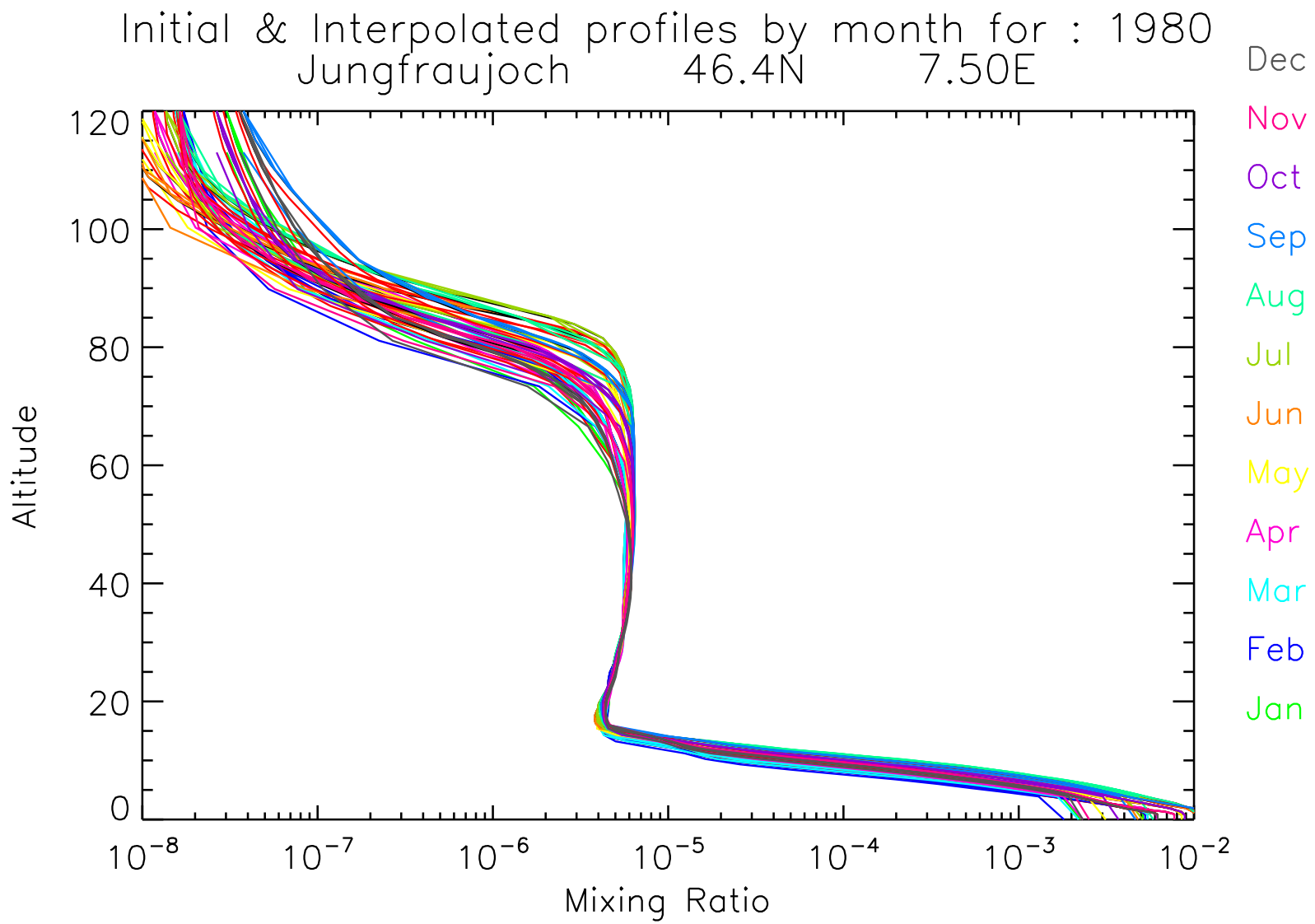
Initial & Interpolated profiles by month for : 1980
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Altitude
120
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Mixing Ratio
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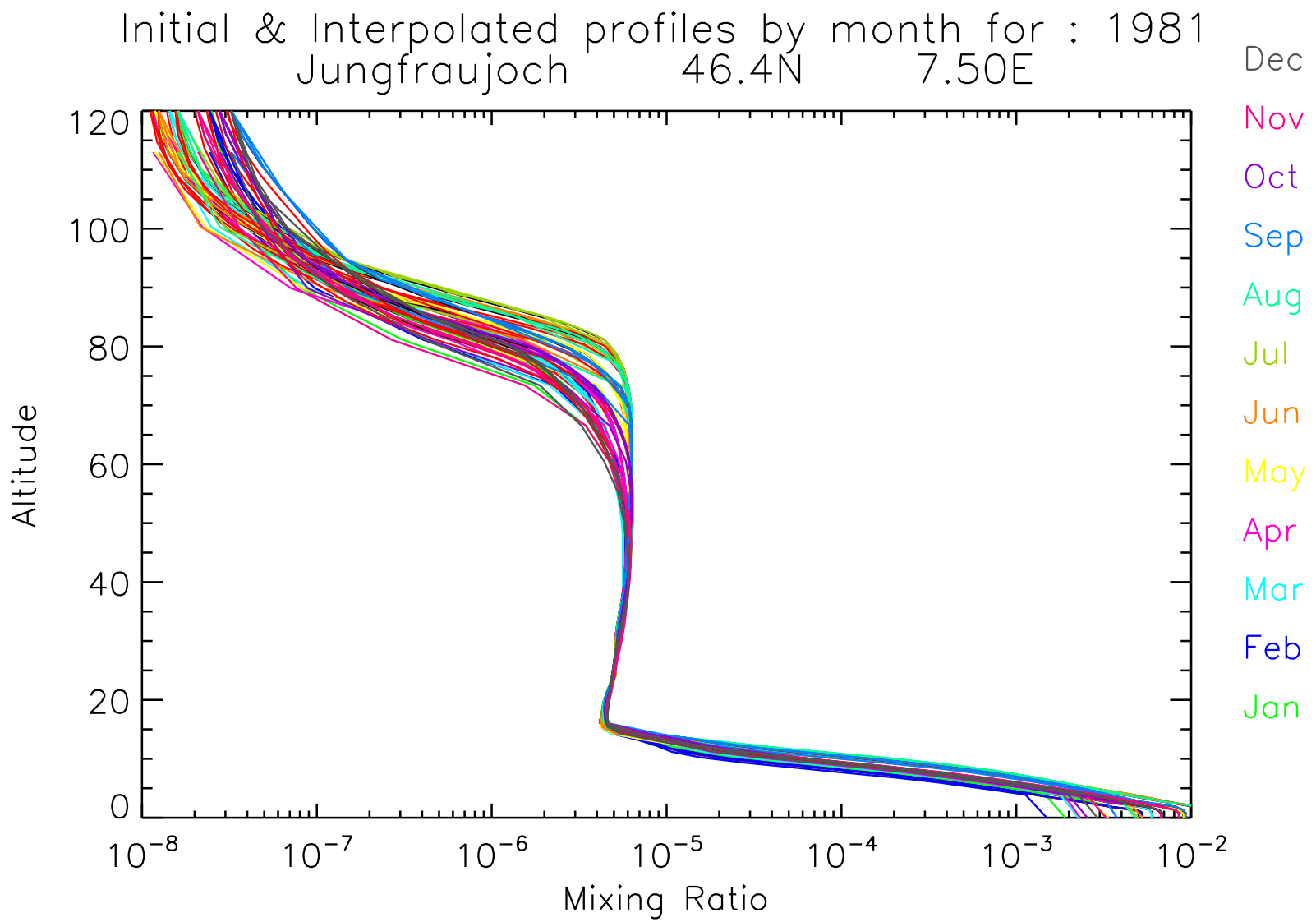
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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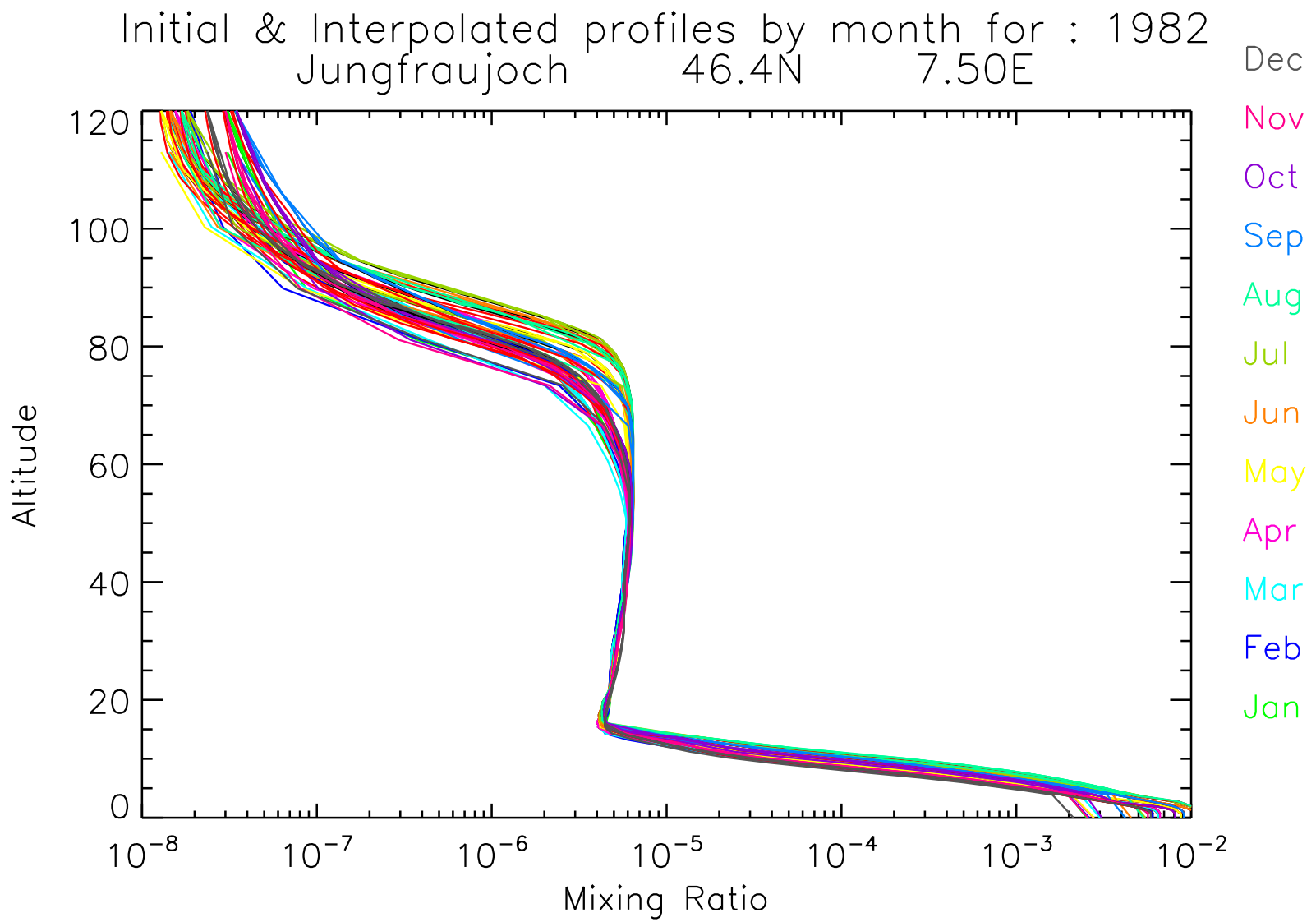
Initial & Interpolated profiles by month for : 1982
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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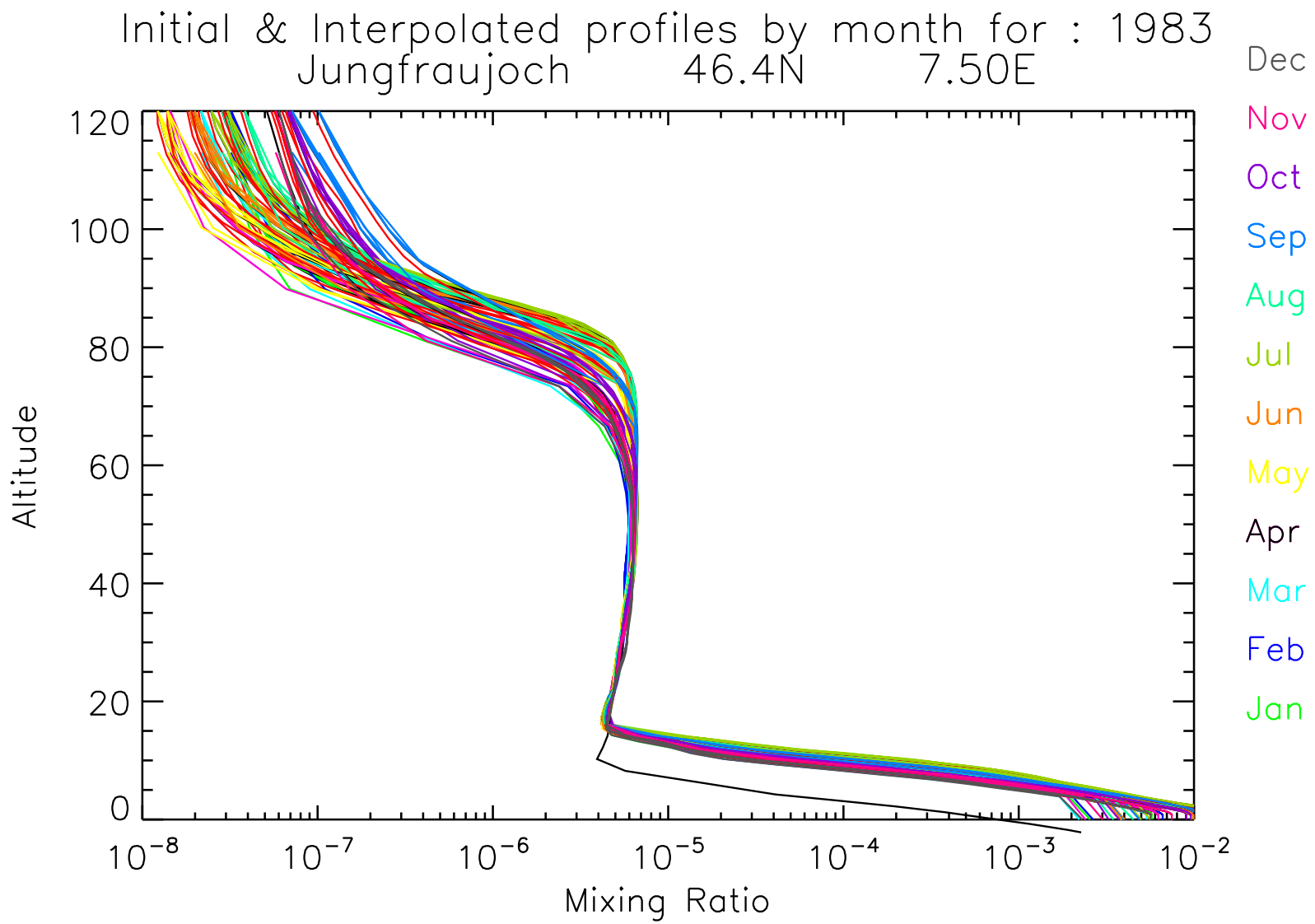
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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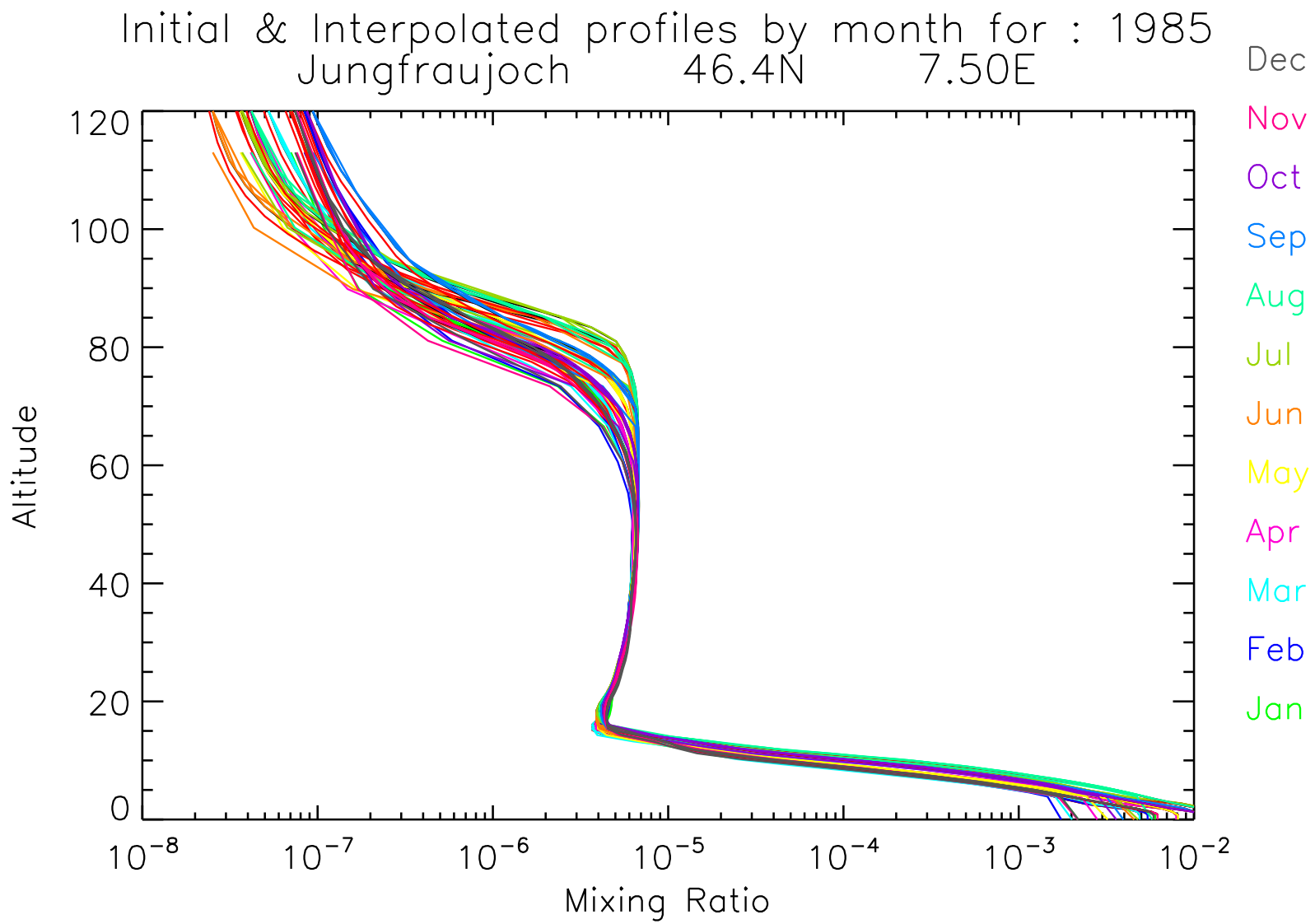
Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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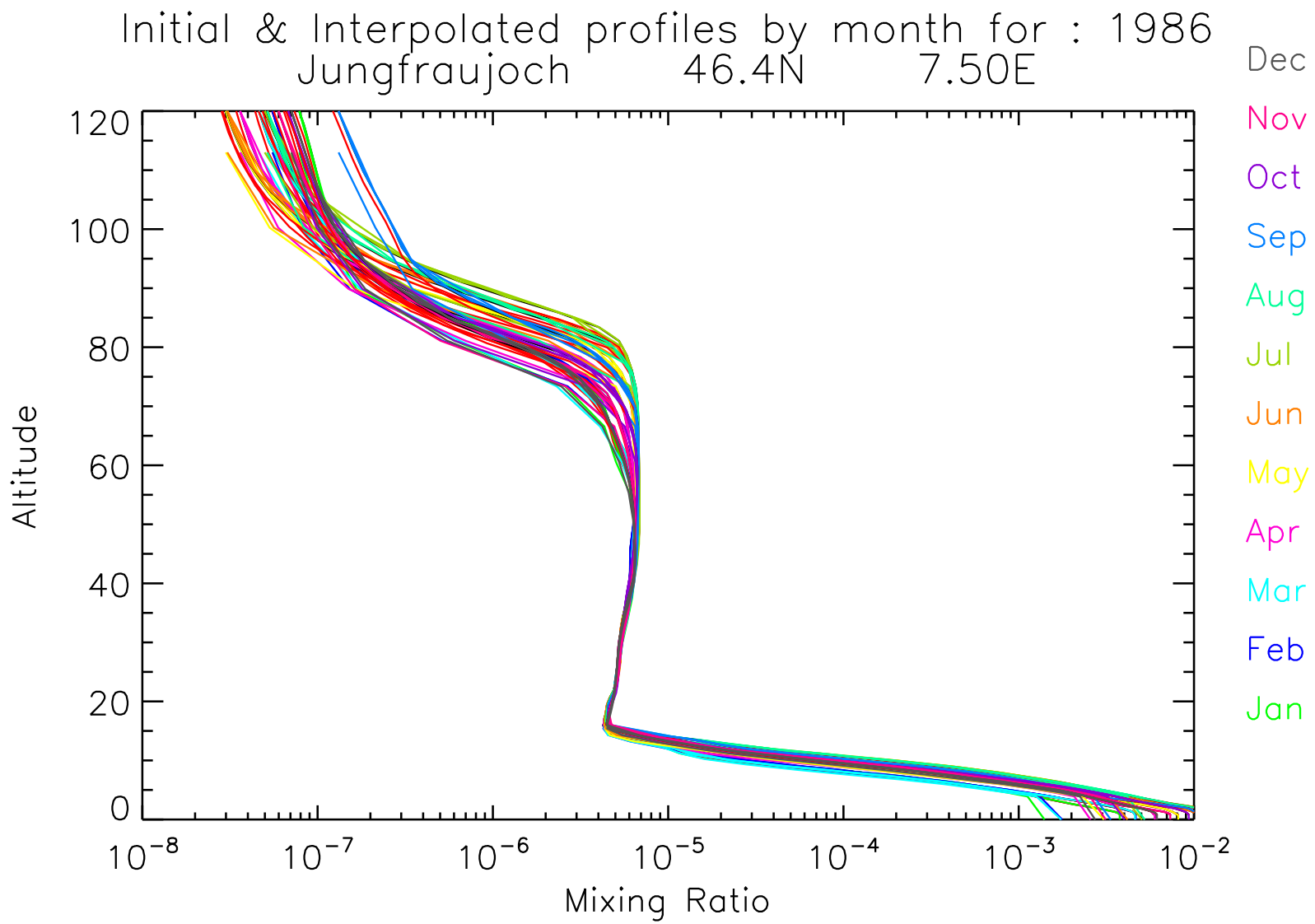
Initial & Interpolated profiles by month for : 1986
Jungfraujoch 46.4N 7.50E
Altitude
120
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Mixing Ratio
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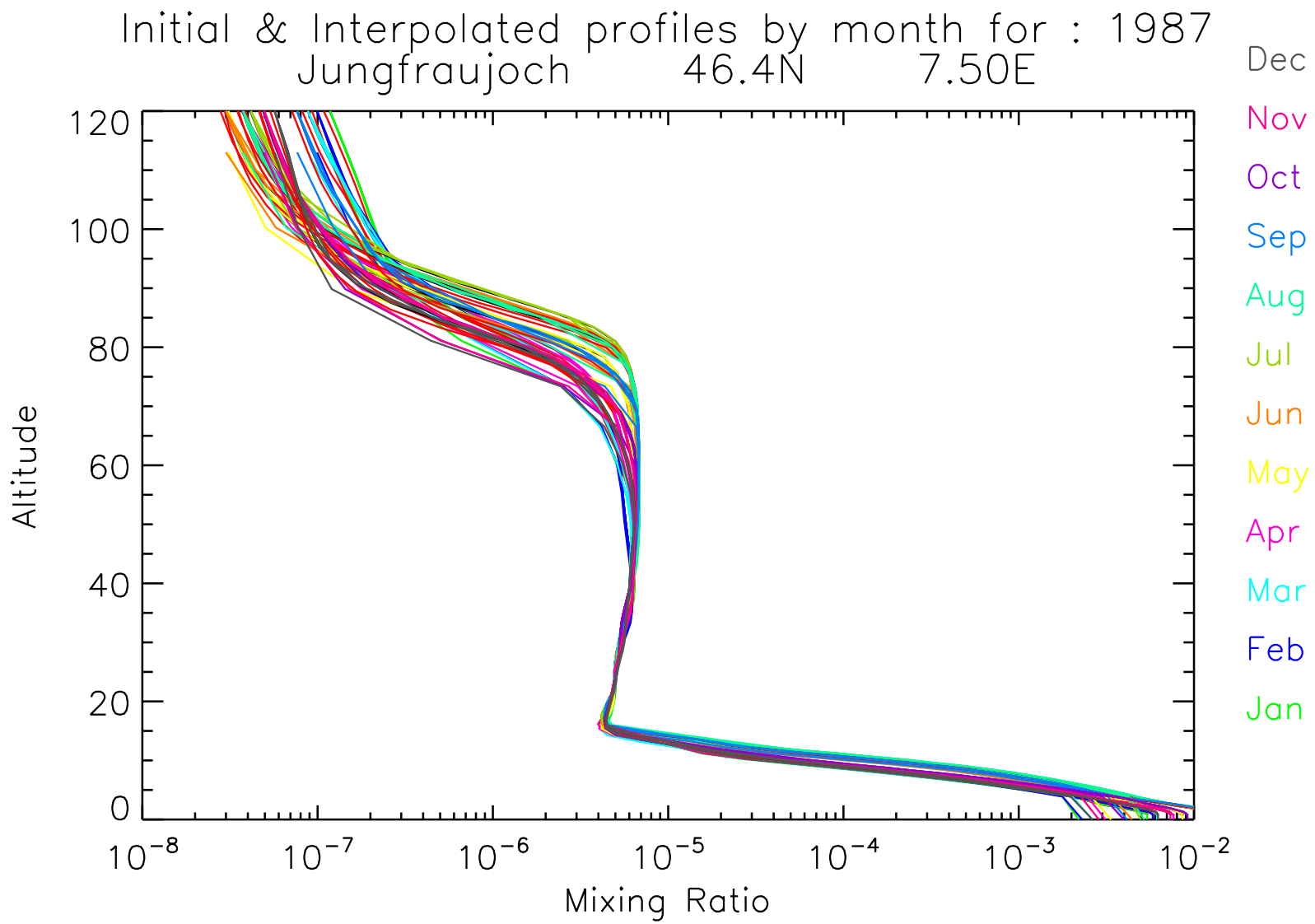
Initial & Interpolated profiles by month for : 1987
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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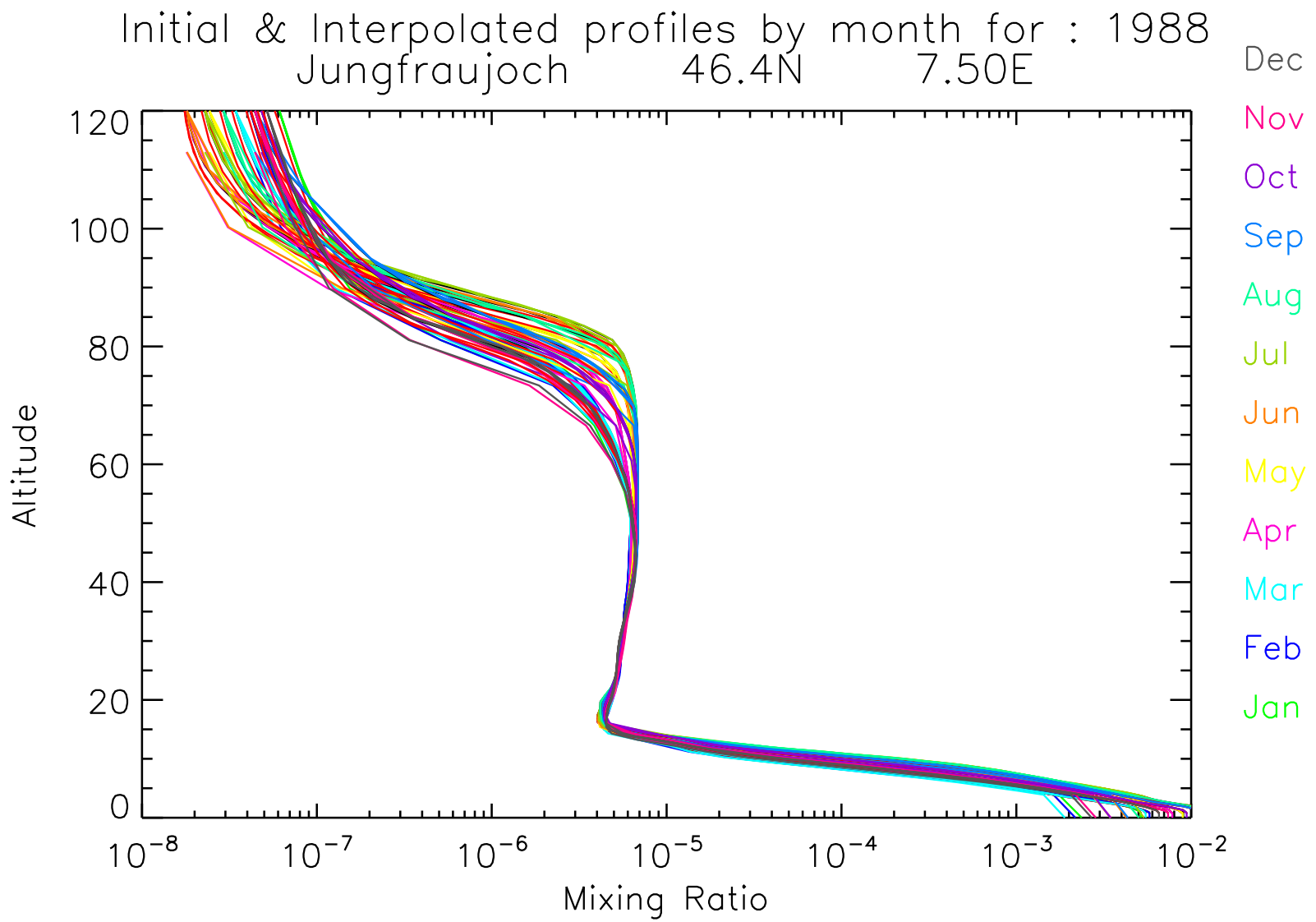
Initial & Interpolated profiles by month for : 1988
