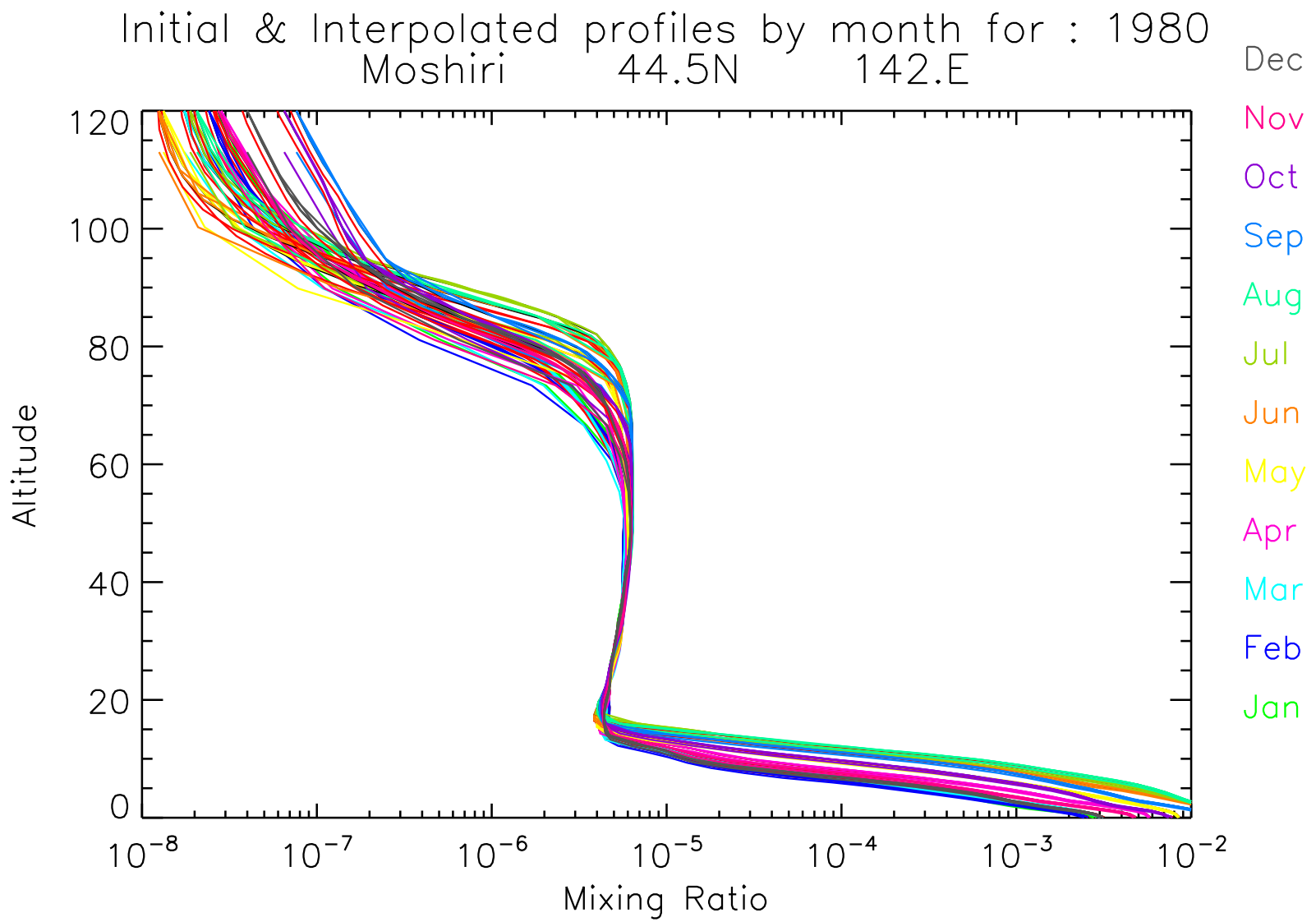
Initial & Interpolated profiles by month for : 1980
Moshiri 44.5N 142.E
Altitude
120
100
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Mixing Ratio
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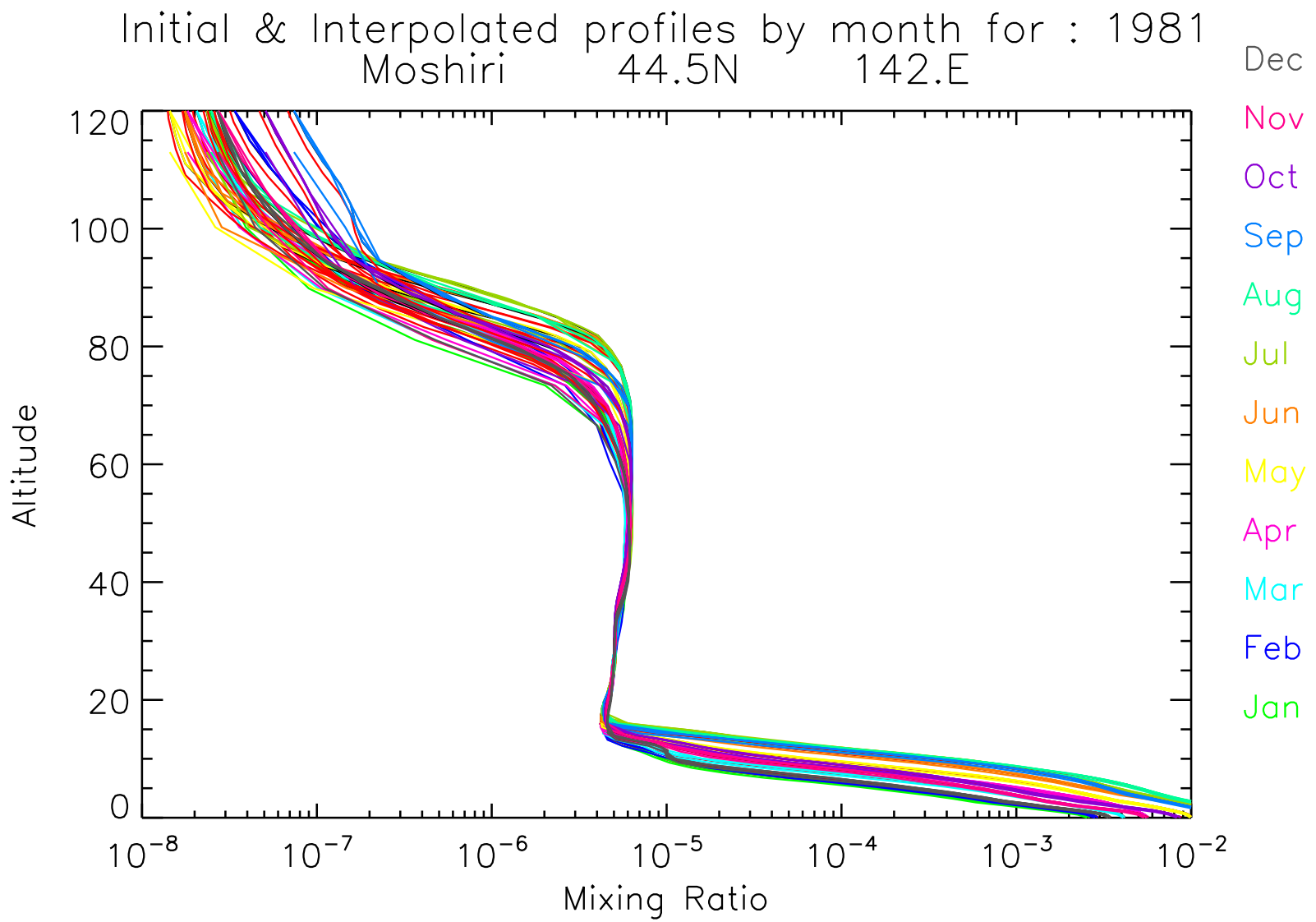
Initial & Interpolated profiles by month for : 1981
Moshiri 44.5N 142.E
Altitude
120
100
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Mixing Ratio
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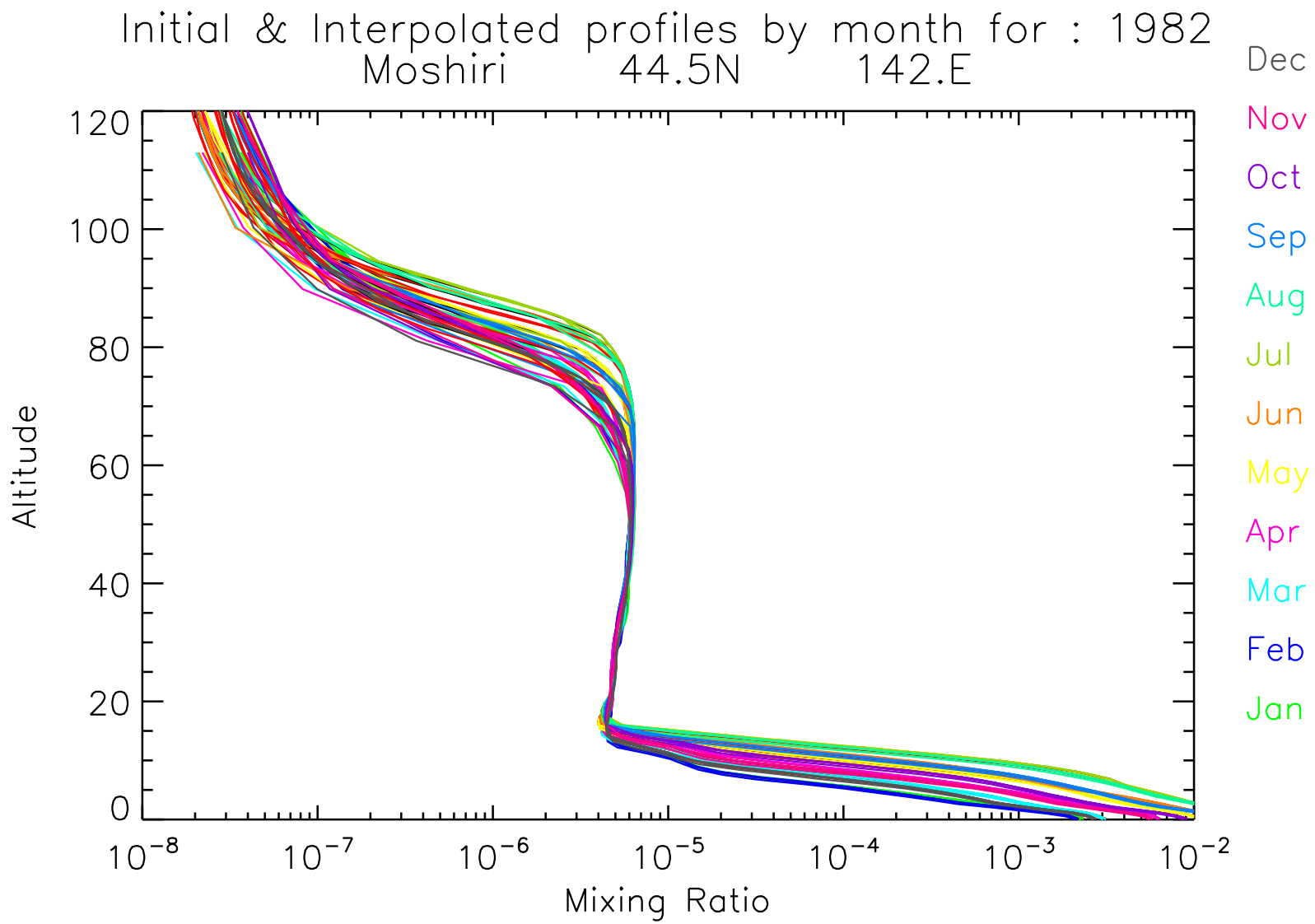
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Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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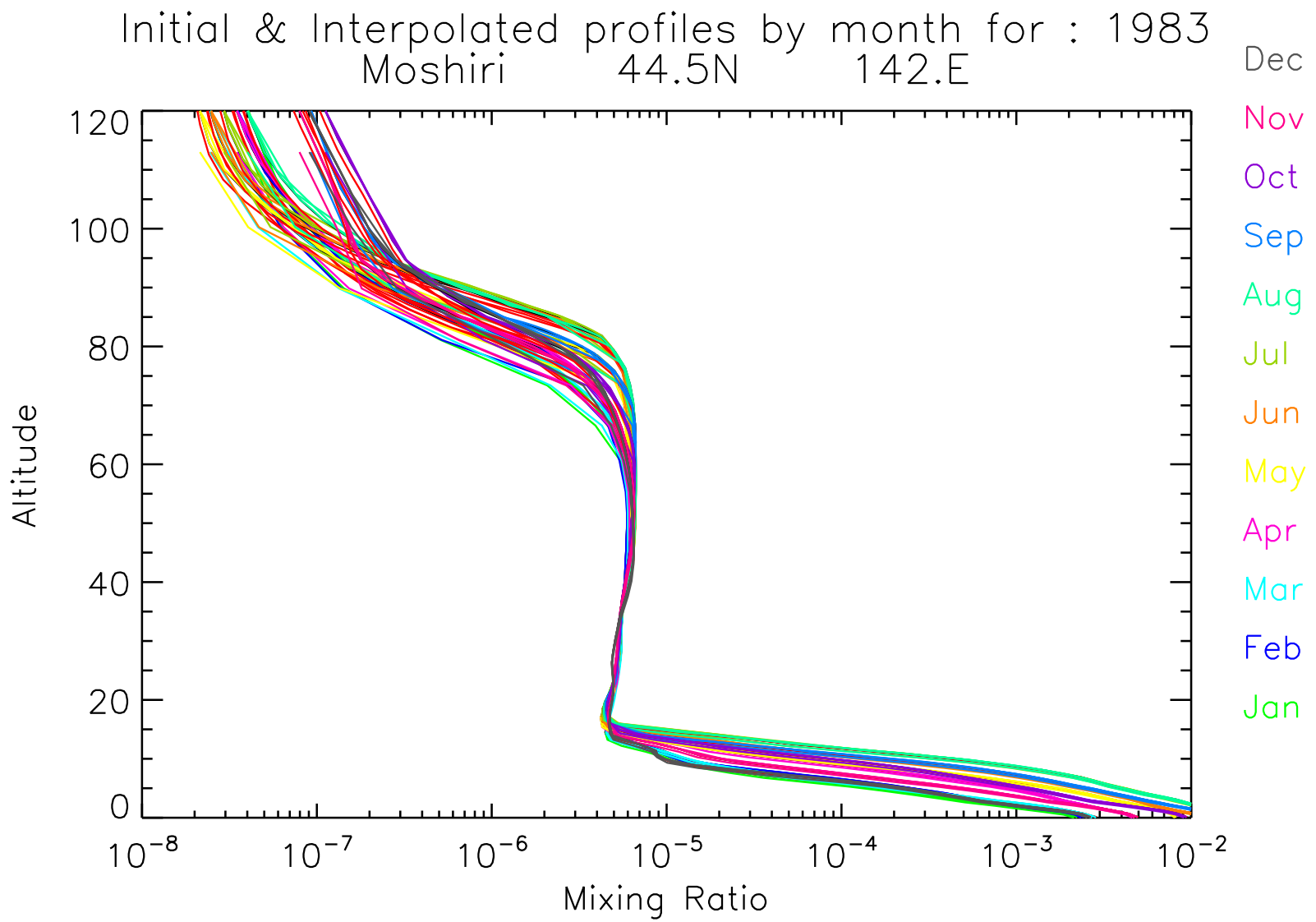
Initial & Interpolated profiles by month for : 1983
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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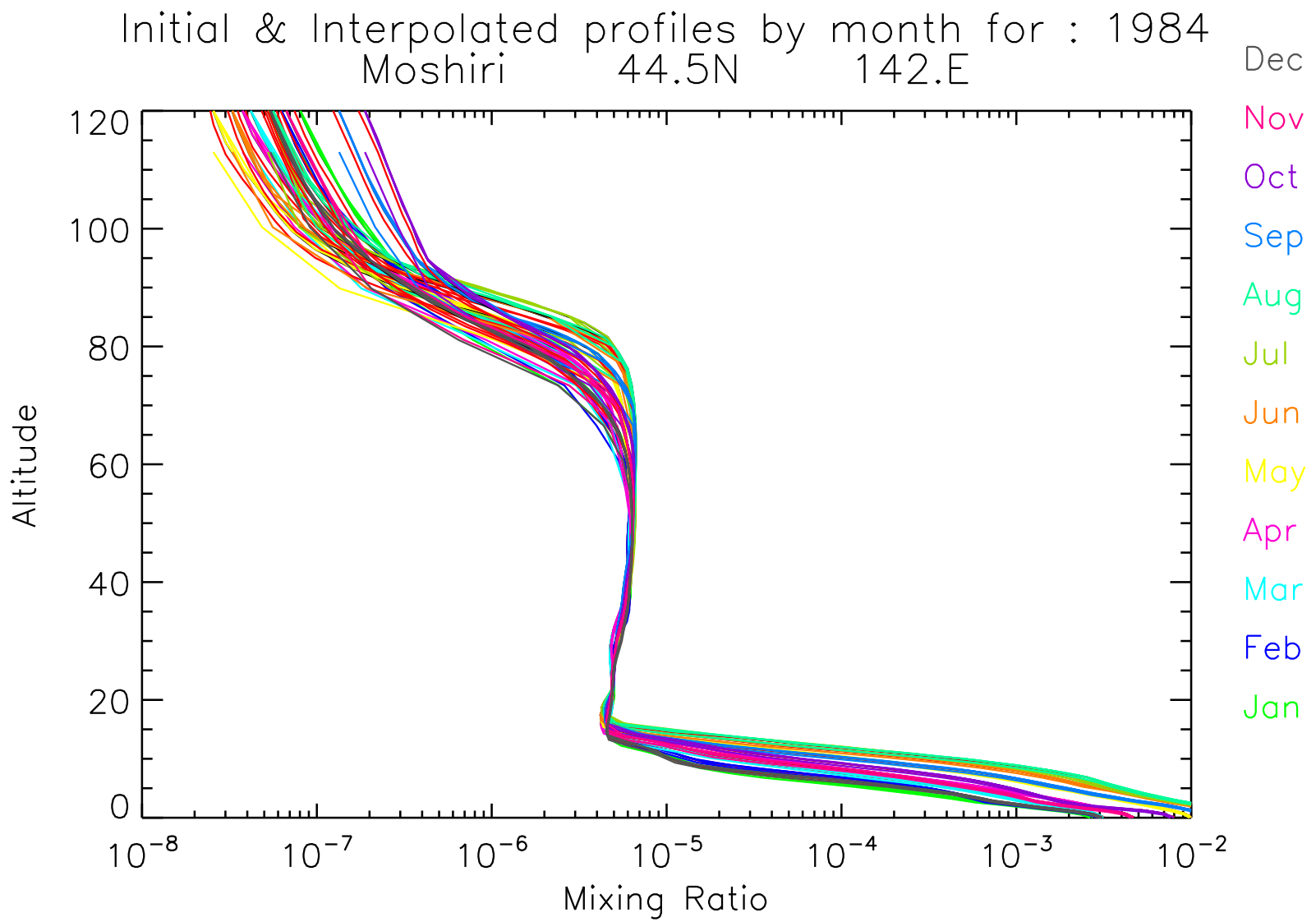
Initial & Interpolated profiles by month for : 1984
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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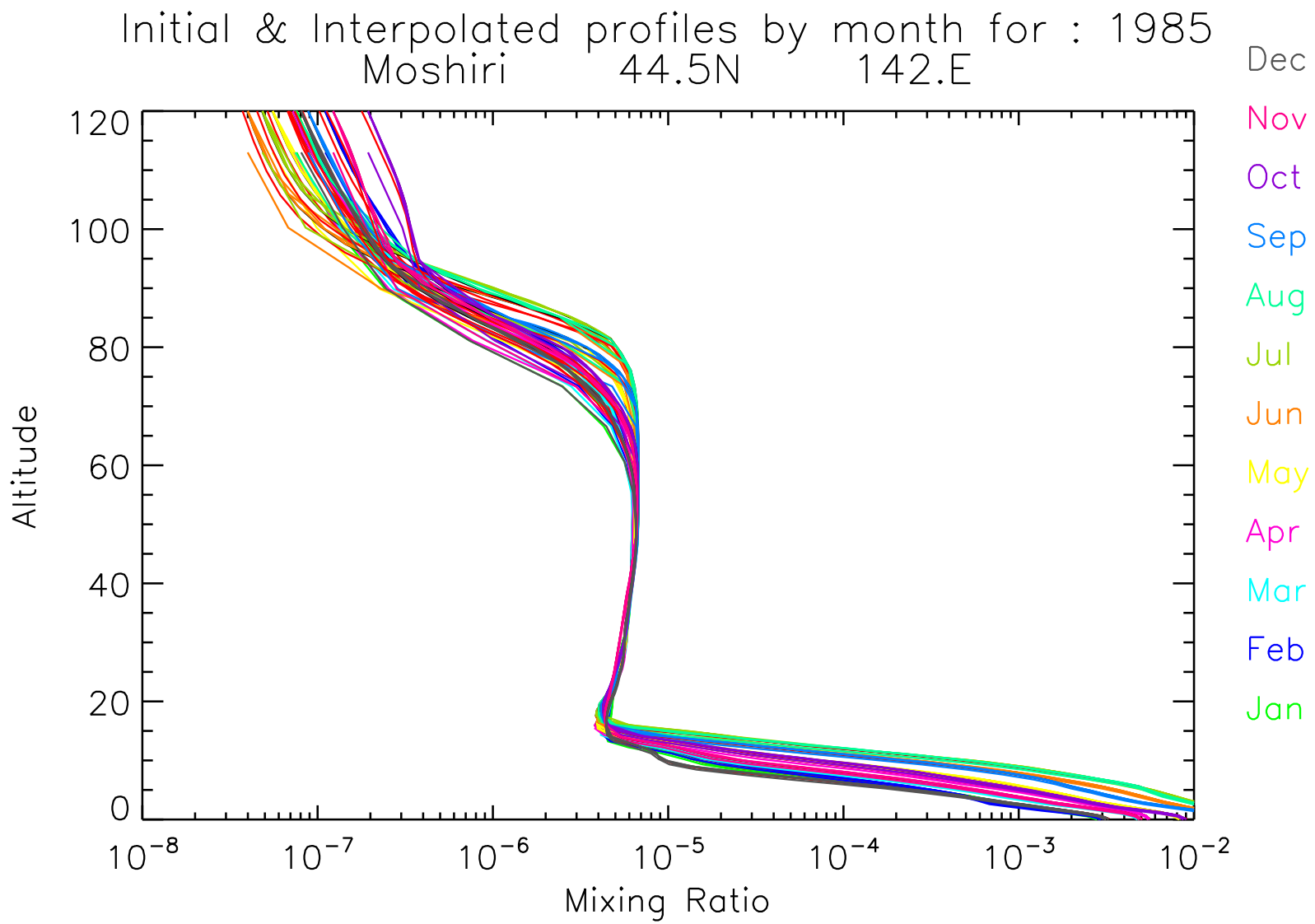
Initial & Interpolated profiles by month for : 1985
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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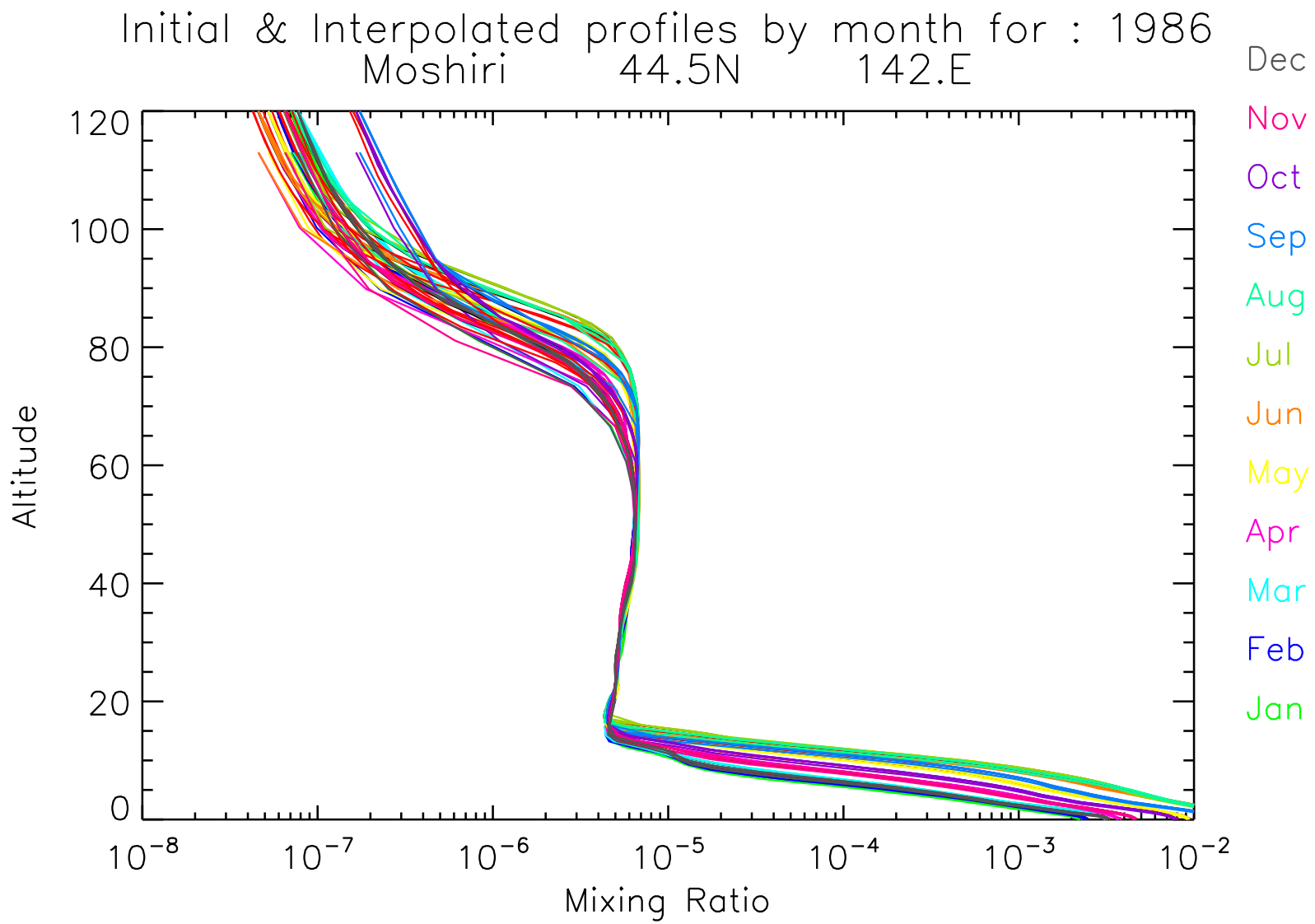
