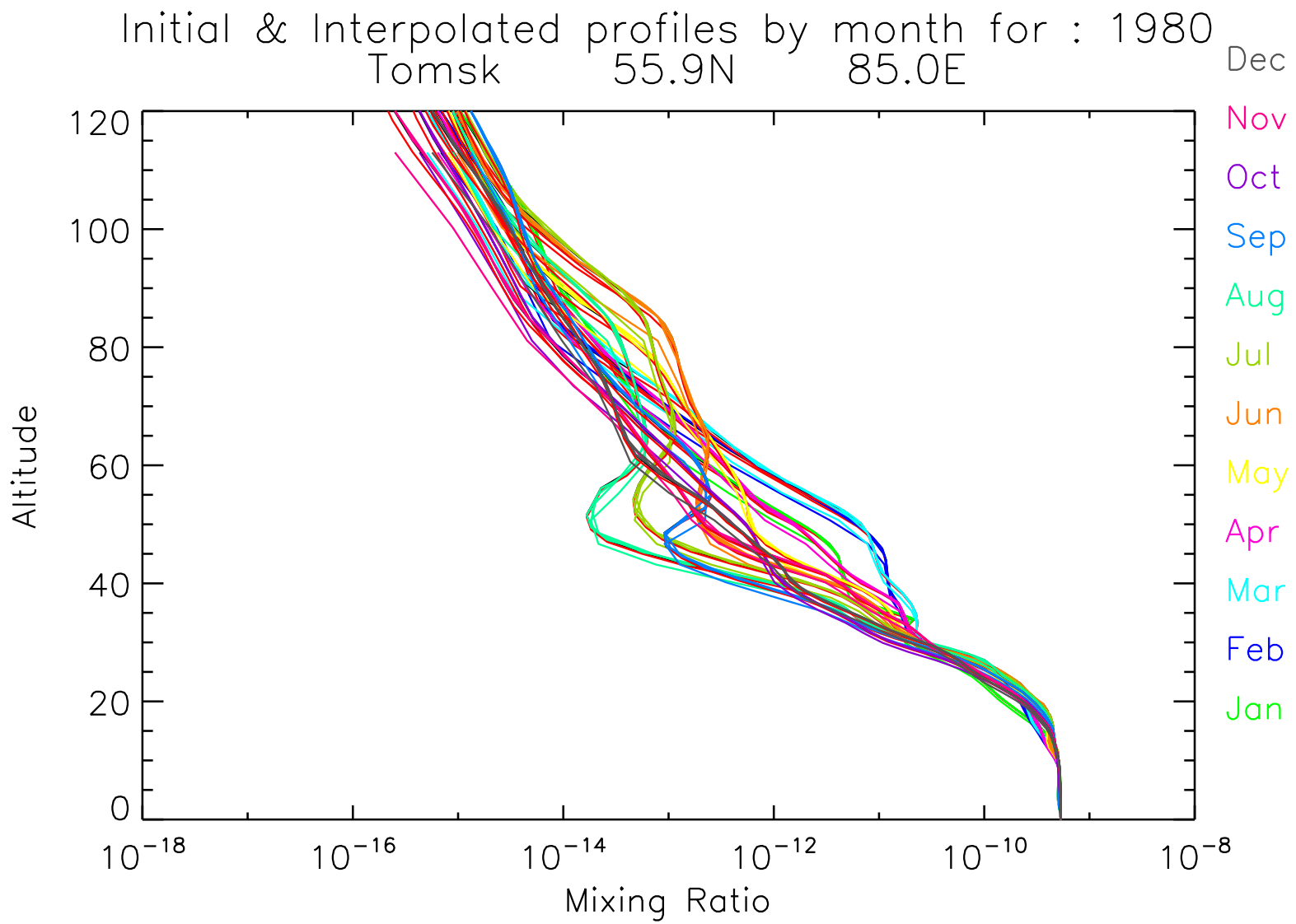
Initial & Interpolated profiles by month for : 1980
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Altitude
120
100
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60
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20
0
10^{-18}
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Mixing Ratio
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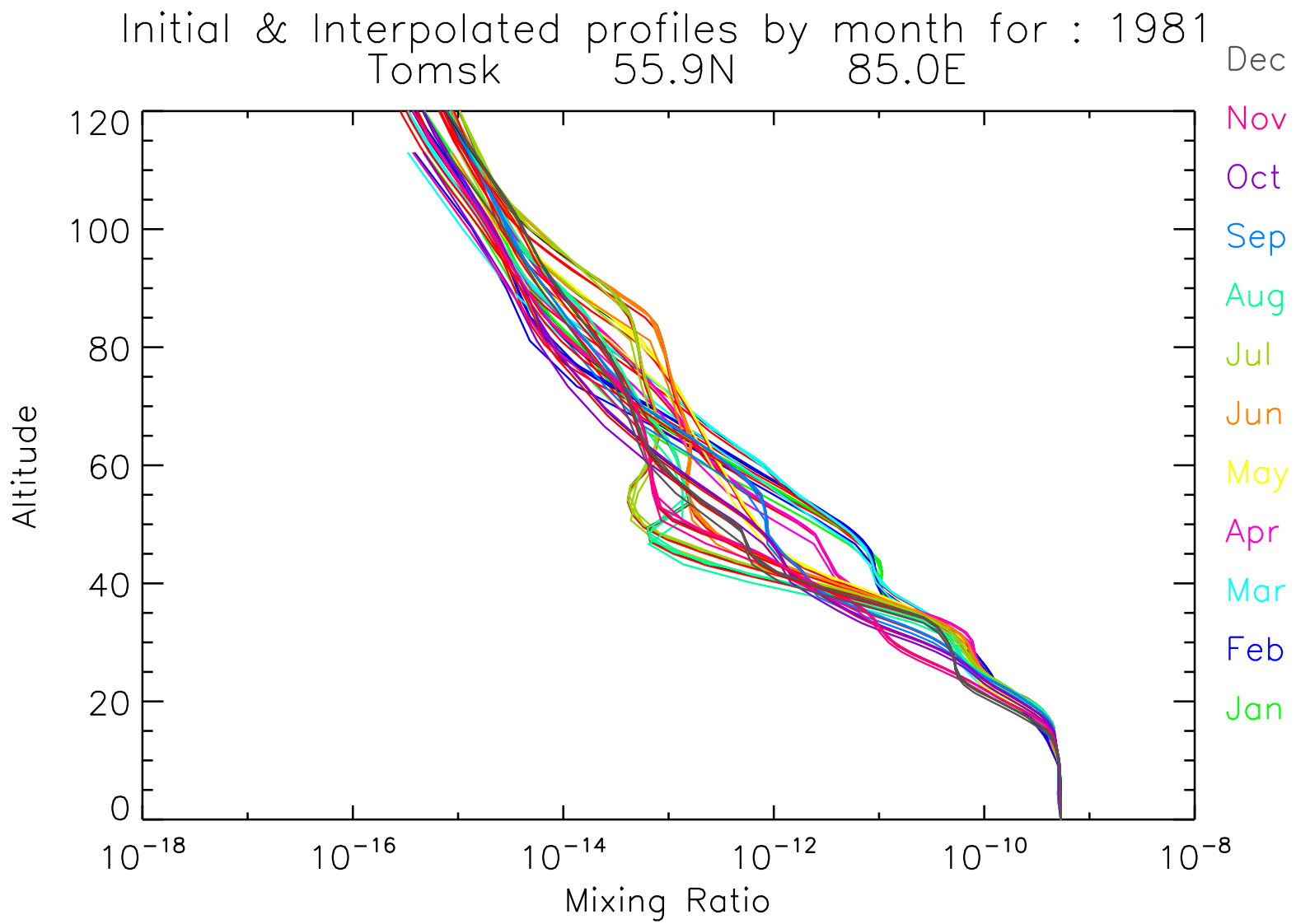
Initial & Interpolated profiles by month for : 1981
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120
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Altitude
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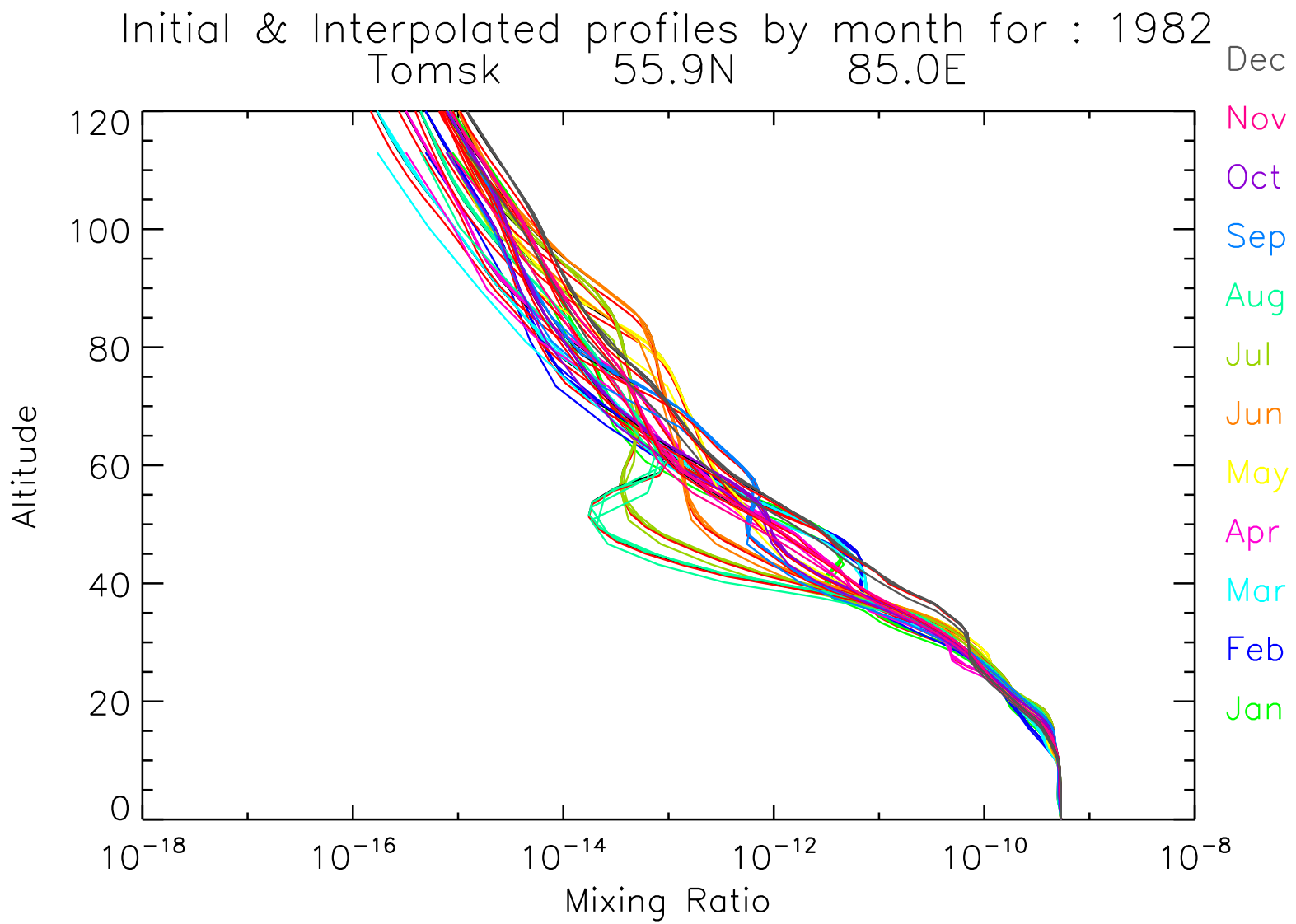
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Tomsk 55.9N 85.0E
Altitude
120
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20
0
10^{-18}
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Mixing Ratio
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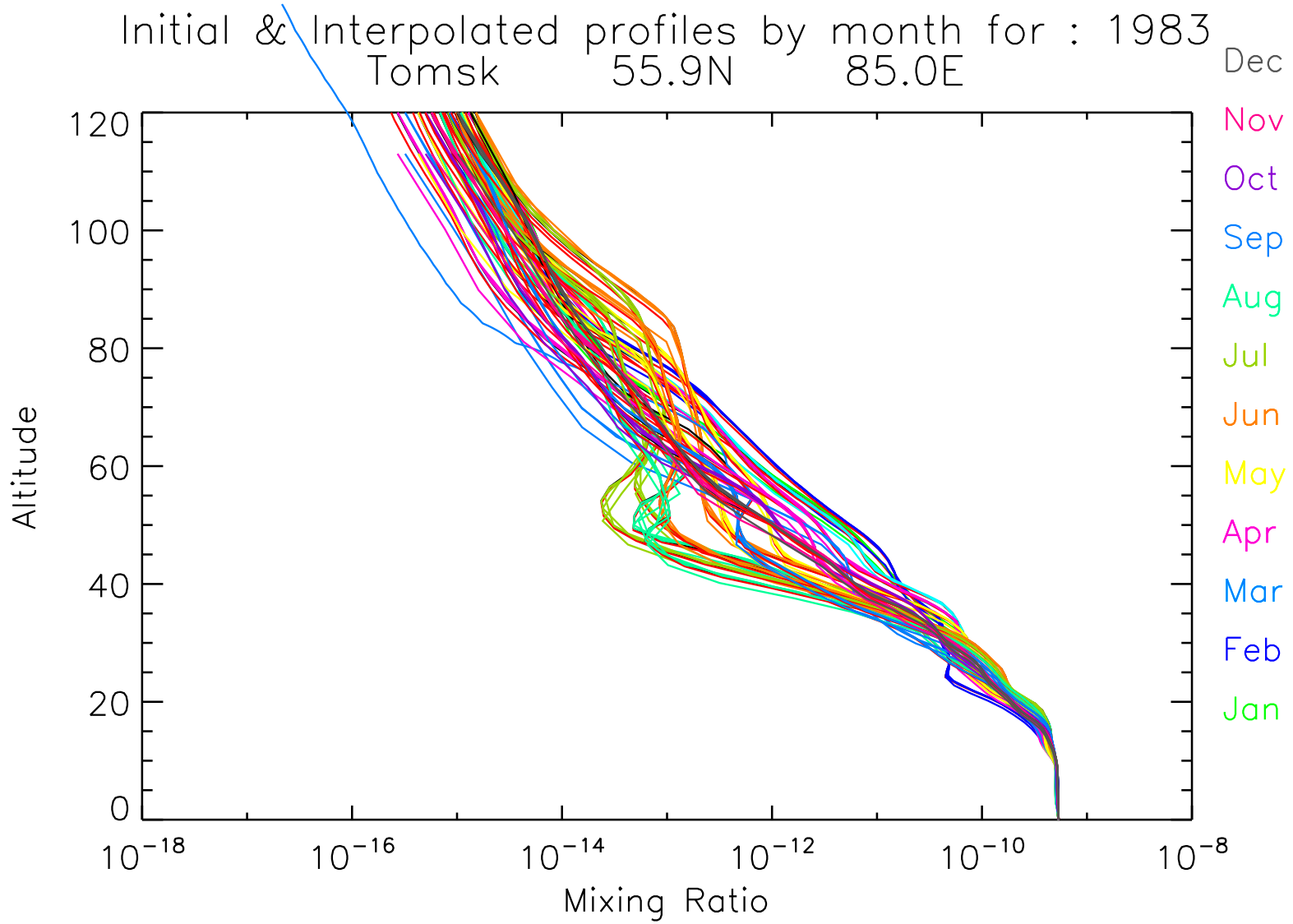
Initial & Interpolated profiles by month for : 1983
Tomsk 55.9N 85.0E
Altitude
120
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0
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Mixing Ratio
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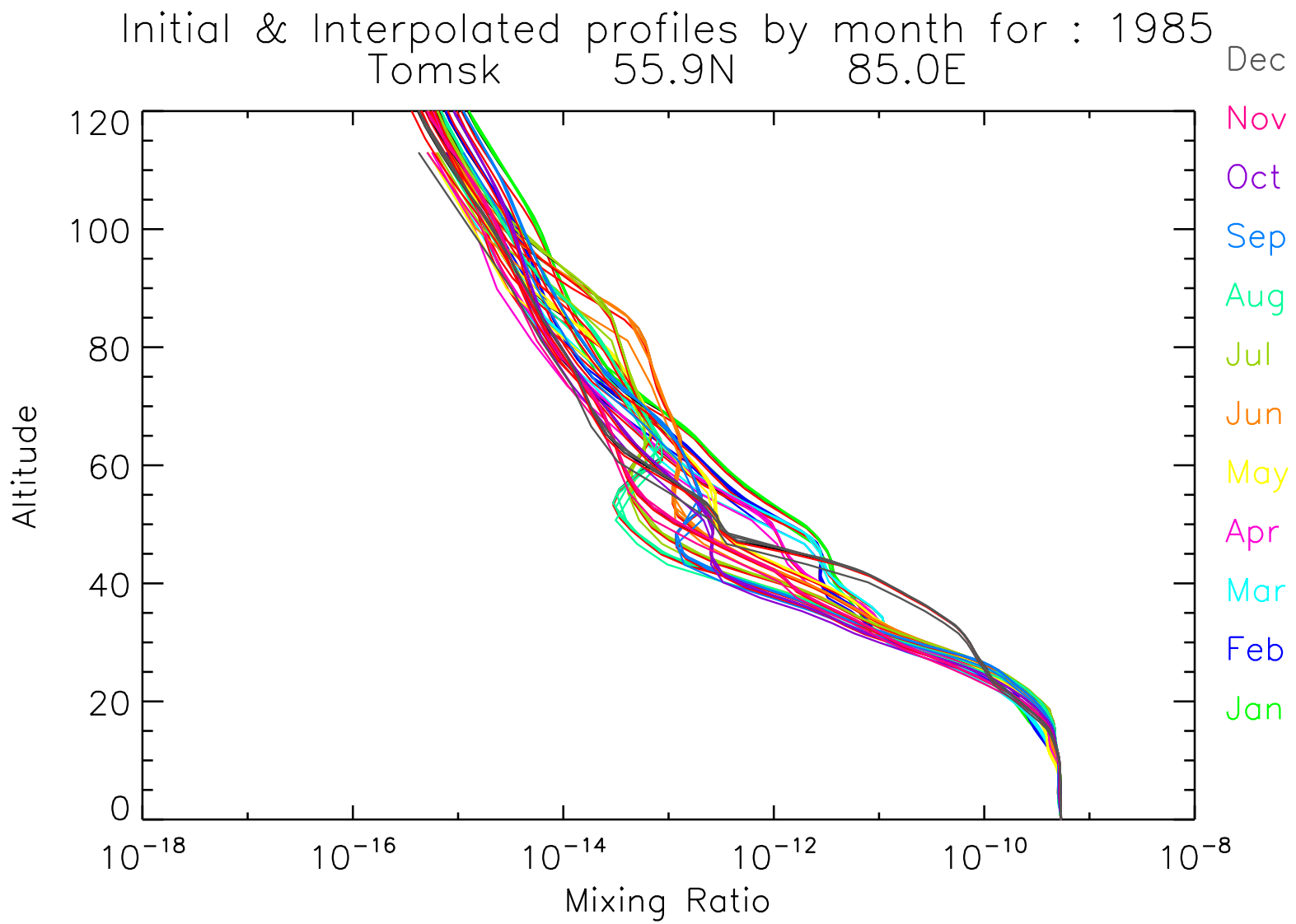