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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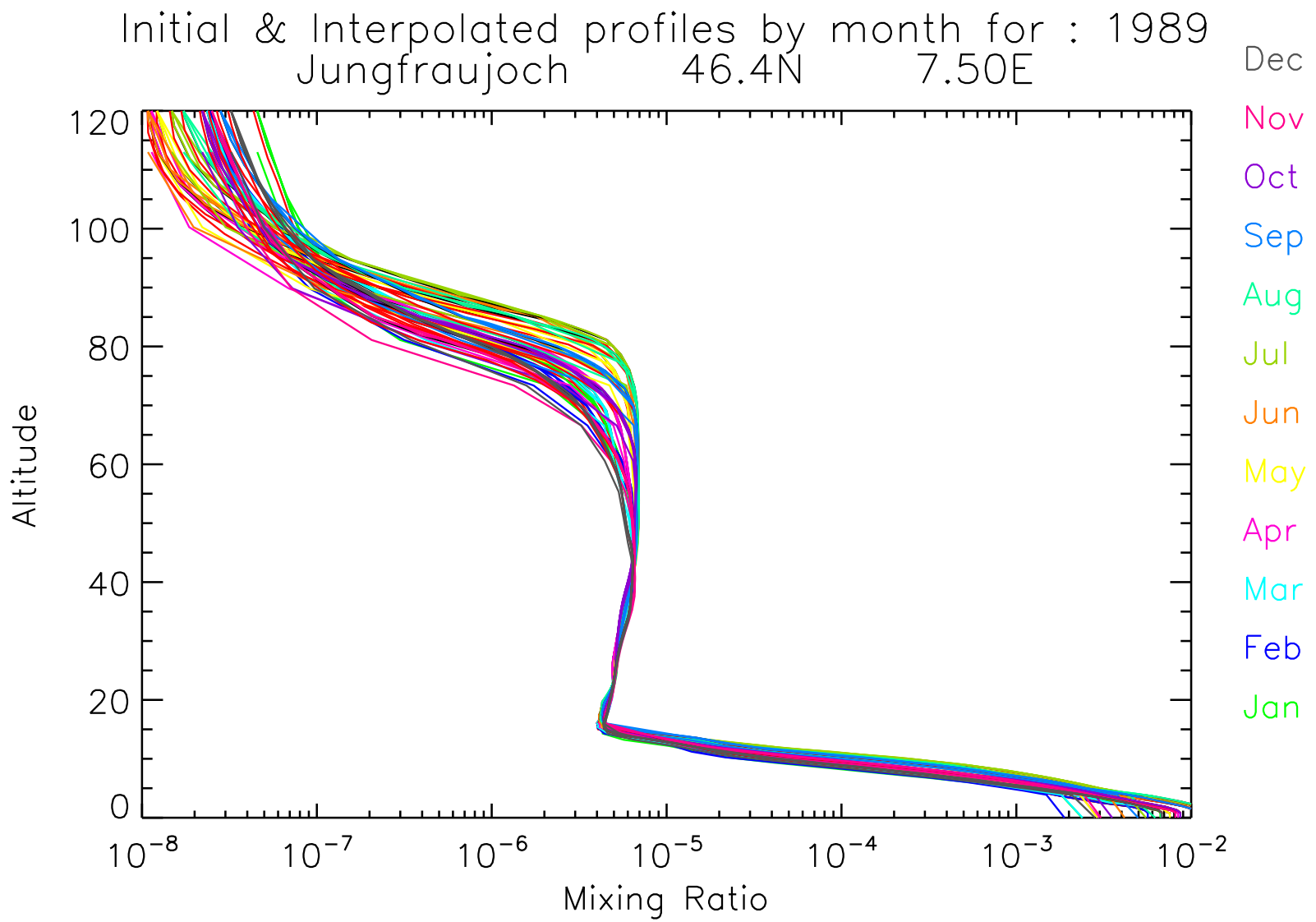
Initial & Interpolated profiles by month for : 1989
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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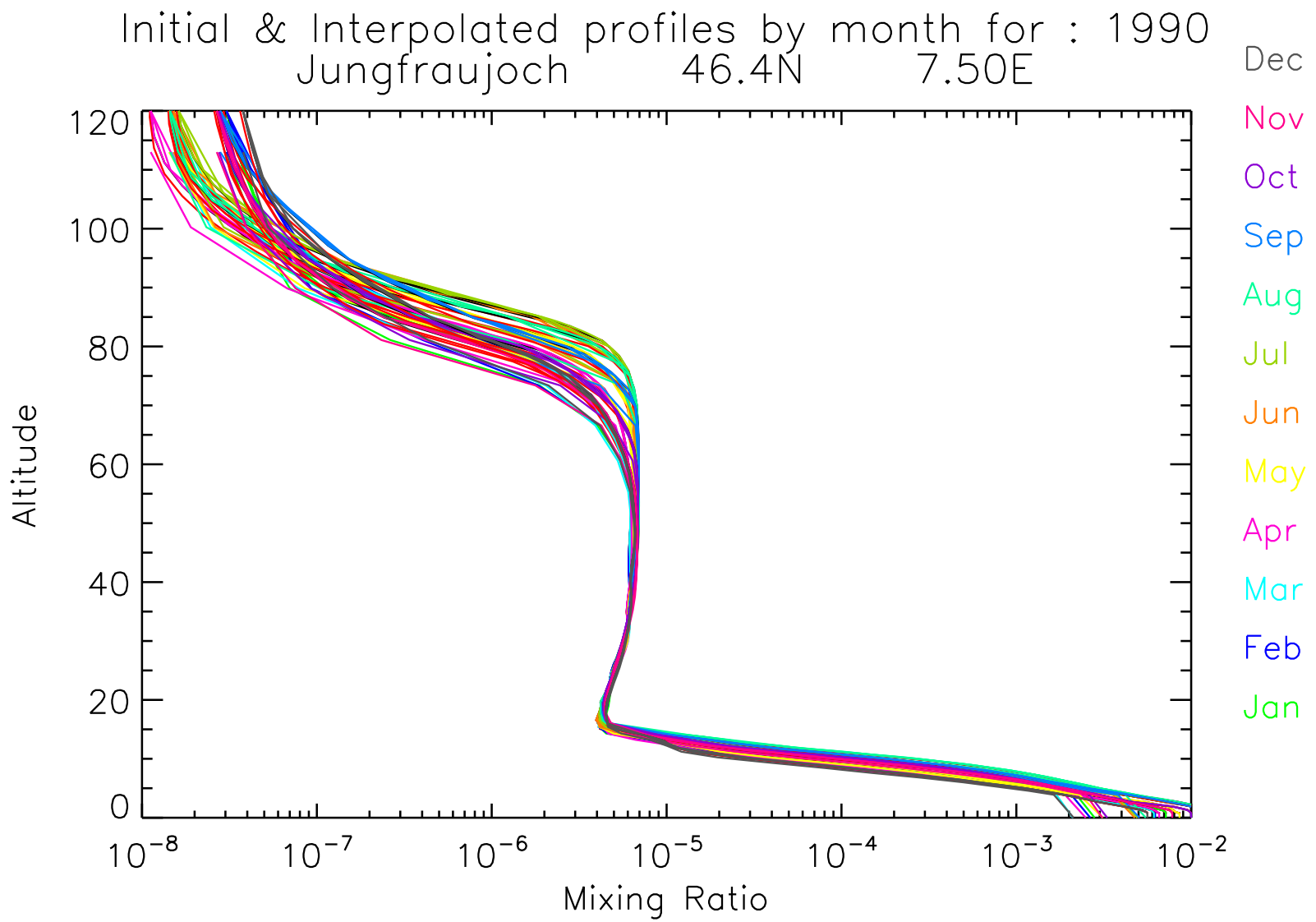
Initial & Interpolated profiles by month for : 1990
Jungfraujoch 46.4N 7.50E
Altitude
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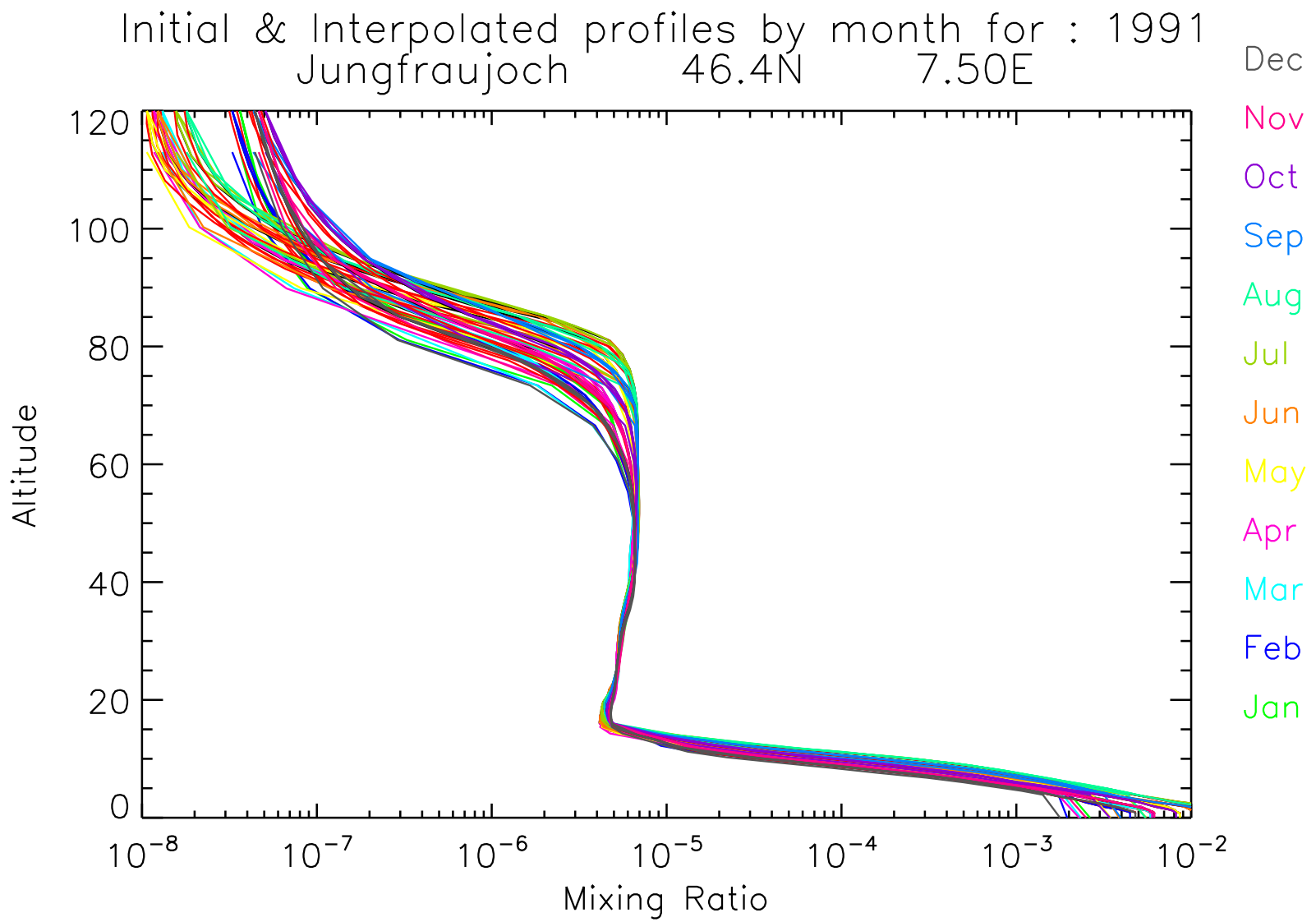
Initial & Interpolated profiles by month for : 1991
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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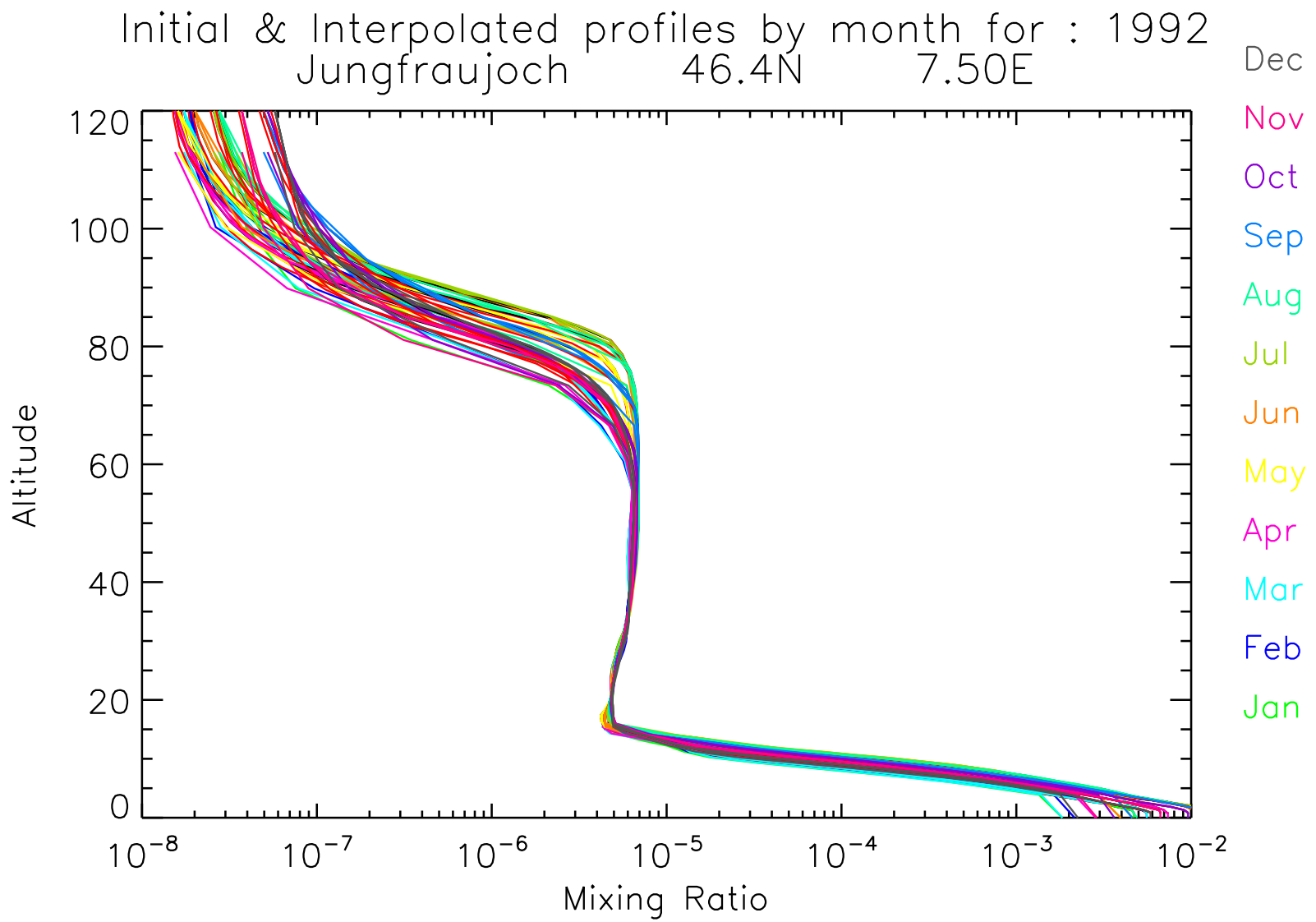
Initial & Interpolated profiles by month for : 1992