Initial & Interpolated profiles by month for : 1986
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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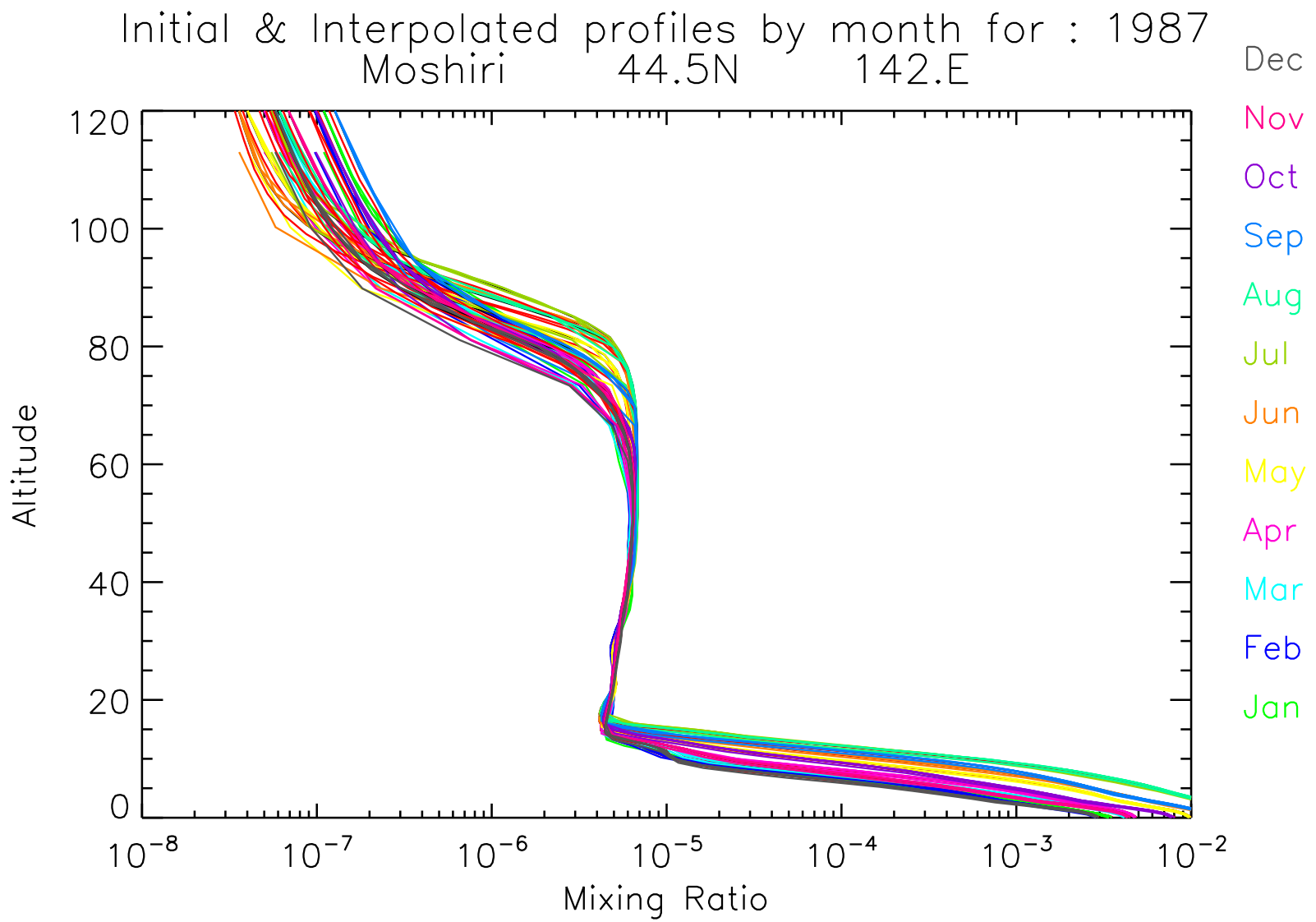
Initial & Interpolated profiles by month for : 1987
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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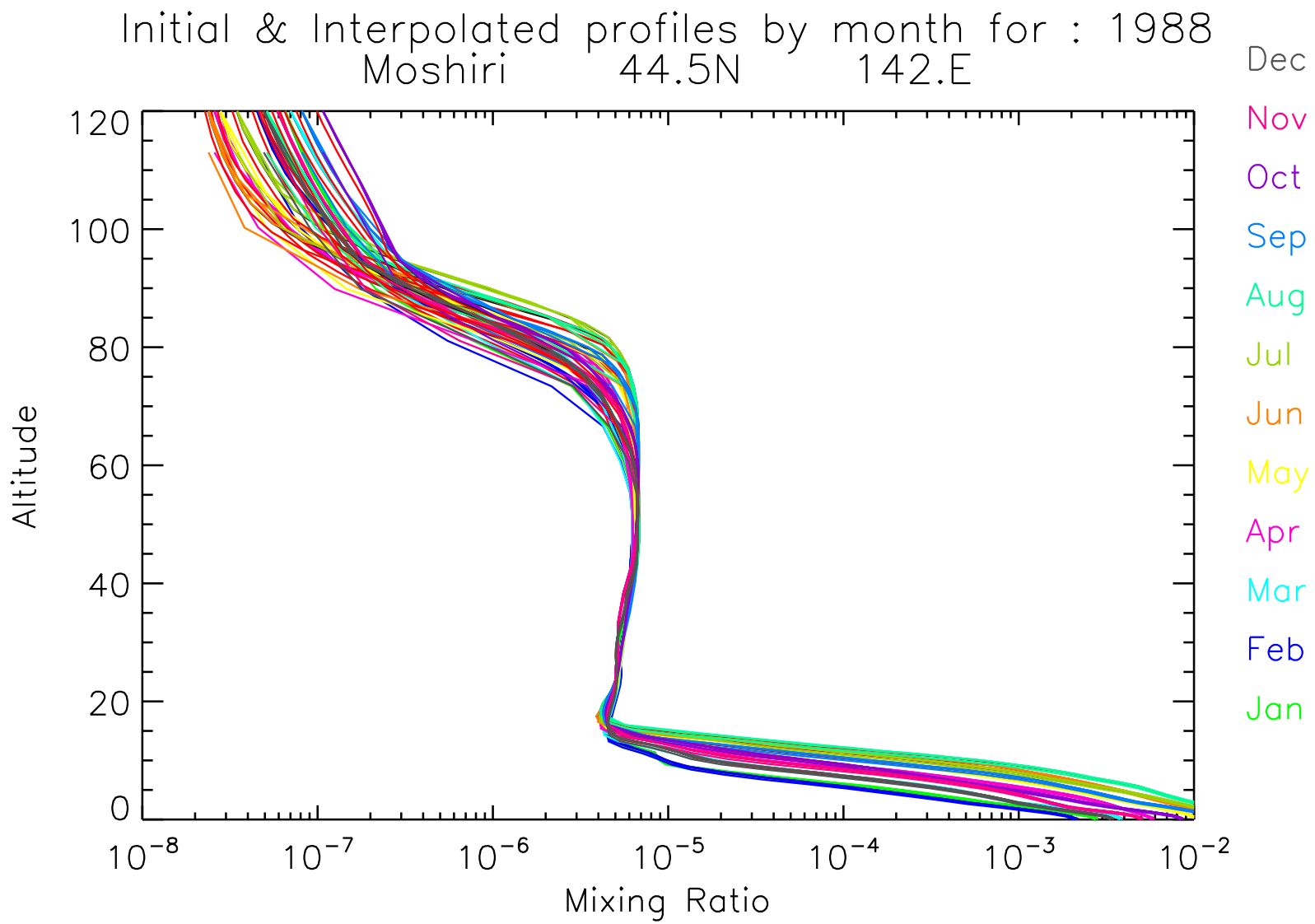
Initial & Interpolated profiles by month for : 1988
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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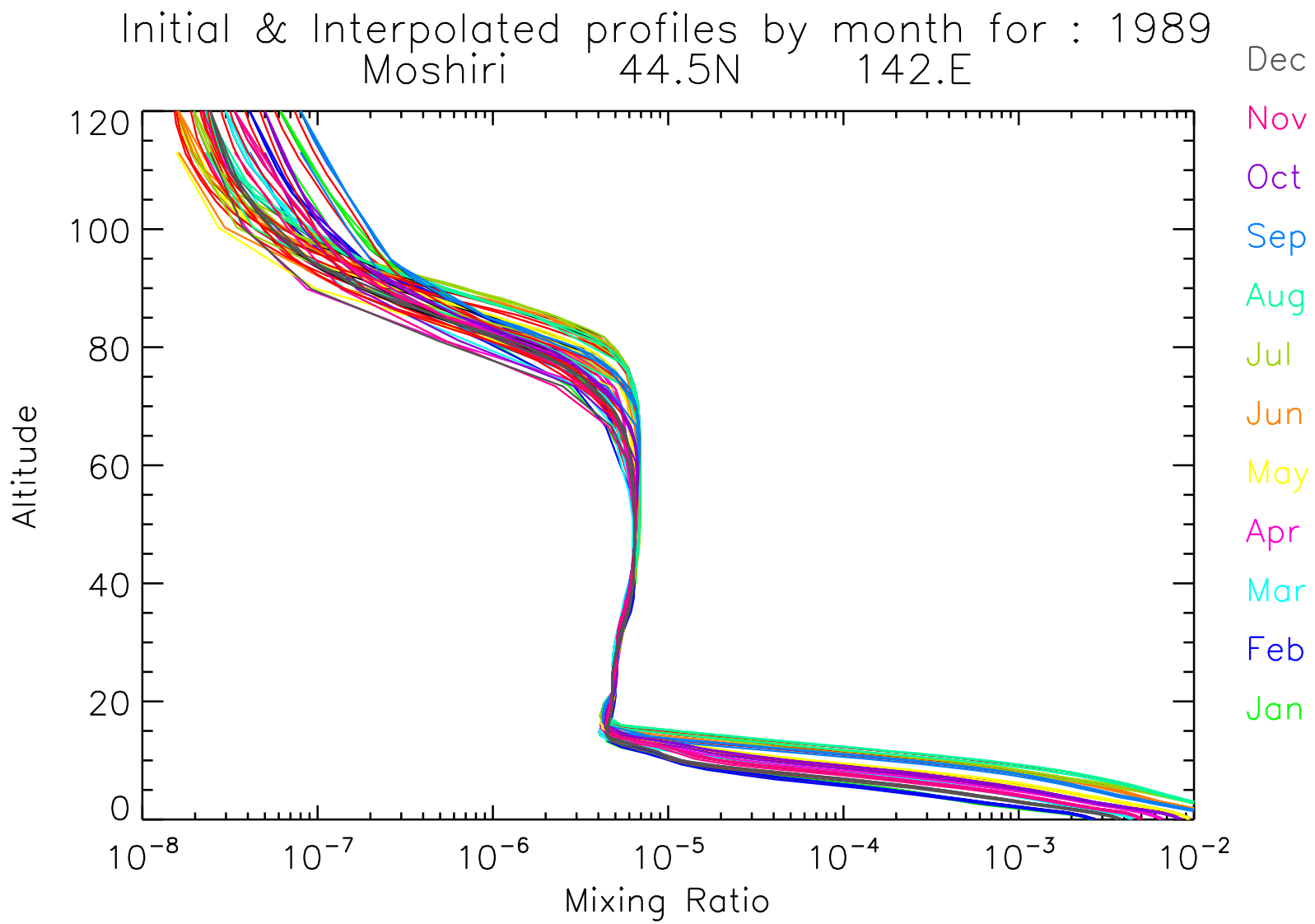
Initial & Interpolated profiles by month for : 1989
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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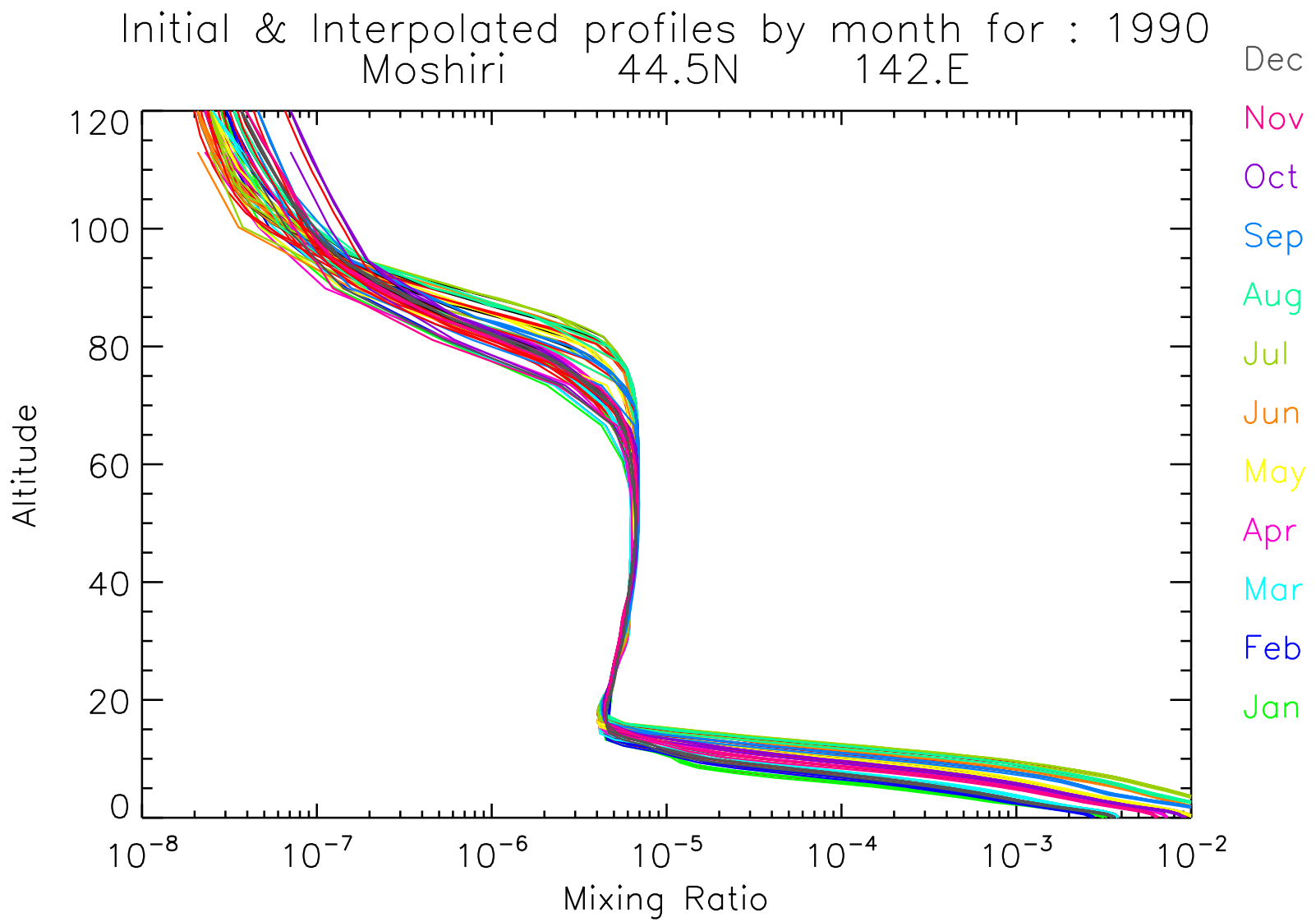
Initial & Interpolated profiles by month for : 1990
Moshiri 44.5N 142.E
Altitude
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Mixing Ratio
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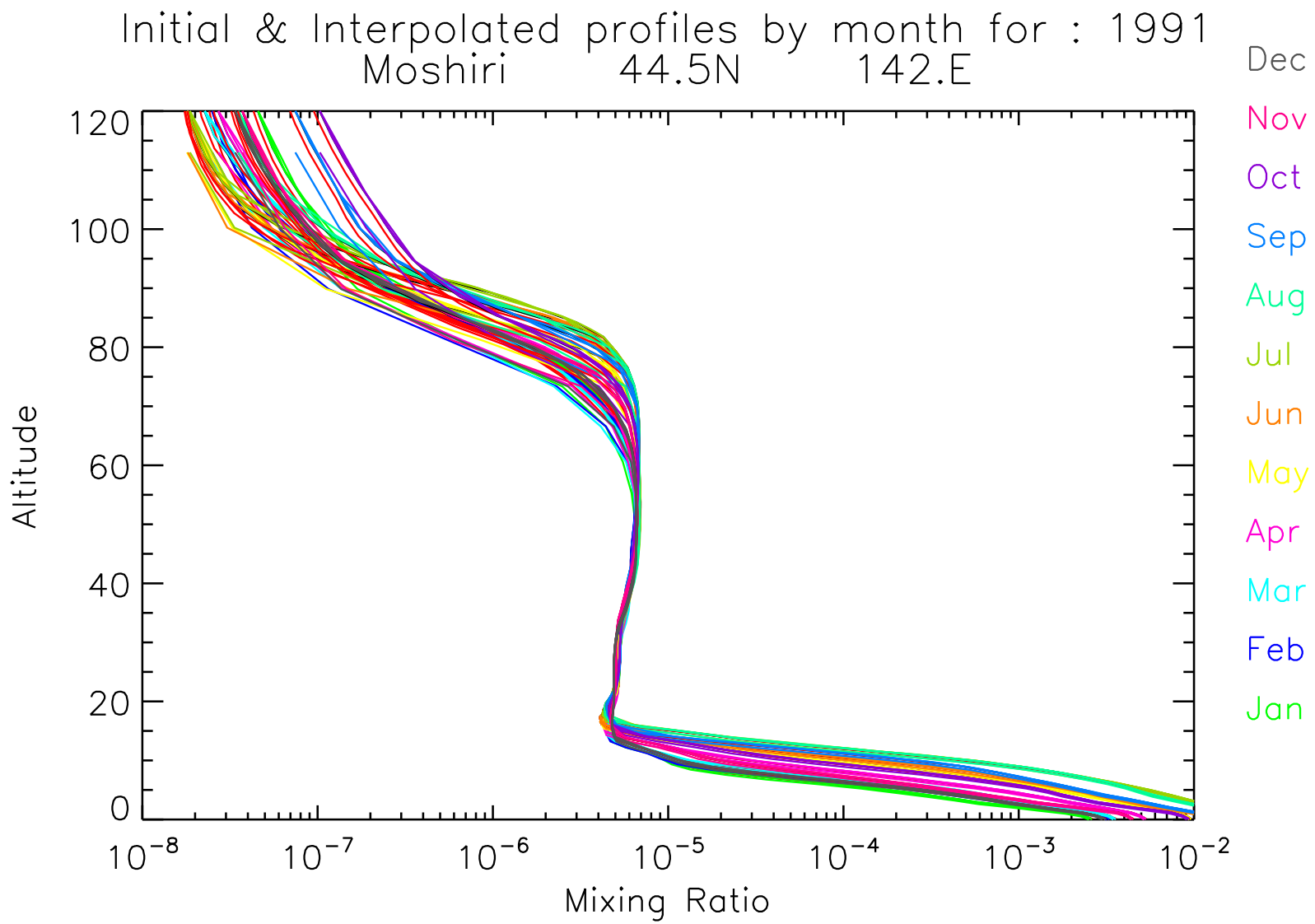
Initial & Interpolated profiles by month for : 1991
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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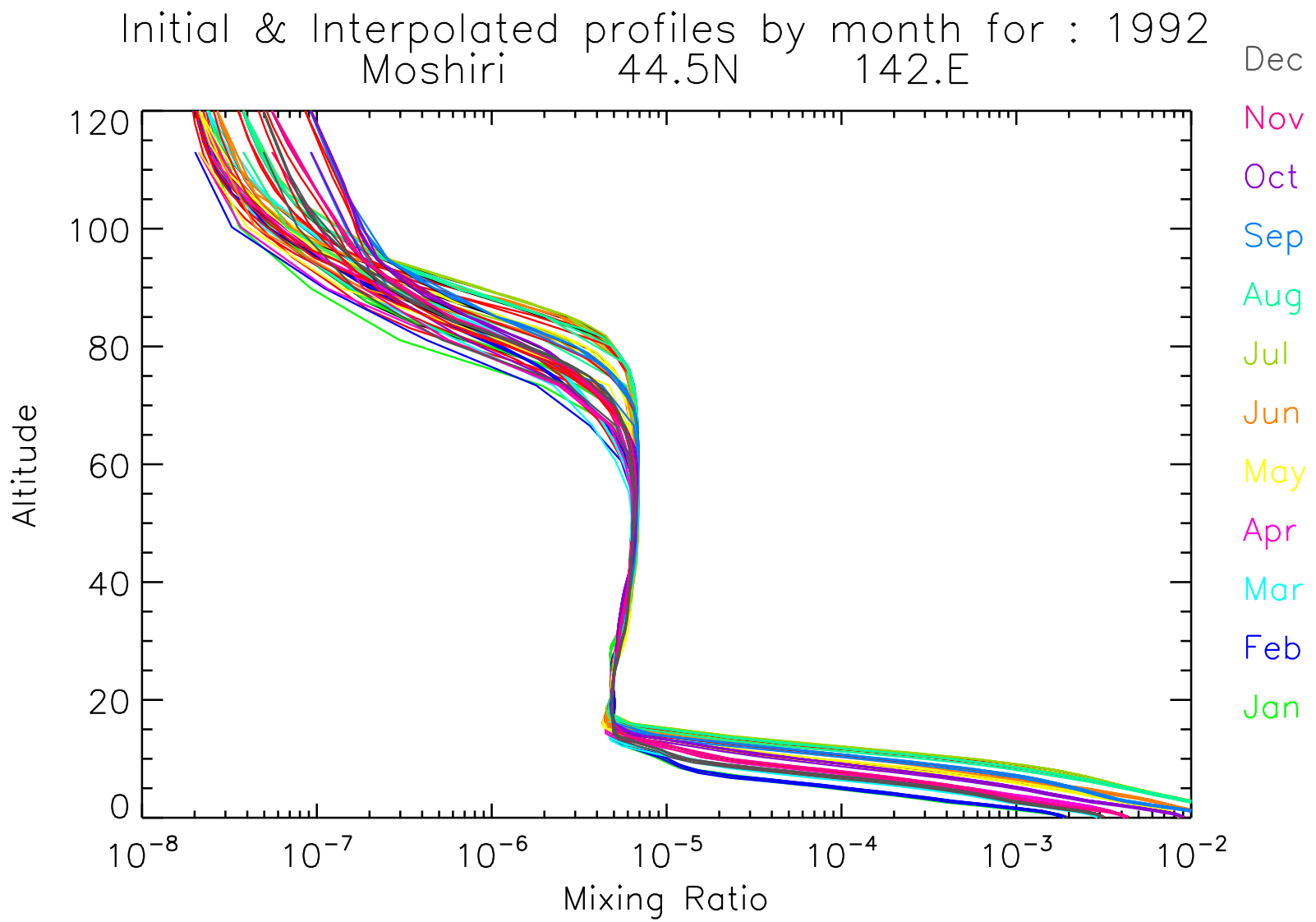