Initial & Interpolated profiles by month for : 1985
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Dec
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120
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Altitude
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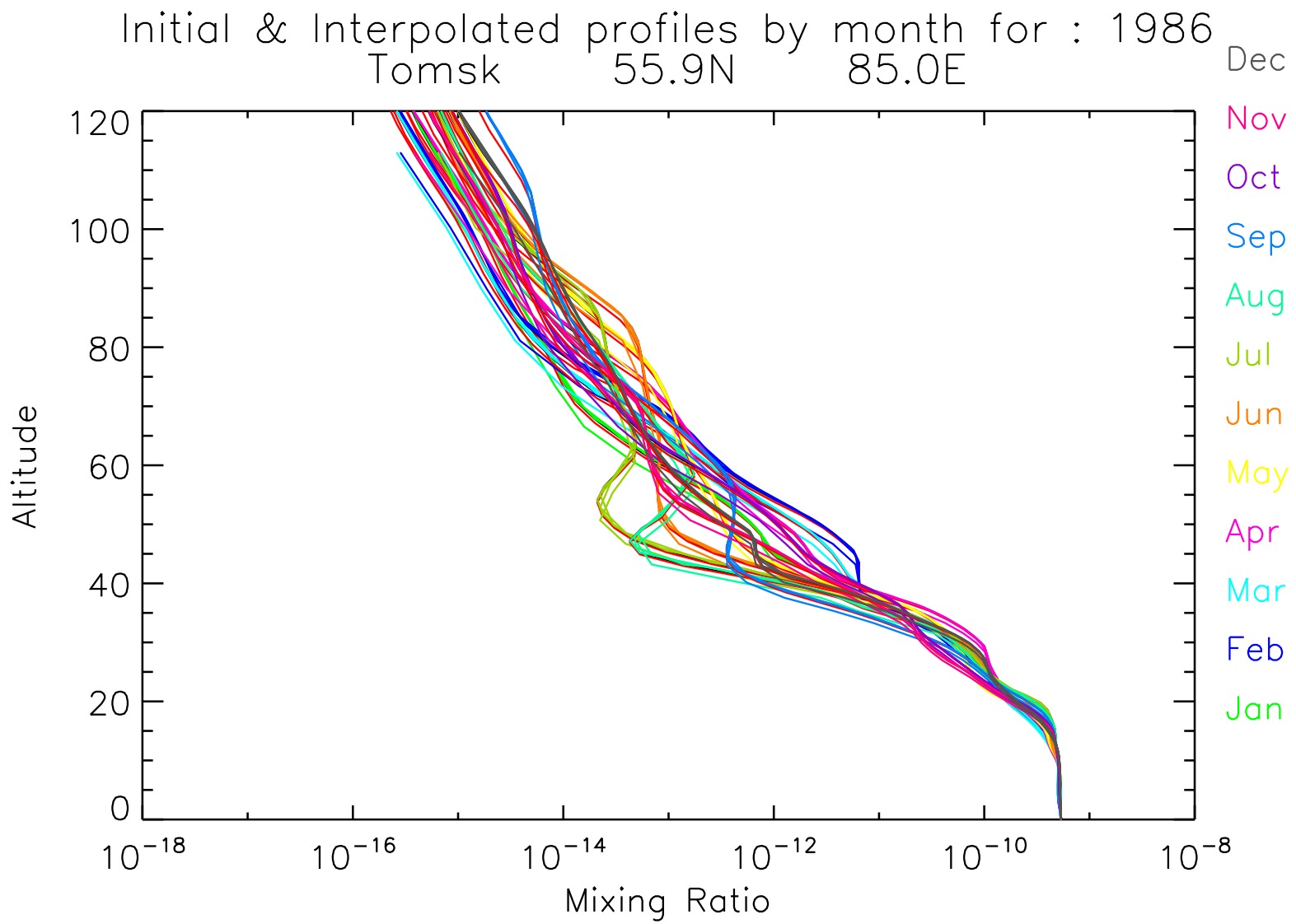
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Tomsk 55.9N 85.0E
Altitude
120
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10^{-18}
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Mixing Ratio
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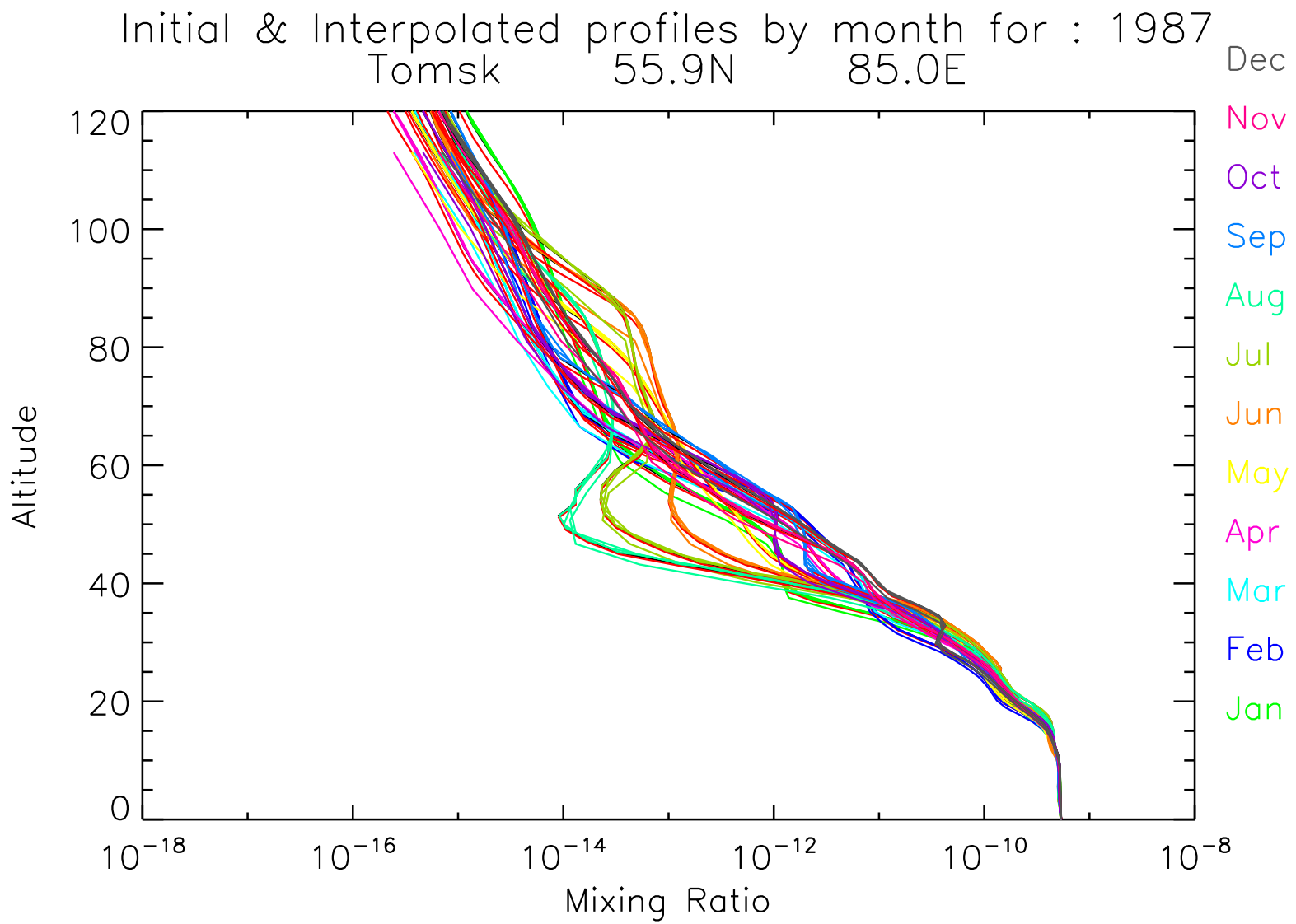
Initial & Interpolated profiles by month for : 1987
Tomsk 55.9N 85.0E
Altitude
120
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10^{-18}
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Mixing Ratio
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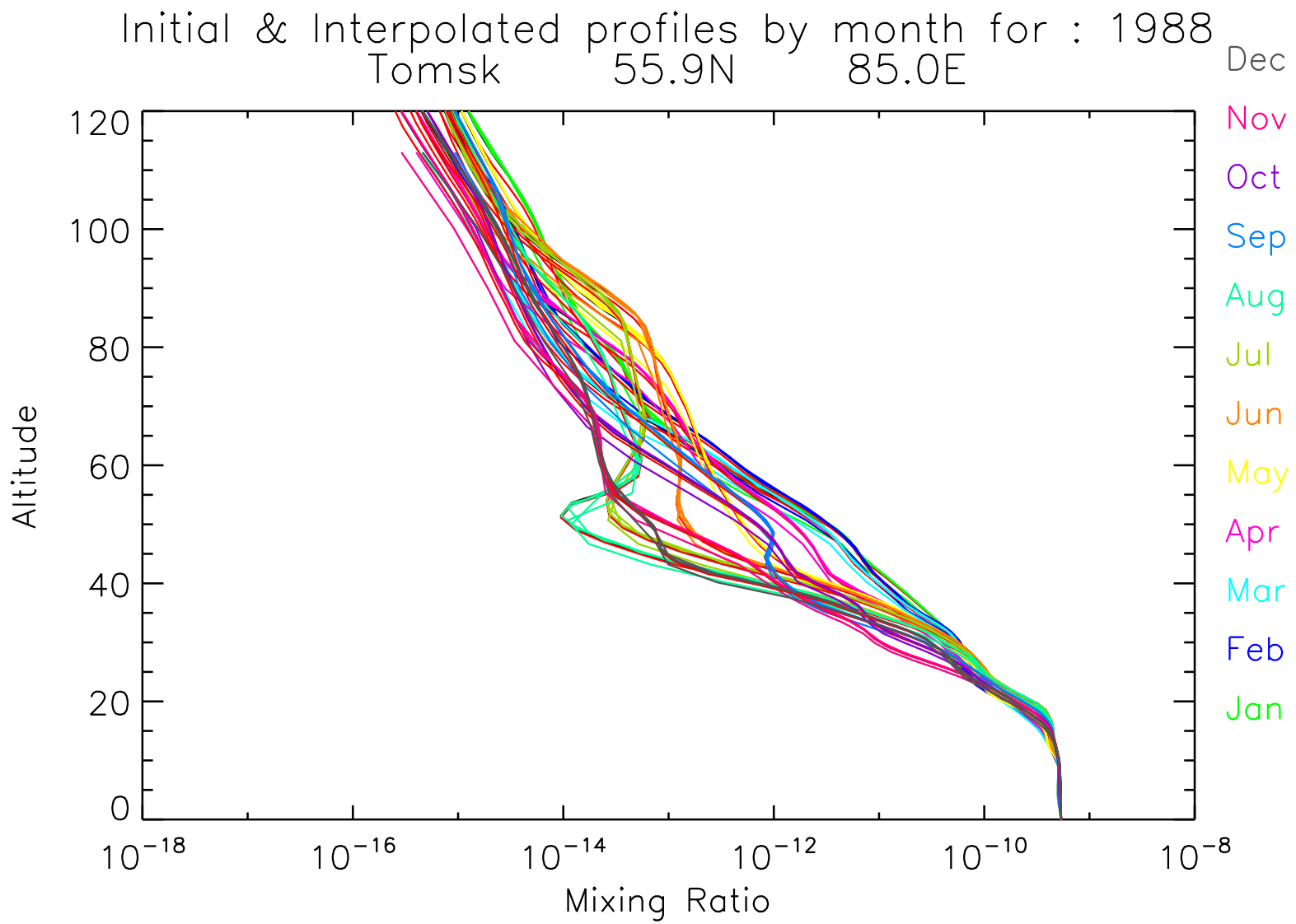
Initial & Interpolated profiles by month for : 1988
Tomsk 55.9N 85.0E
Altitude
120
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10^{-18}
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Mixing Ratio
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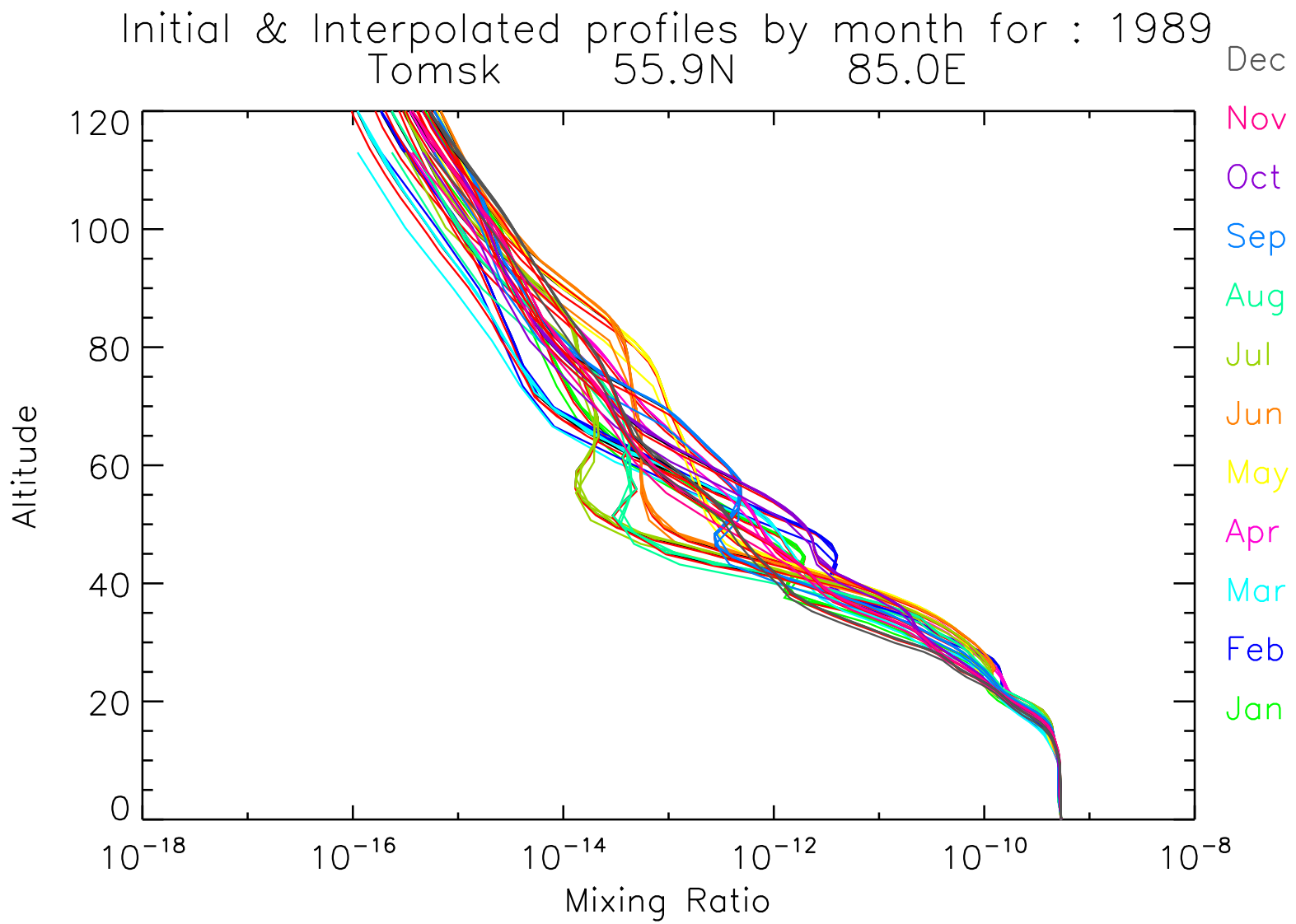
Initial & Interpolated profiles by month for : 1989