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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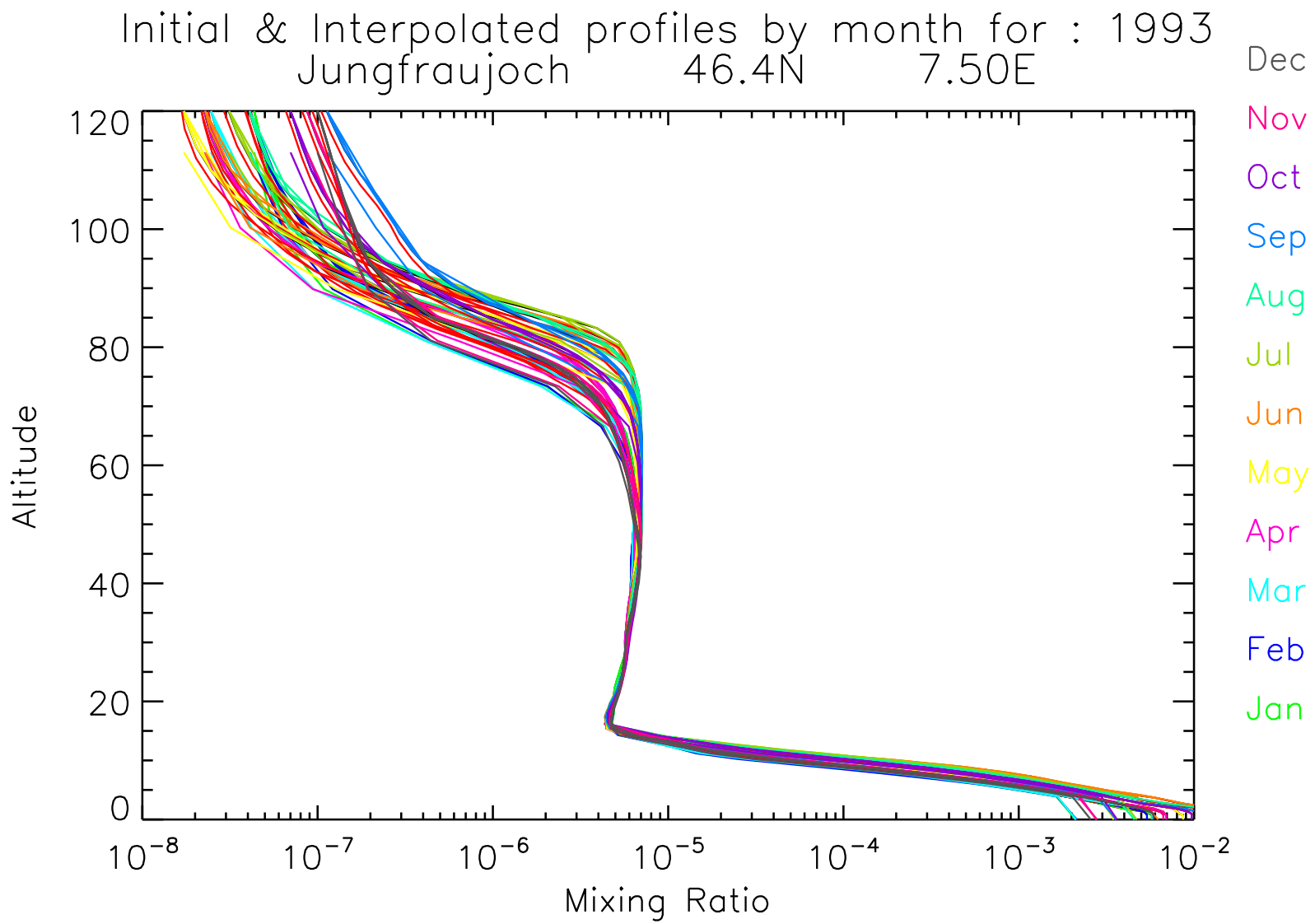
Initial & Interpolated profiles by month for : 1993
Jungfraujoch 46.4N 7.50E
Altitude
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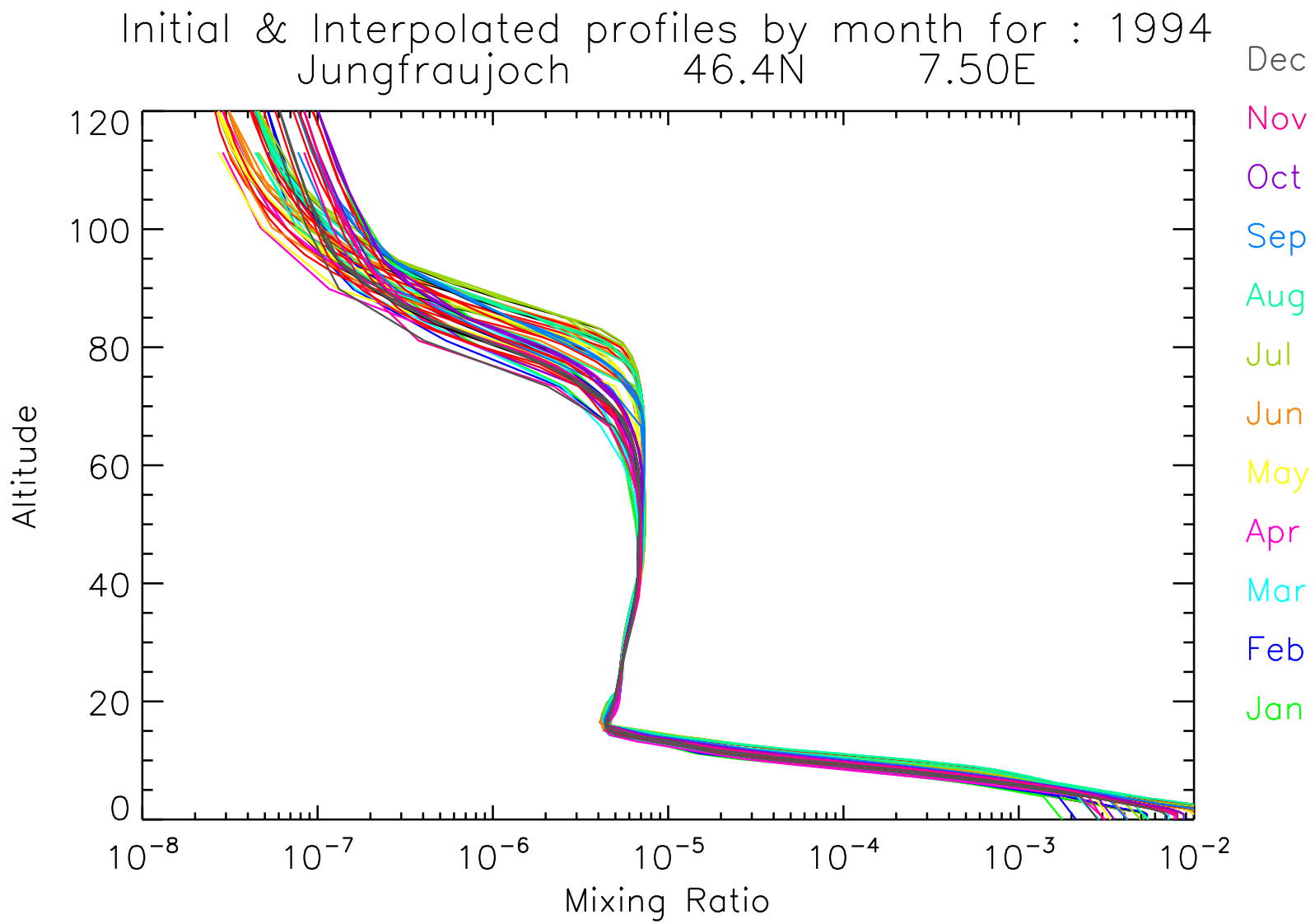
Initial & Interpolated profiles by month for : 1994
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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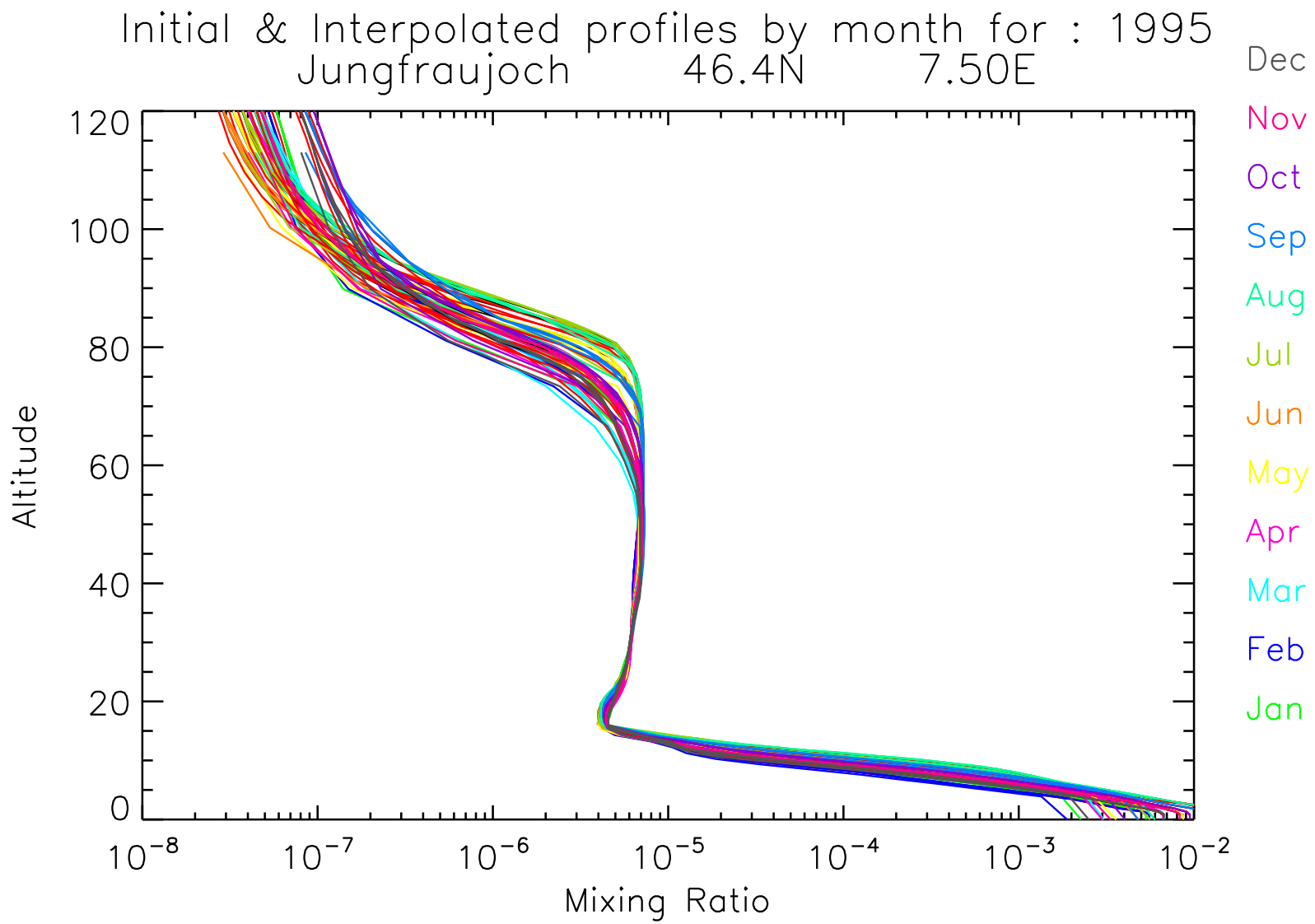
Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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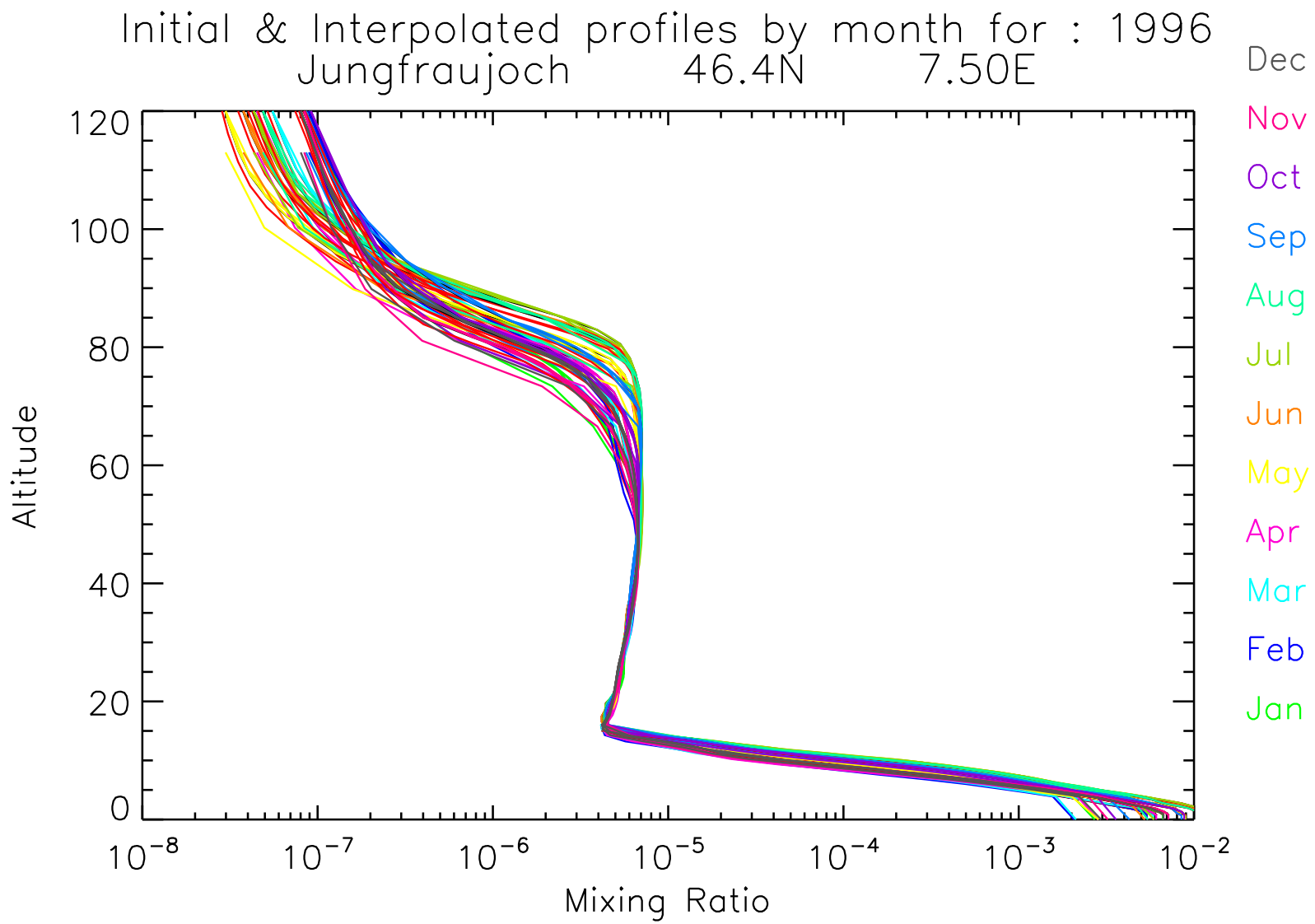
Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
Altitude