Initial & Interpolated profiles by month for : 1992
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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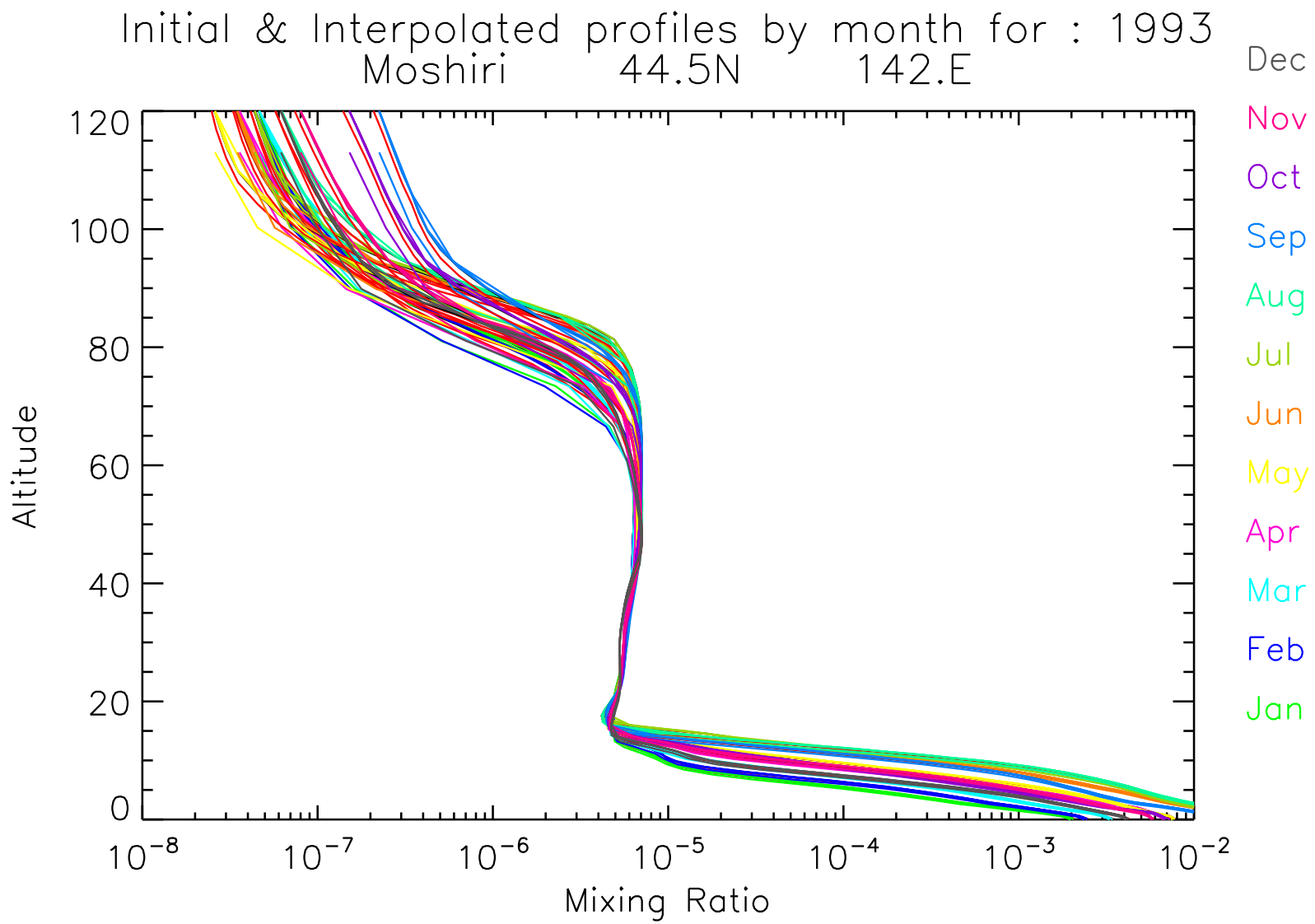
Initial & Interpolated profiles by month for : 1993
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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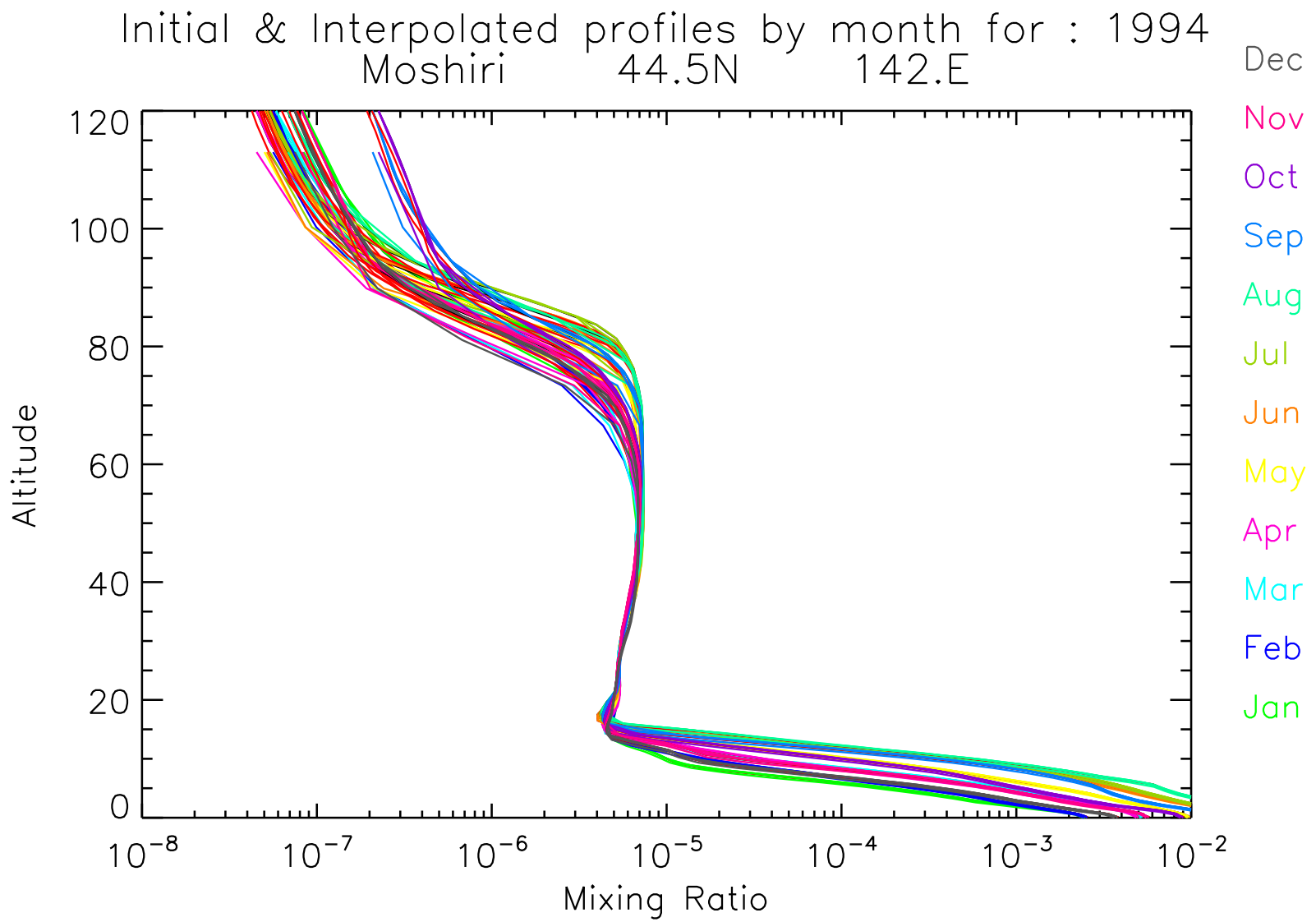
Initial & Interpolated profiles by month for : 1994
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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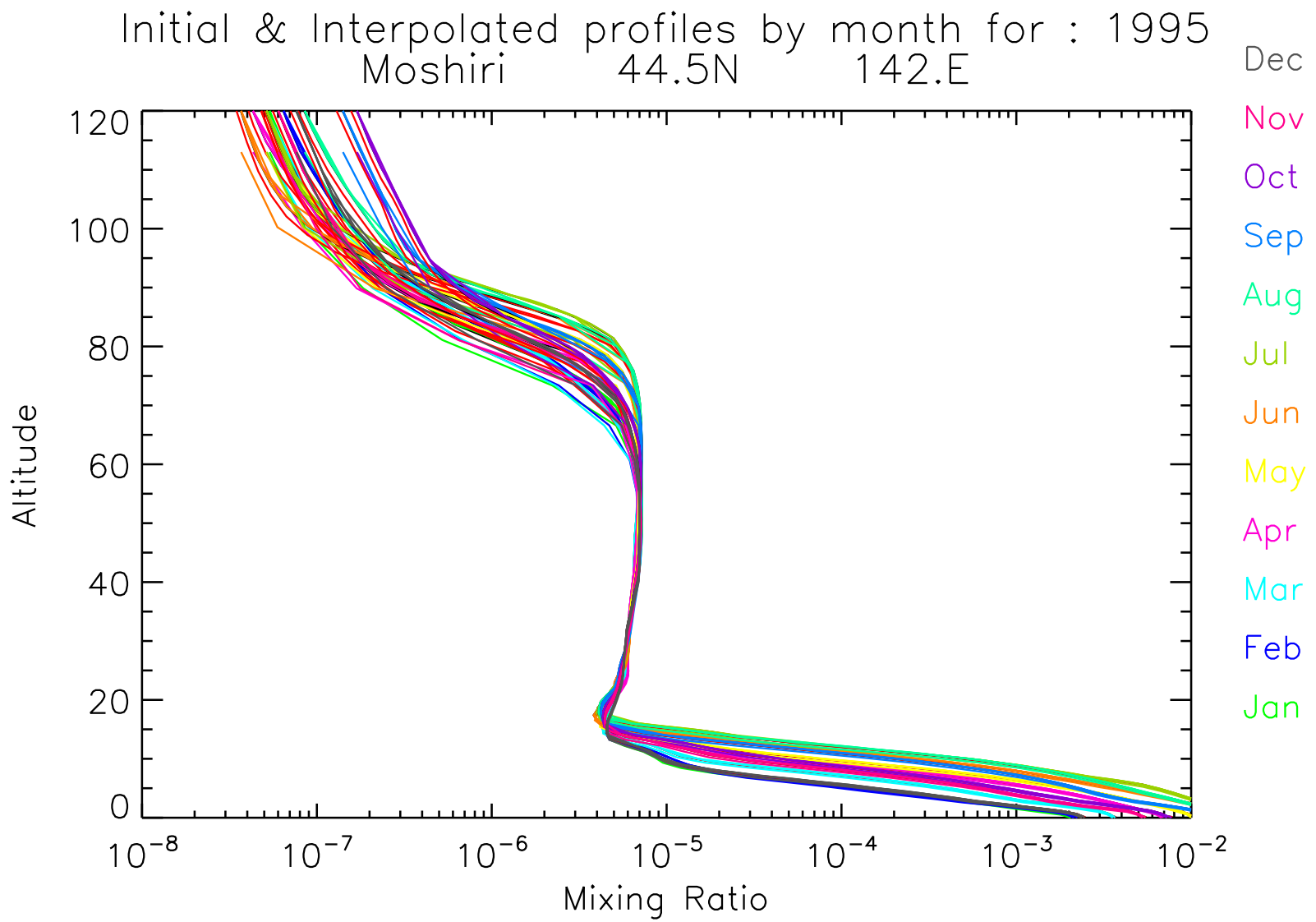
Initial & Interpolated profiles by month for : 1995
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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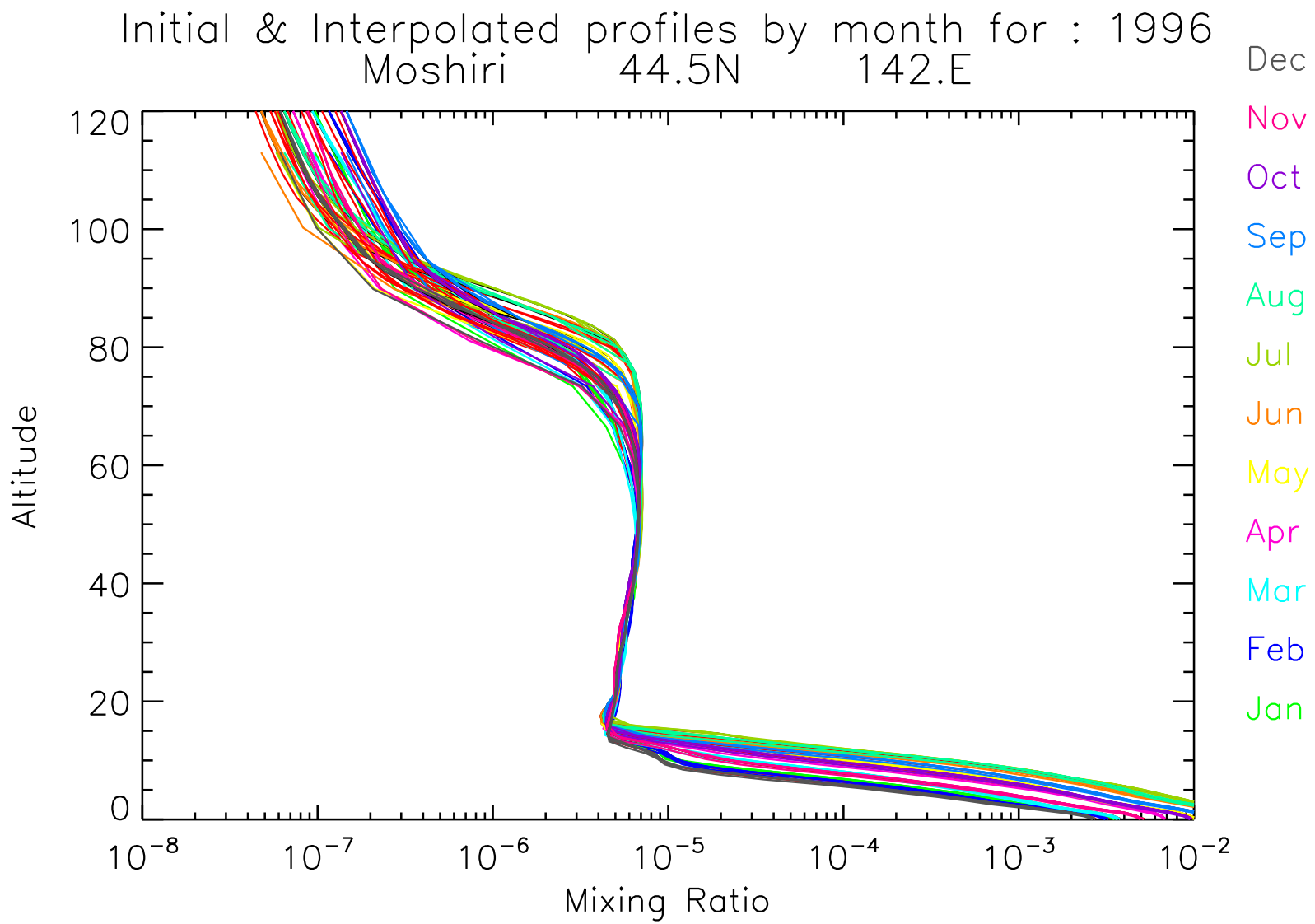
Initial & Interpolated profiles by month for : 1996
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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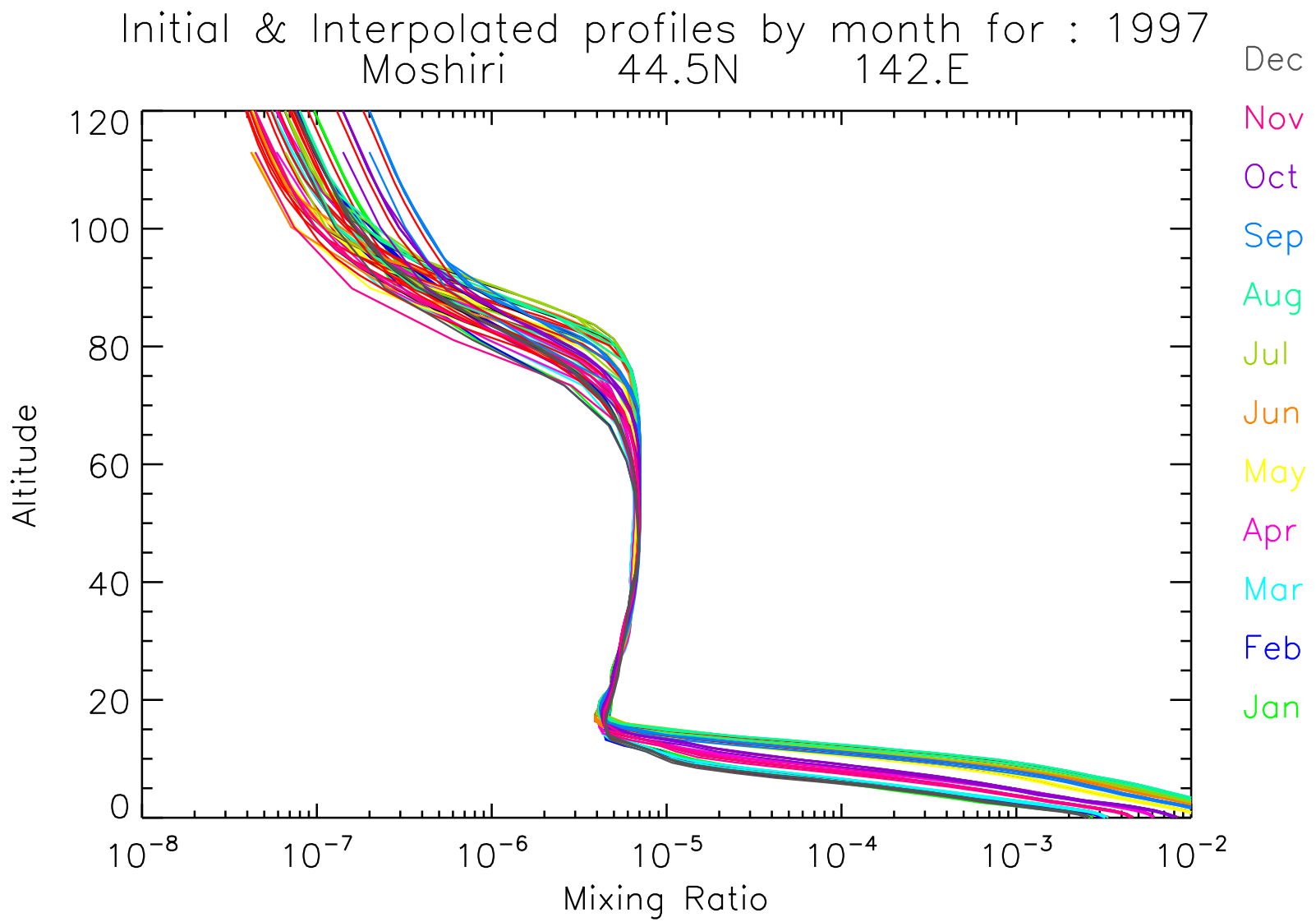
Initial & Interpolated profiles by month for : 1997
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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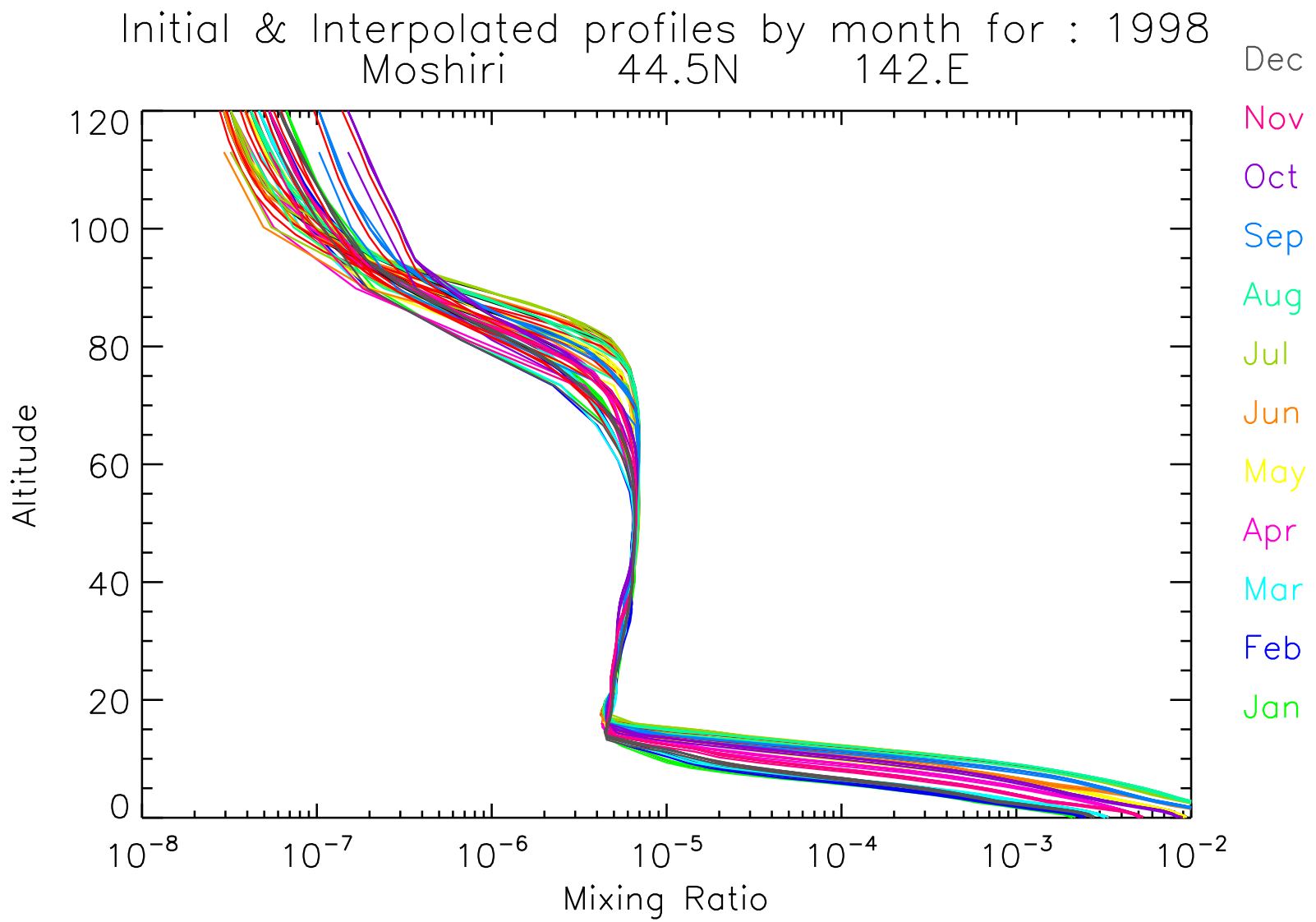
Initial & Interpolated profiles by month for : 1998