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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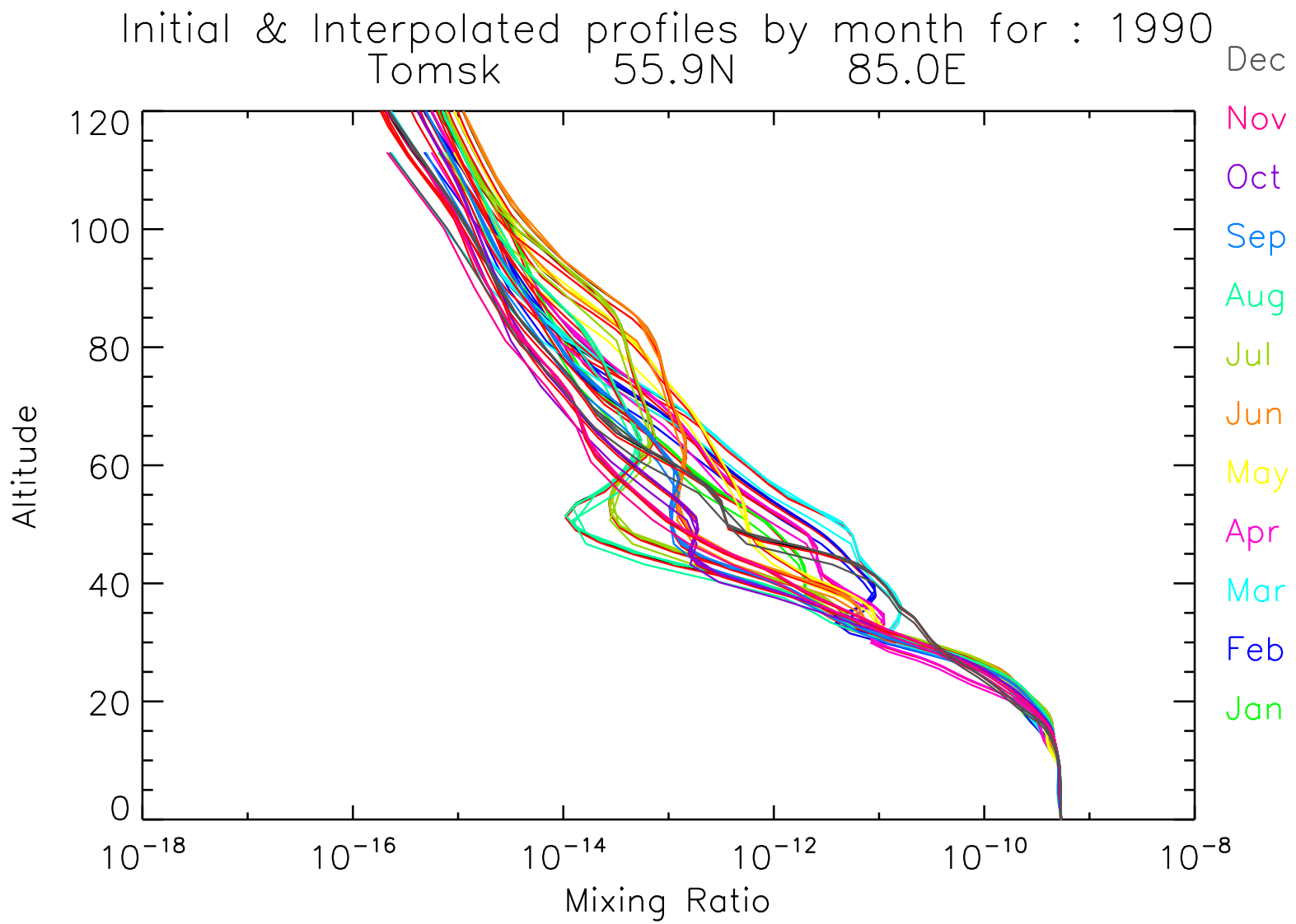
Initial & Interpolated profiles by month for : 1990
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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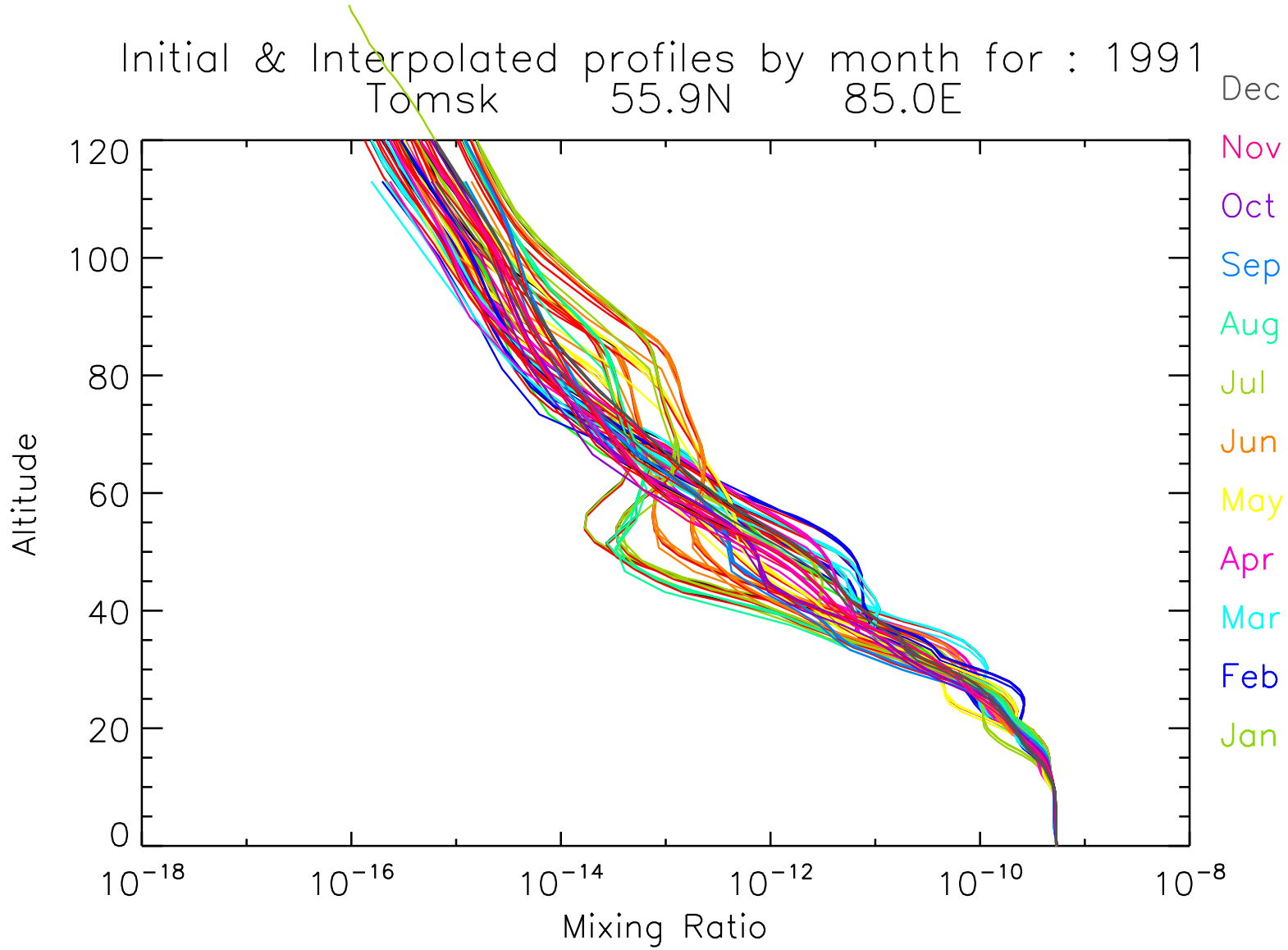
Initial & Interpolated profiles by month for : 1991
Tomsk 55.9N 85.0E
Altitude
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10^{-18}
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Mixing Ratio
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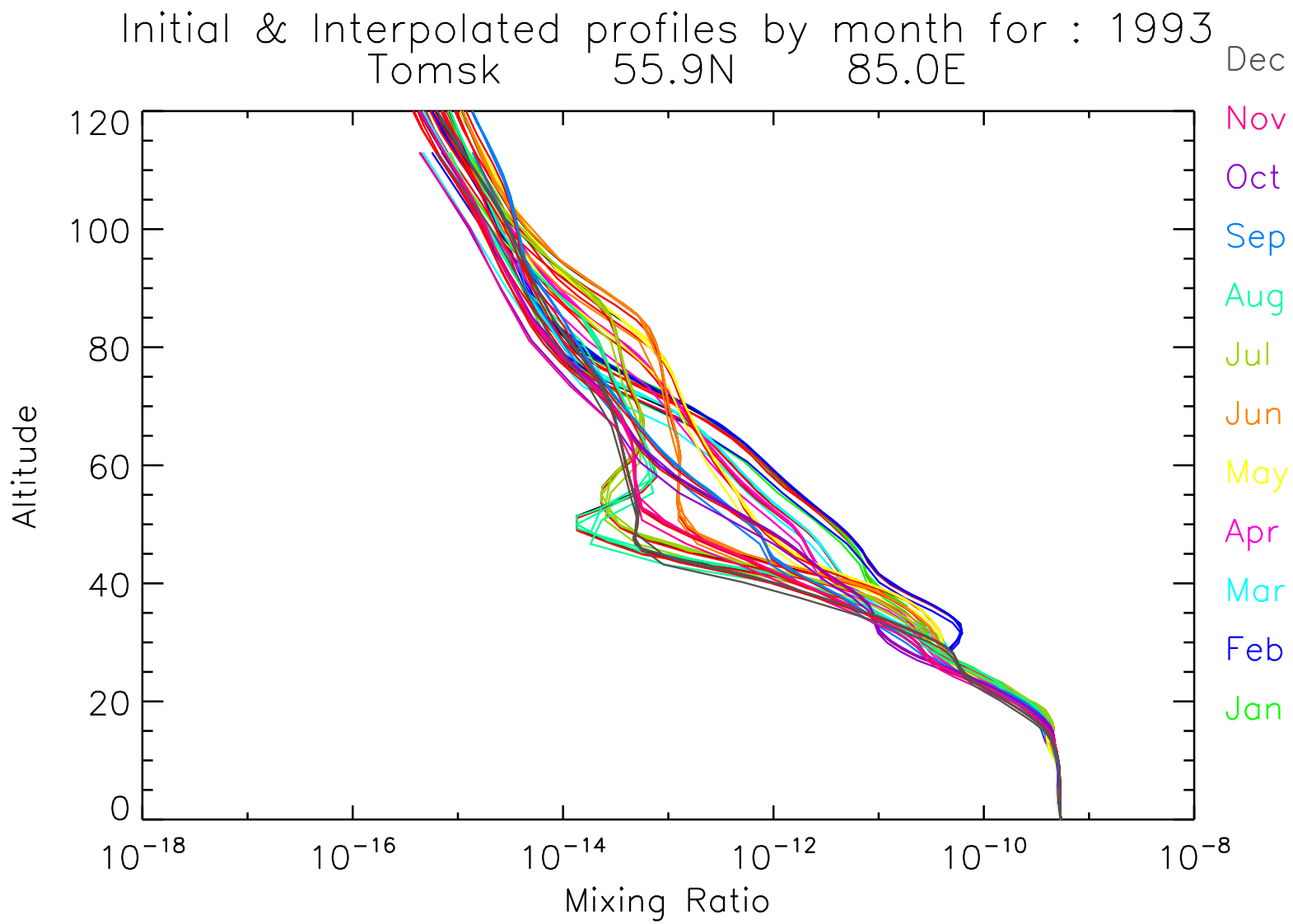
Initial & Interpolated profiles by month for : 1993
Tomsk 55.9N 85.0E
Altitude
120
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Mixing Ratio
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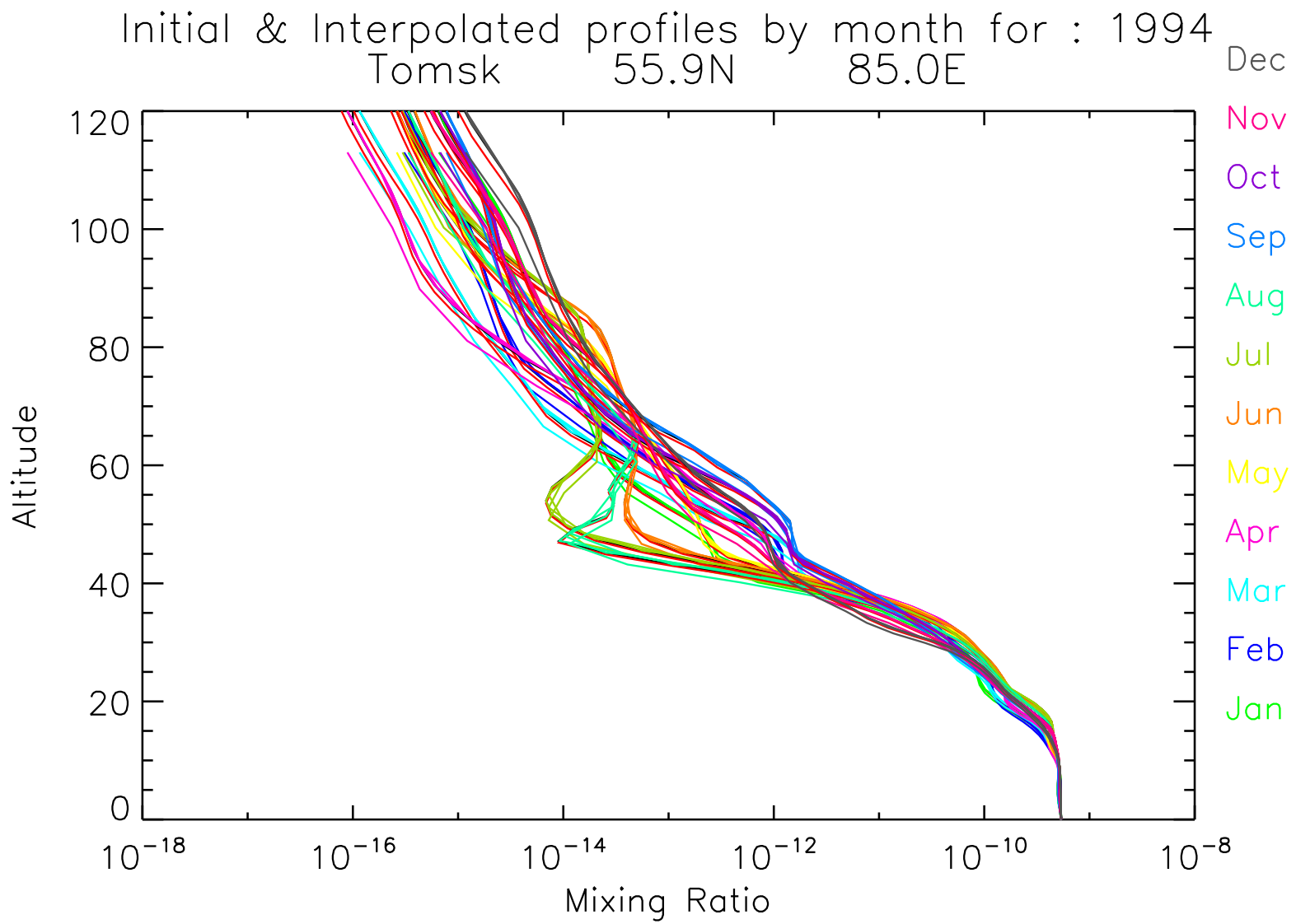
Initial & Interpolated profiles by month for : 1994
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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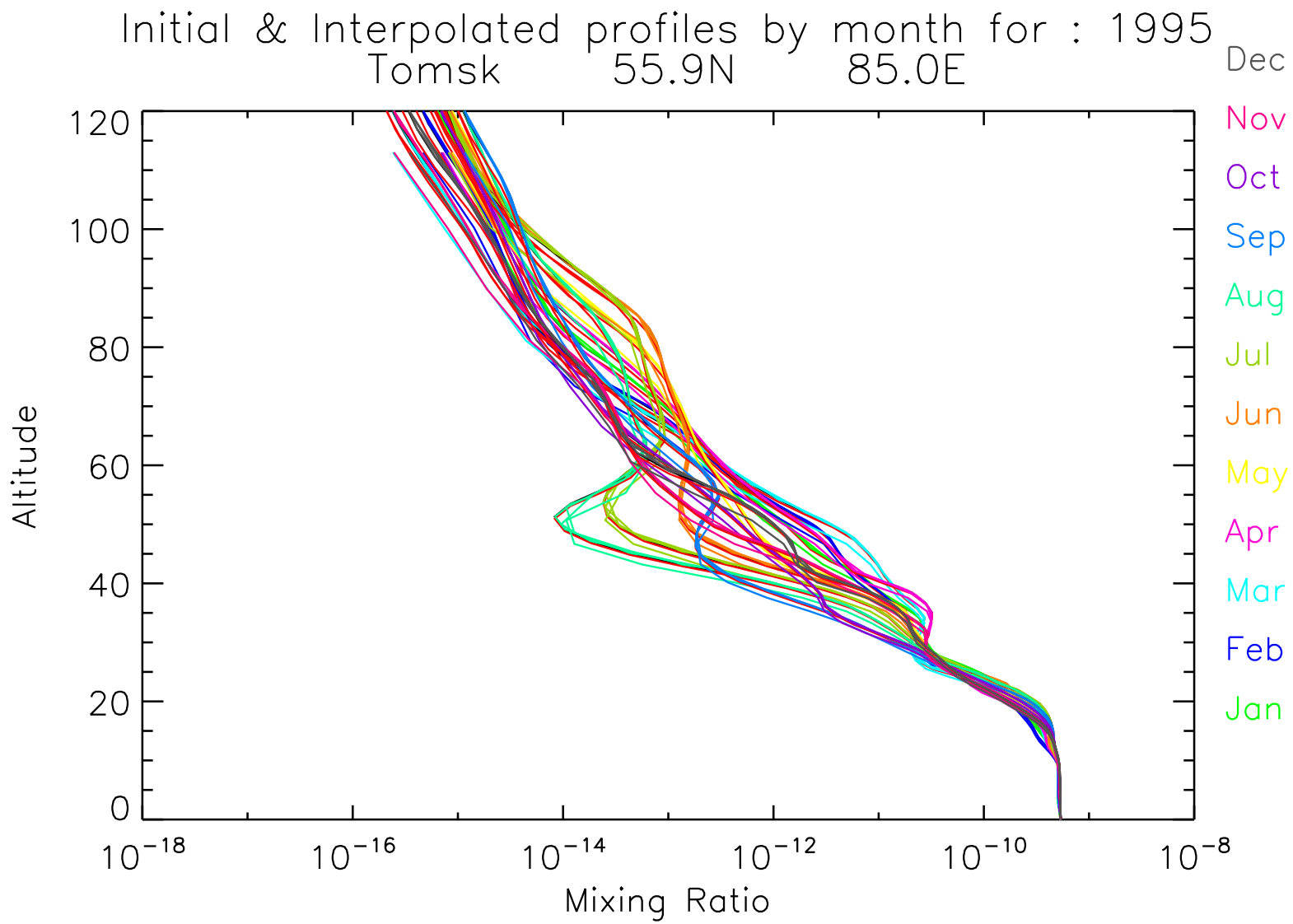
Initial & Interpolated profiles by month for : 1995
Tomsk 55.9N 85.0E
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Altitude
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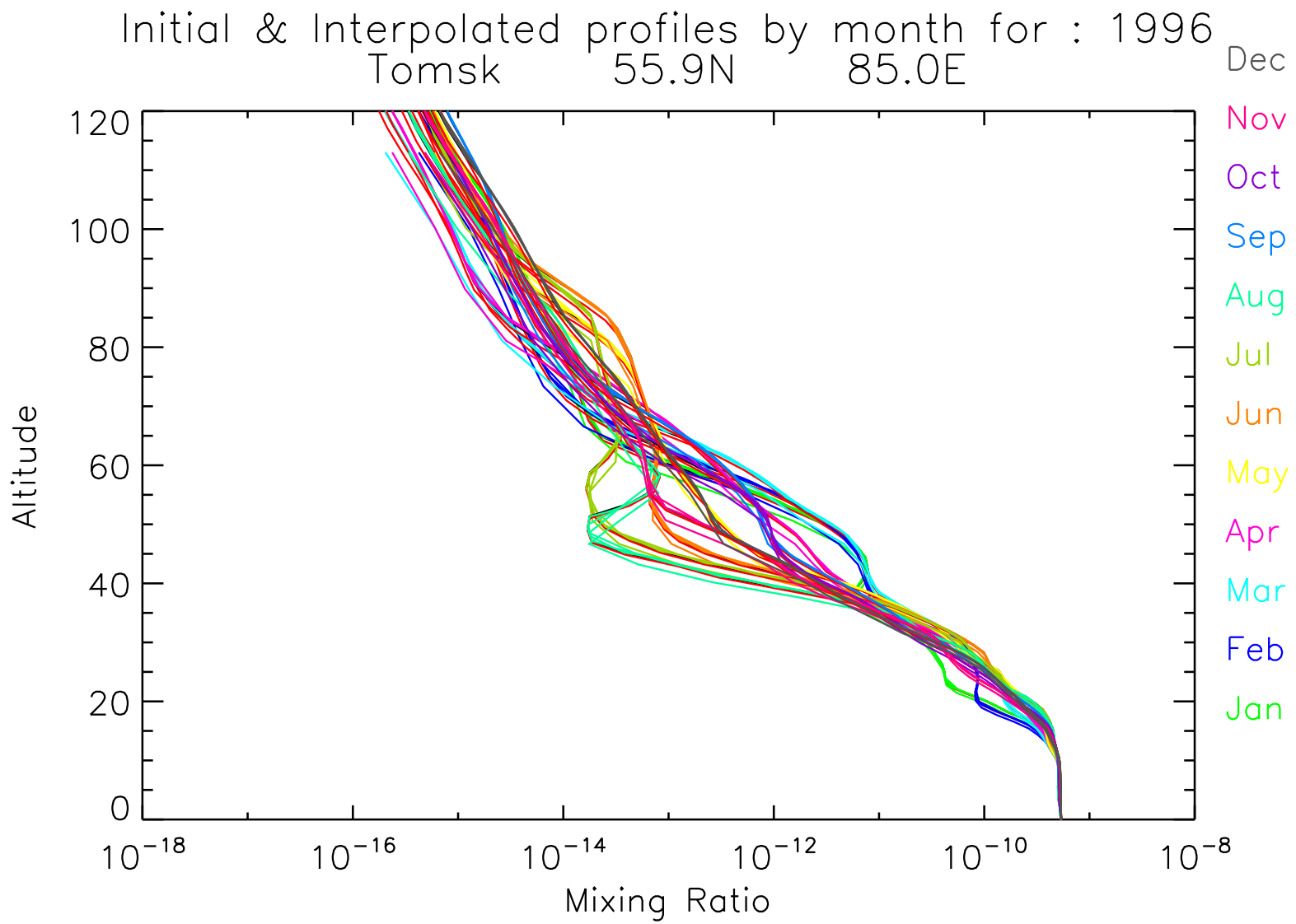