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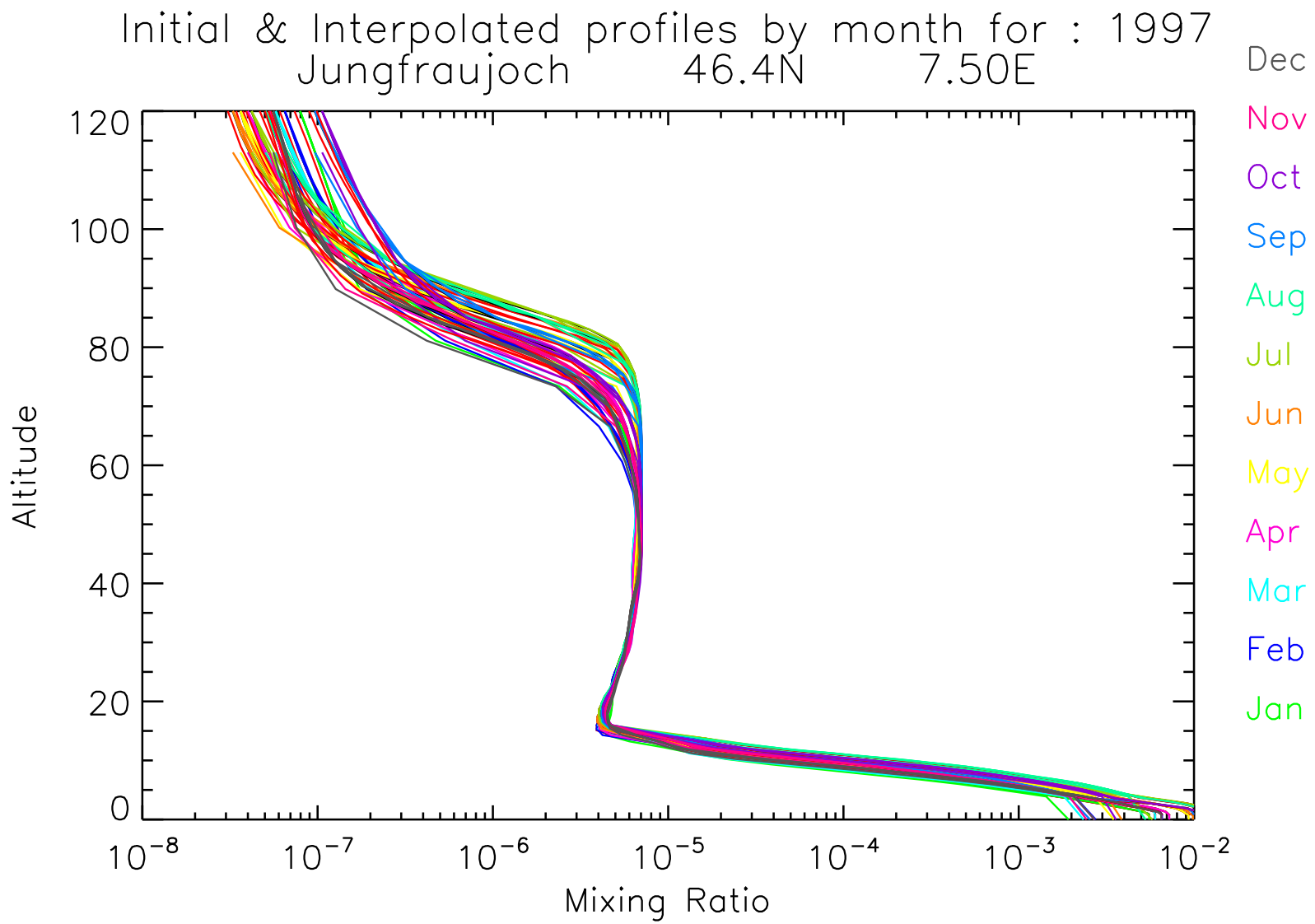
Initial & Interpolated profiles by month for : 1997
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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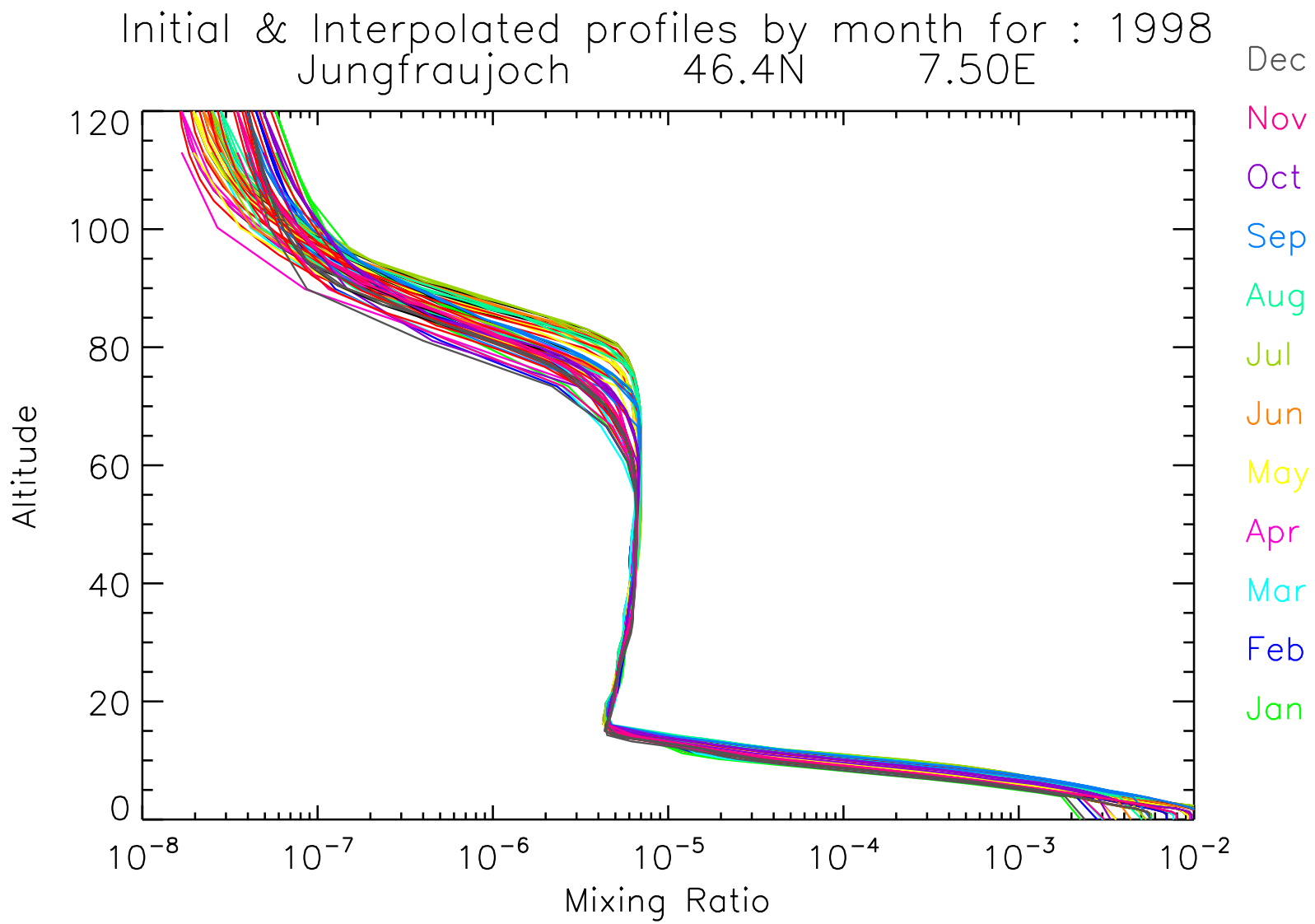
Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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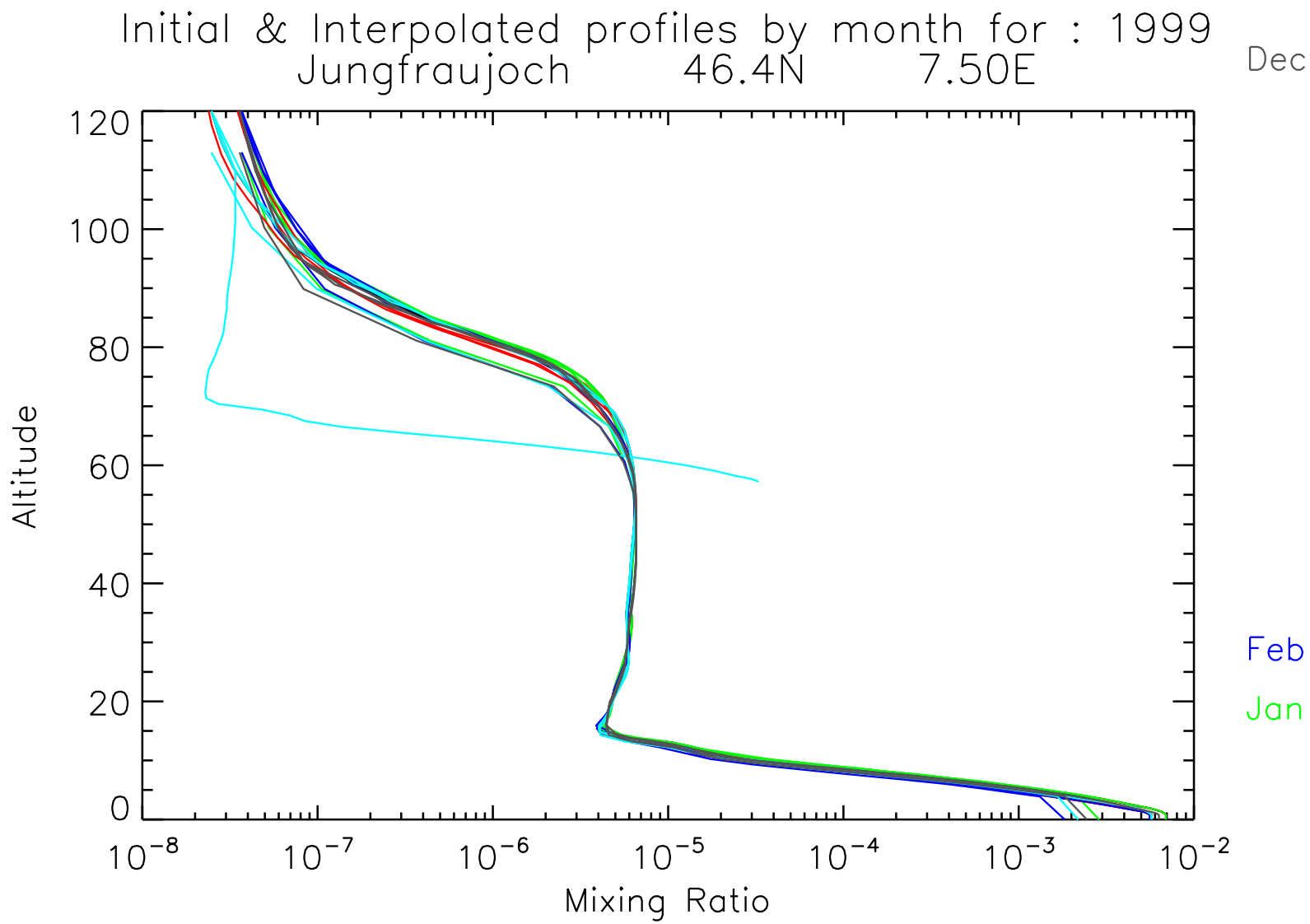
Initial & Interpolated profiles by month for : 1999
Jungfraujoch 46.4N 7.50E
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Altitude
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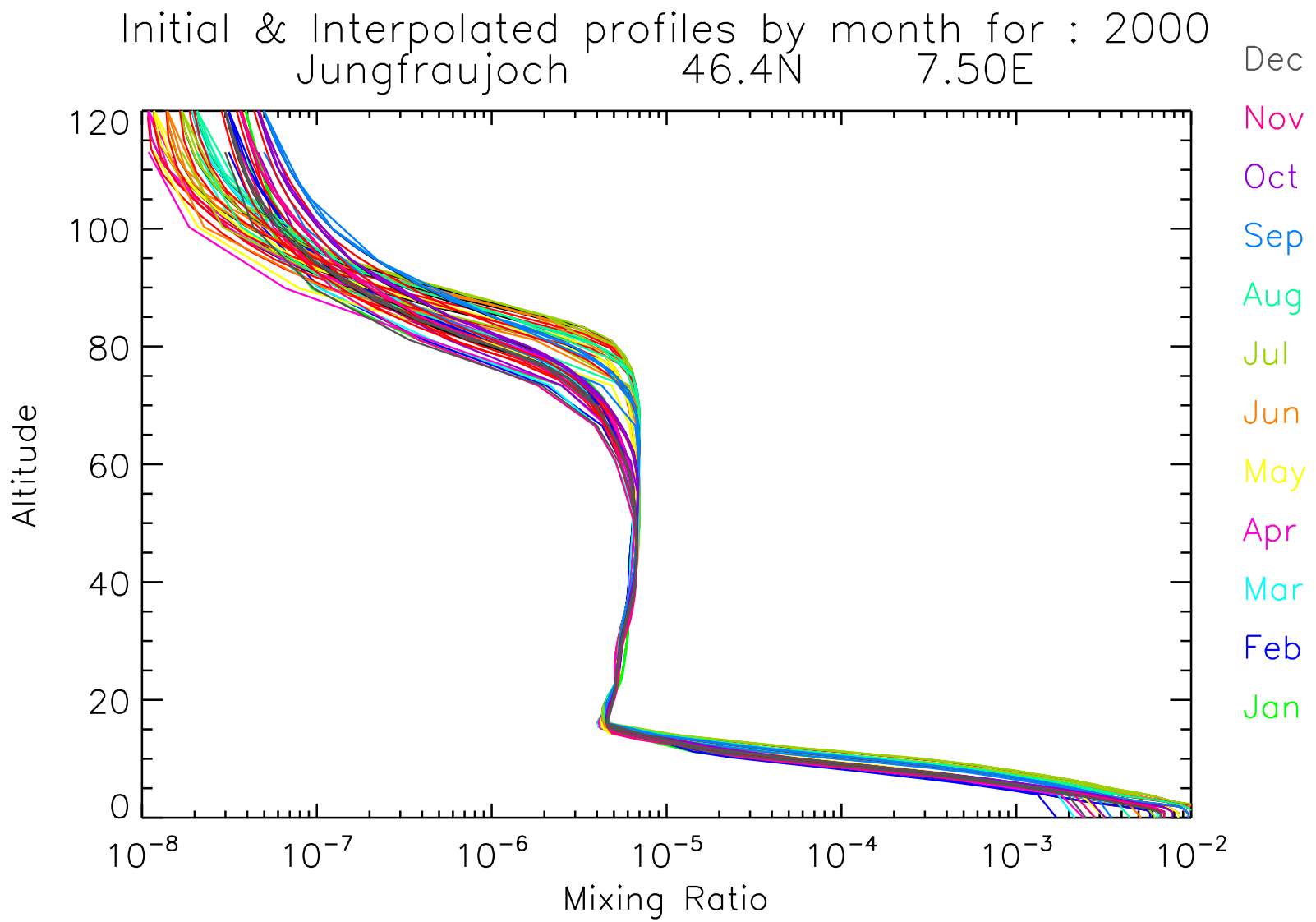
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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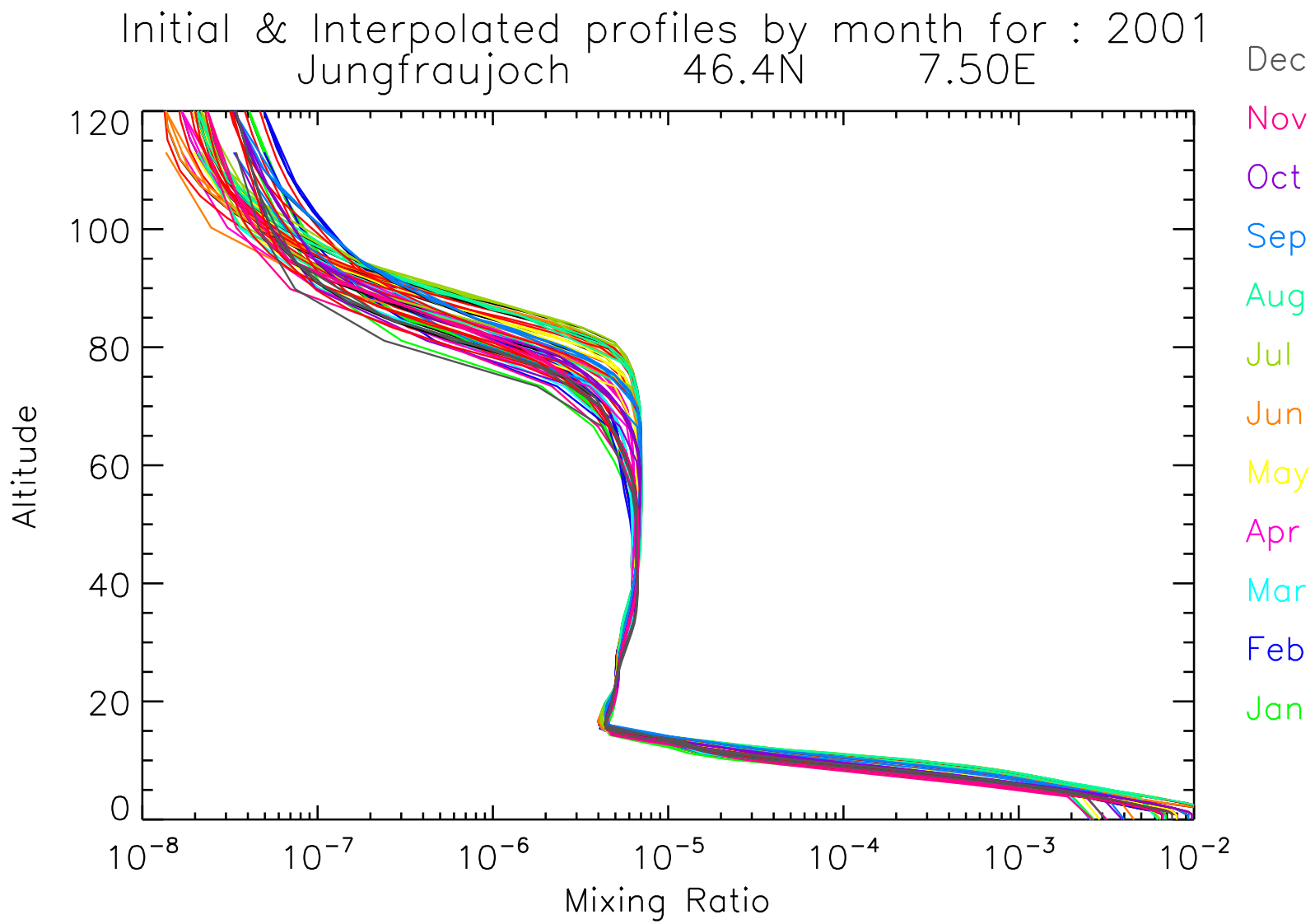