Moshiri 44.5N 142.E
Altitude
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Mixing Ratio
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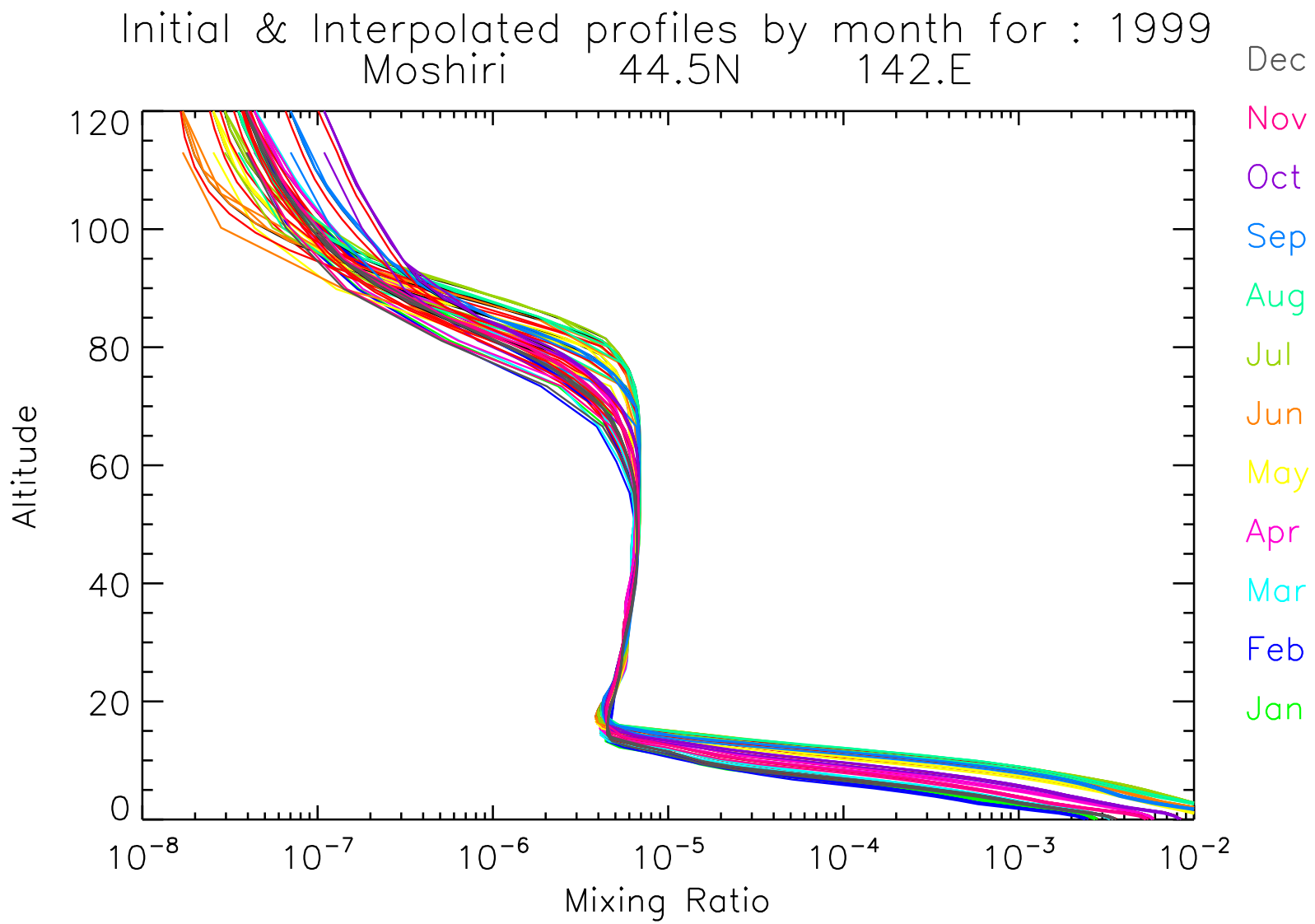
Initial & Interpolated profiles by month for : 1999
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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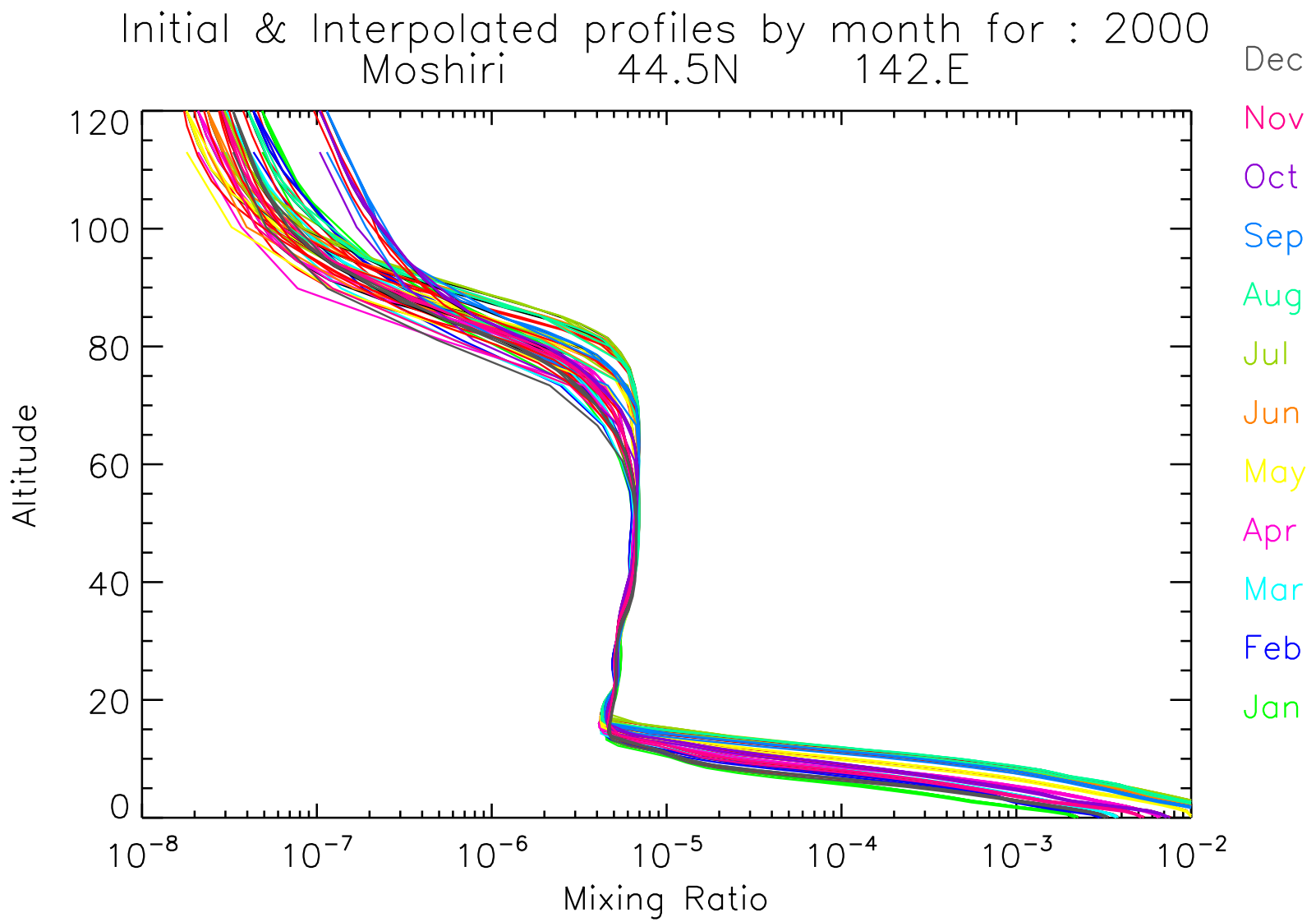
Initial & Interpolated profiles by month for : 2000
Moshiri 44.5N 142.E
Altitude
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Mixing Ratio
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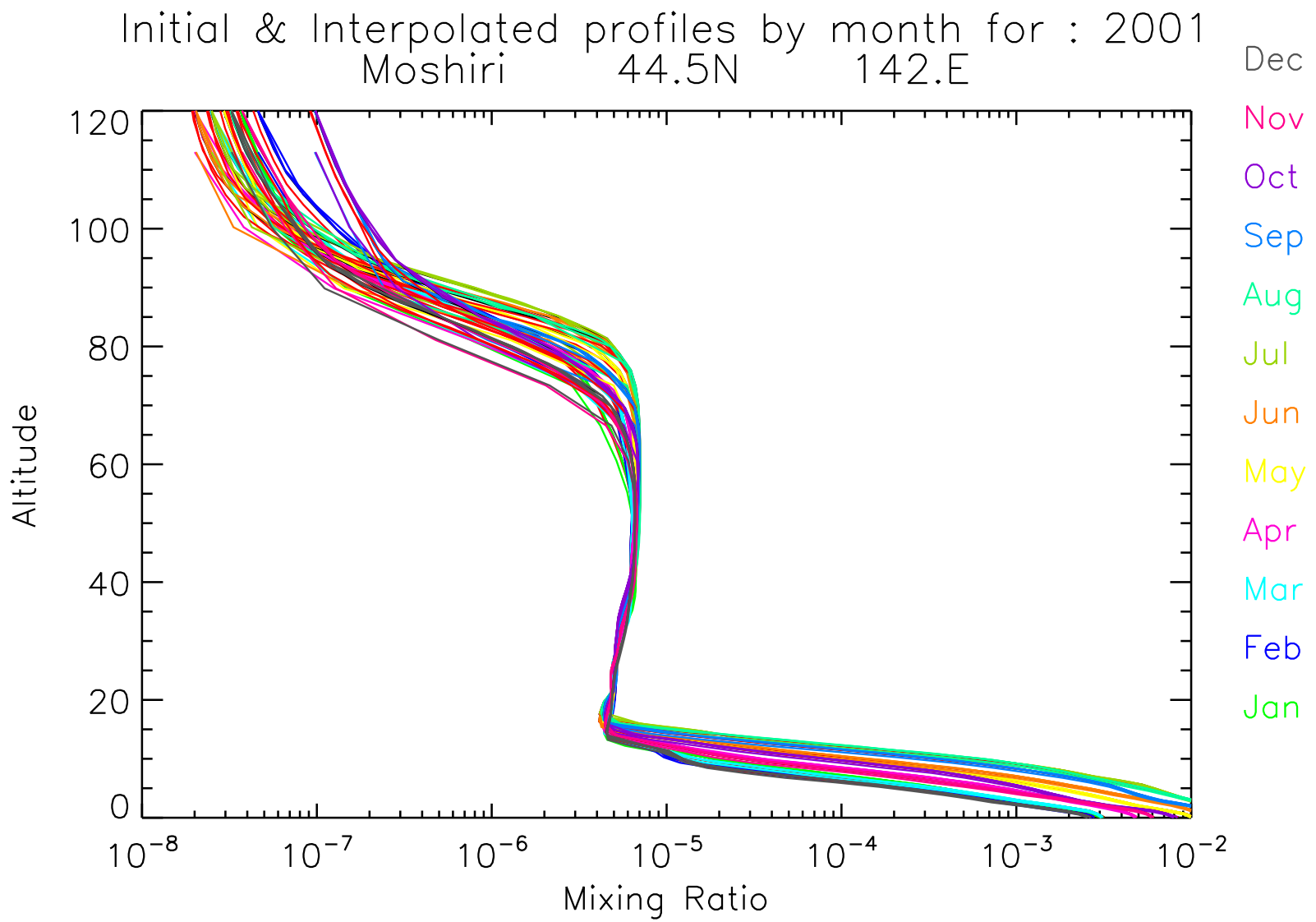
Initial & Interpolated profiles by month for : 2001
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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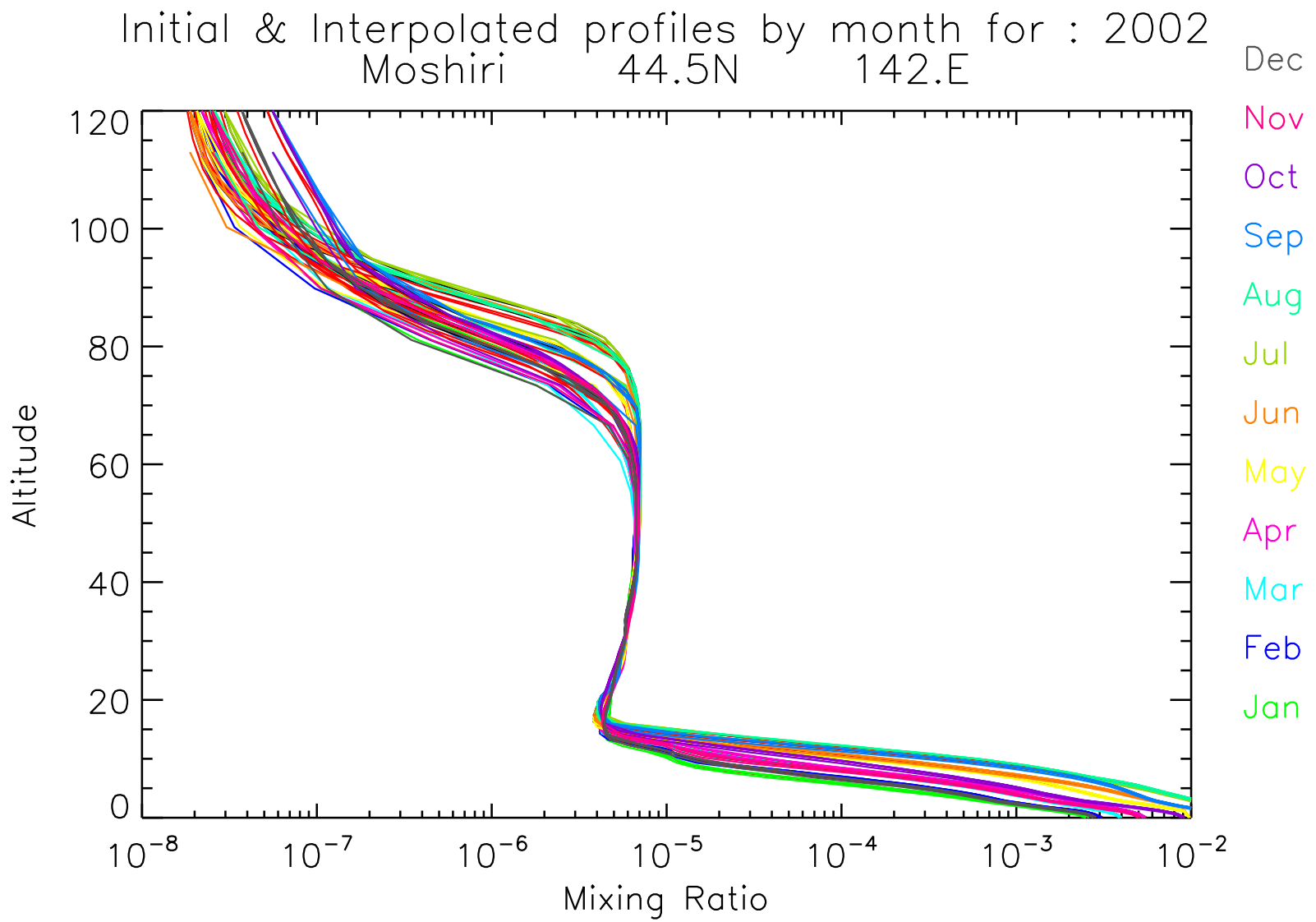
Initial & Interpolated profiles by month for : 2002
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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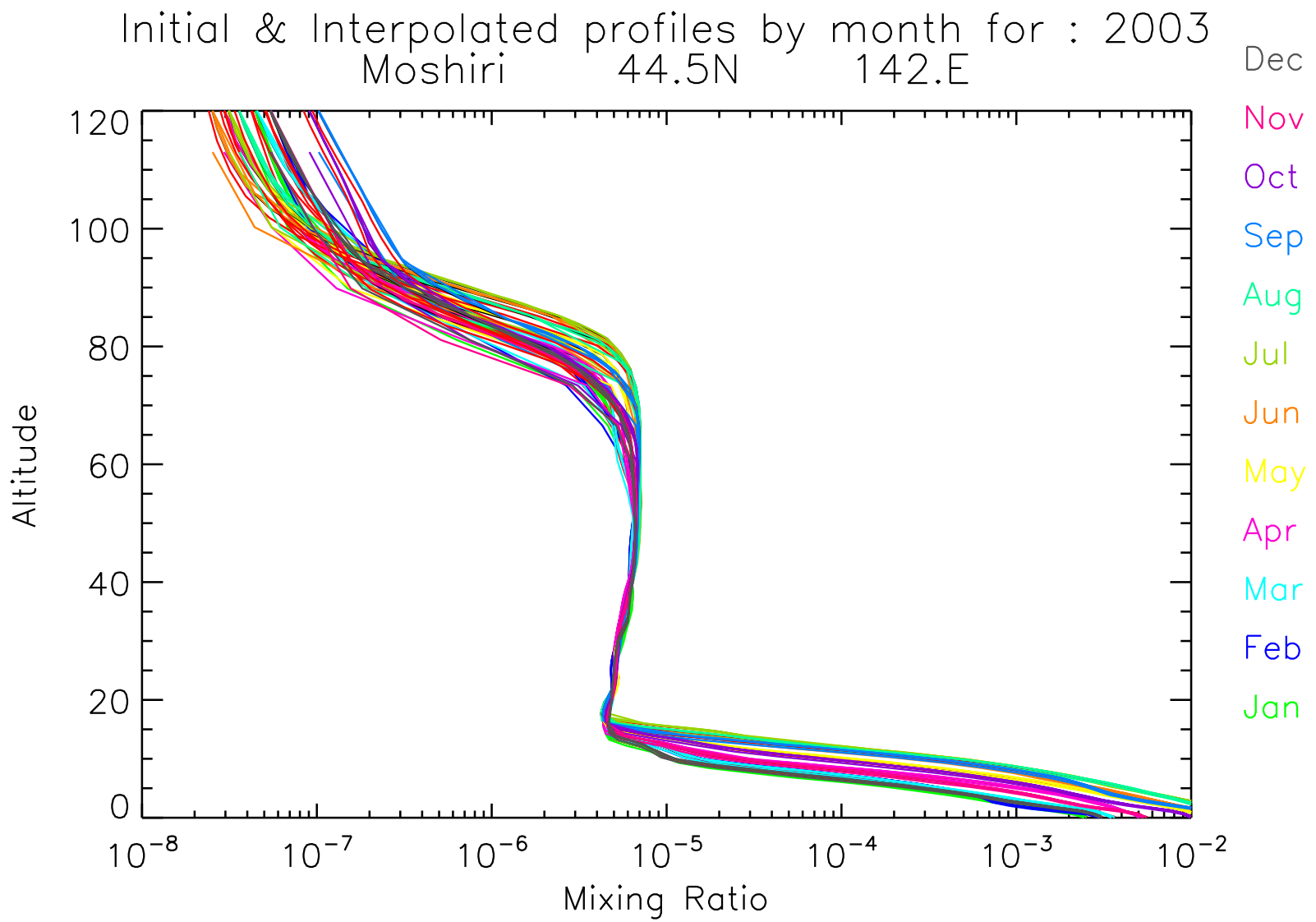
Initial & Interpolated profiles by month for : 2003
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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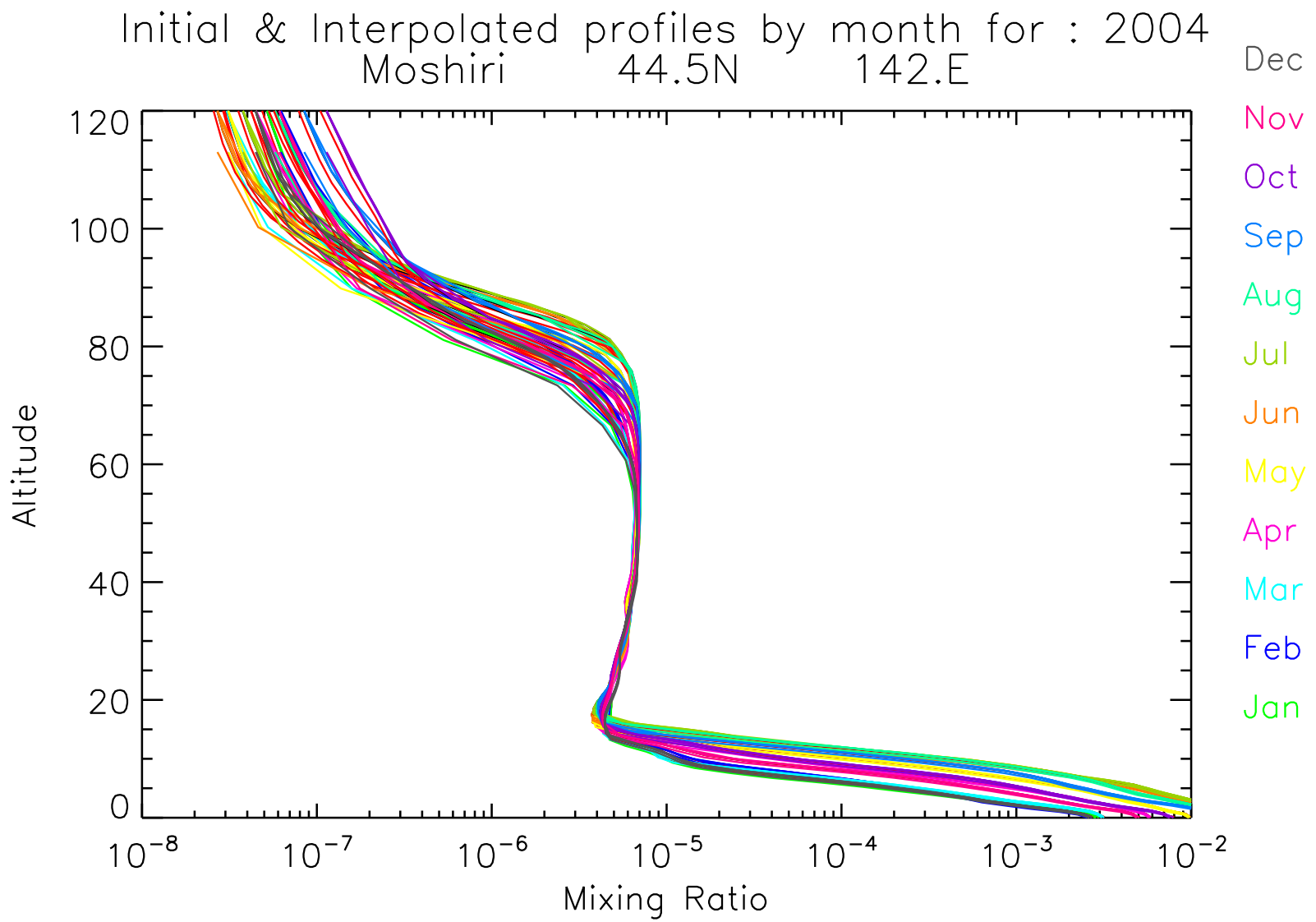