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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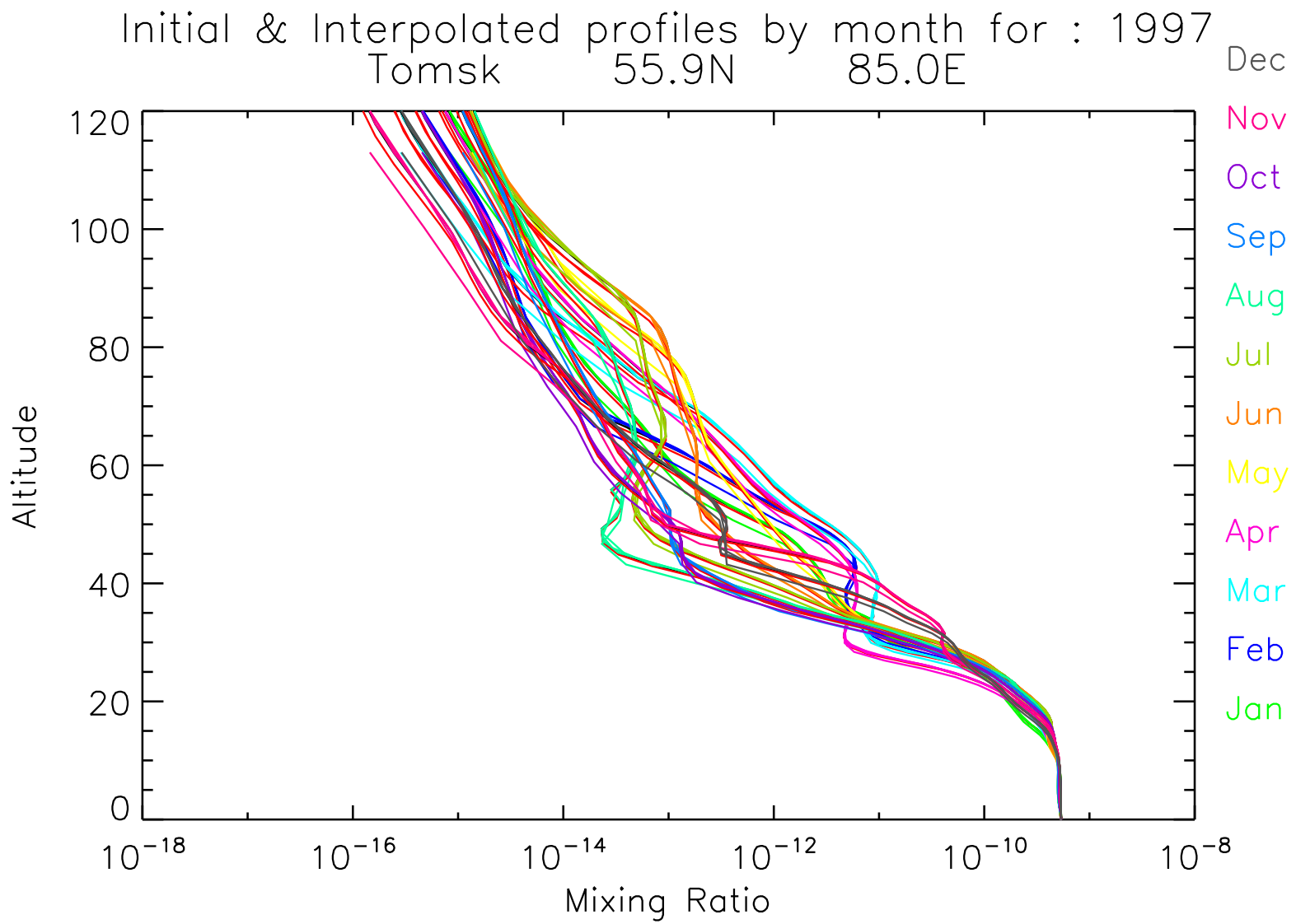
Initial & Interpolated profiles by month for : 1997
Tomsk 55.9N 85.0E
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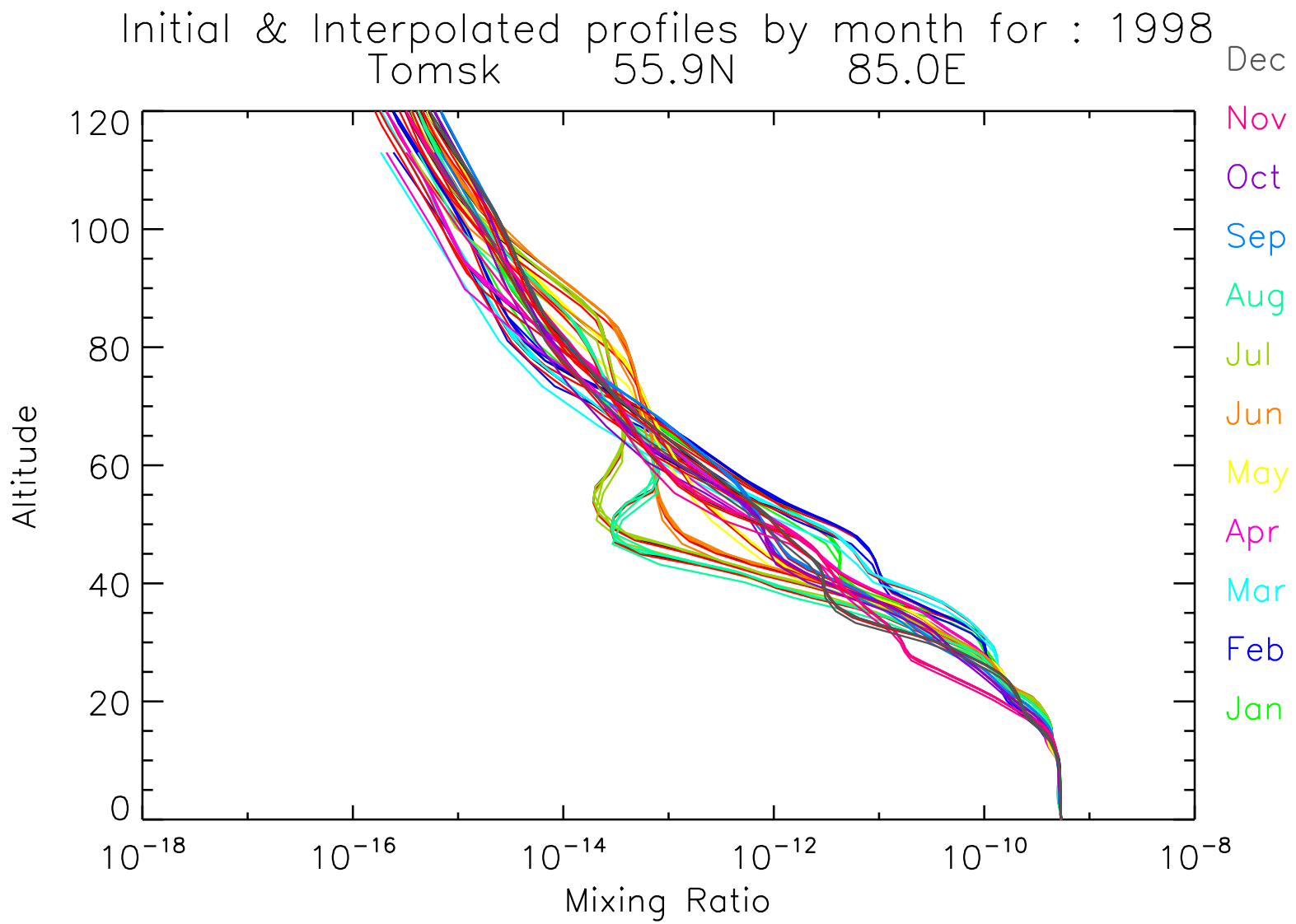
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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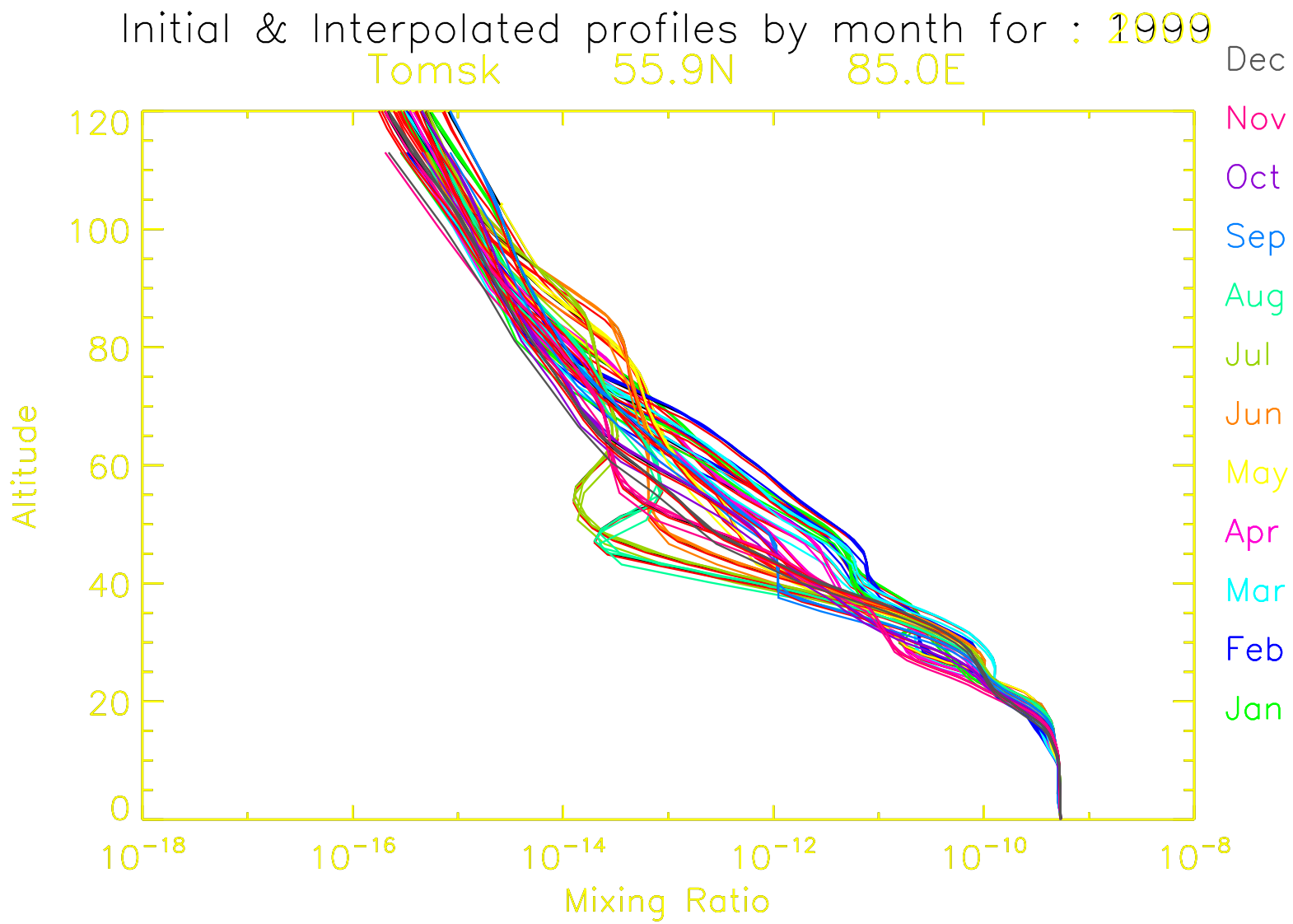
Initial & Interpolated profiles by month for : 1999
Tomsk 55.9N 85.0E
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Altitude
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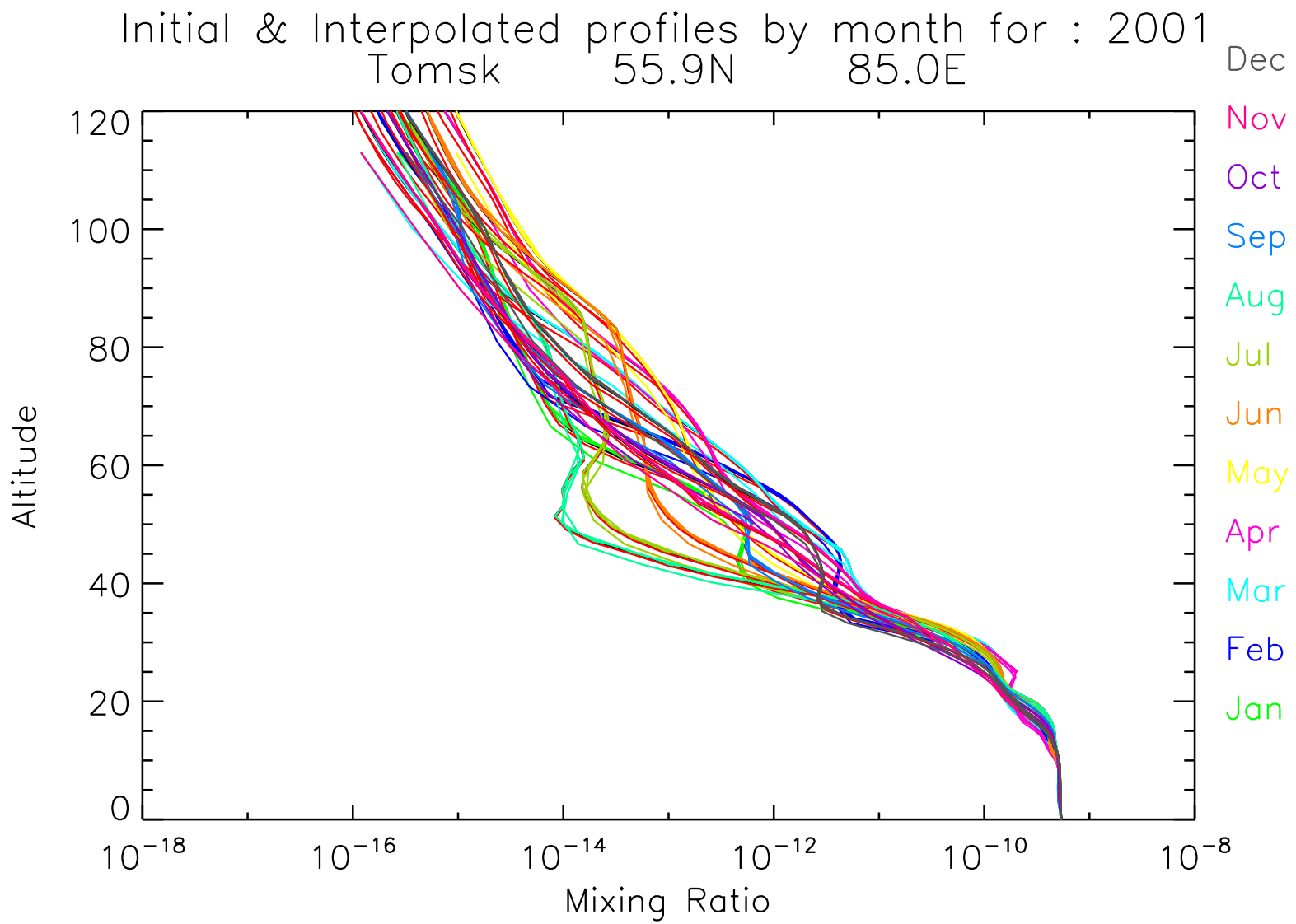
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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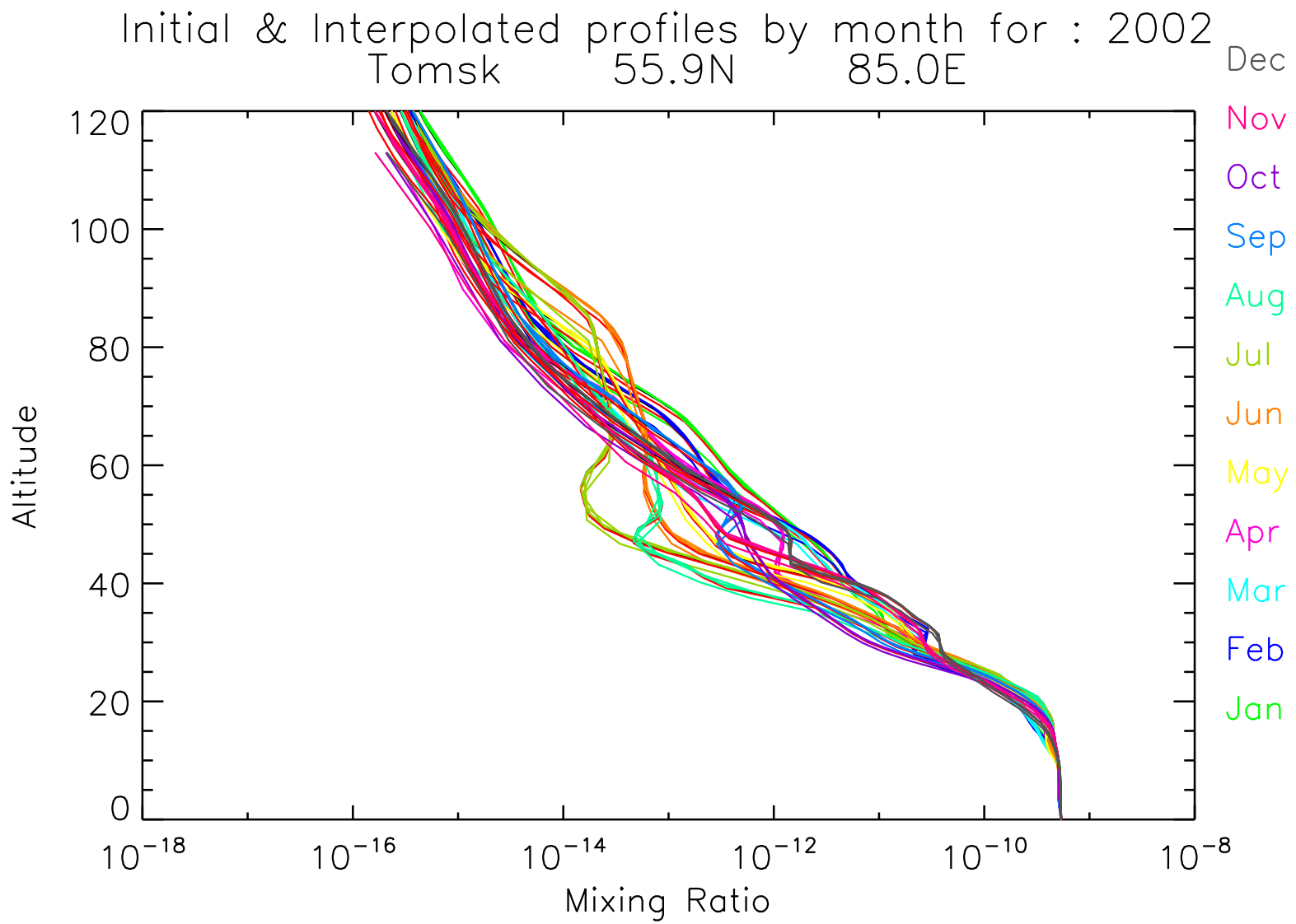
Initial & Interpolated profiles by month for : 2002
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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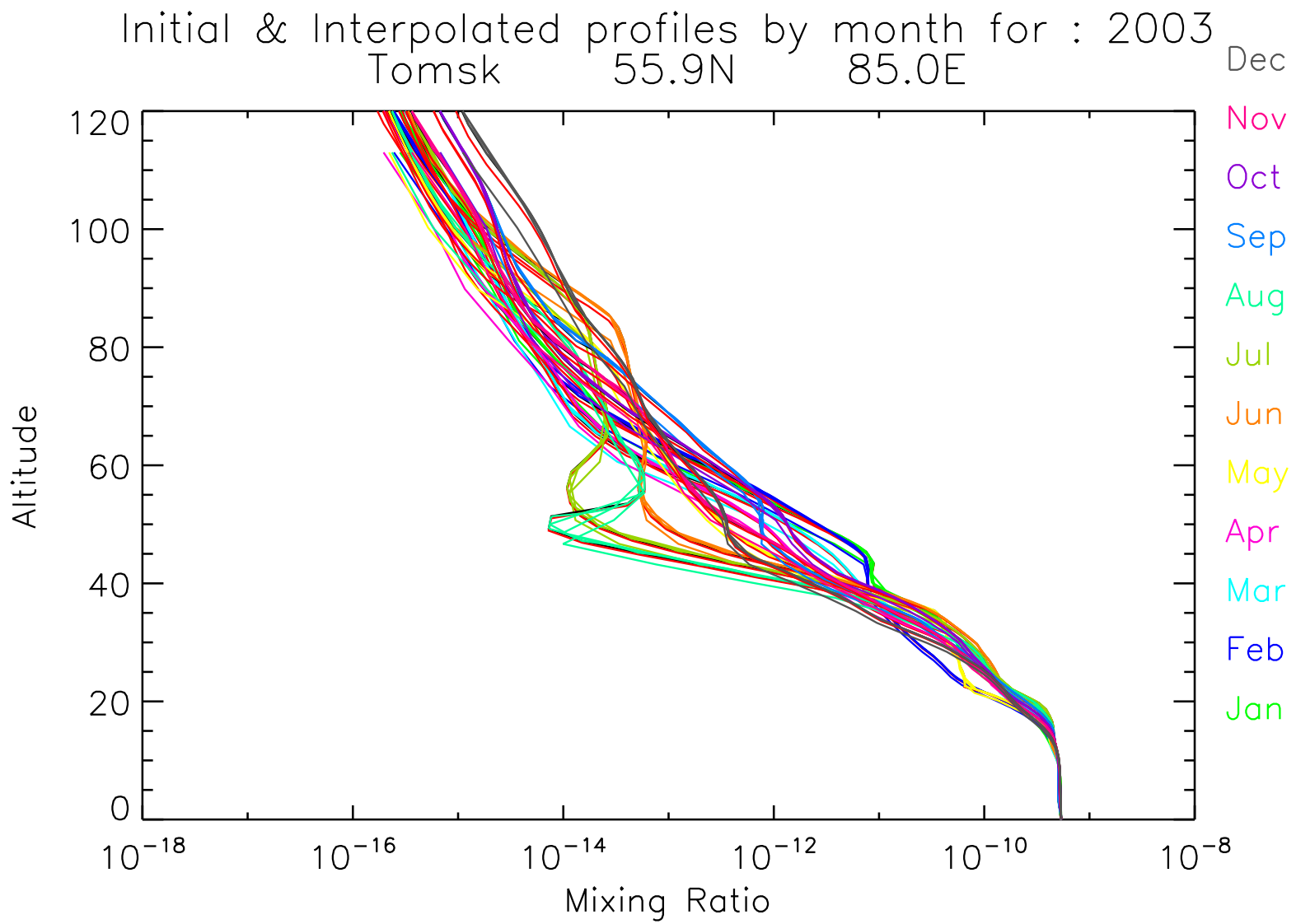
Initial & Interpolated profiles by month for : 2003
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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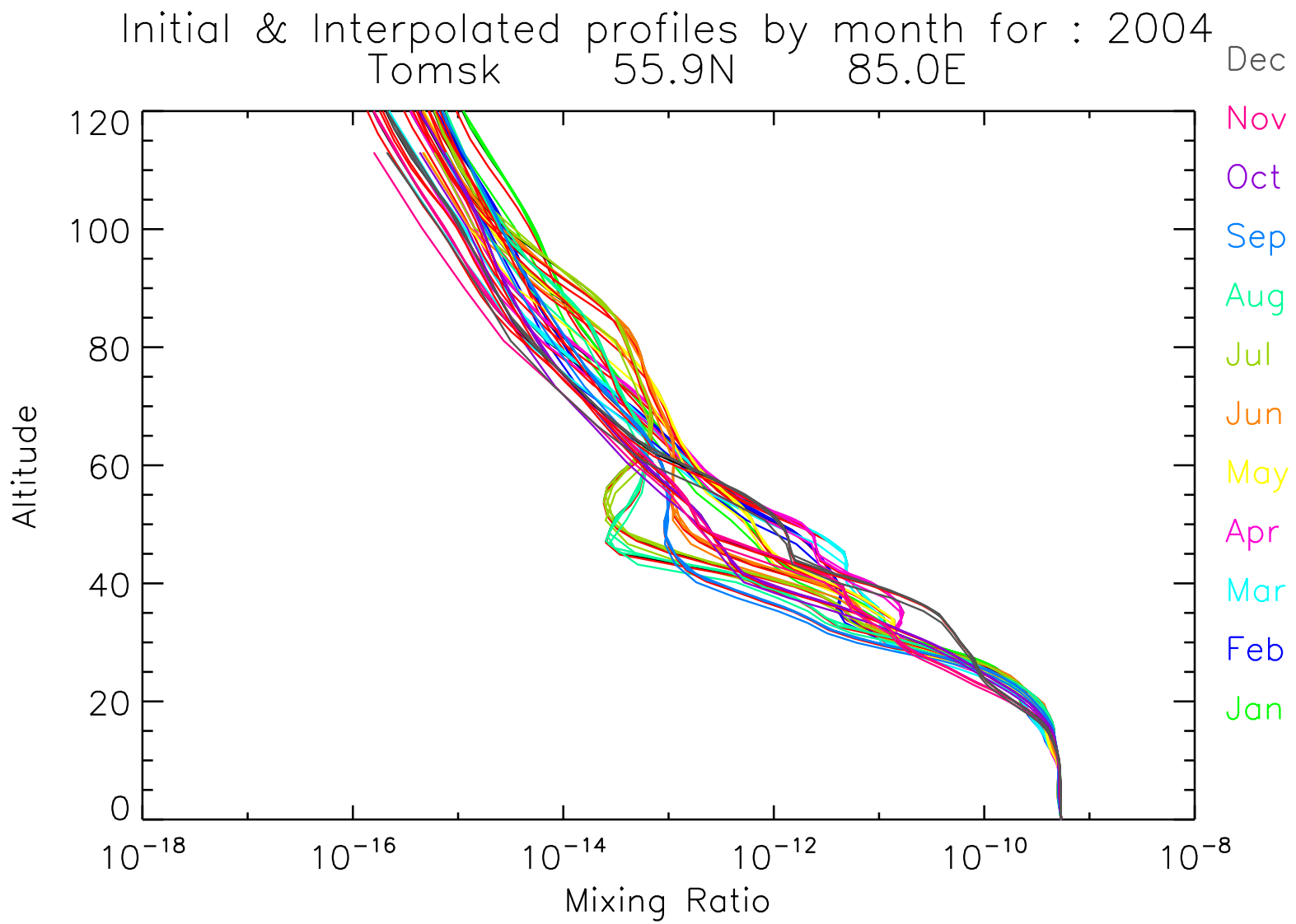
Initial & Interpolated profiles by month for : 2004
Tomsk 55.9N 85.0E
Altitude
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10^{-14}