Initial & Interpolated profiles by month for : 2001
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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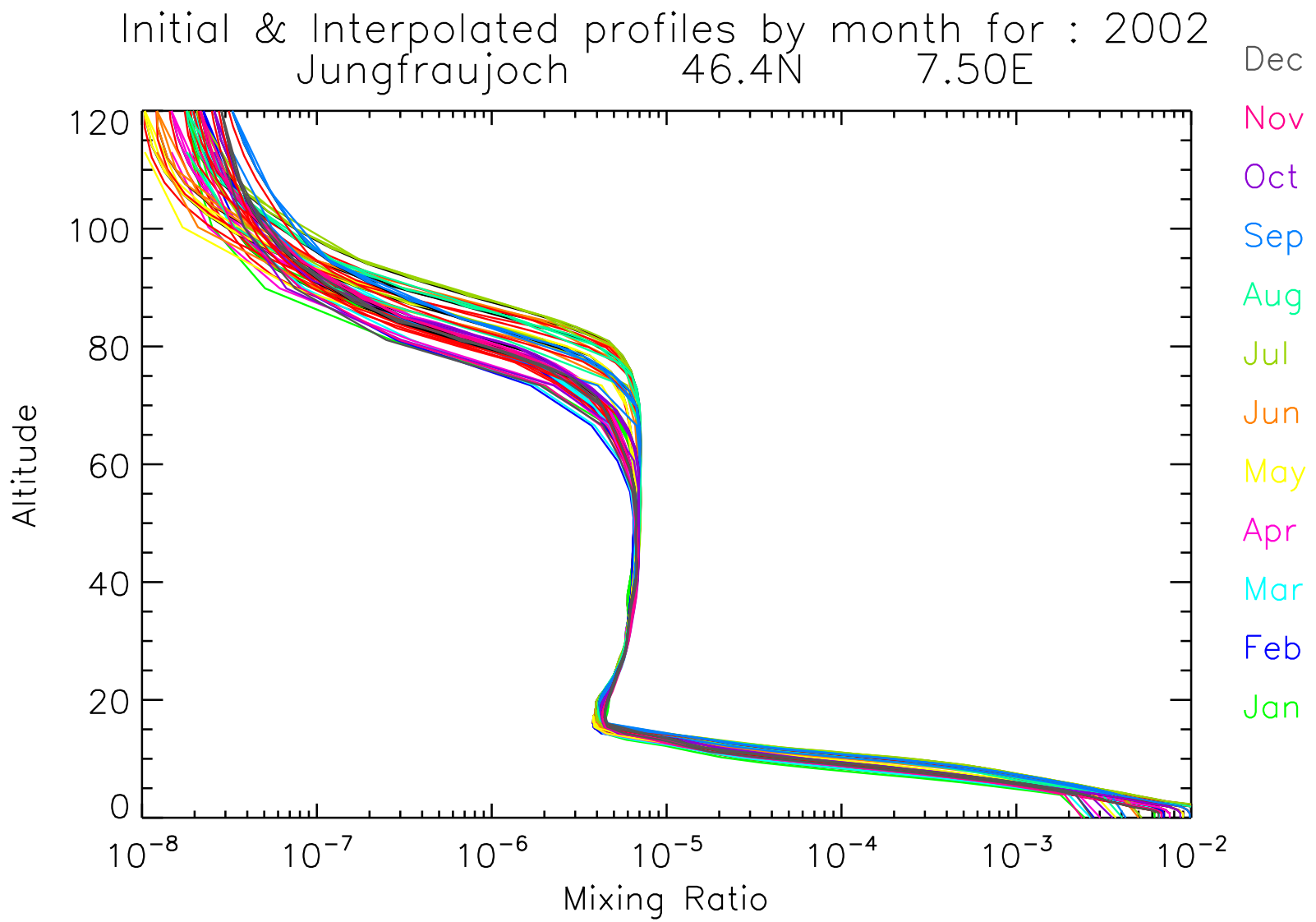
Initial & Interpolated profiles by month for : 2002
Jungfraujoch 46.4N 7.50E
Altitude
120
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Mixing Ratio
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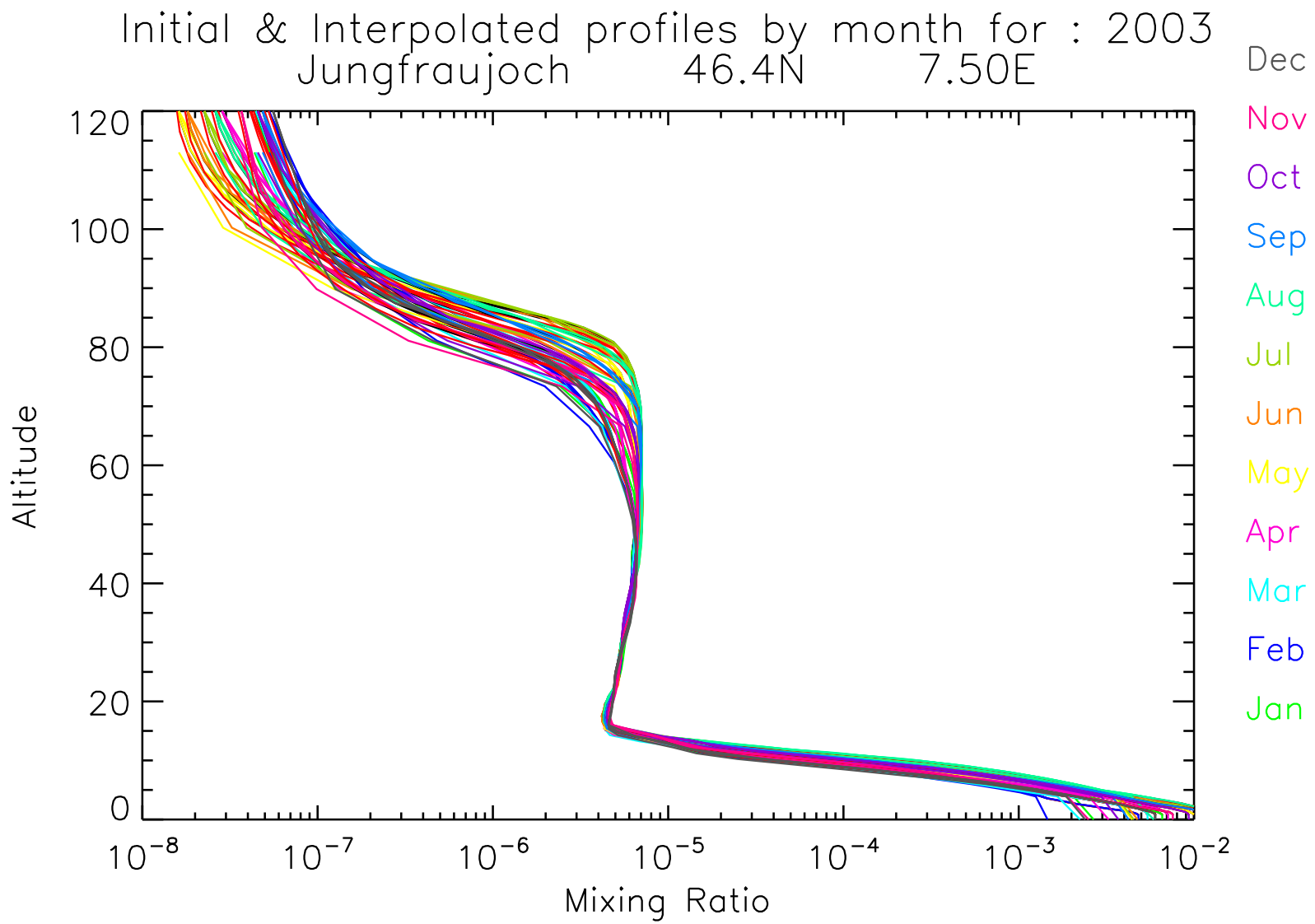
Initial & Interpolated profiles by month for : 2003
Jungfraujoch 46.4N 7.50E
Altitude
120
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Mixing Ratio
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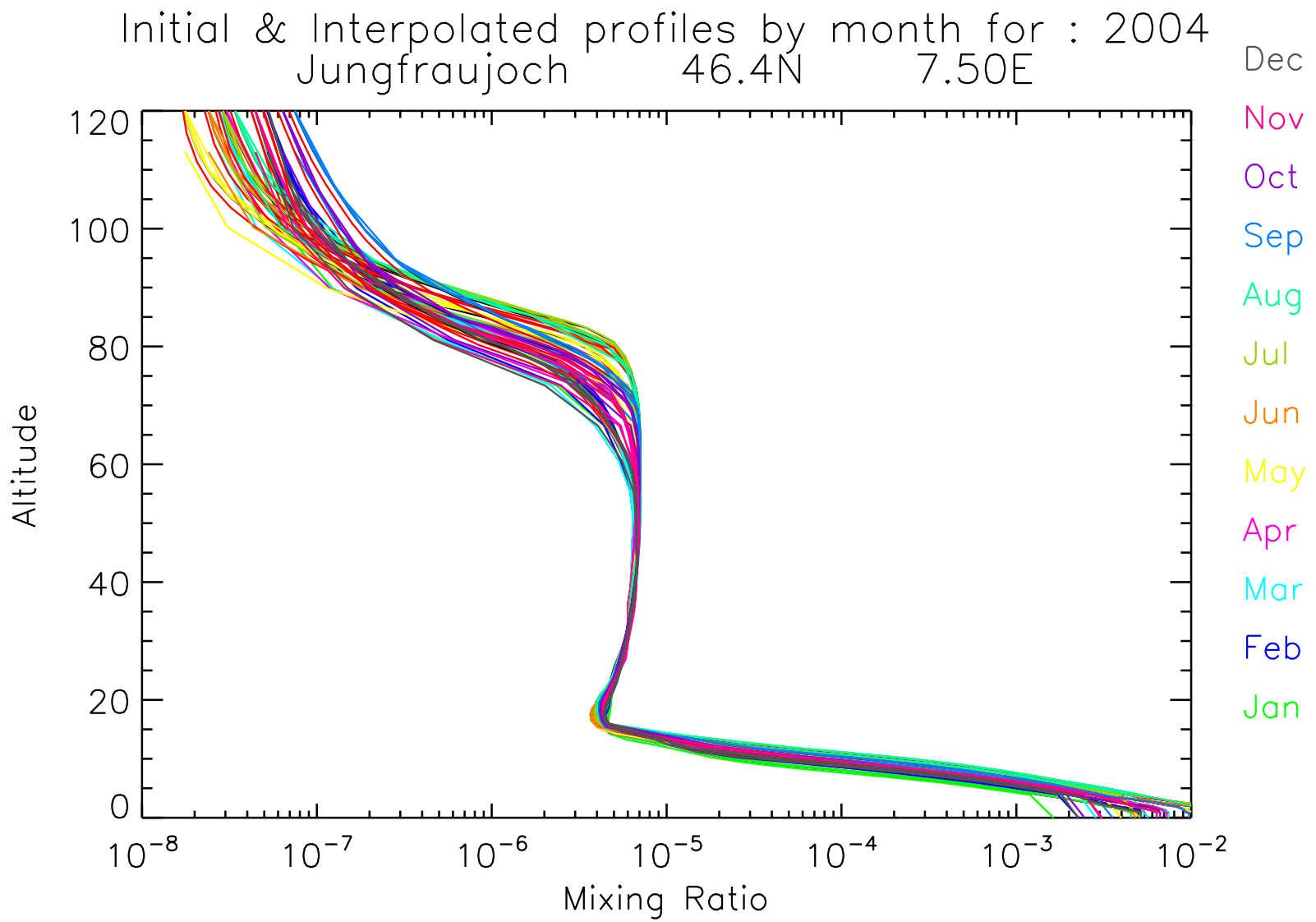