Initial & Interpolated profiles by month for : 2004
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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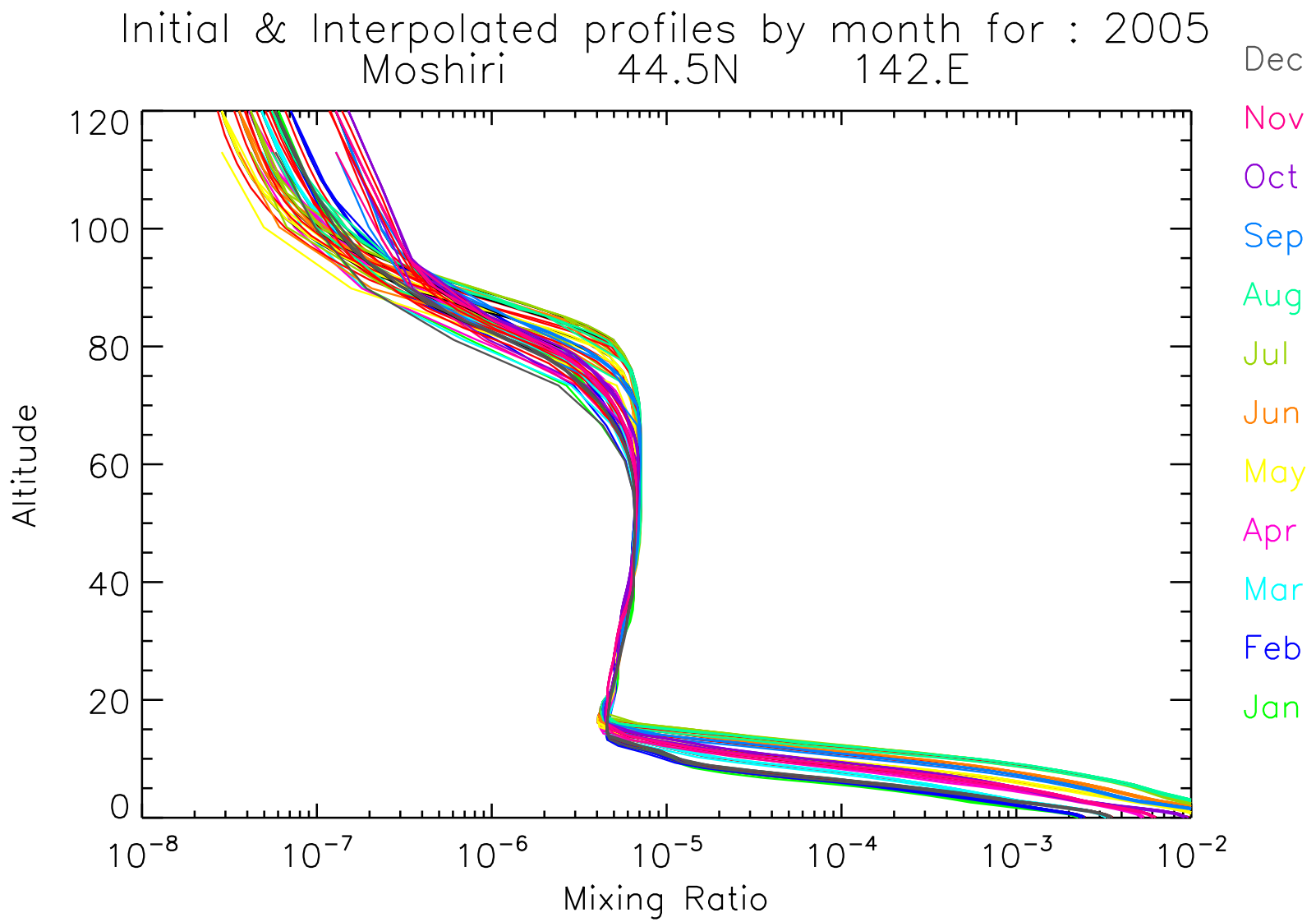
Initial & Interpolated profiles by month for : 2005
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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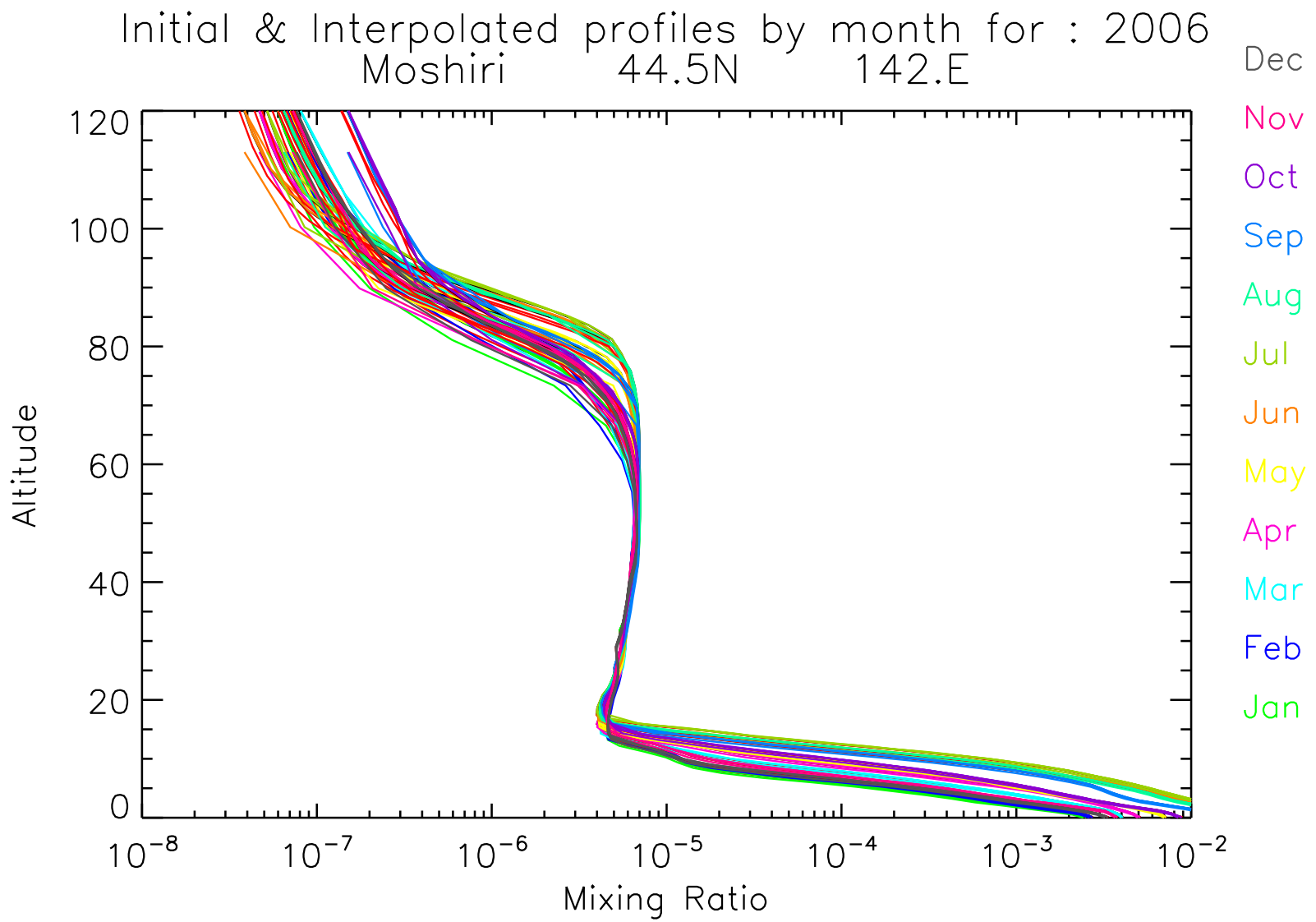
Initial & Interpolated profiles by month for : 2006
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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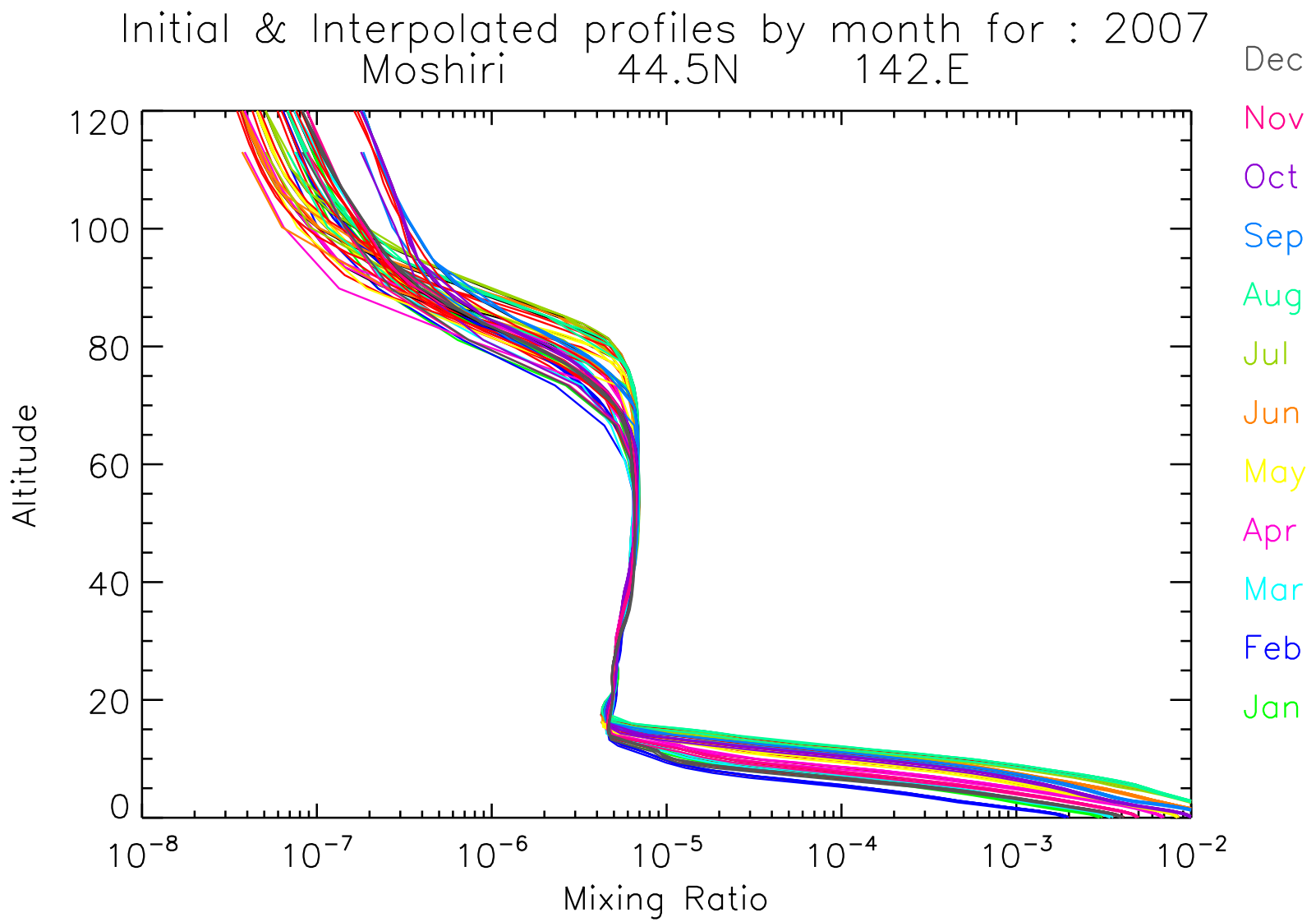
Initial & Interpolated profiles by month for : 2007
Moshiri 44.5N 142.E
Altitude
120
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10^{-8}
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Mixing Ratio
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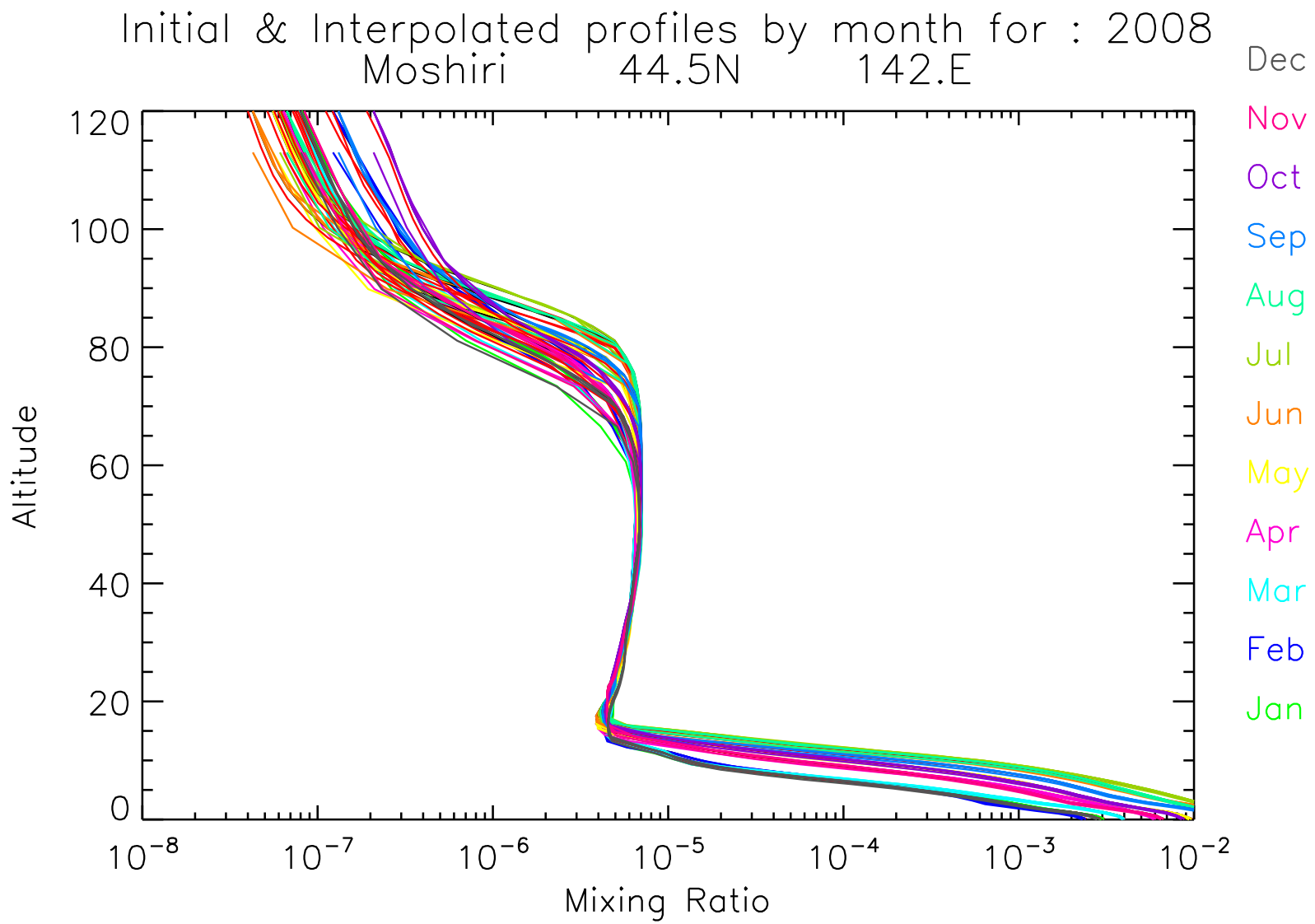
Initial & Interpolated profiles by month for : 2008
Moshiri 44.5N 142.E
Altitude
120
100
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10^{-8}
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Mixing Ratio
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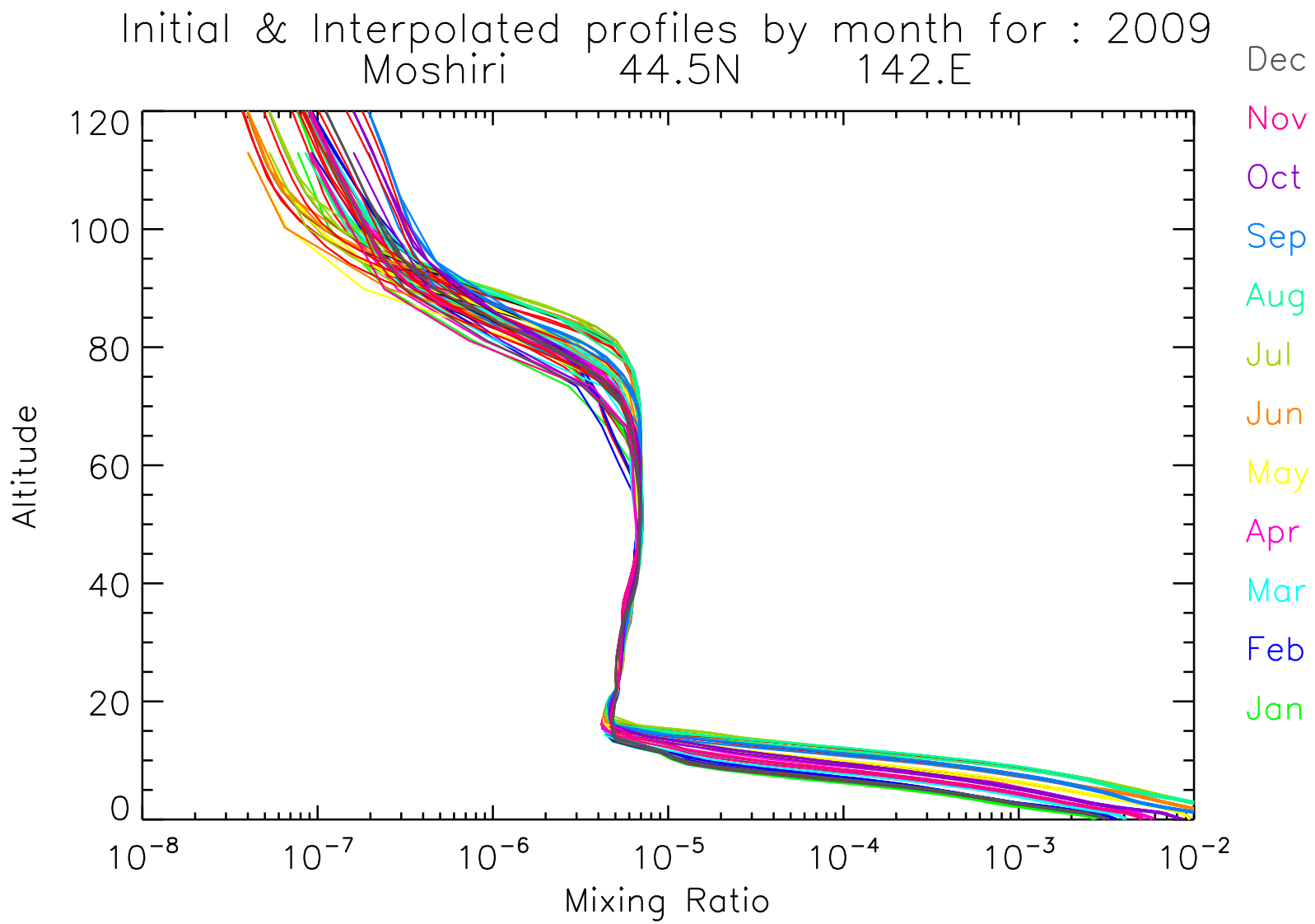
Initial & Interpolated profiles by month for : 2009
Moshiri 44.5N 142.E