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10^{-8}
Mixing Ratio
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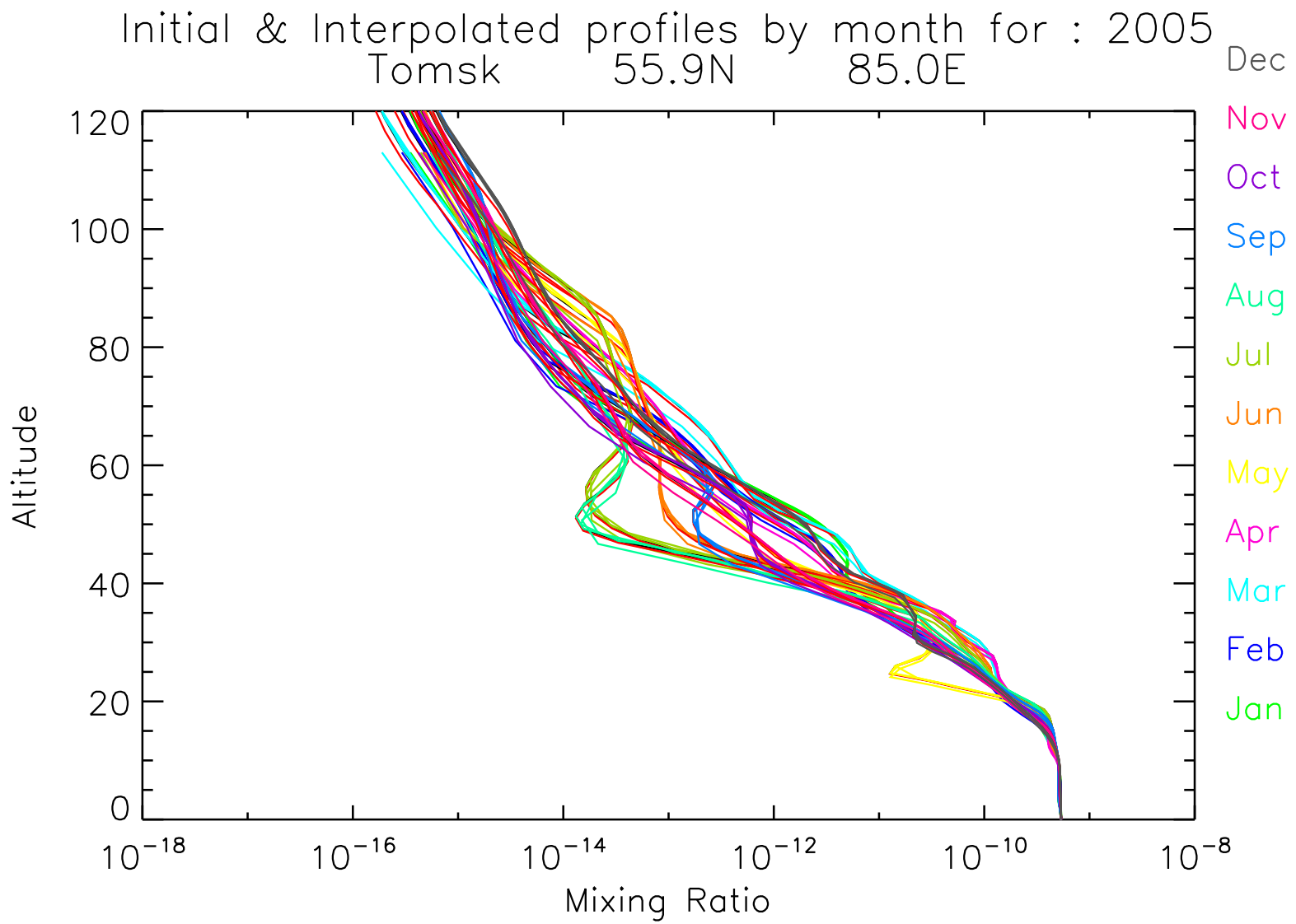
Initial & Interpolated profiles by month for : 2005
Tomsk 55.9N 85.0E
Dec
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120
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Altitude
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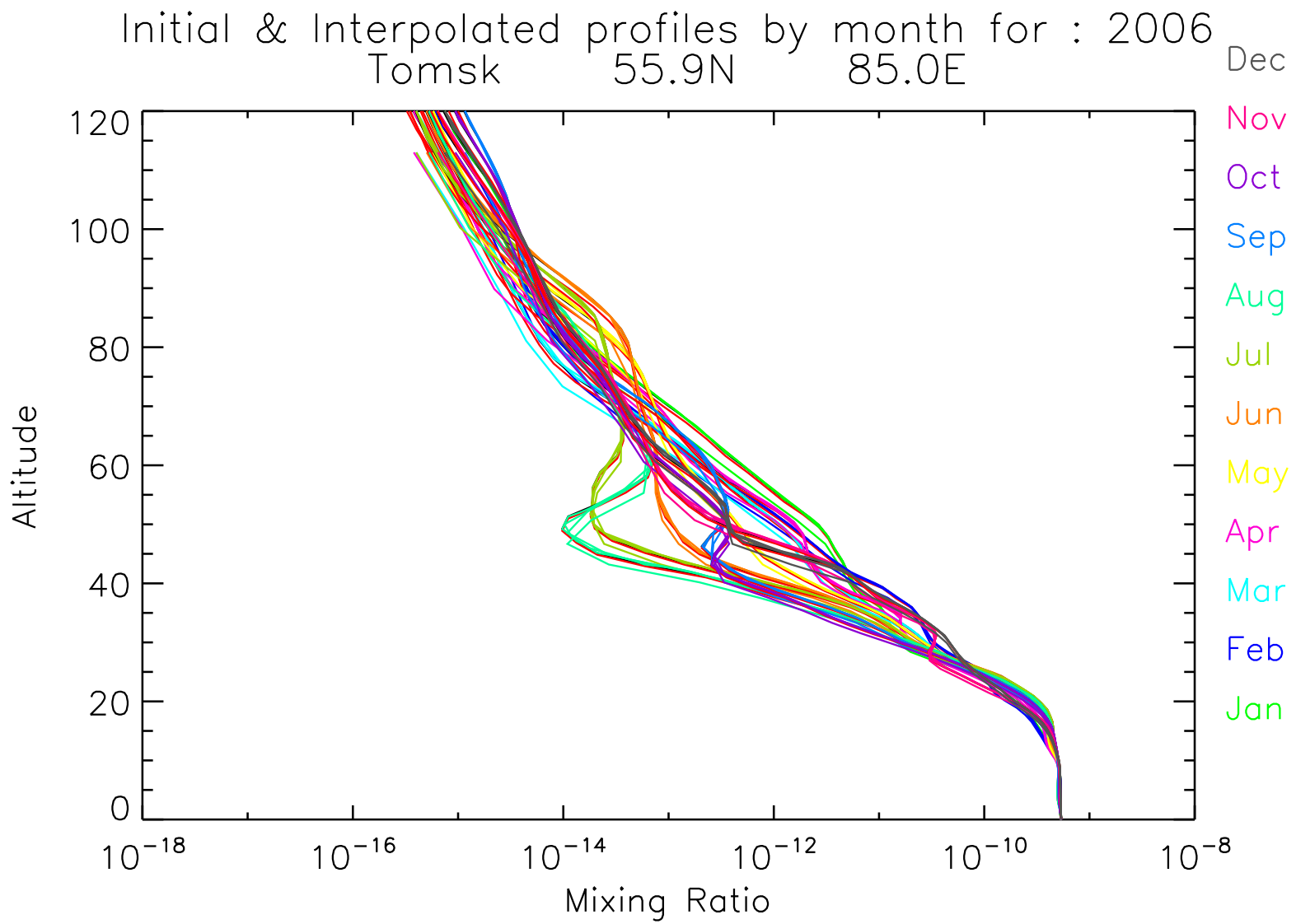
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Tomsk 55.9N 85.0E
Altitude
120
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10^{-18}
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10^{-8}
Mixing Ratio
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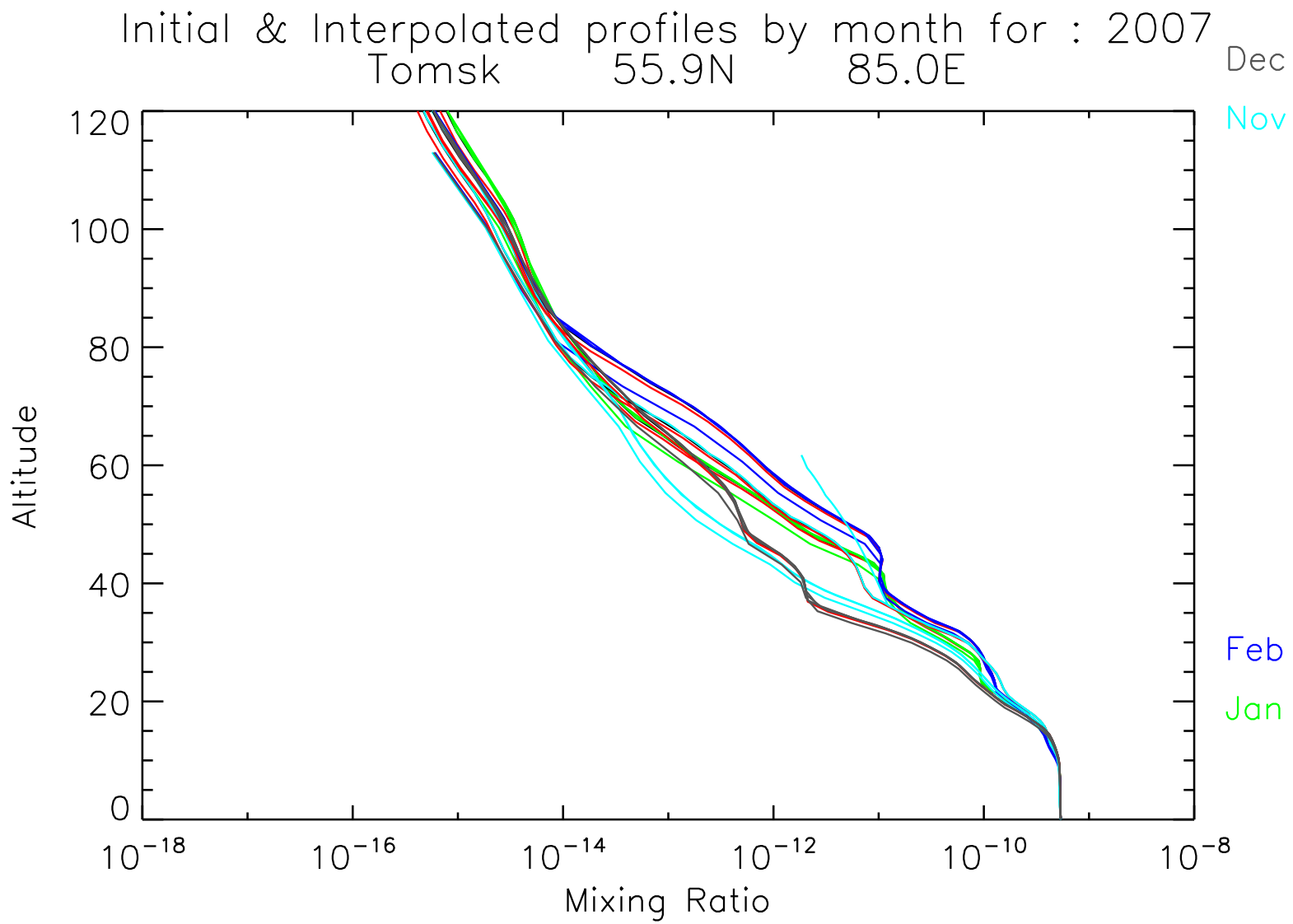
Initial & Interpolated profiles by month for : 2007
Tomsk 55.9N 85.0E
Dec
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Jan
Altitude
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10^{-18}
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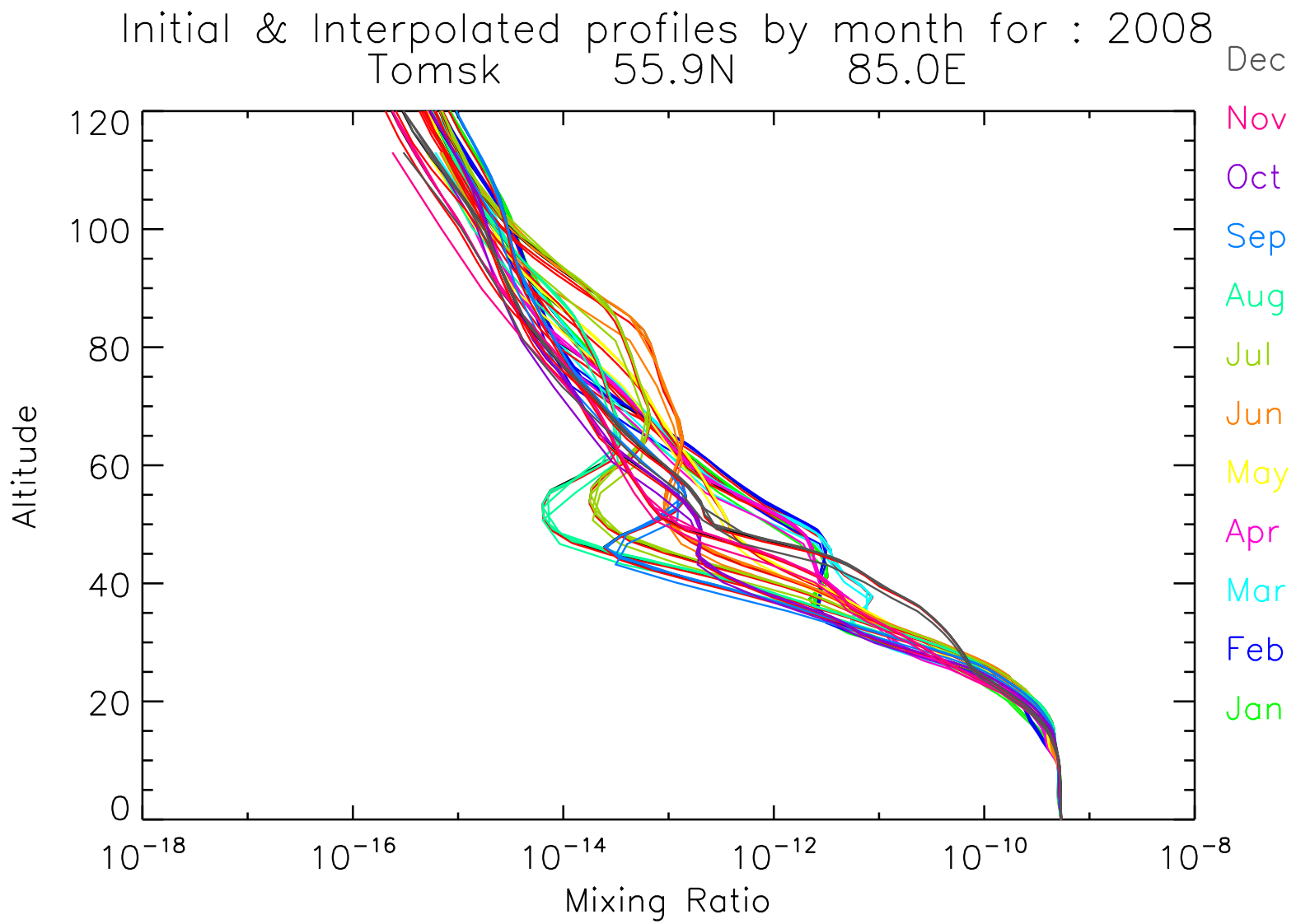
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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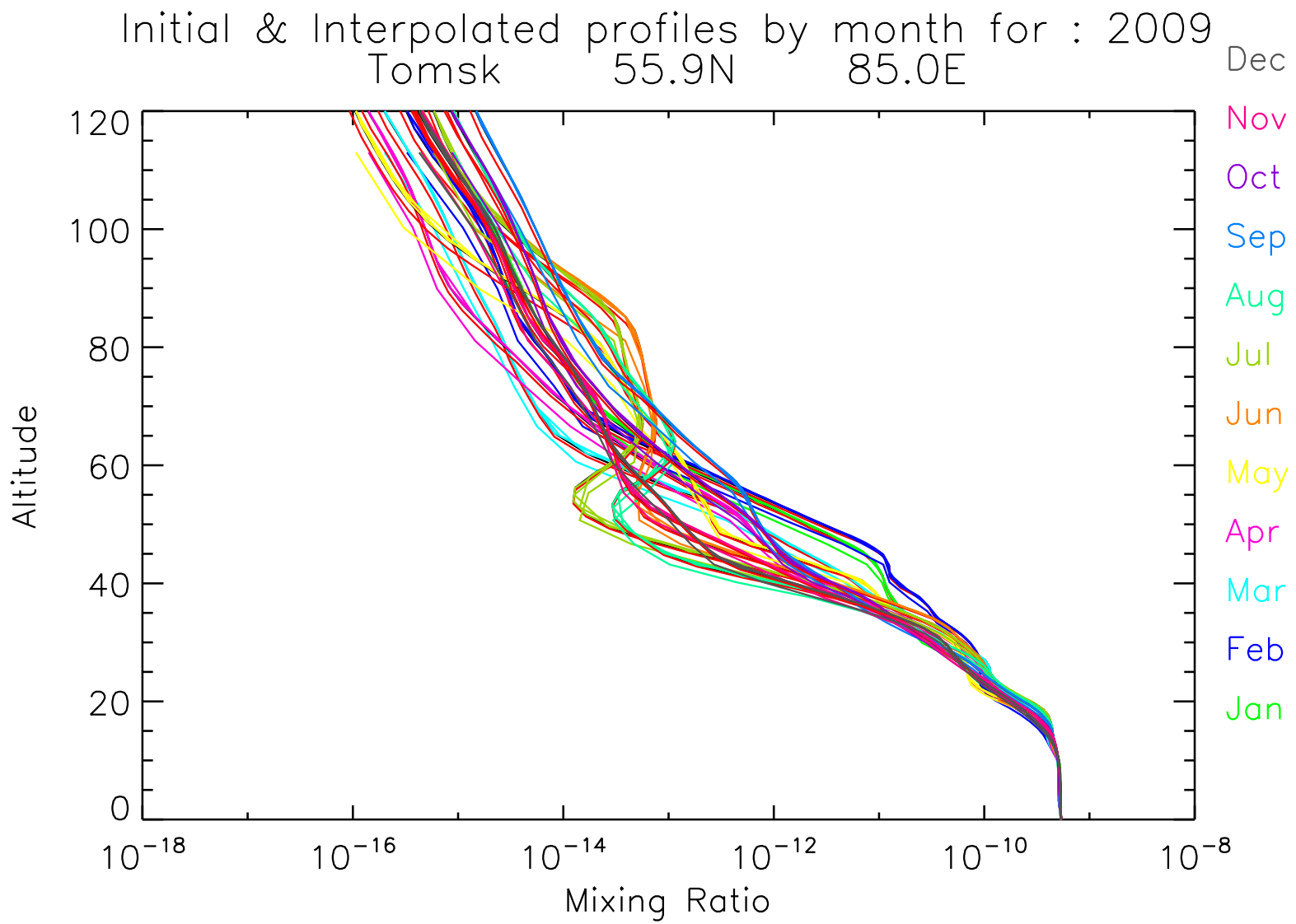
Initial & Interpolated profiles by month for : 2009
Tomsk 55.9N 85.0E
Altitude
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10^{-18}