Initial & Interpolated profiles by month for : 2004
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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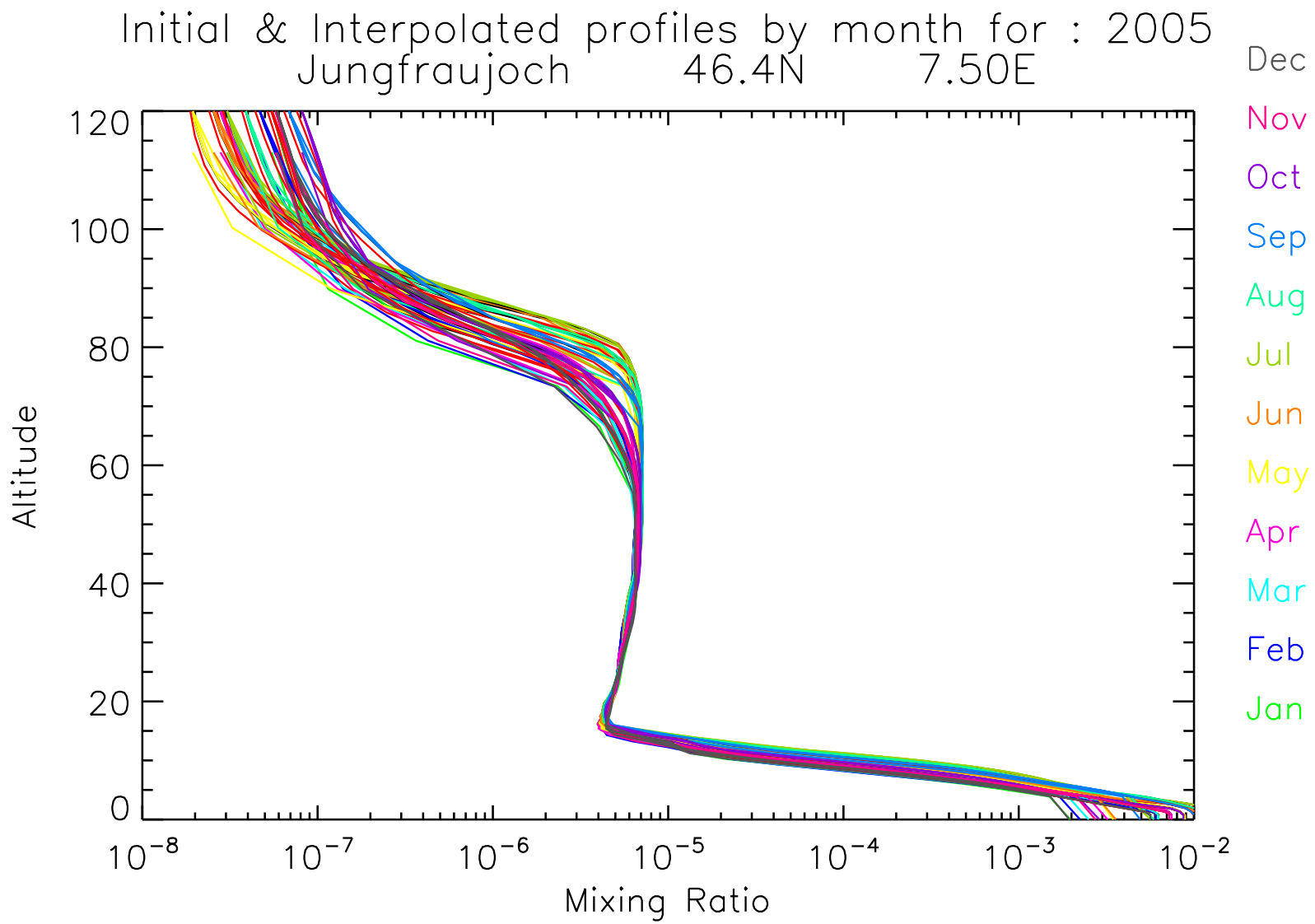
Initial & Interpolated profiles by month for : 2005
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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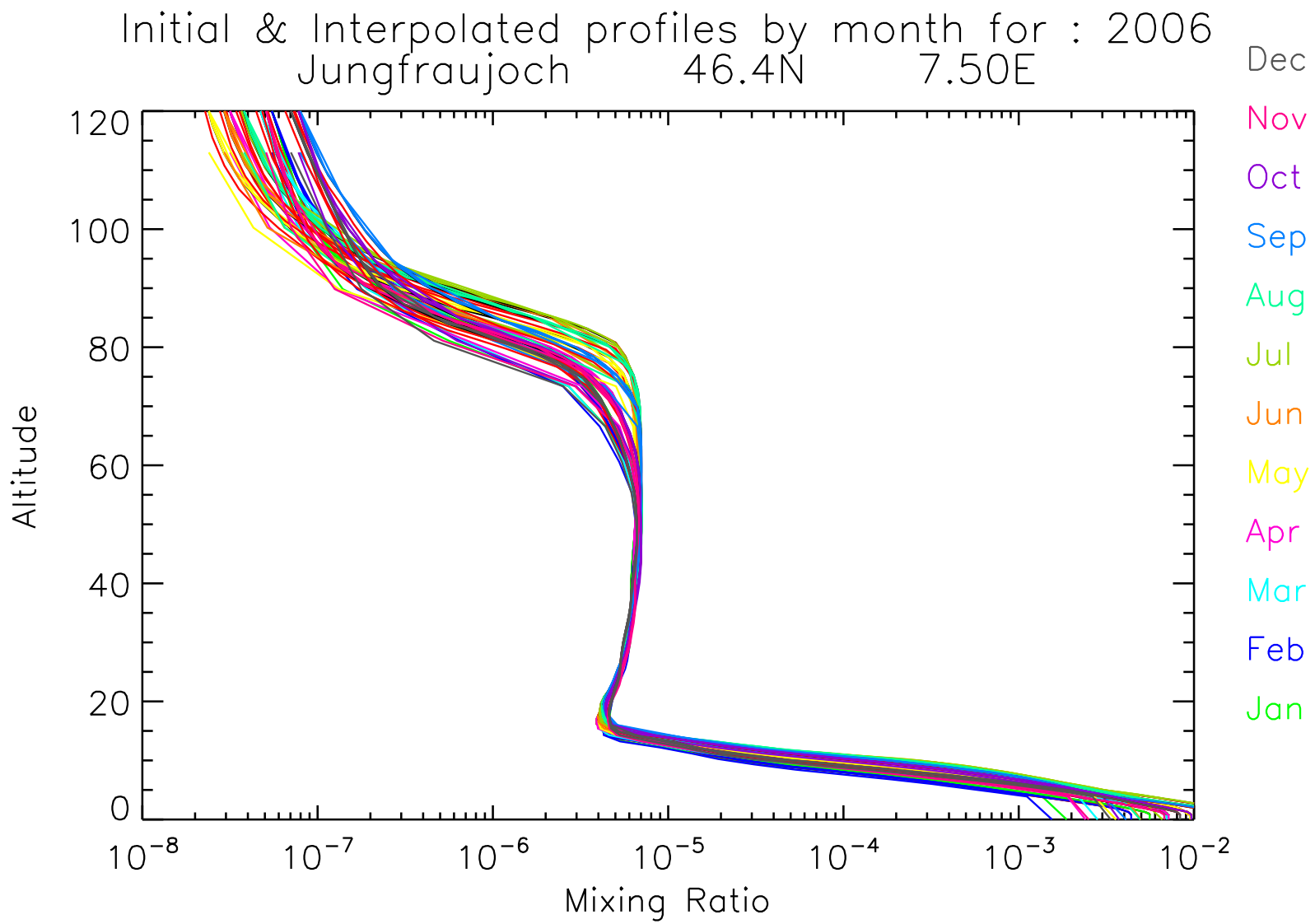
Initial & Interpolated profiles by month for : 2006
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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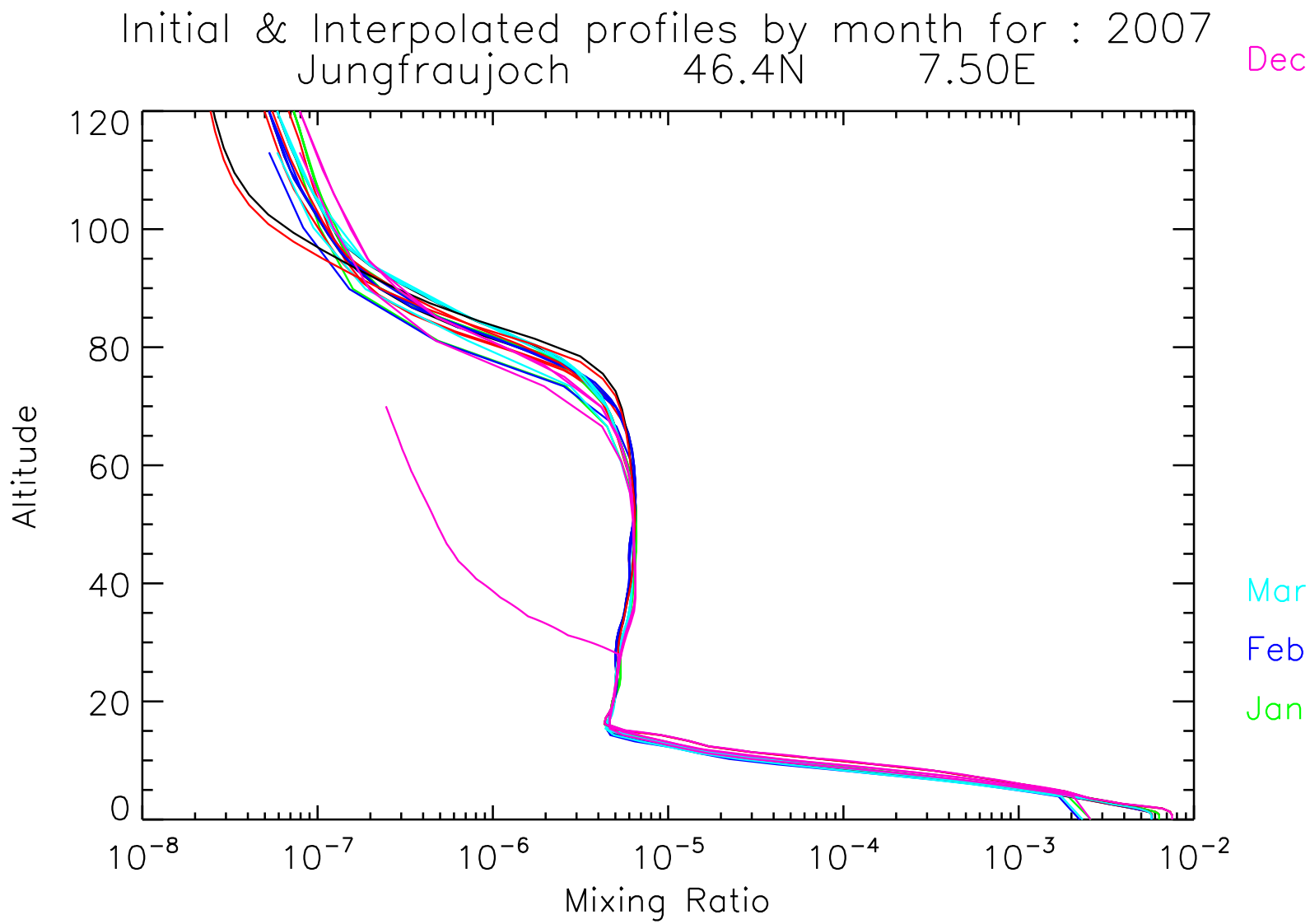
Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
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Altitude
120