Altitude
120
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Mixing Ratio
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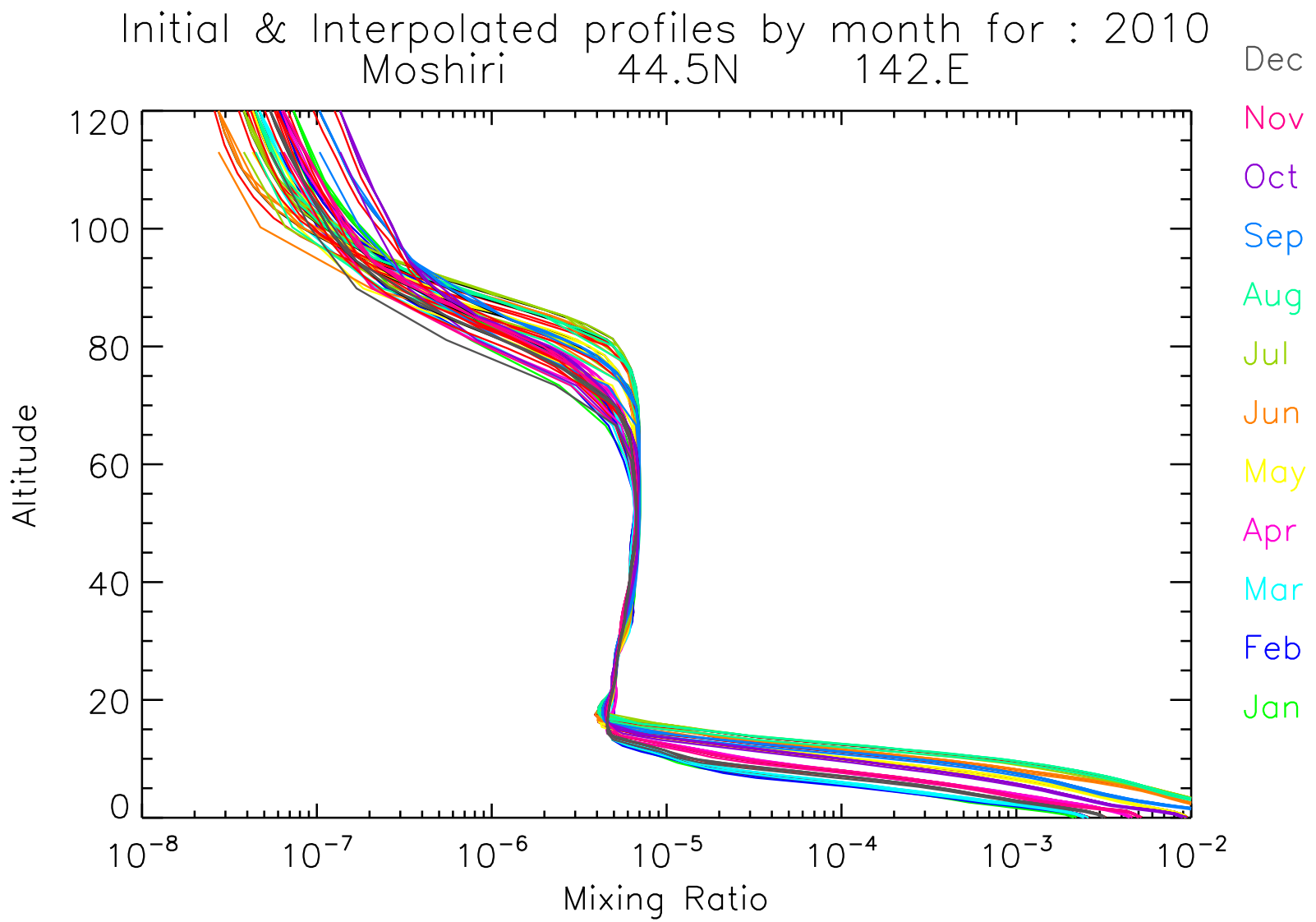
Initial & Interpolated profiles by month for : 2010
Moshiri 44.5N 142.E
Altitude
120
100
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60
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10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
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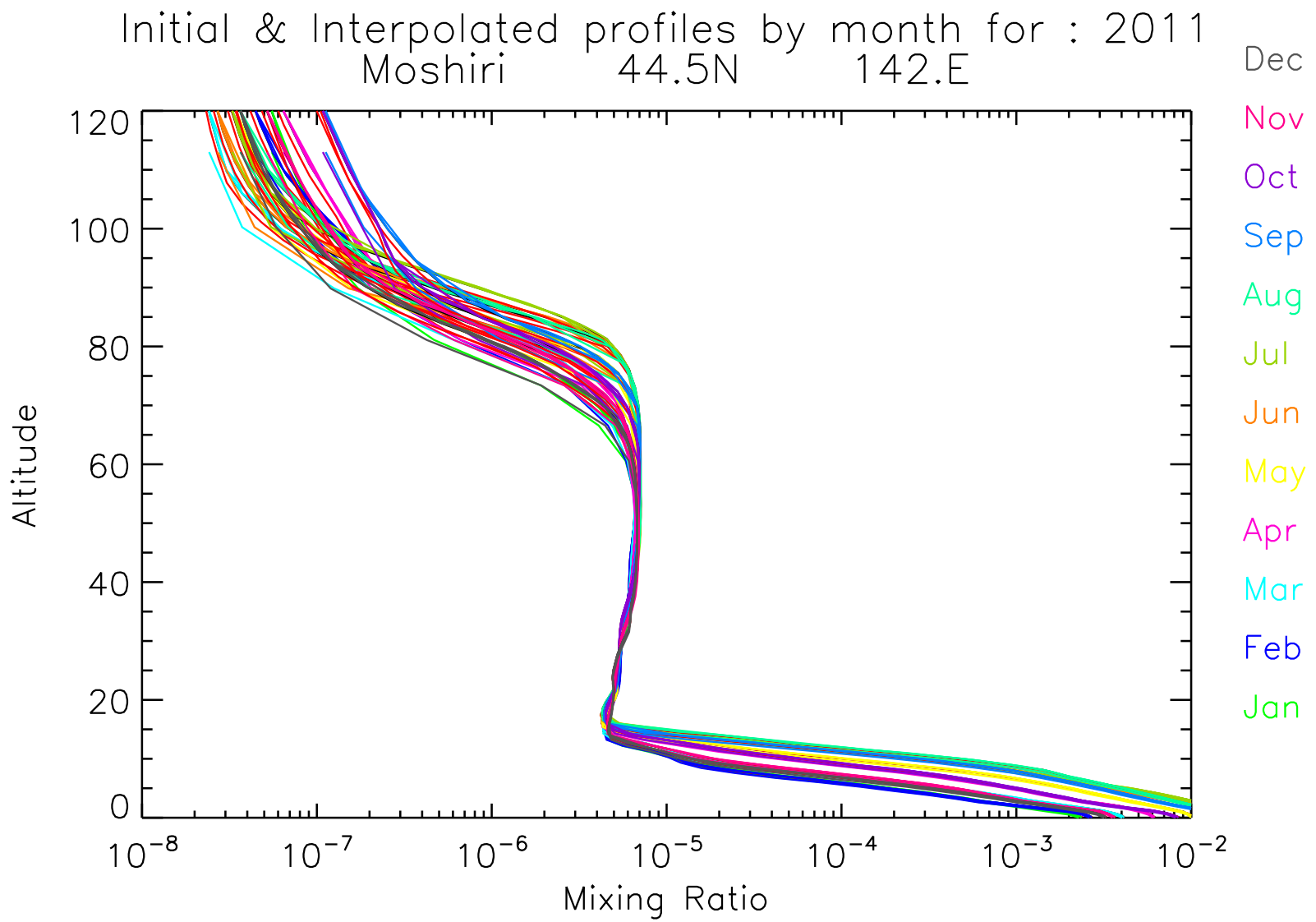
Jan


Initial & Interpolated profiles by month for : 2011
Moshiri 44.5N 142.E
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
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Jul
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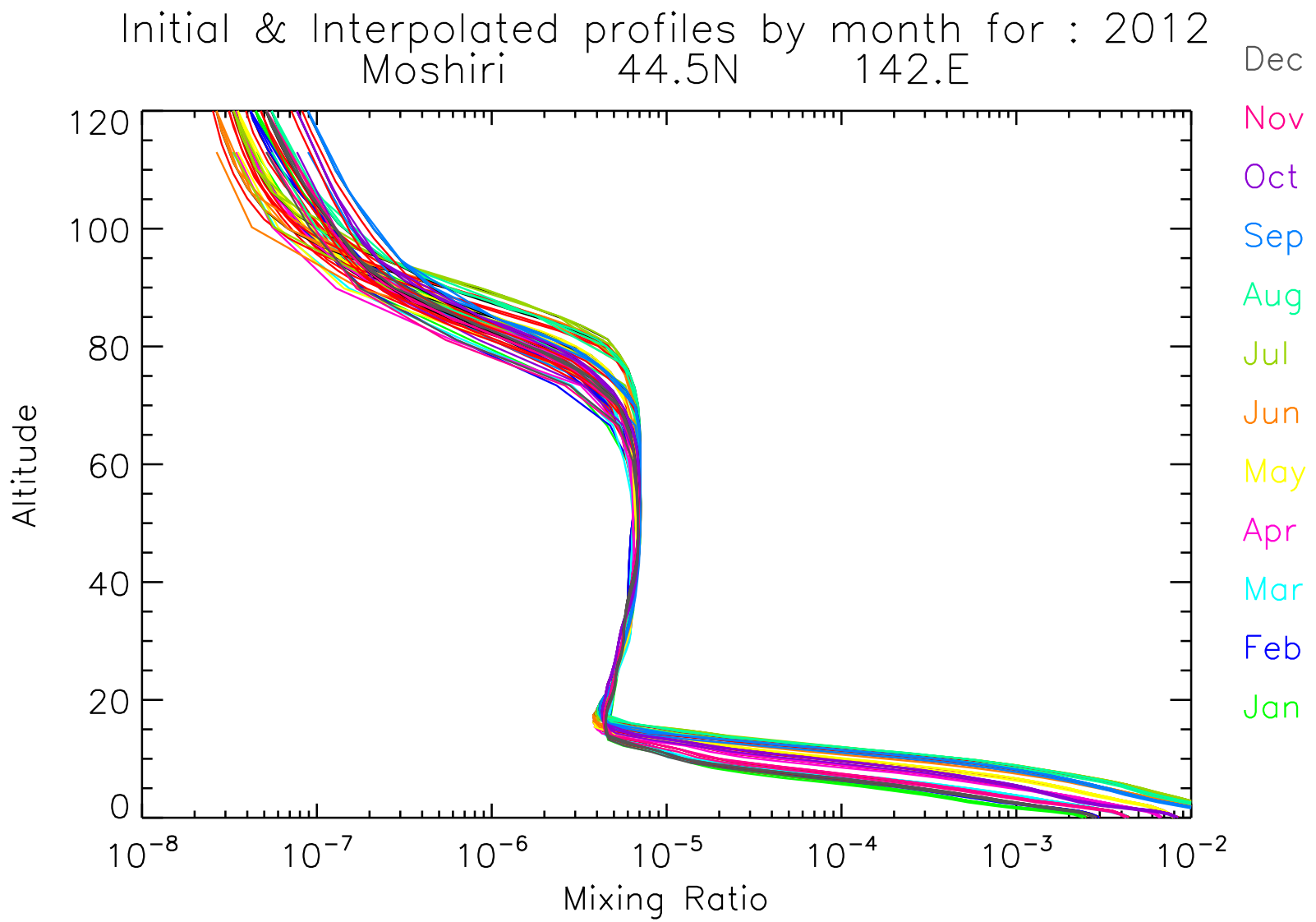
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2012
Moshiri 44.5N 142.E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
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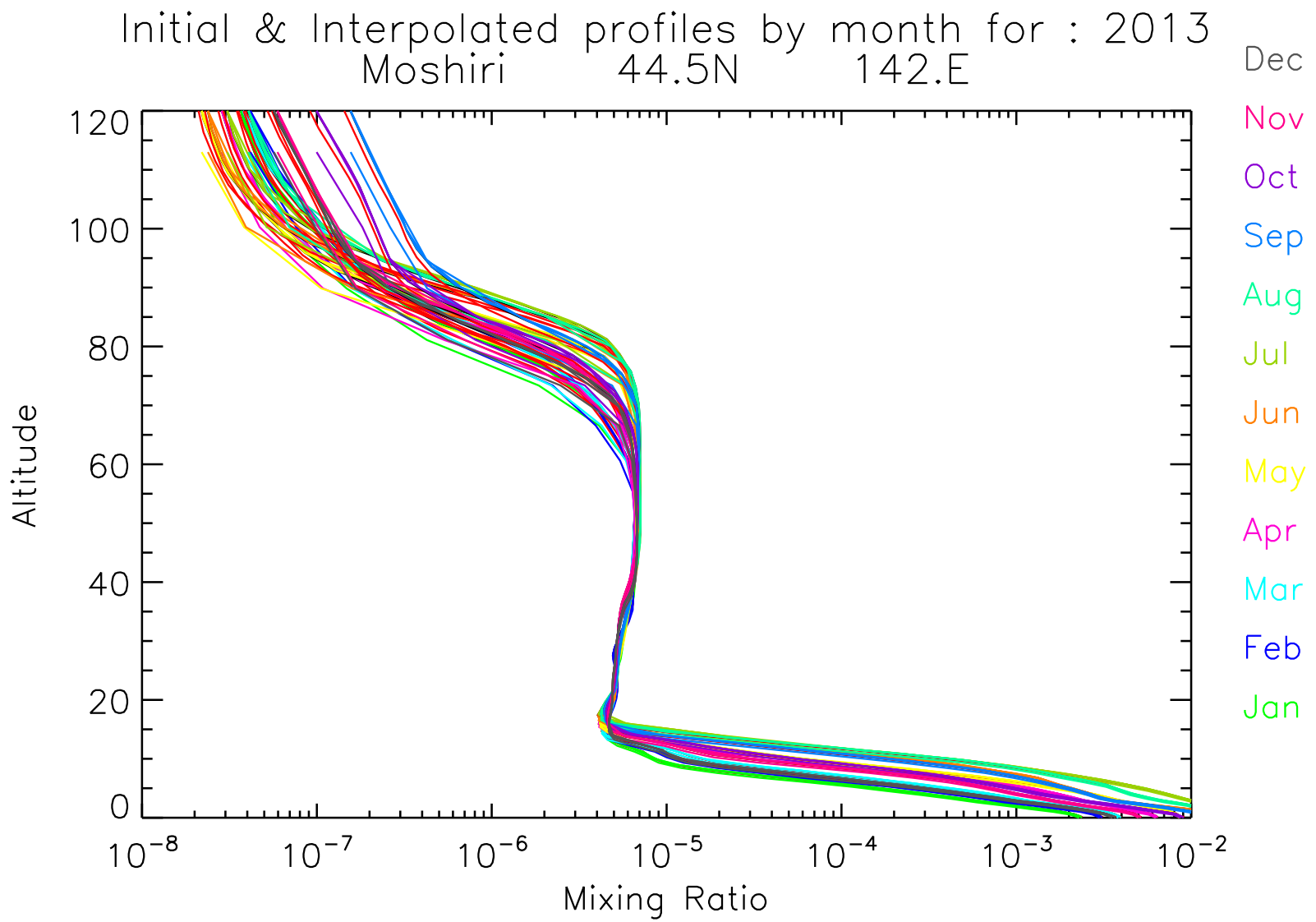
Feb
Jan


Initial & Interpolated profiles by month for : 2013
Moshiri 44.5N 142.E
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
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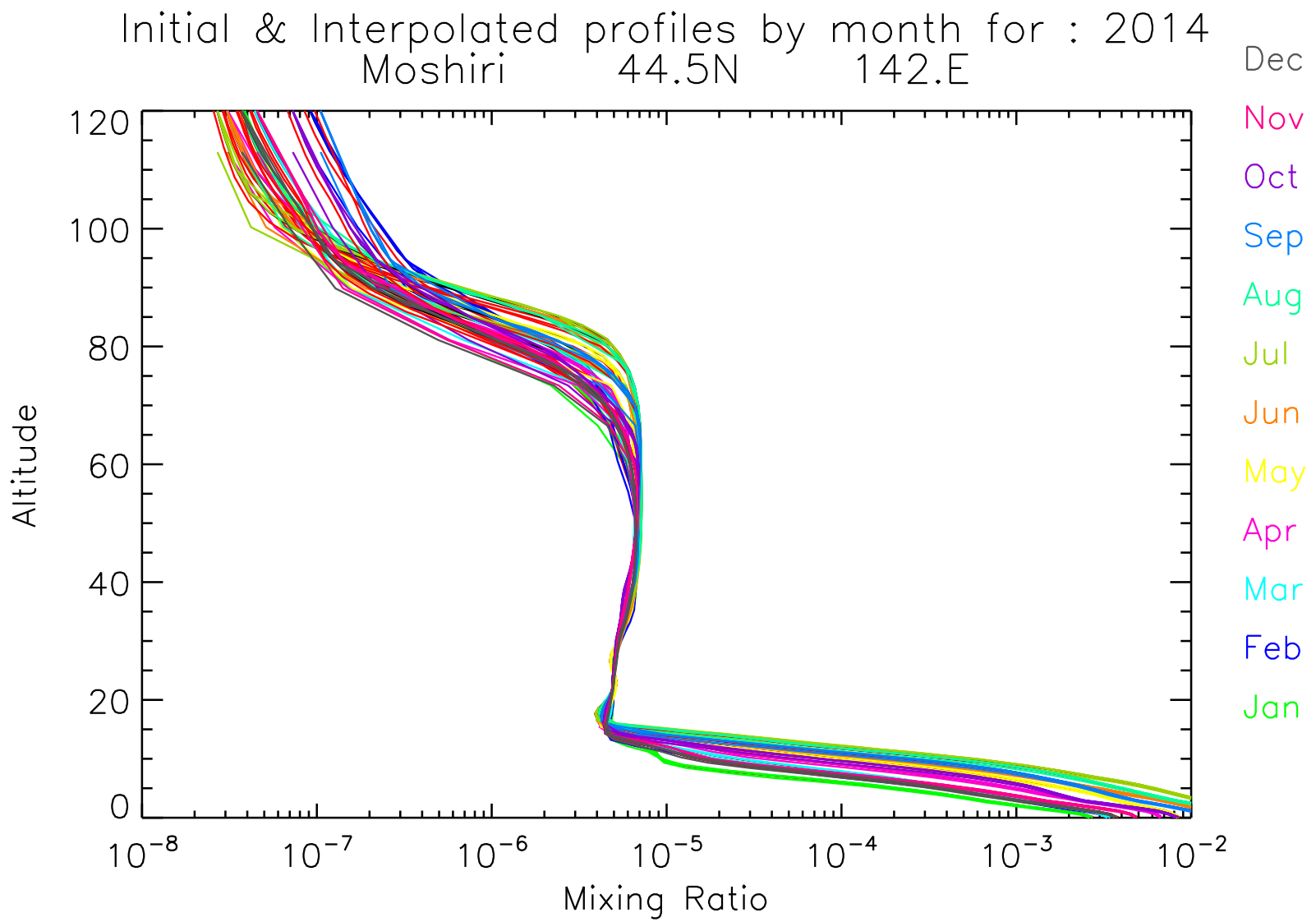