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Mixing Ratio
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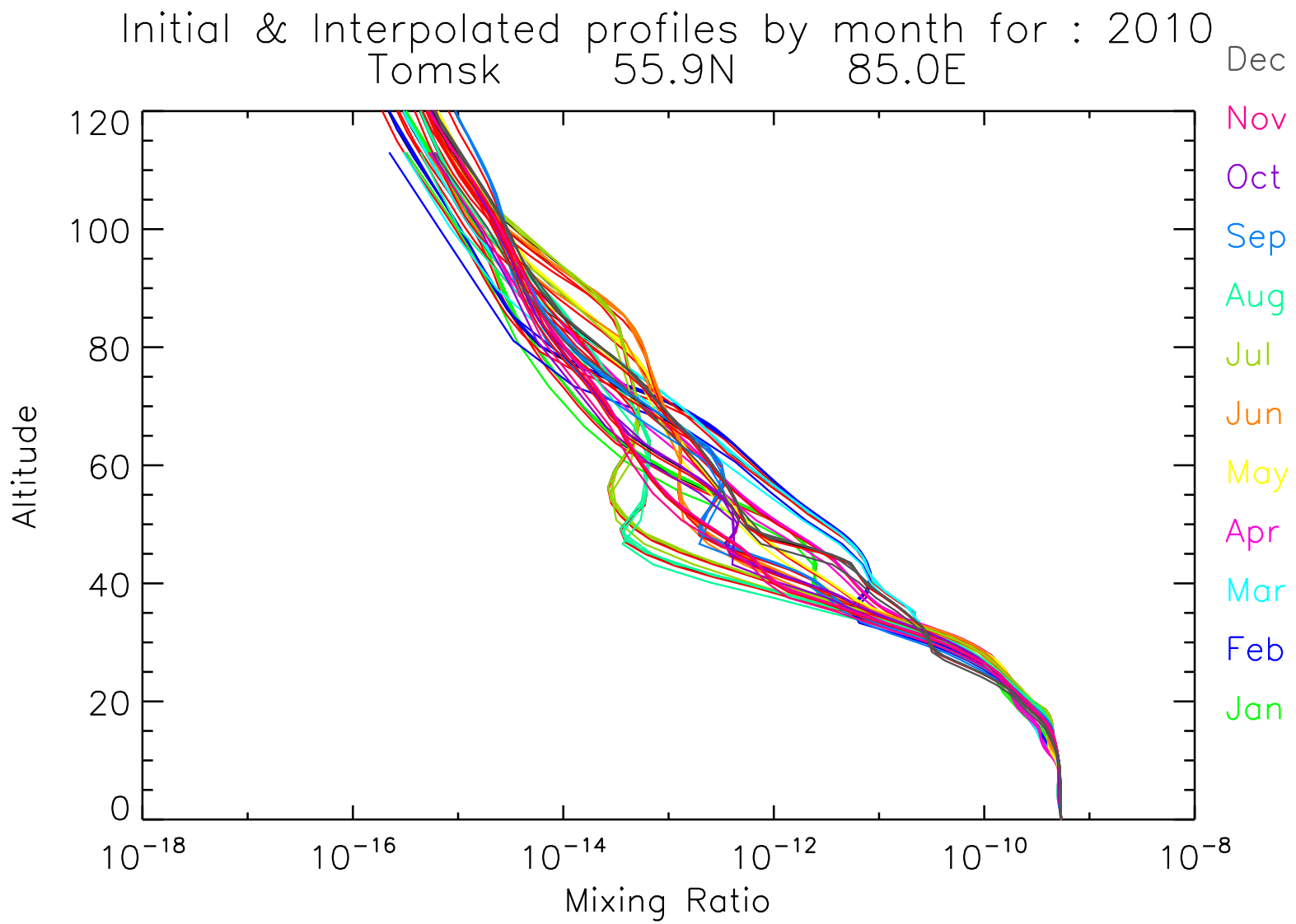
Initial & Interpolated profiles by month for : 2010
Tomsk 55.9N 85.0E
Altitude
120
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Mixing Ratio
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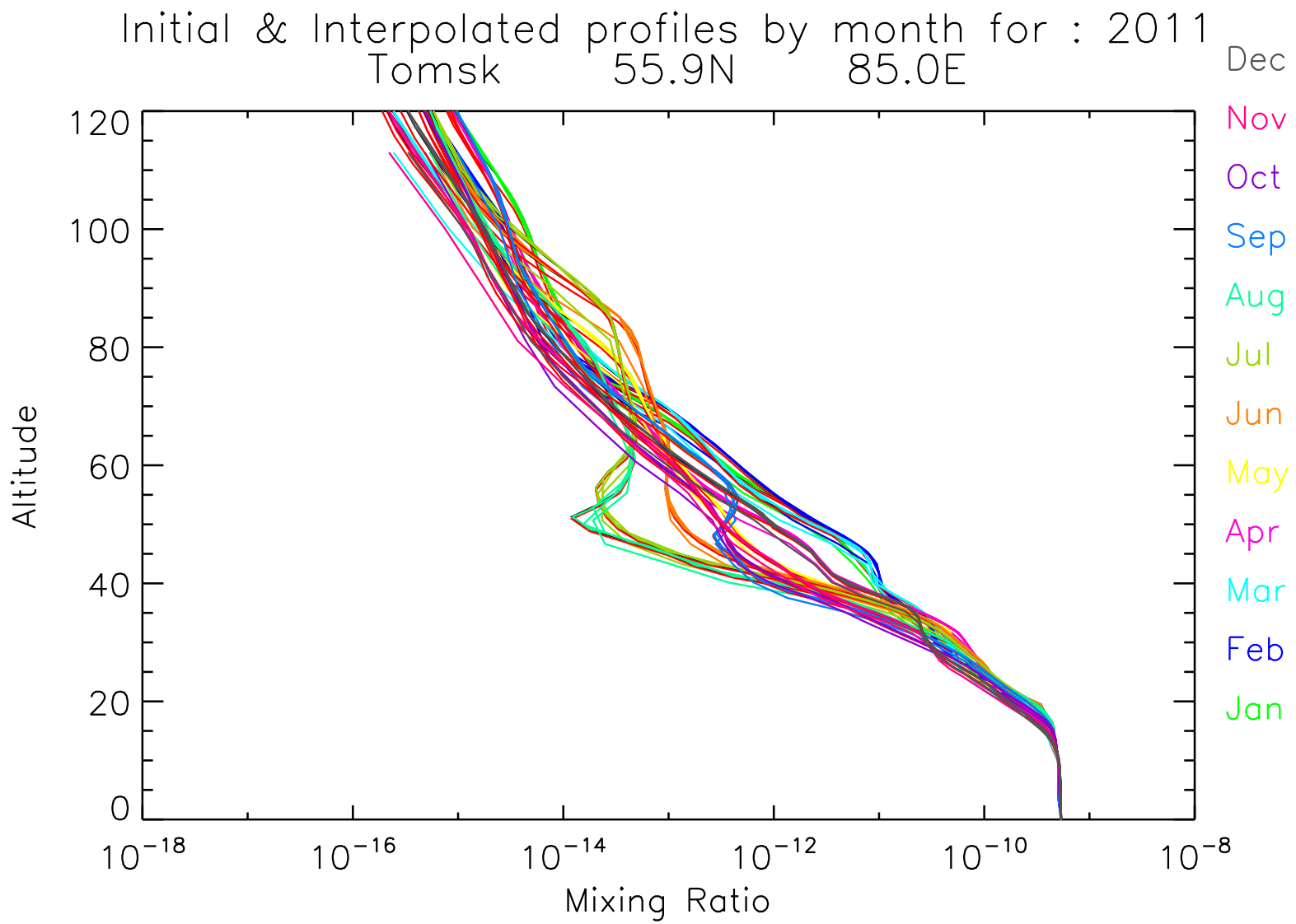
Initial & Interpolated profiles by month for : 2011
Tomsk 55.9N 85.0E
Altitude
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10^{-18}
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Mixing Ratio
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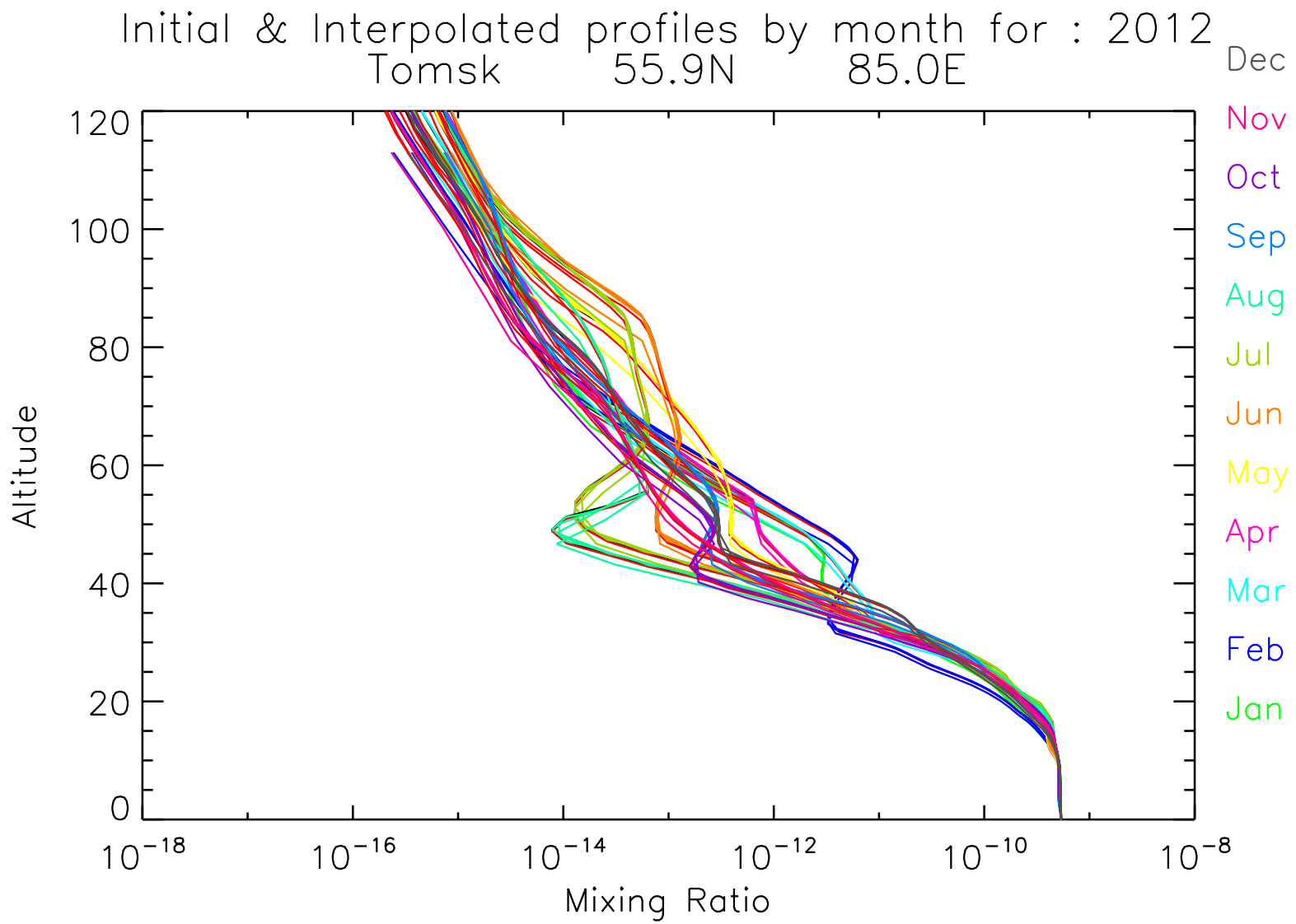
Initial & Interpolated profiles by month for : 2012
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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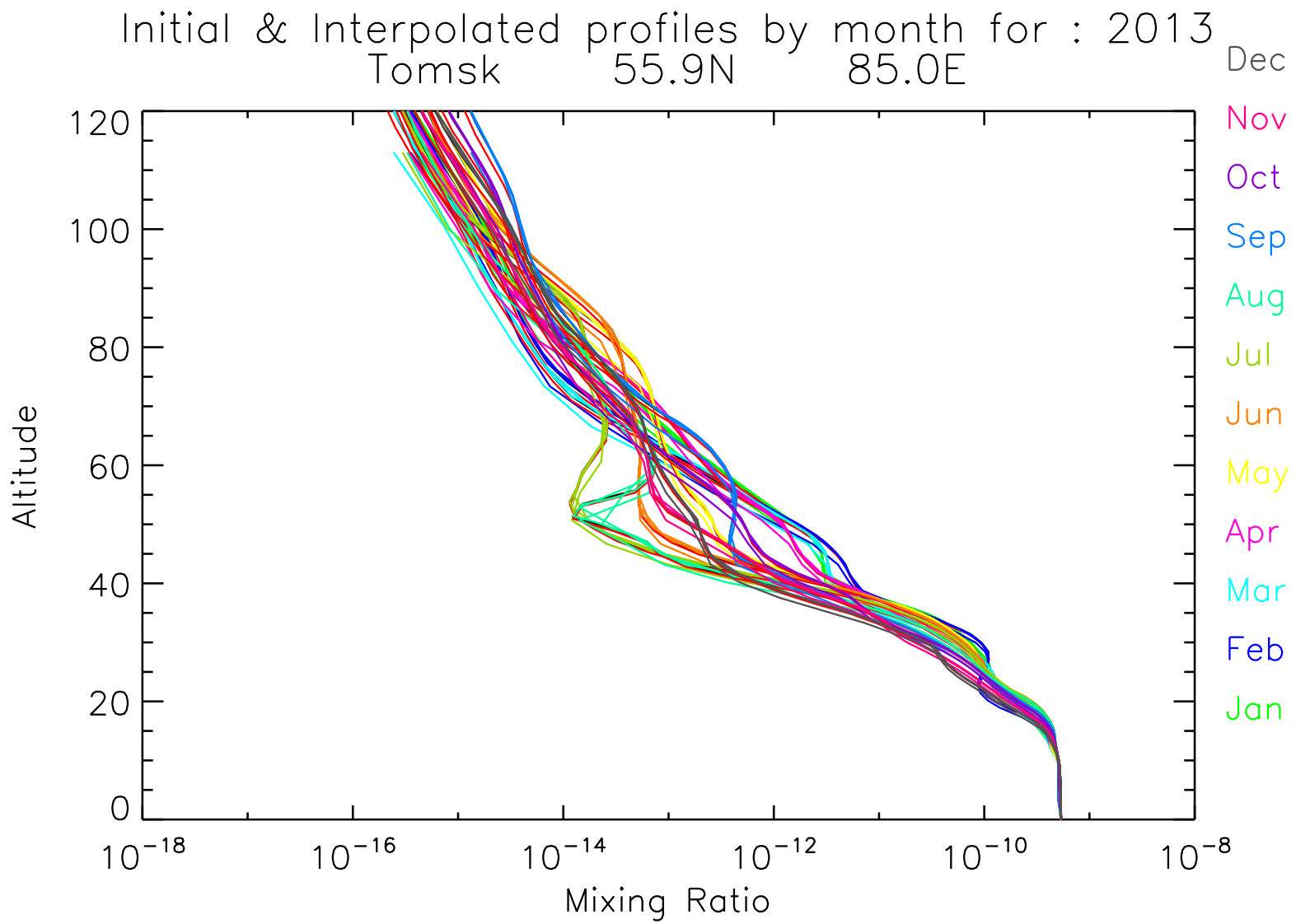
Initial & Interpolated profiles by month for : 2013
Tomsk 55.9N 85.0E
Altitude
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Mixing Ratio
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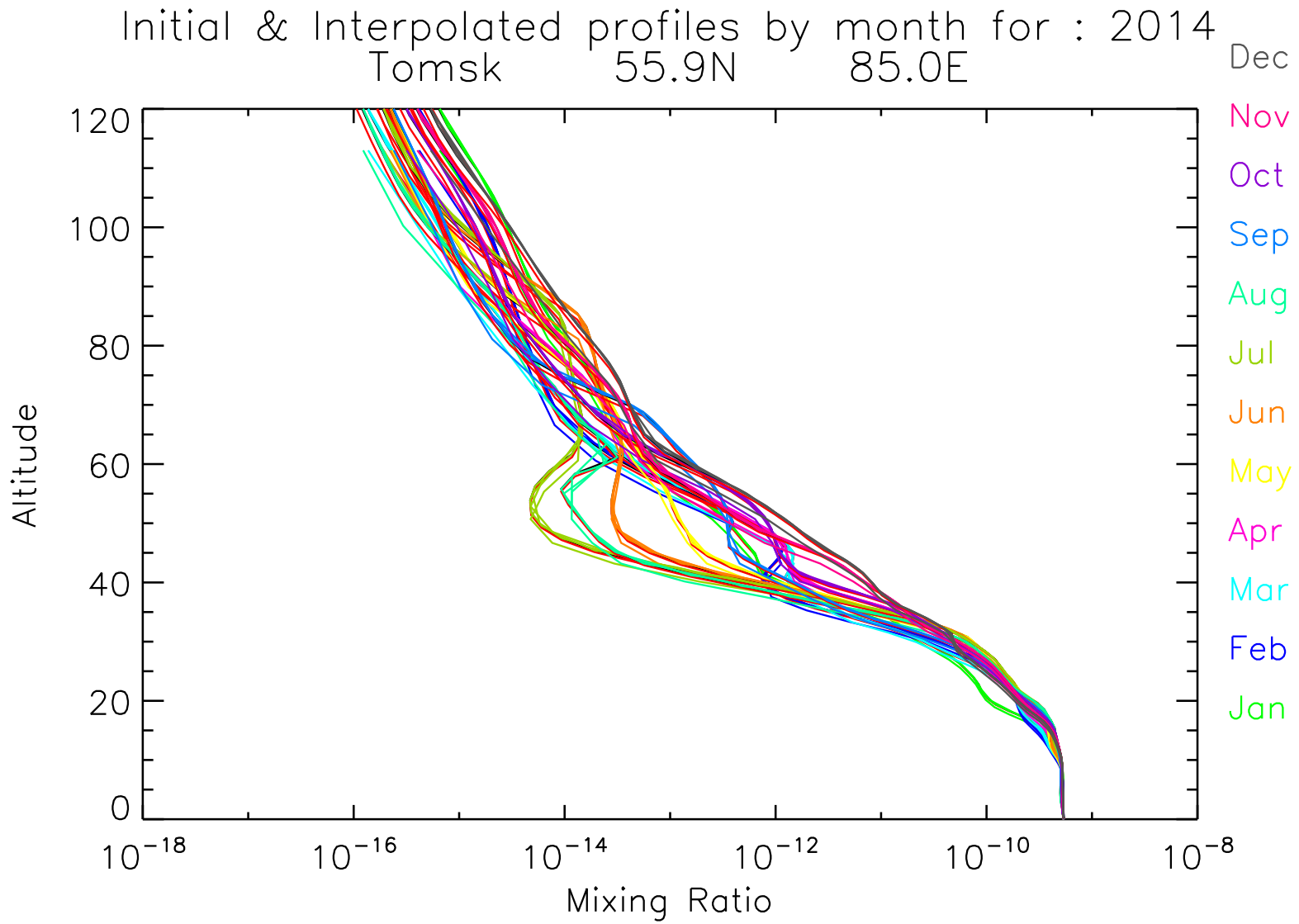
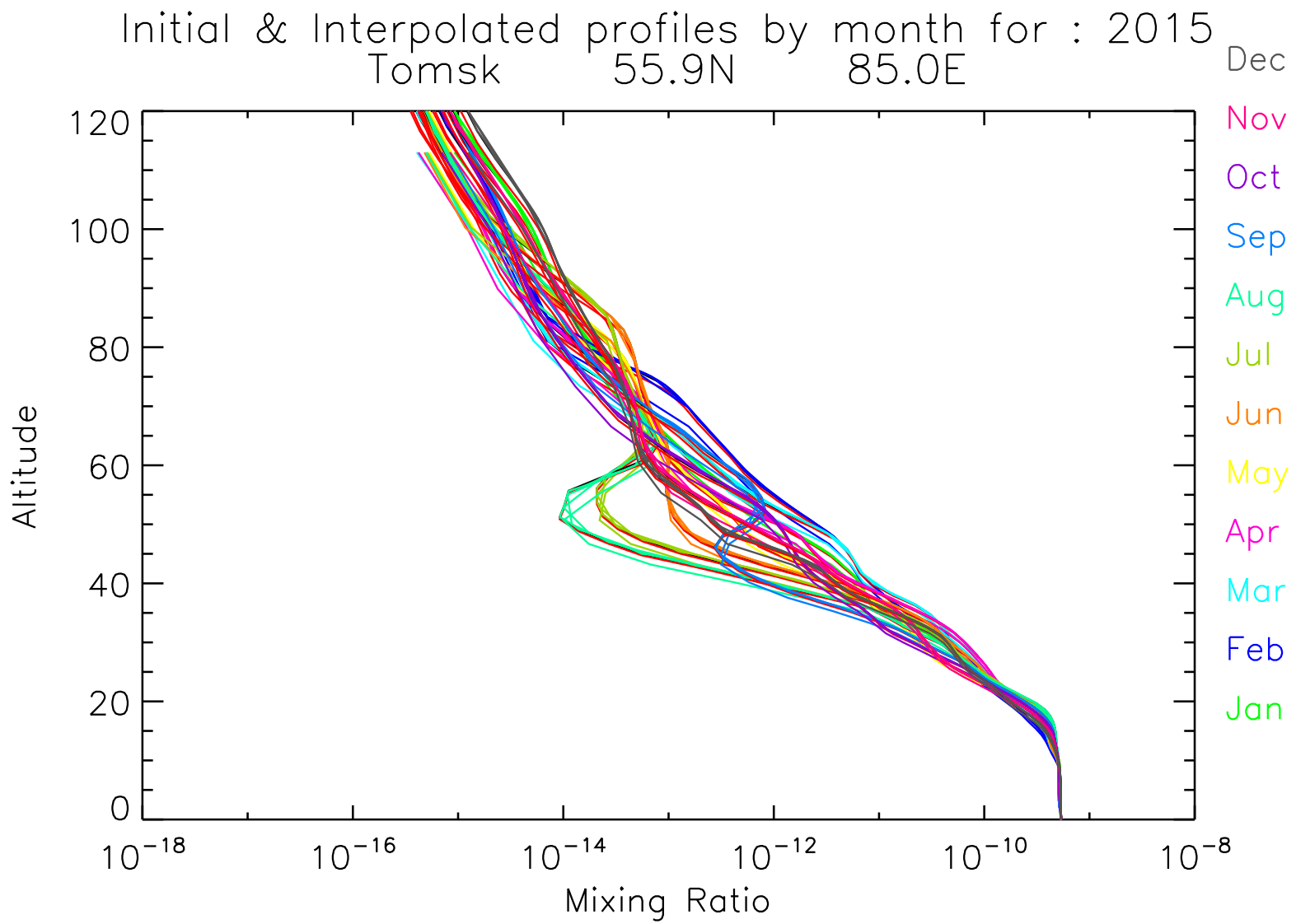
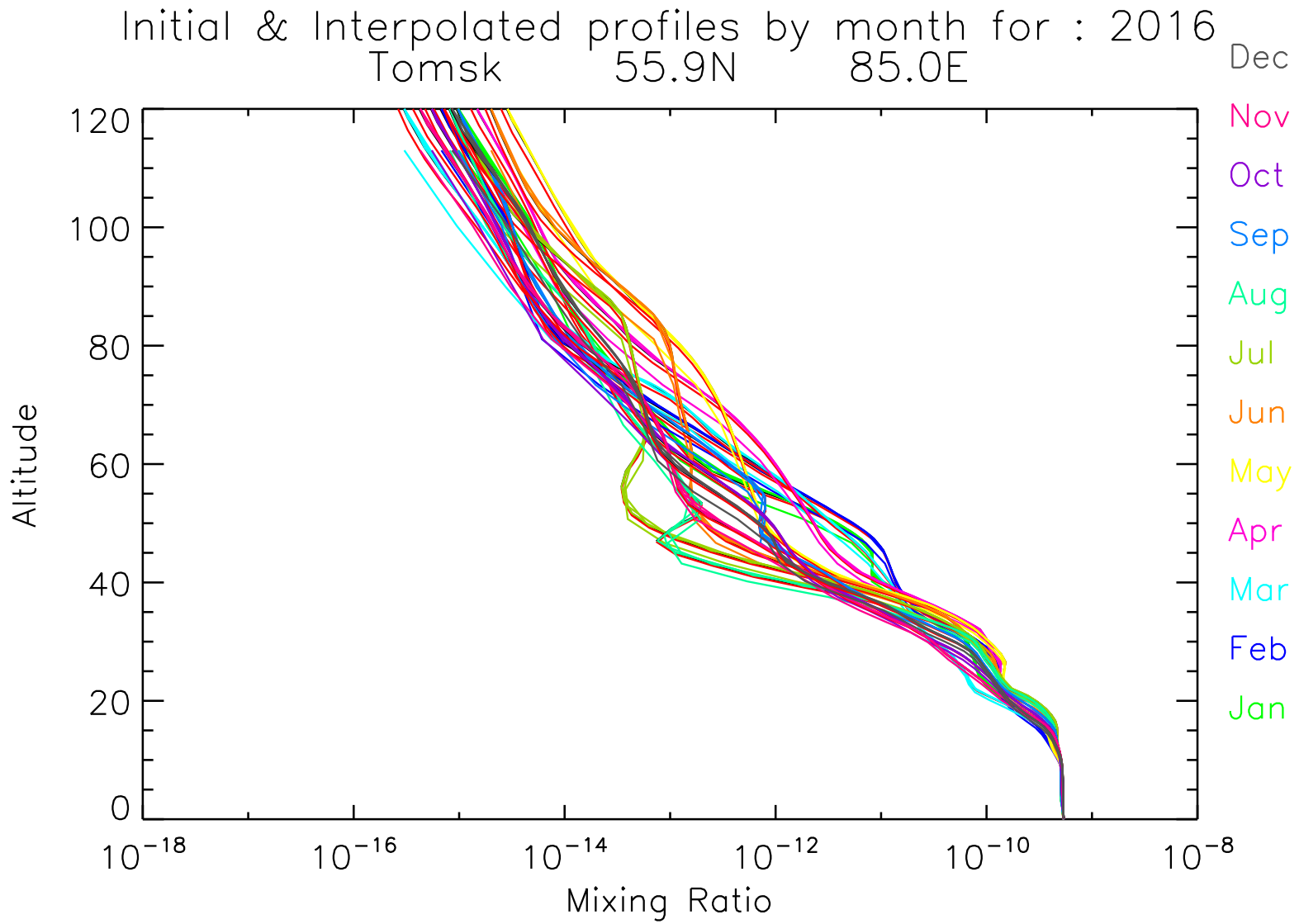
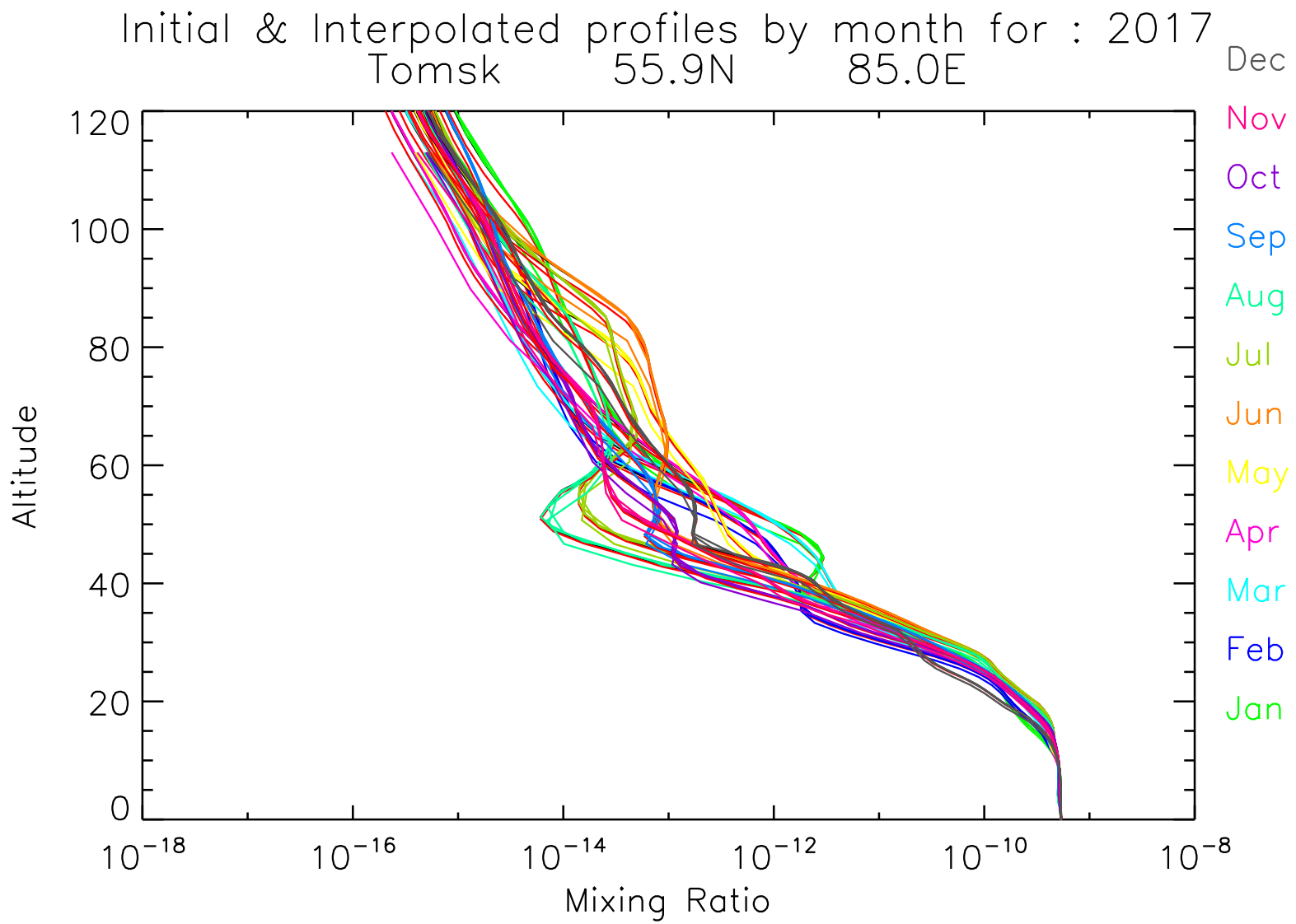
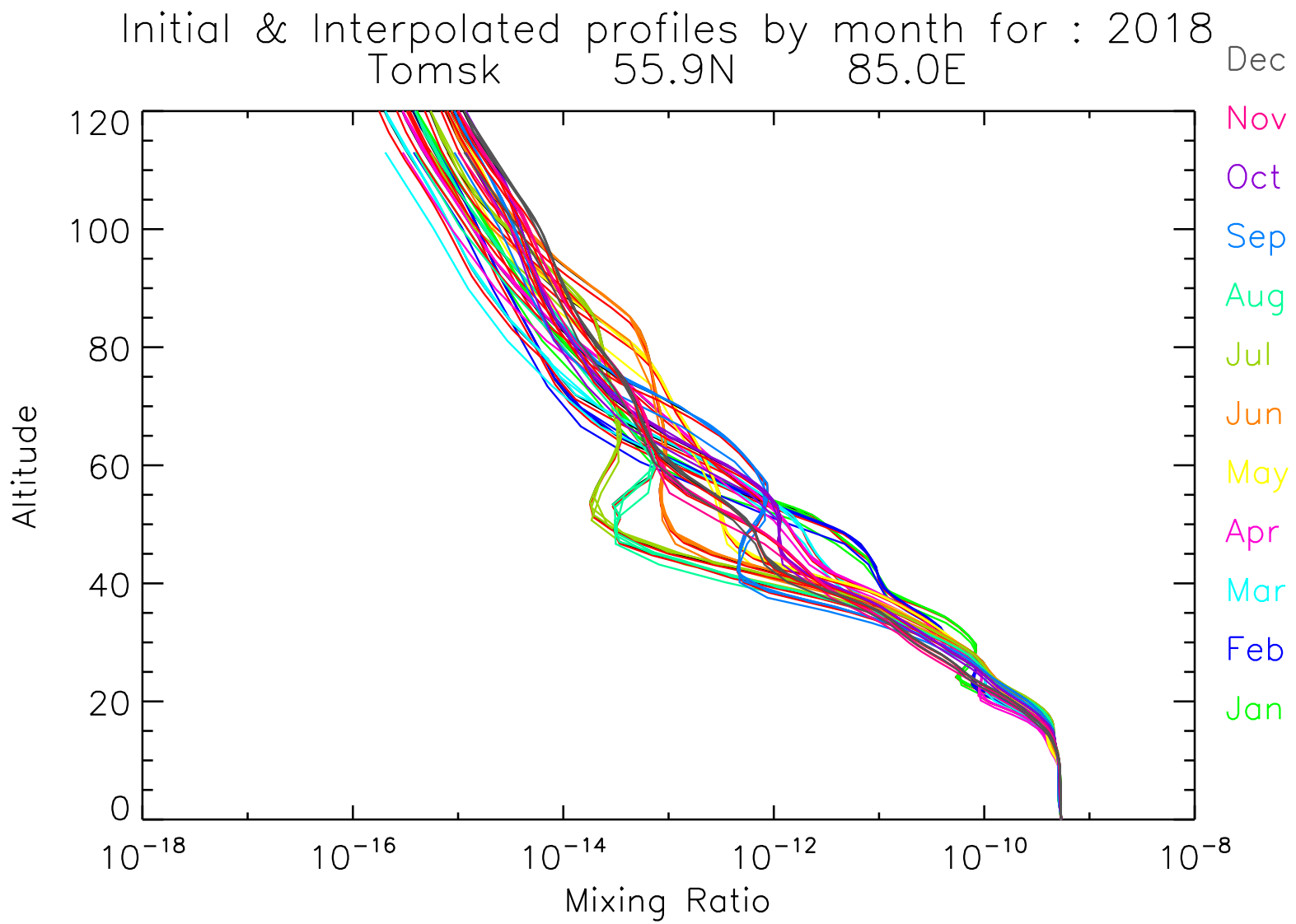
Feb
Jan

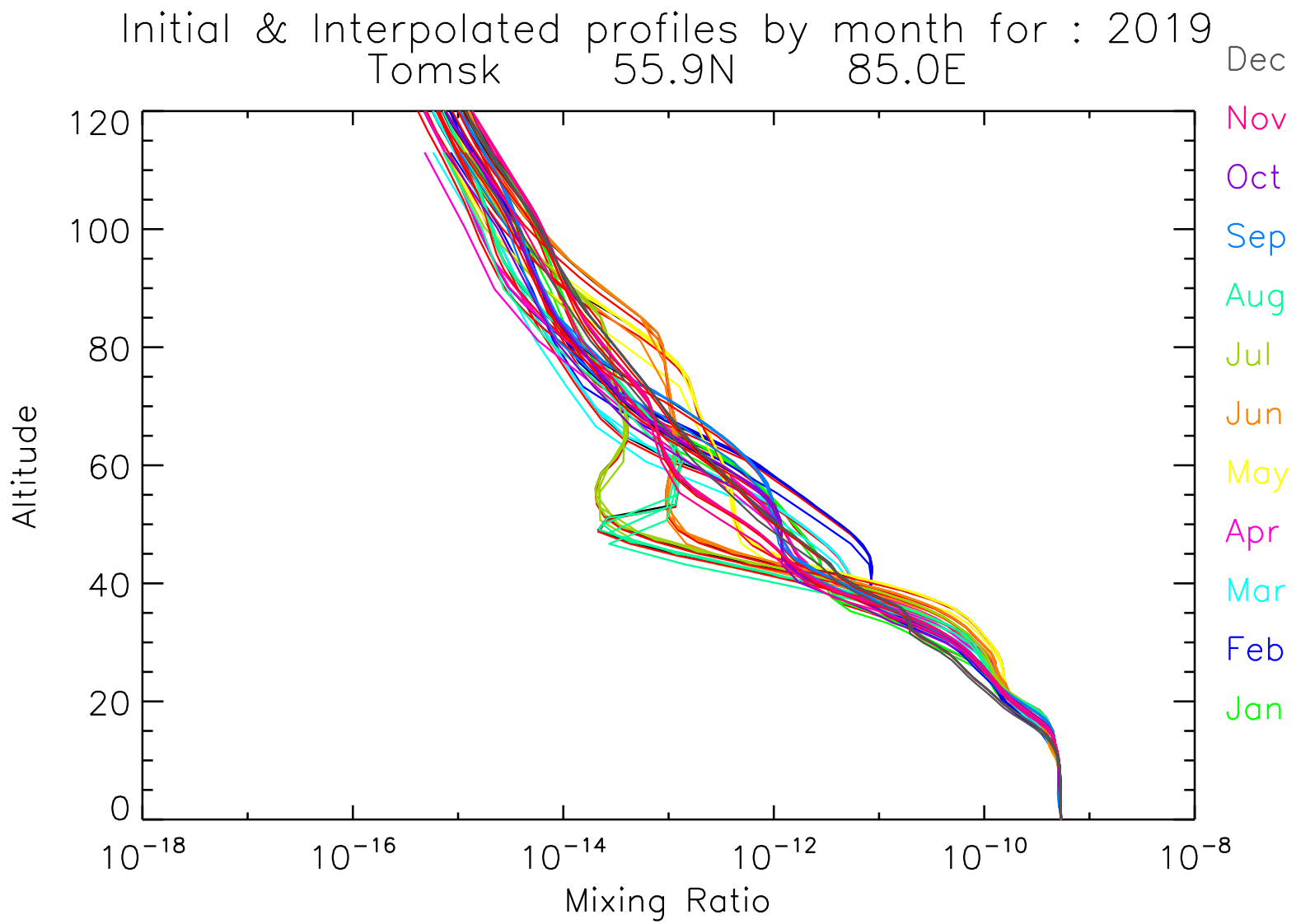

Initial & Interpolated profiles by month for : 2014
Tomsk 55.9N 85.0E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

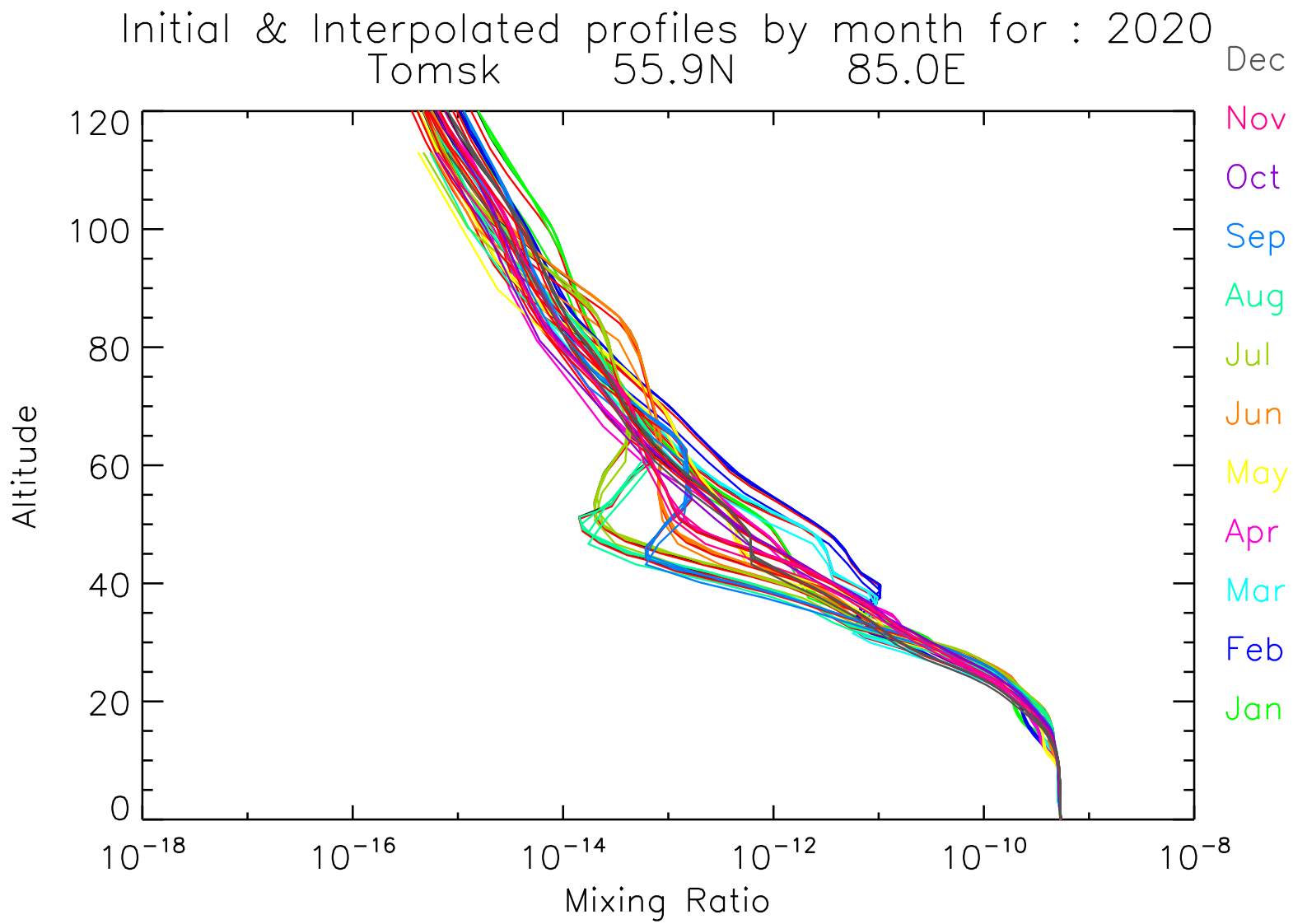

Initial & Interpolated profiles by month for : 2015
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

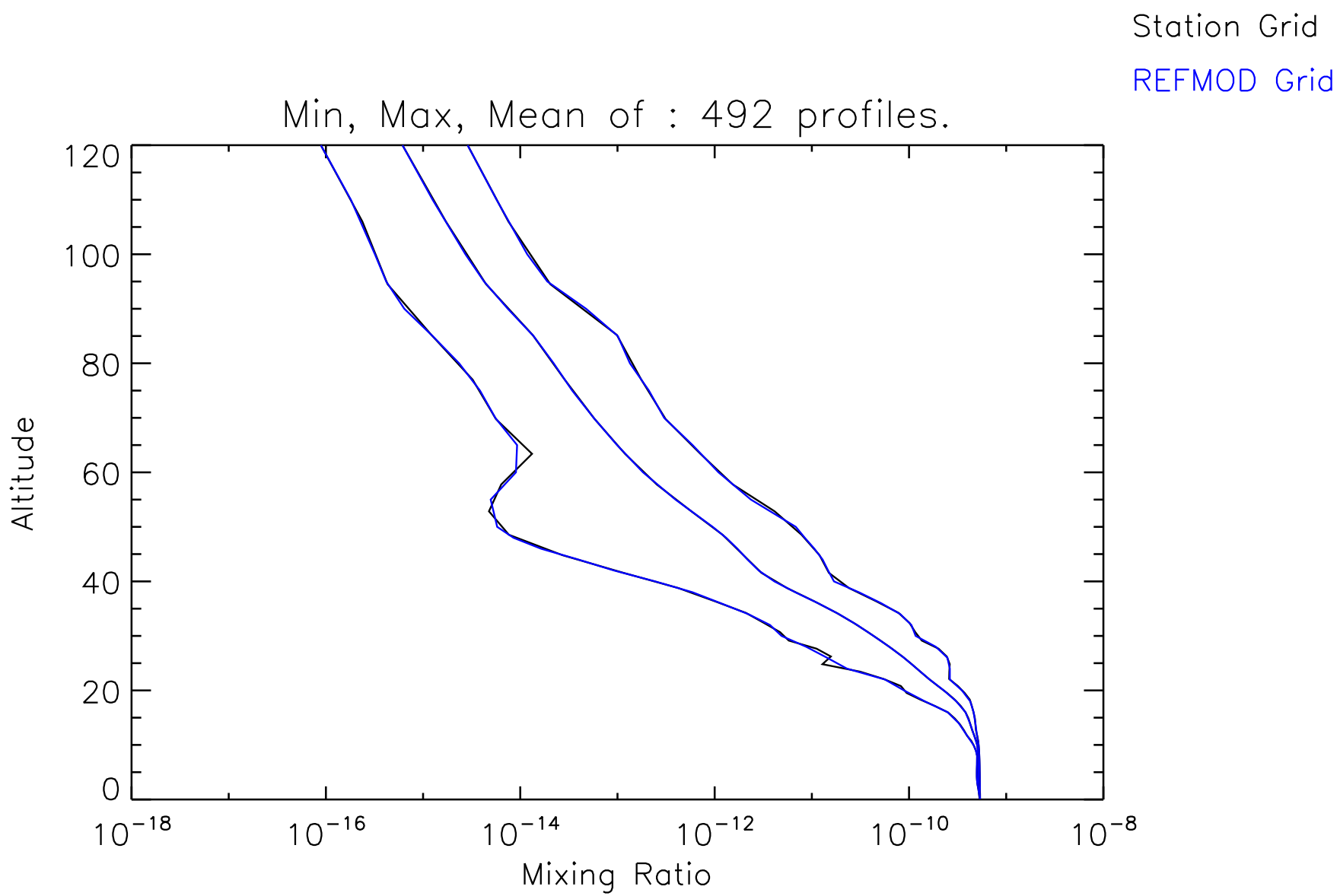

Initial & Interpolated profiles by month for : 2016
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