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2014
Moshiri 44.5N 142.E
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
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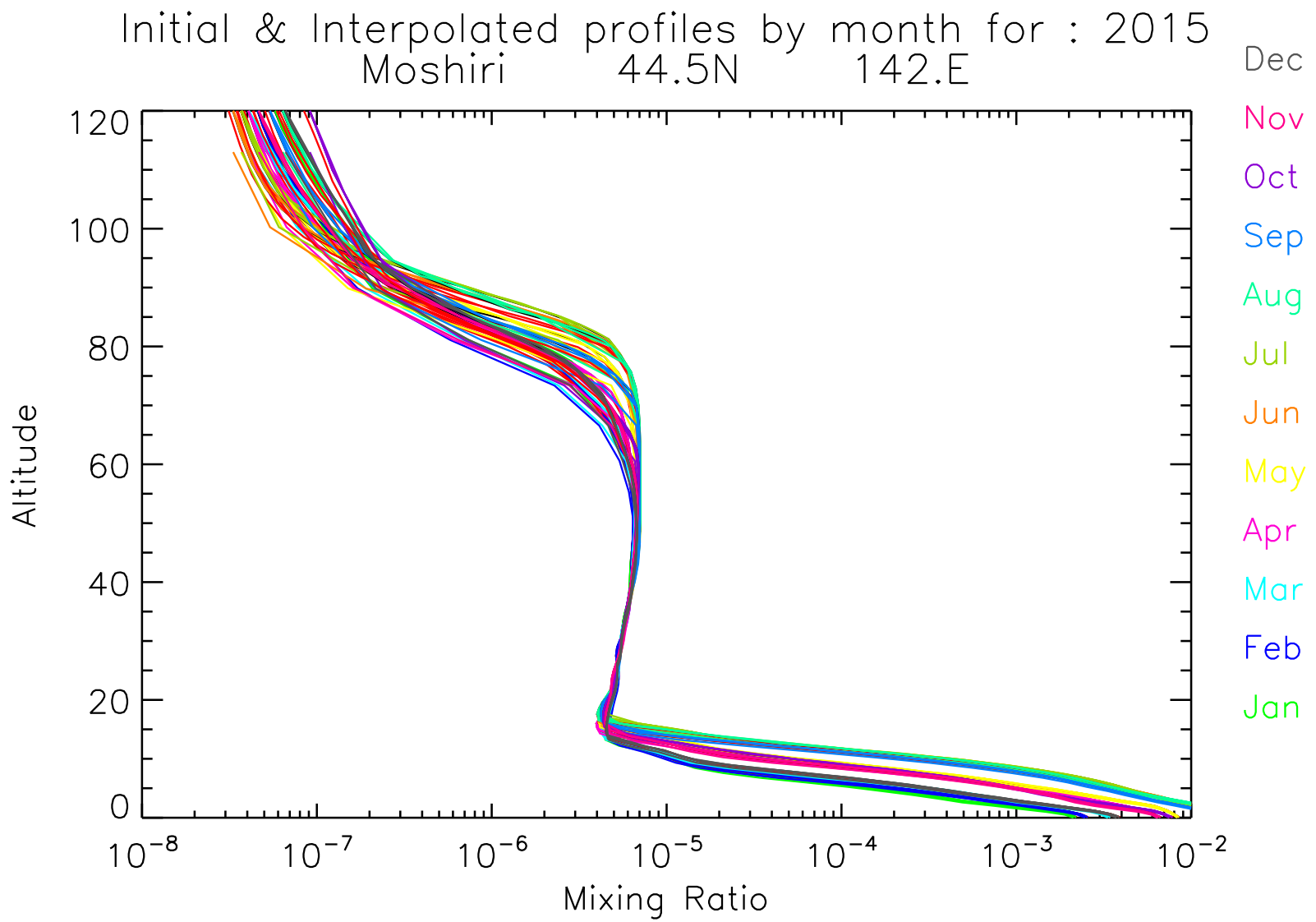
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2015
Moshiri 44.5N 142.E
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
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Aug
Jul
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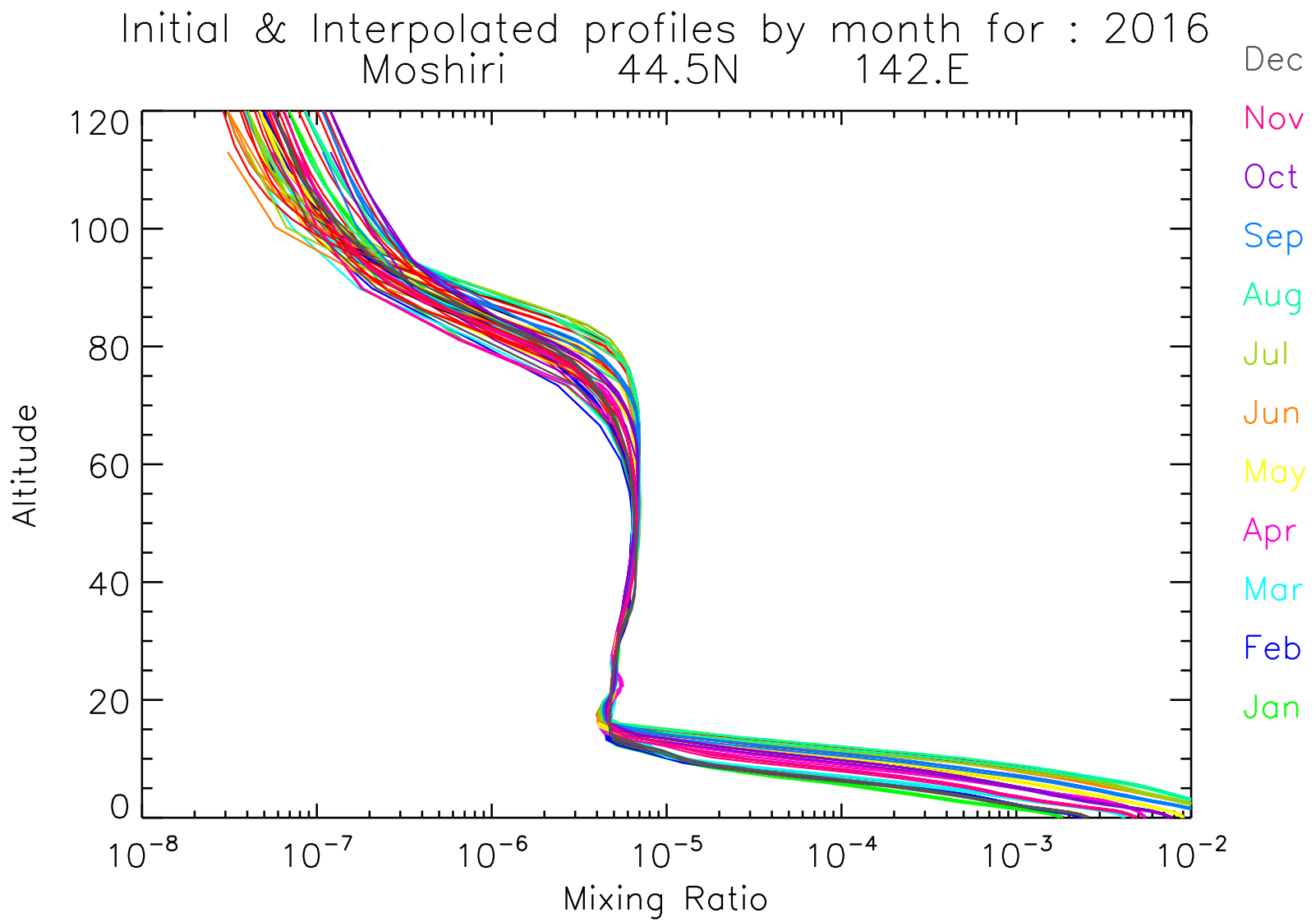
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2016
Moshiri 44.5N 142.E
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
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Jul
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Apr
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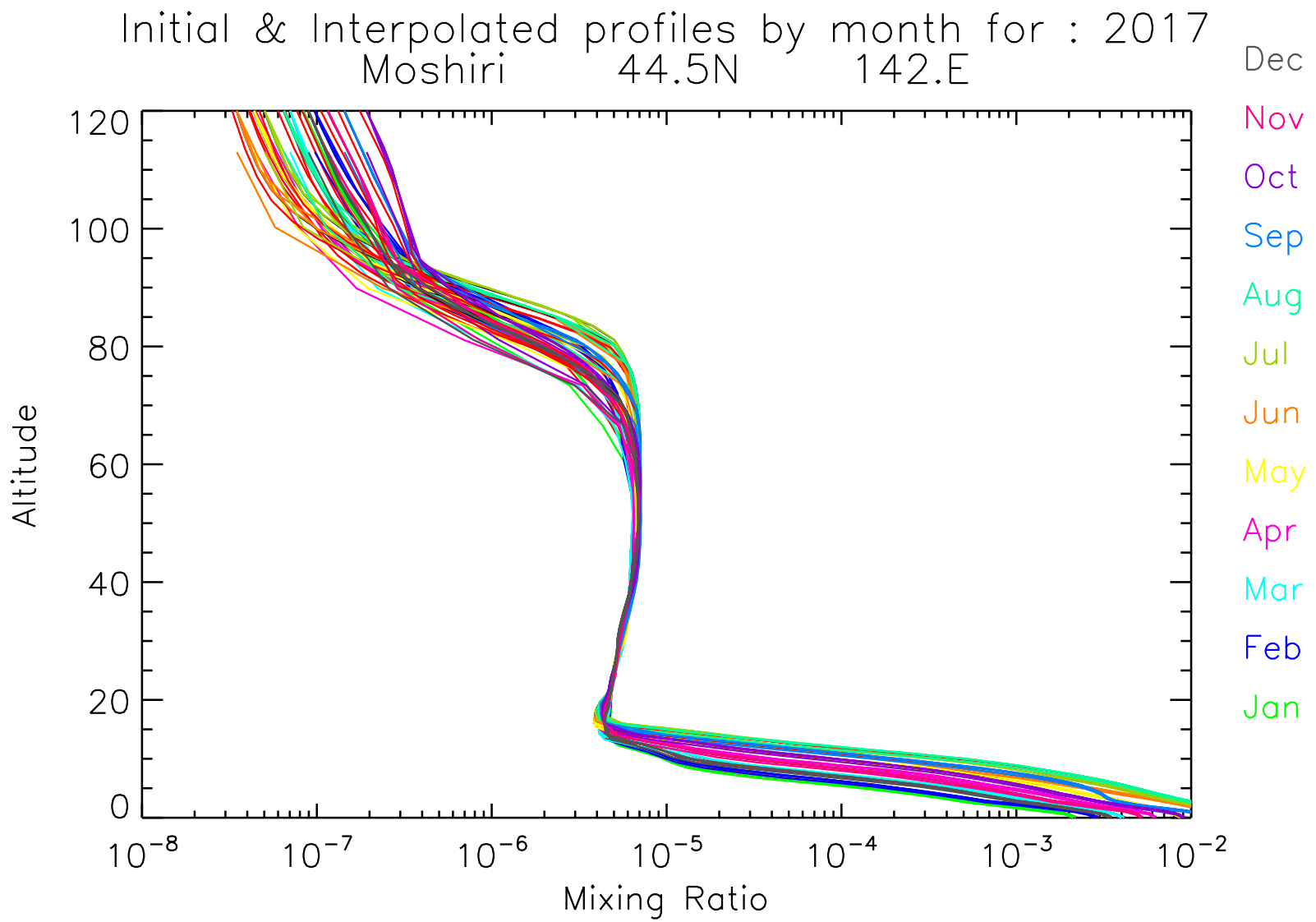
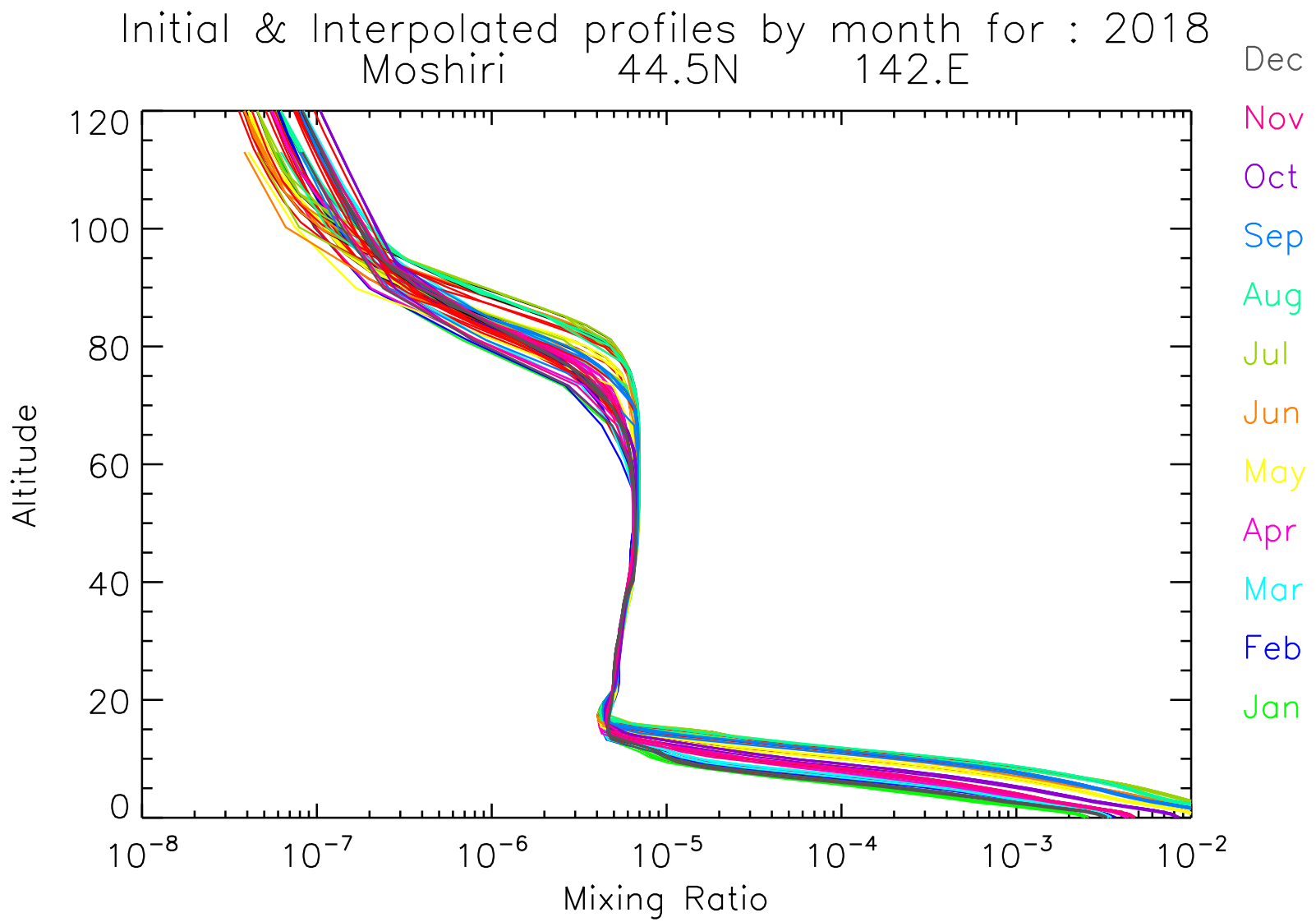
Feb
Jan


Initial & Interpolated profiles by month for : 2017
Moshiri 44.5N 142.E
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
Moshiri 44.5N 142.E
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
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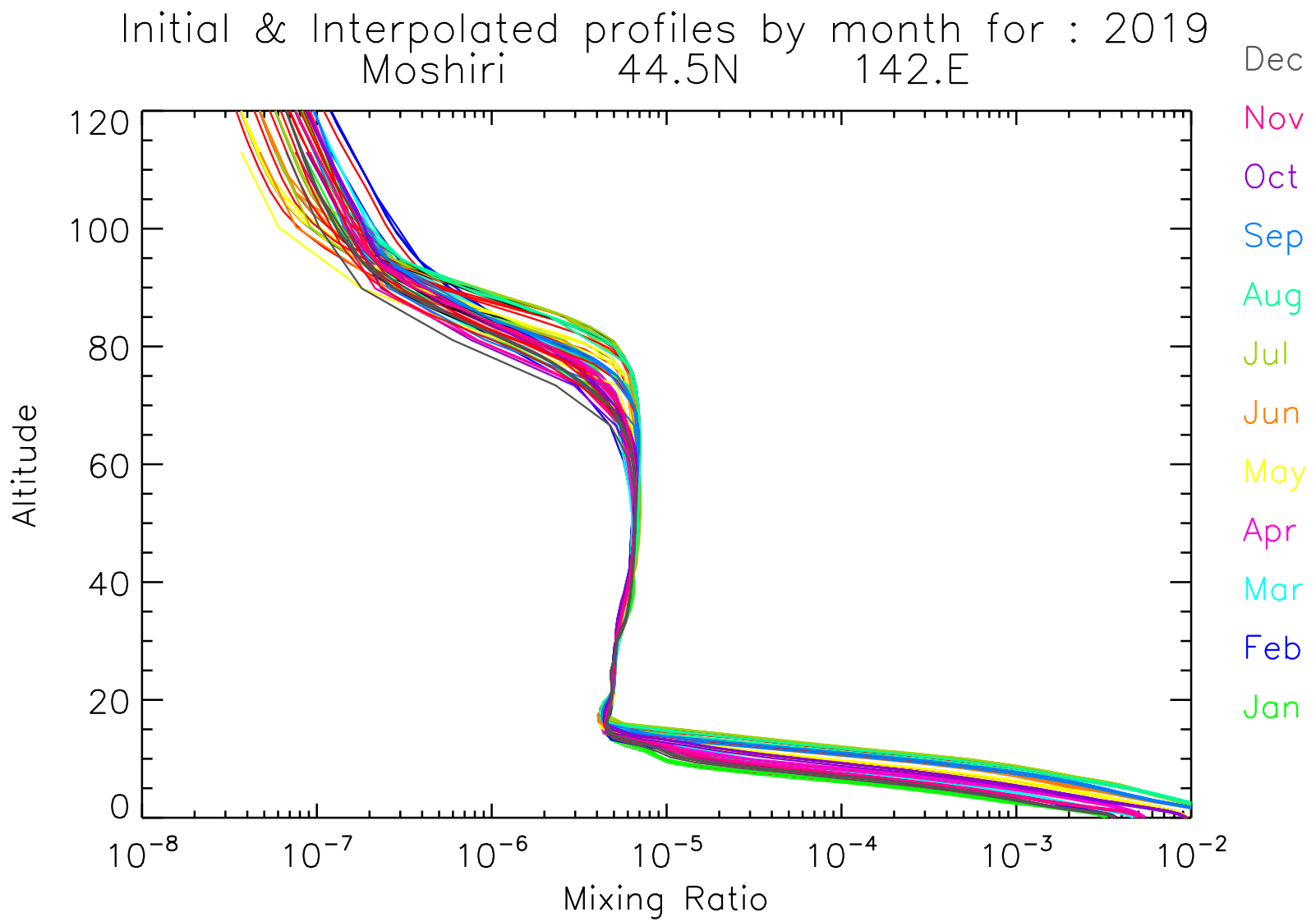
Feb
Jan


Initial & Interpolated profiles by month for : 2019
Moshiri 44.5N 142.E
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
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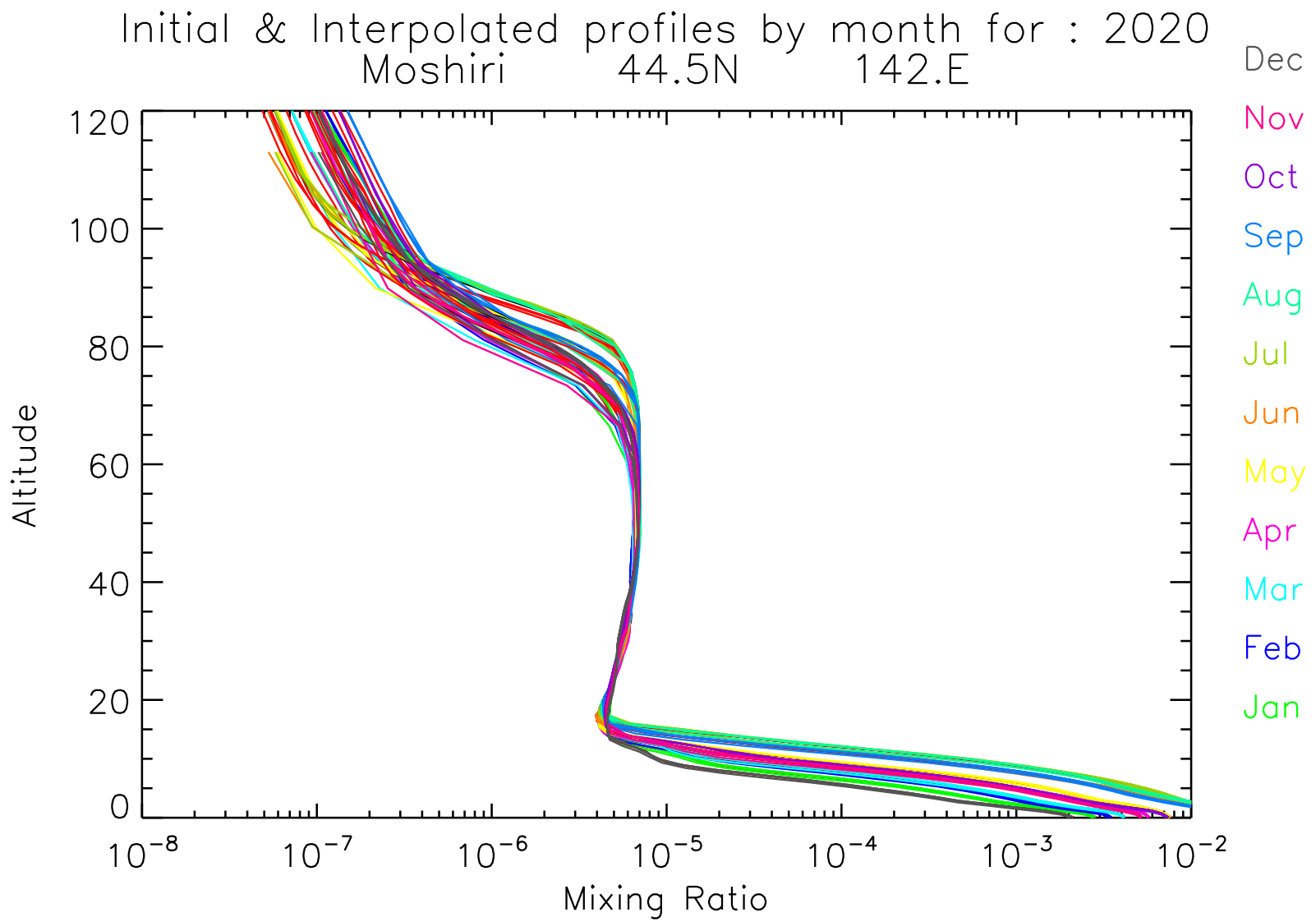
Jan


Initial & Interpolated profiles by month for : 2020
Moshiri 44.5N 142.E
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
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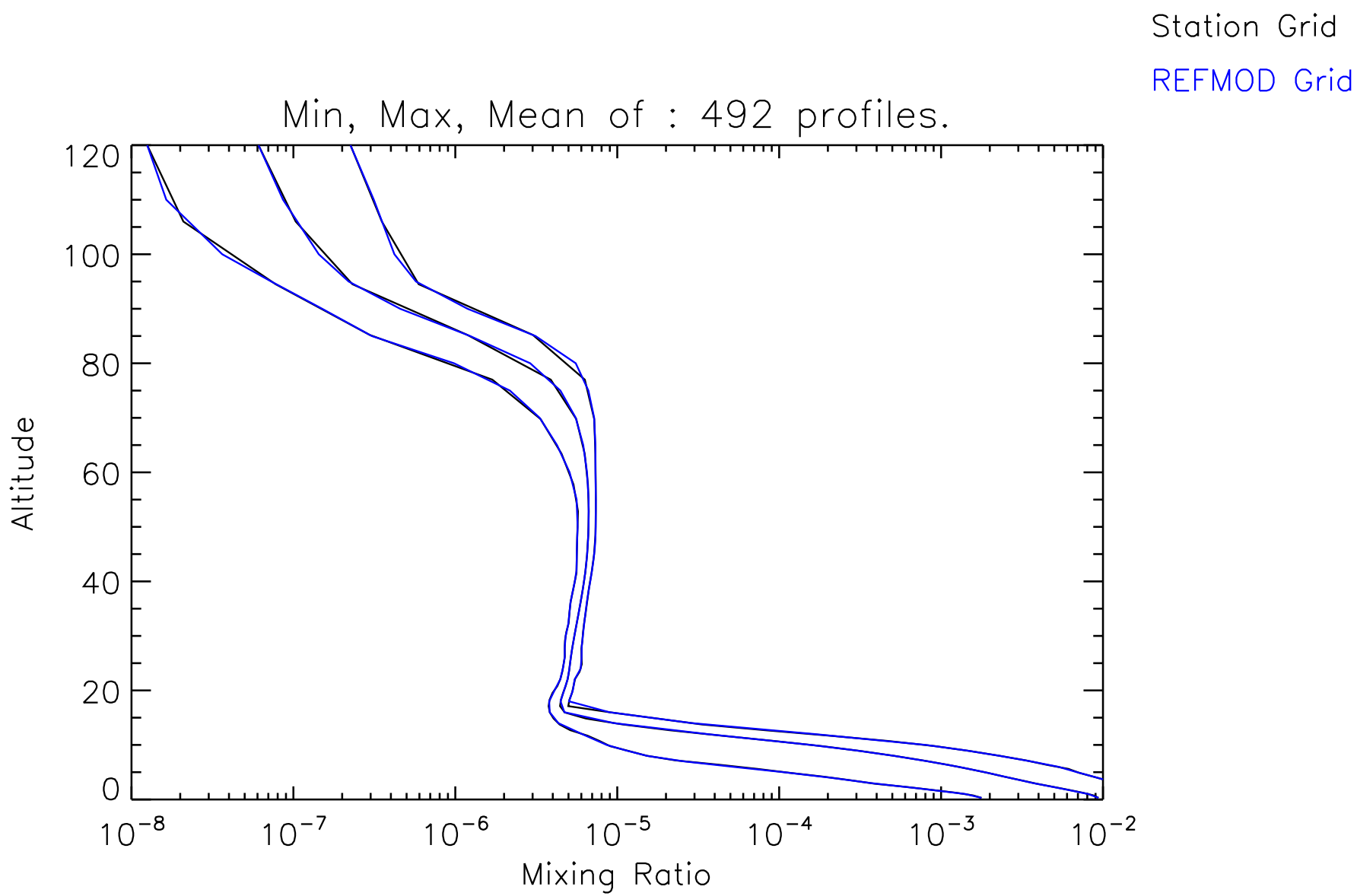
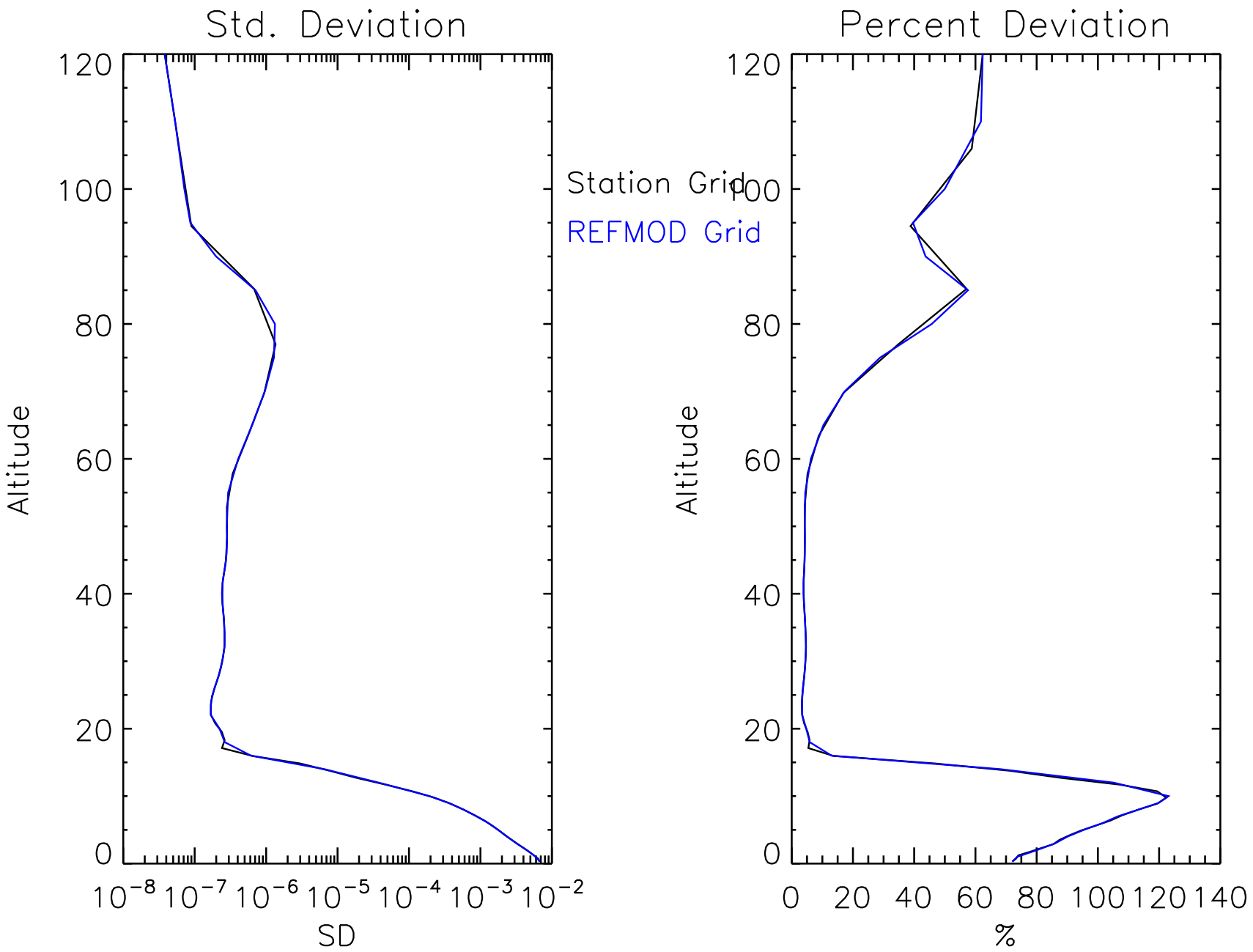
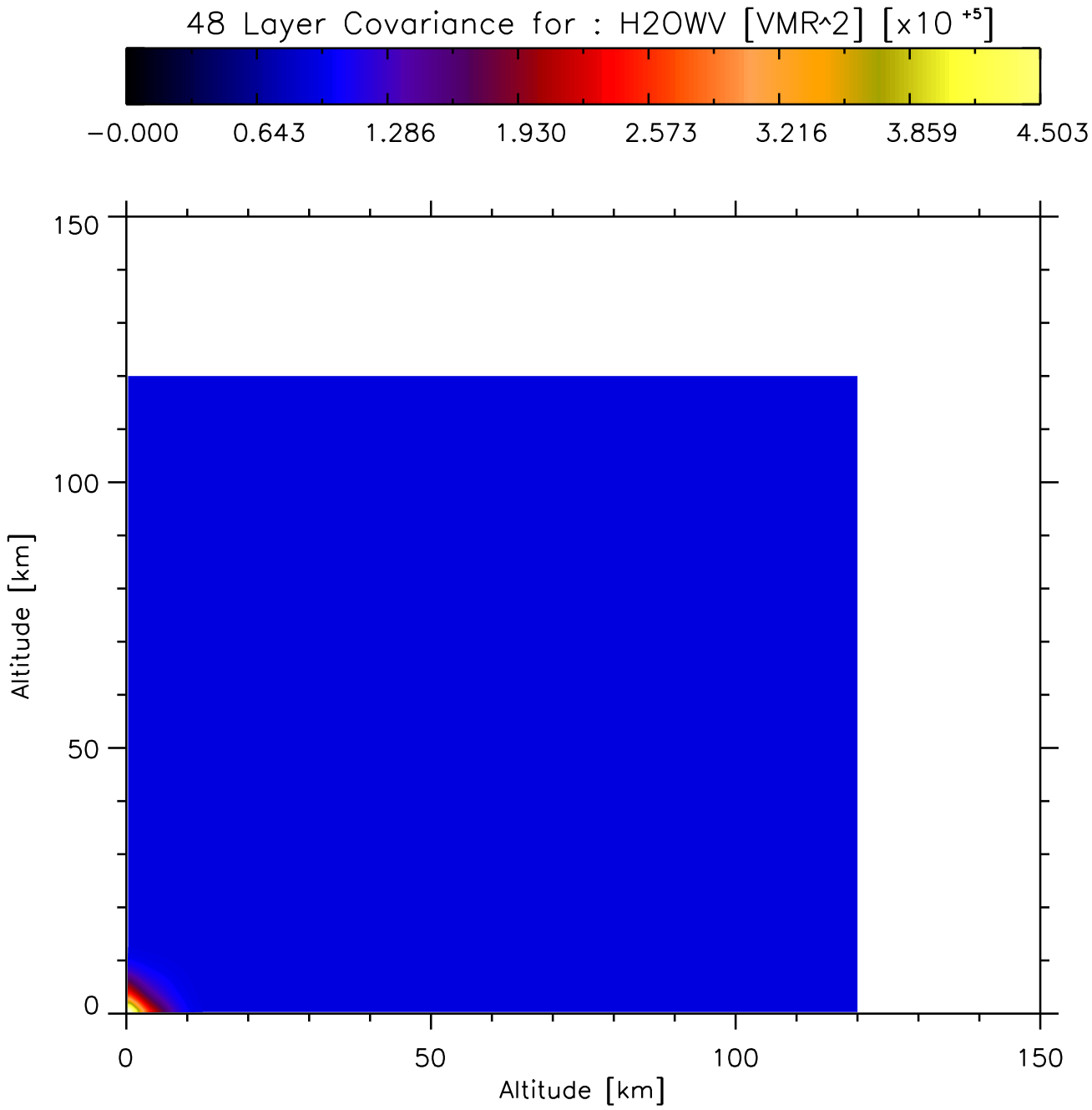
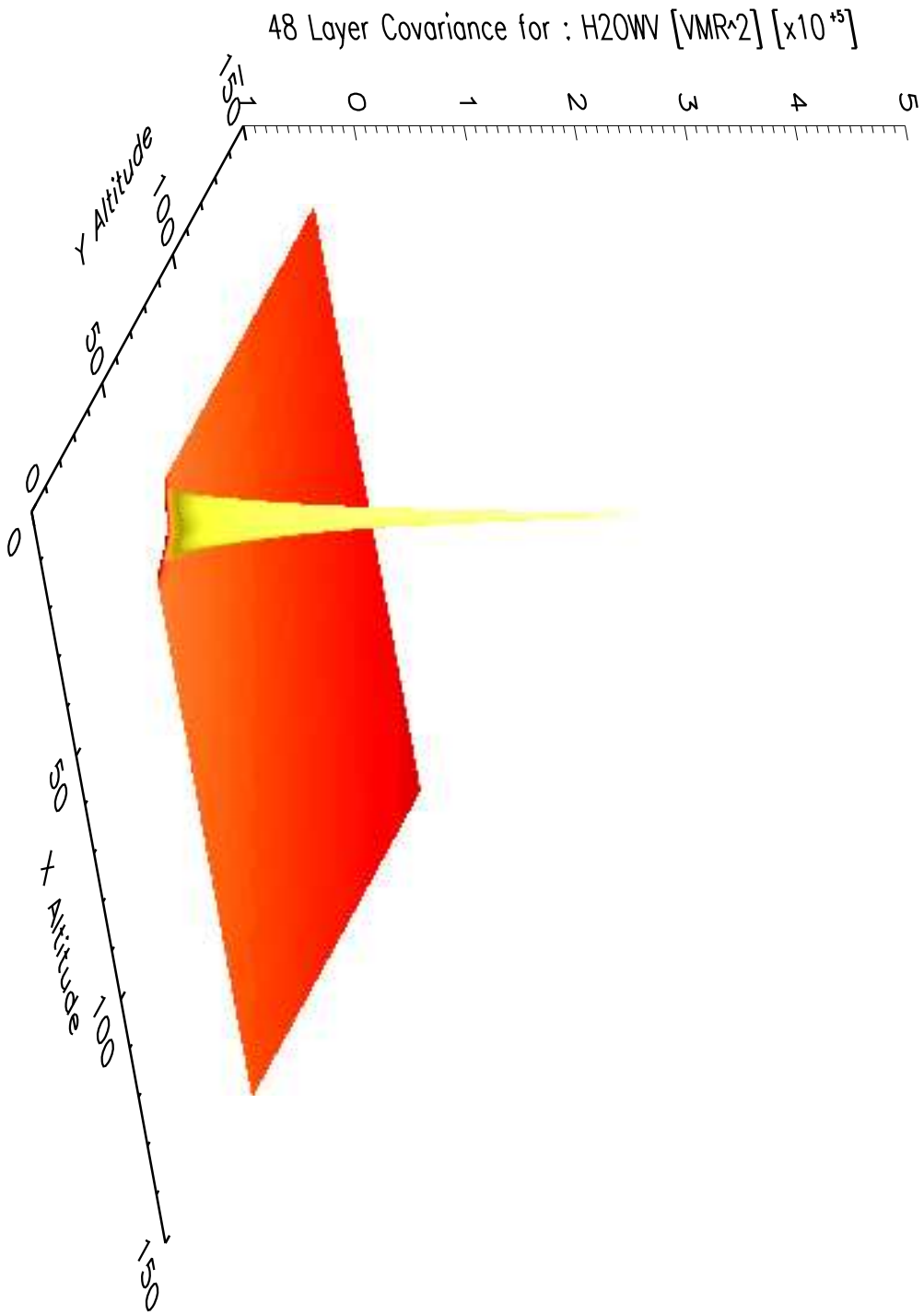
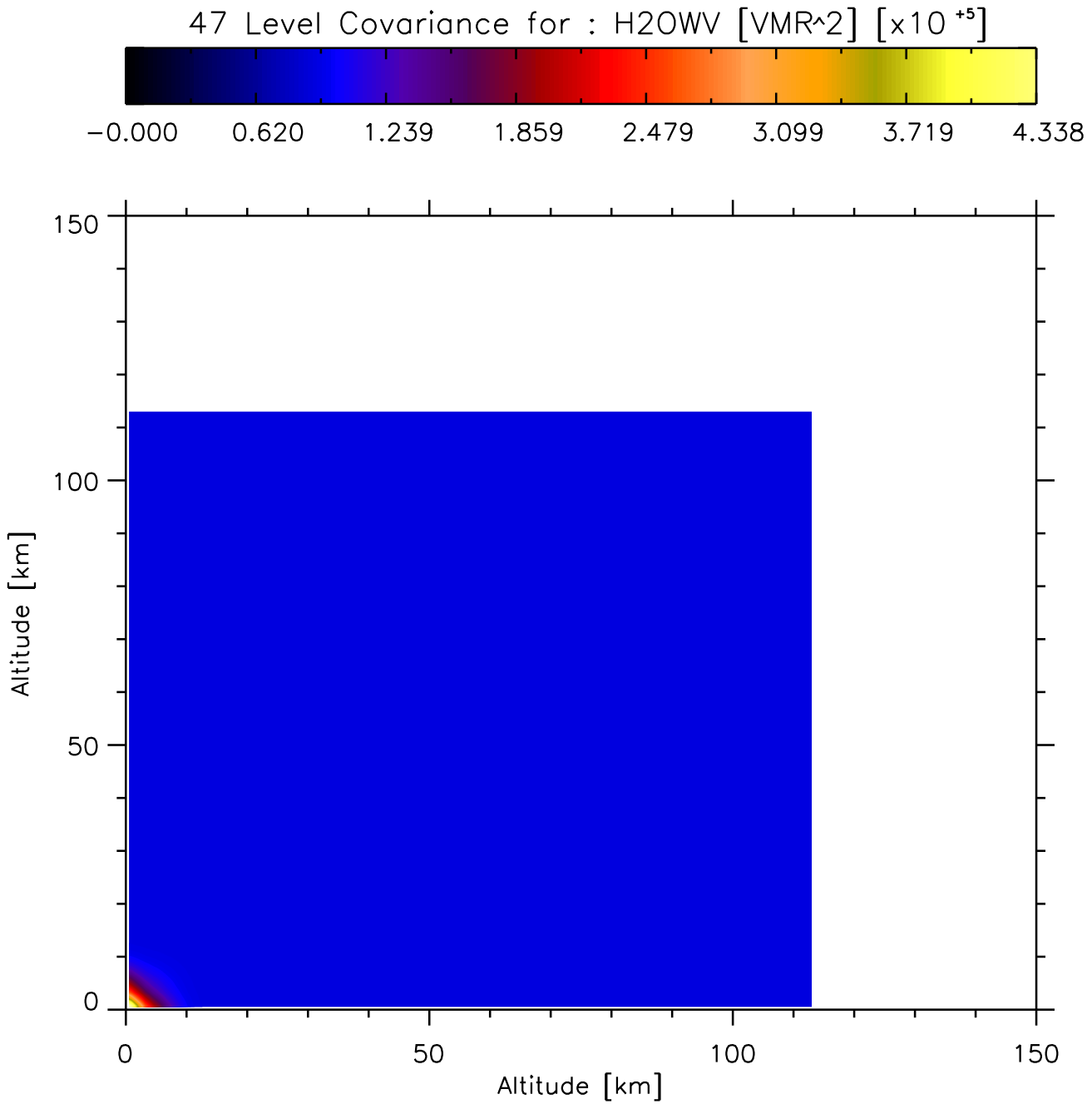
Feb
Jan

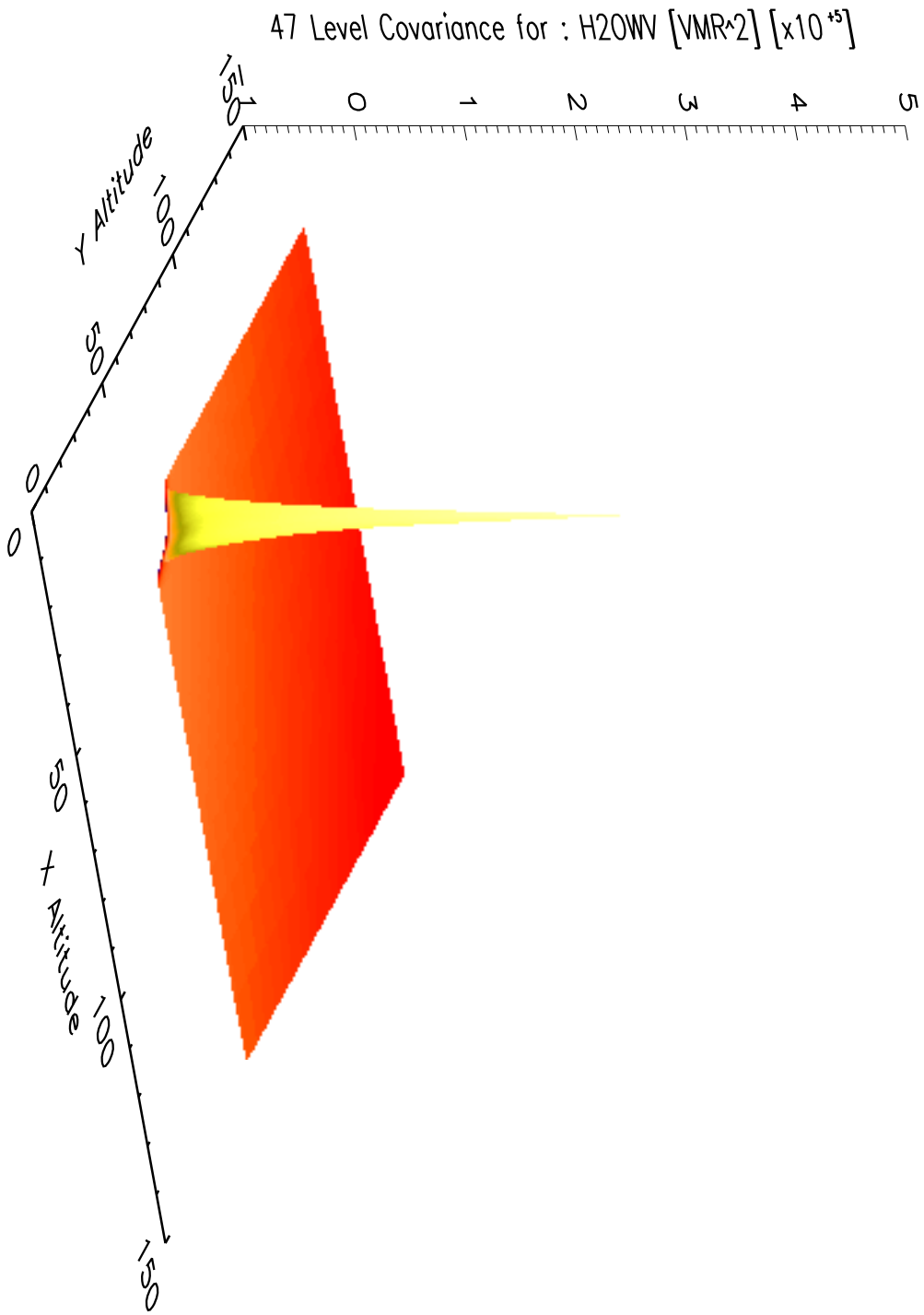

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio


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 80 100 120 140
%


48 Layer Covariance for : H2OWV [VMR^2] [x10 +5]
−0.000
0.643
1.286
1.930
2.573
3.216
3.859
4.503
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


48 Layer Covariance for : H2OWV [VMR^2] [x10^-5]
0
1
2
3
4
5
Y Altitude
0
50
100
150
X Altitude
0
50
100
150


47 Level Covariance for : H2OWV [VMR^2] [x10 +5]
−0.000
0.620
1.239
1.859
2.479
3.099
3.719
4.338
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


47 Level Covariance for : H2OWV [VMR^2] [x10^-5]
0
1
2
3
4
5
Y Altitude
150
100
50
0
X Altitude
150
100
50
0