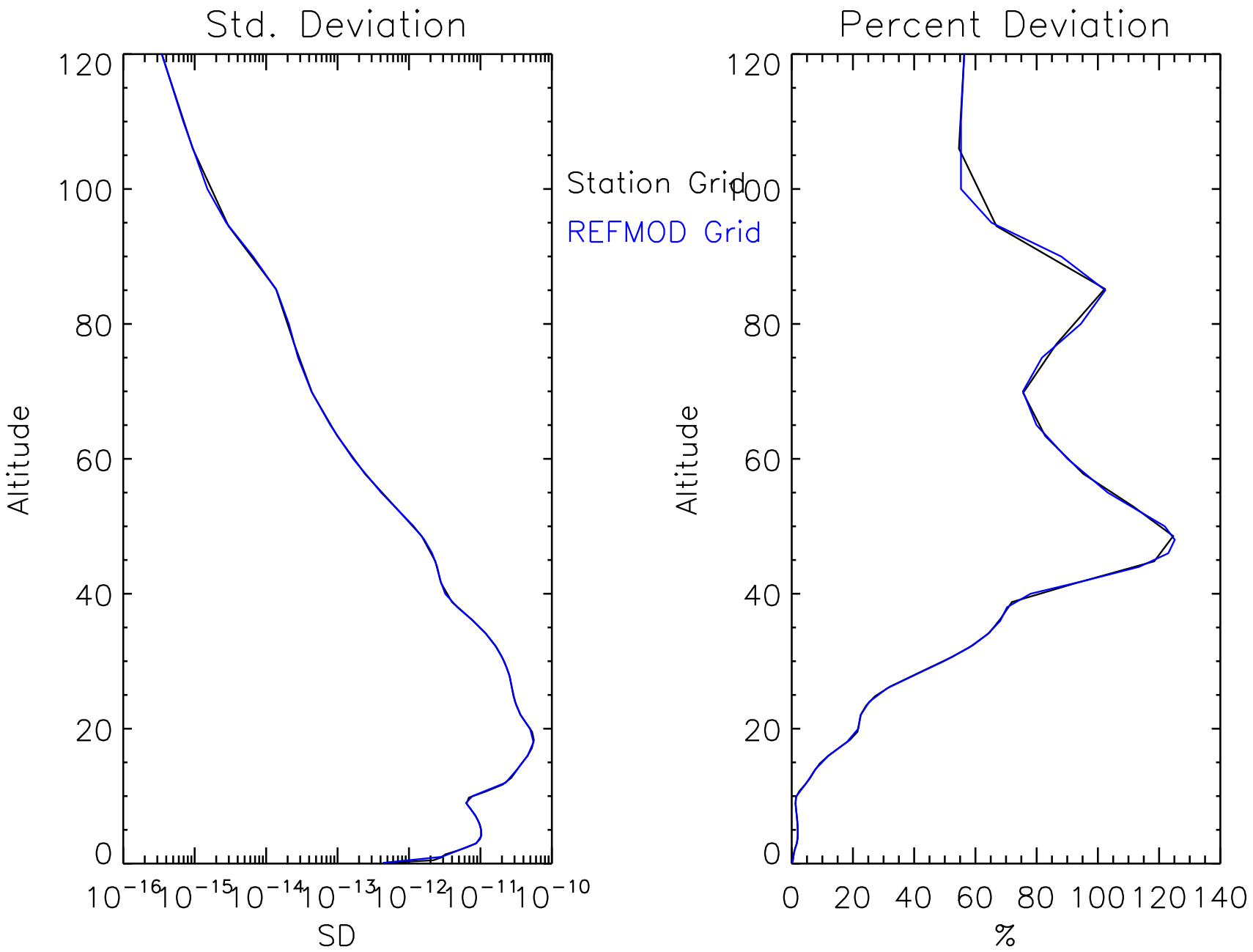

Initial & Interpolated profiles by month for : 2017
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

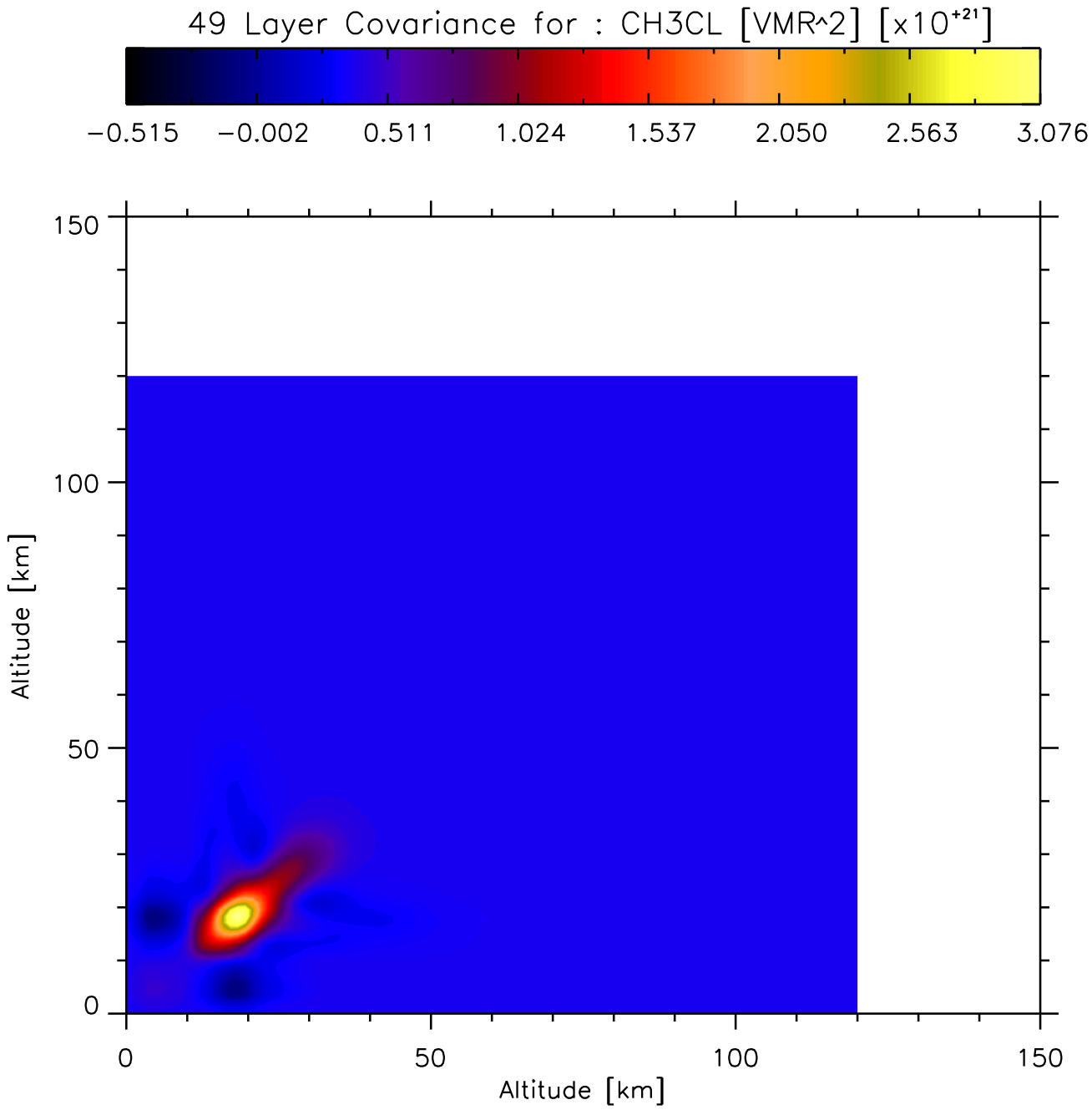

Initial & Interpolated profiles by month for : 2018
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

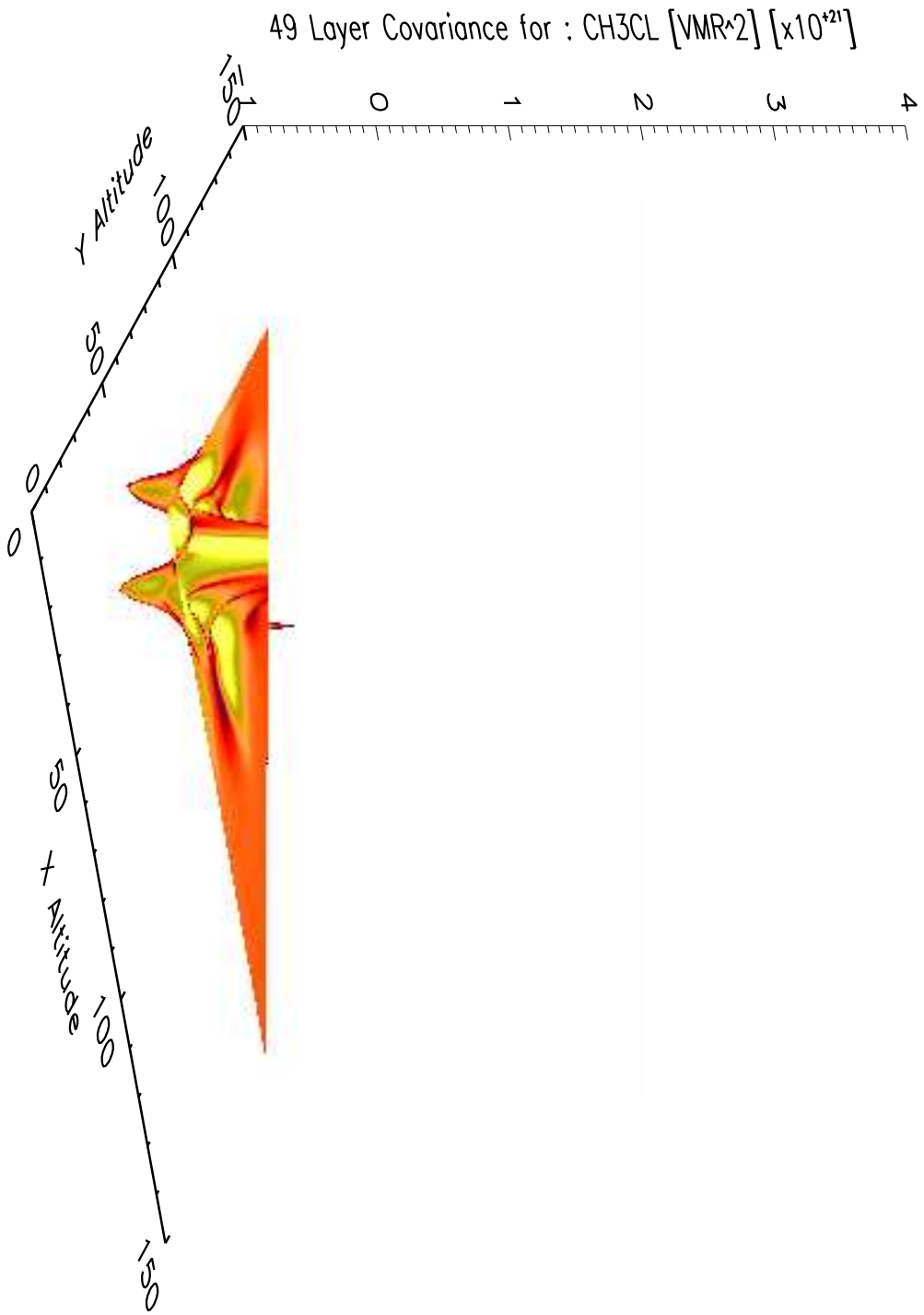

Initial & Interpolated profiles by month for : 2019
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

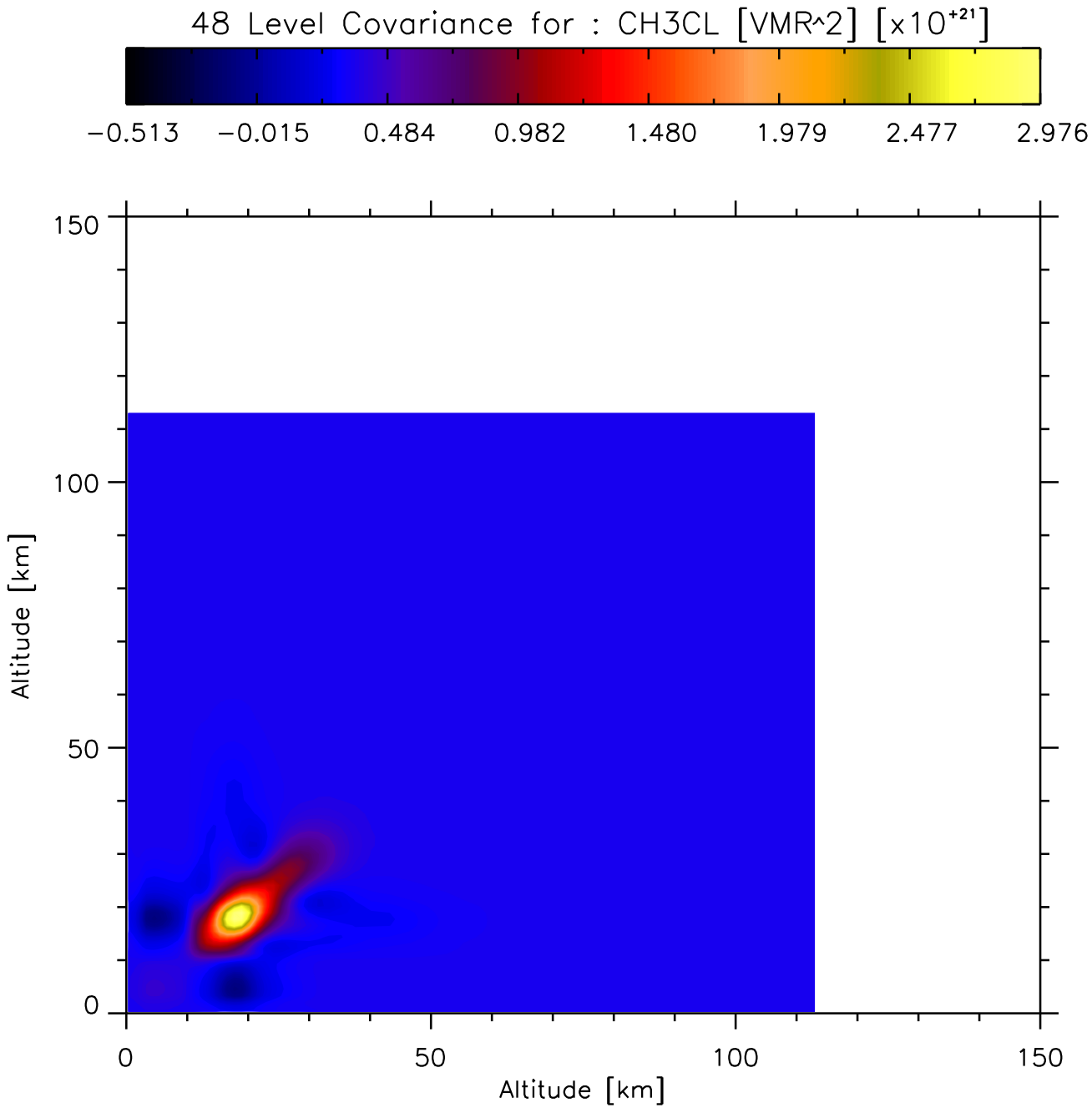

Initial & Interpolated profiles by month for : 2020
Tomsk 55.9N 85.0E
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

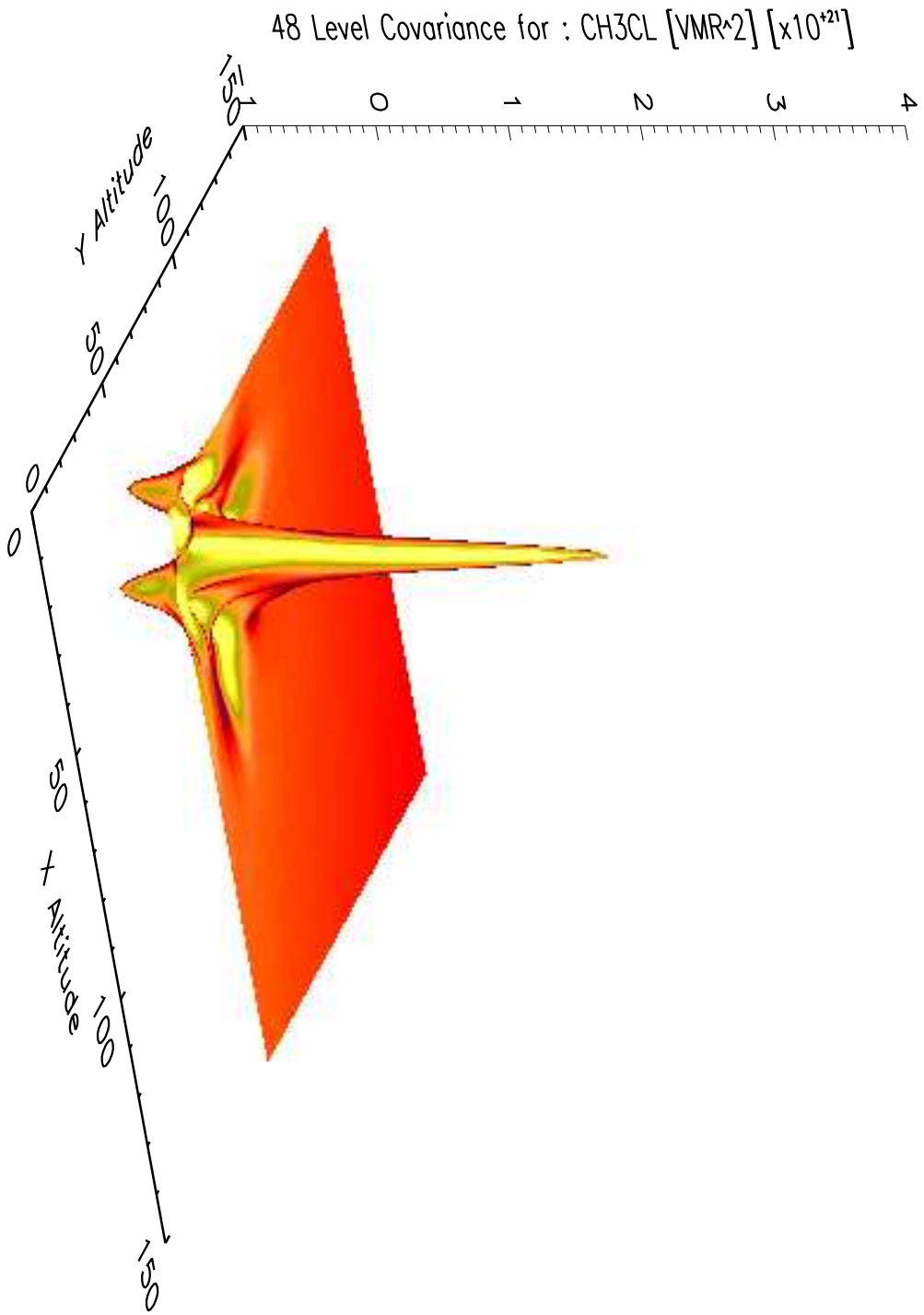

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-18}
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


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}
SD
0 20 40 60 80 100 120 140
%


49 Layer Covariance for : CH3CL [VMR^2] [x10^+21]
−0.515
−0.002
0.511
1.024
1.537
2.050
2.563
3.076
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


49 Layer Covariance for : CH3CL [VMR^2] [x10^+21]
-150
-100
-50
0
1
2
3
4
Y Altitude
0
50
100
150
X Altitude


48 Level Covariance for : CH3CL [VMR^2] [x10^+21]
−0.513
−0.015
0.484
0.982
1.480
1.979
2.477
2.976
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Level Covariance for : CH3CL [VMR^2] [x10^+21]
-150
-1
0
1
2
3
4
Y Altitude
100
50
0
0
50
X Altitude
100
150