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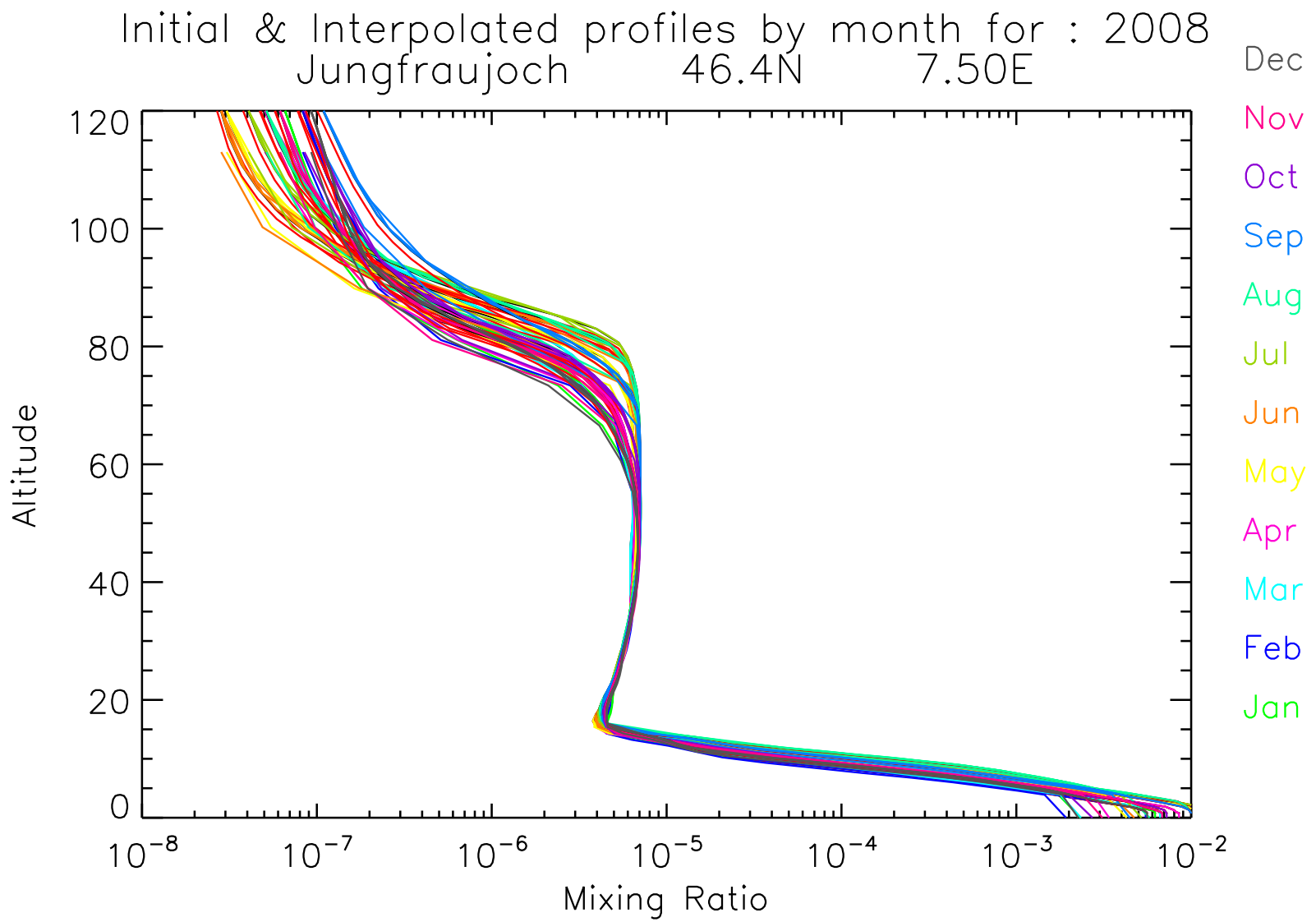
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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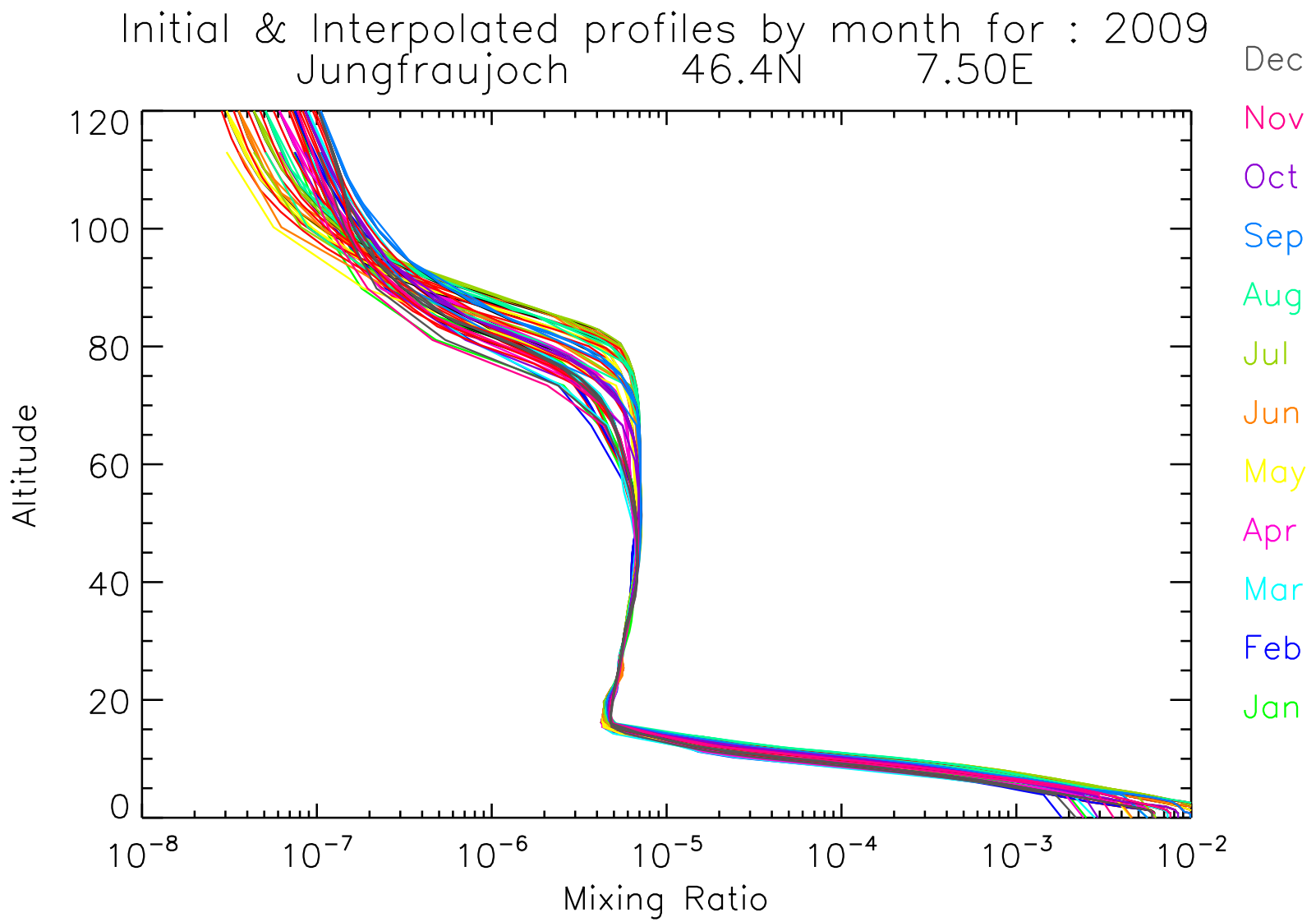
Initial & Interpolated profiles by month for : 2009
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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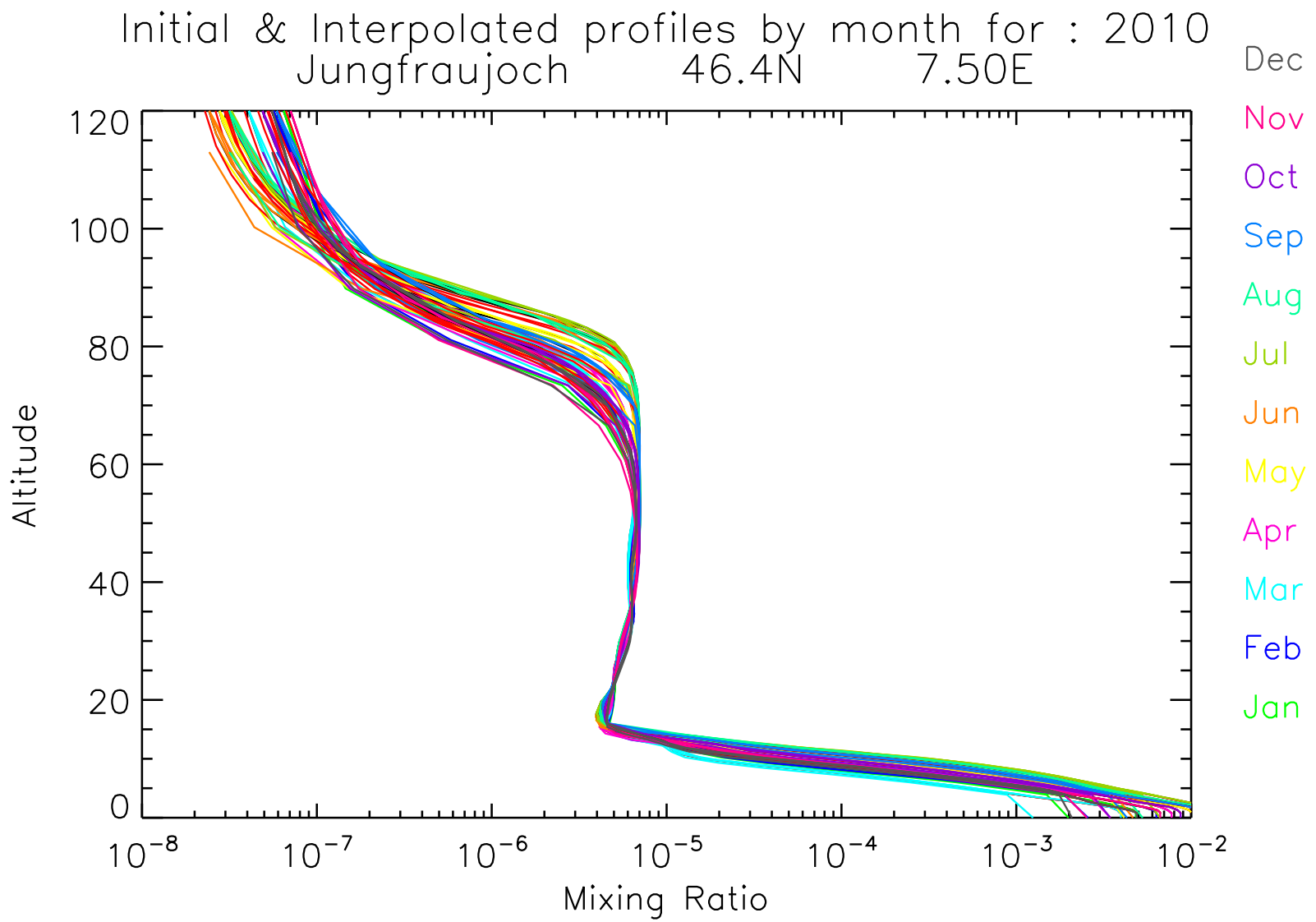
Initial & Interpolated profiles by month for : 2010
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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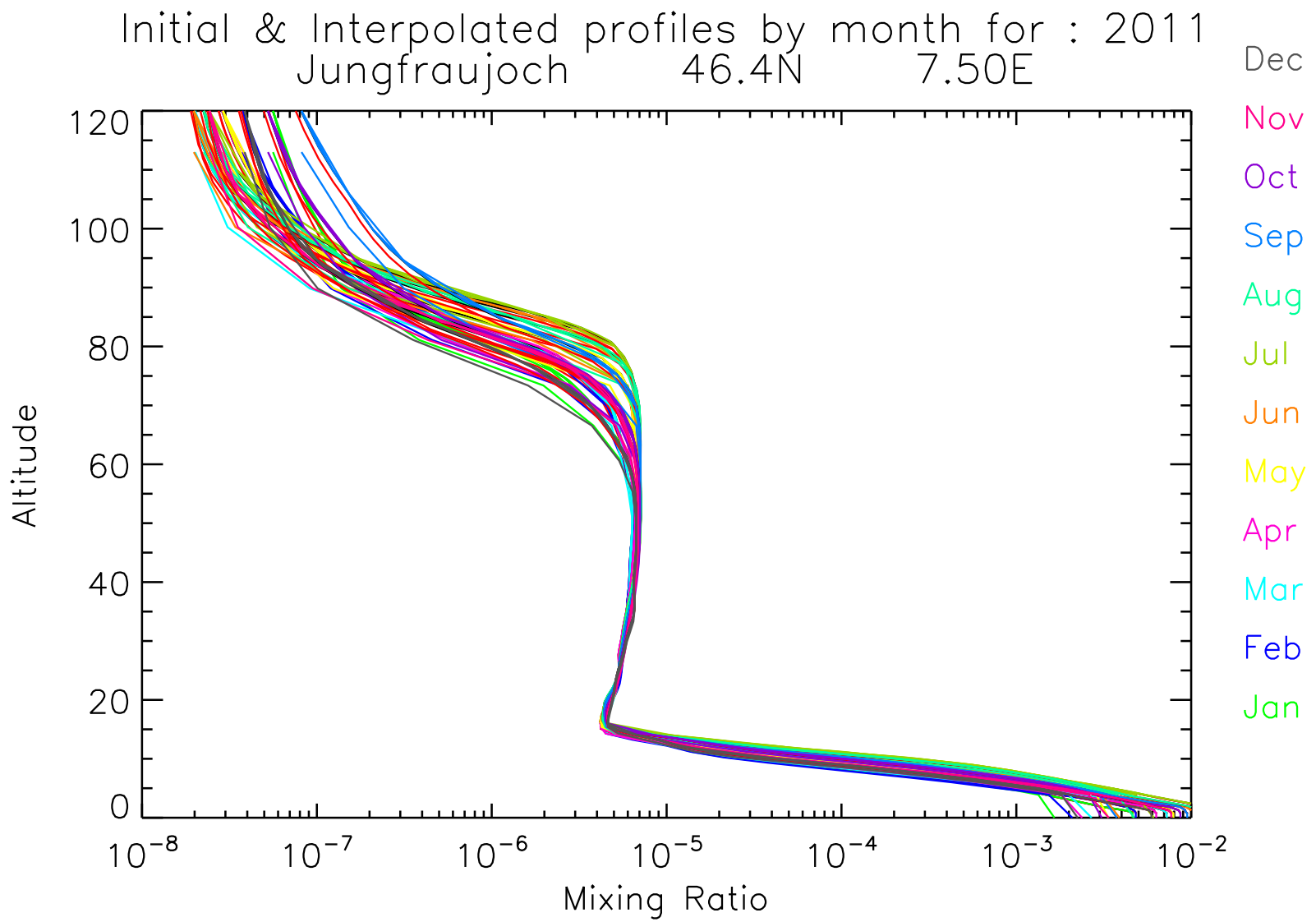
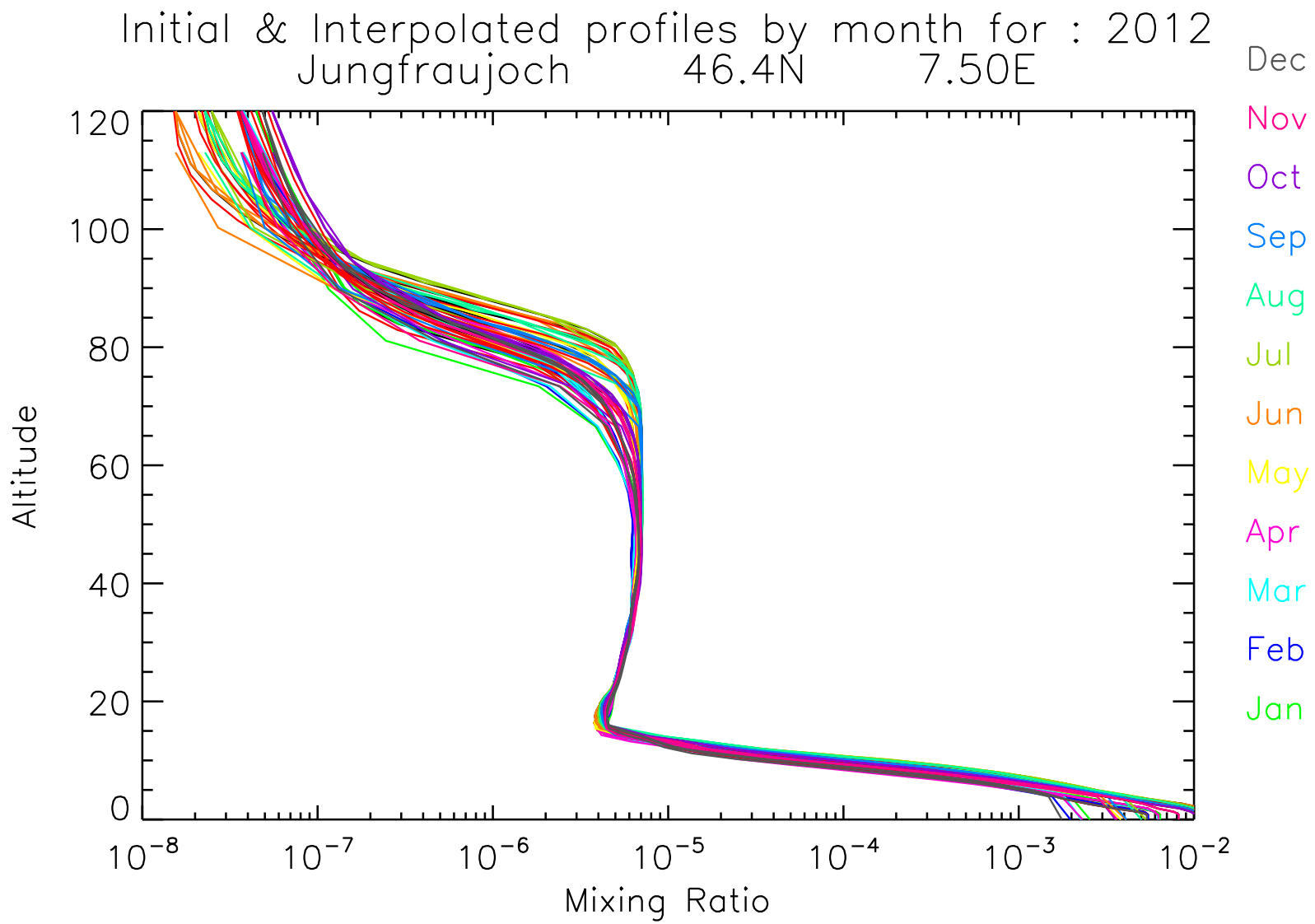
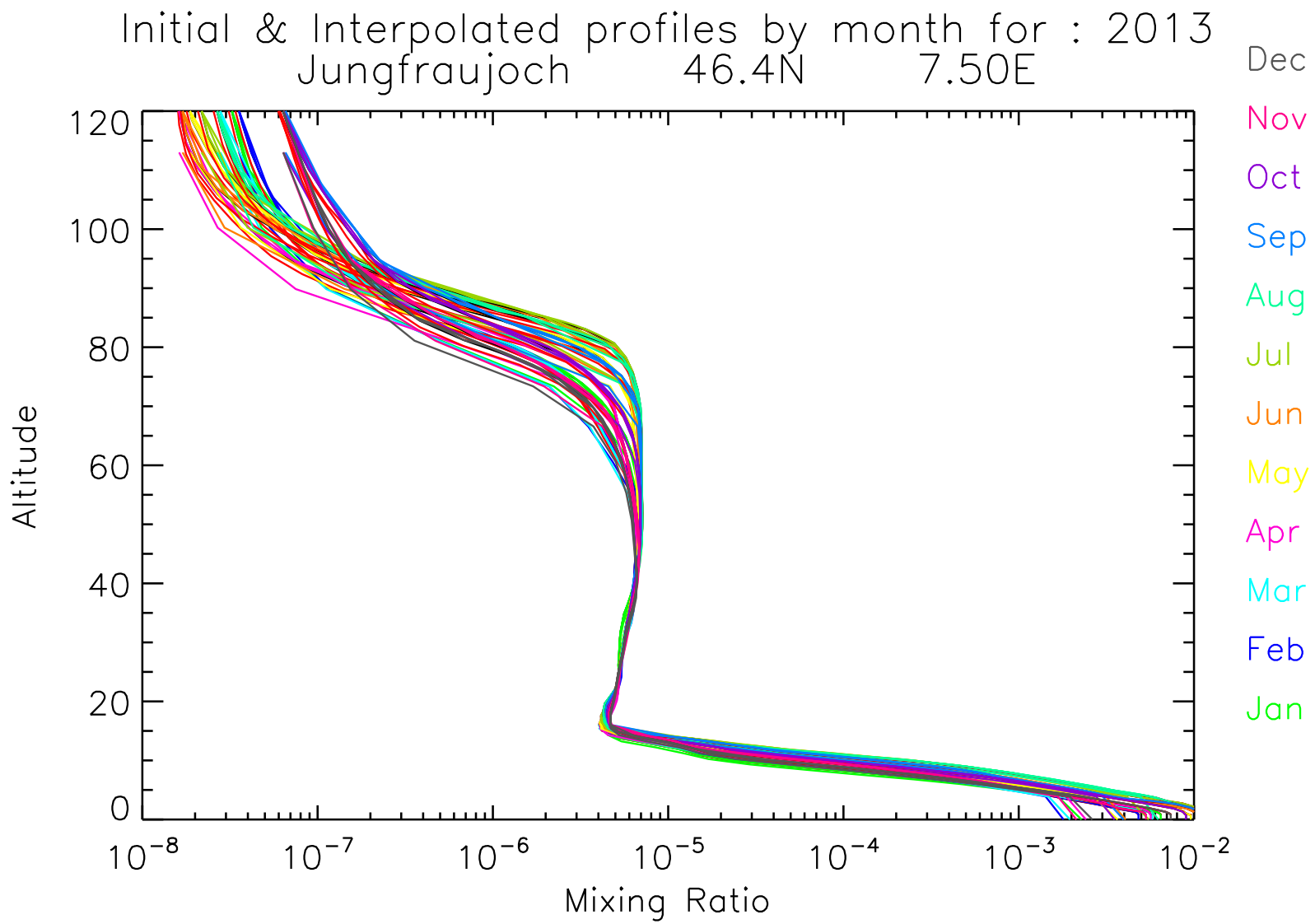
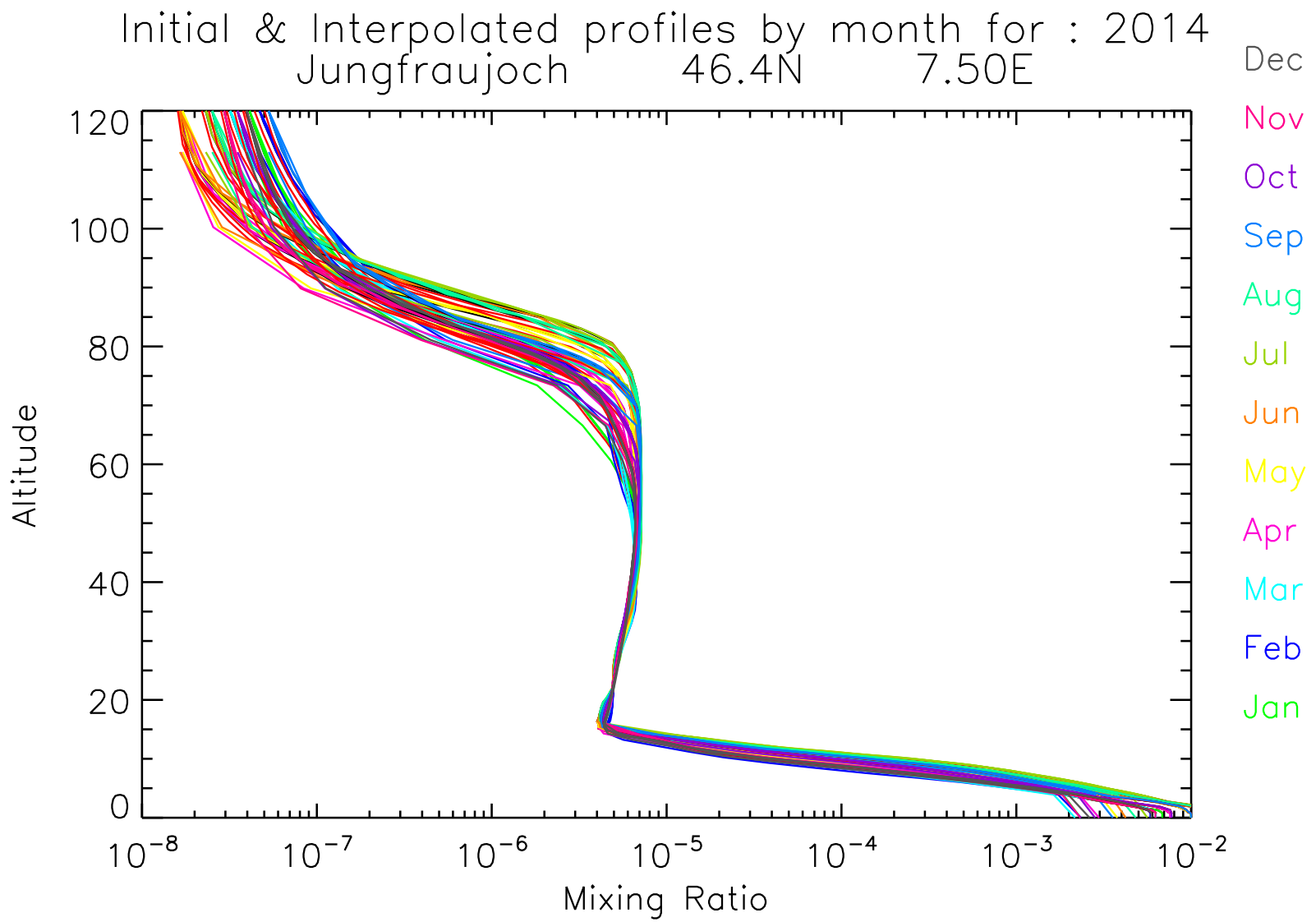
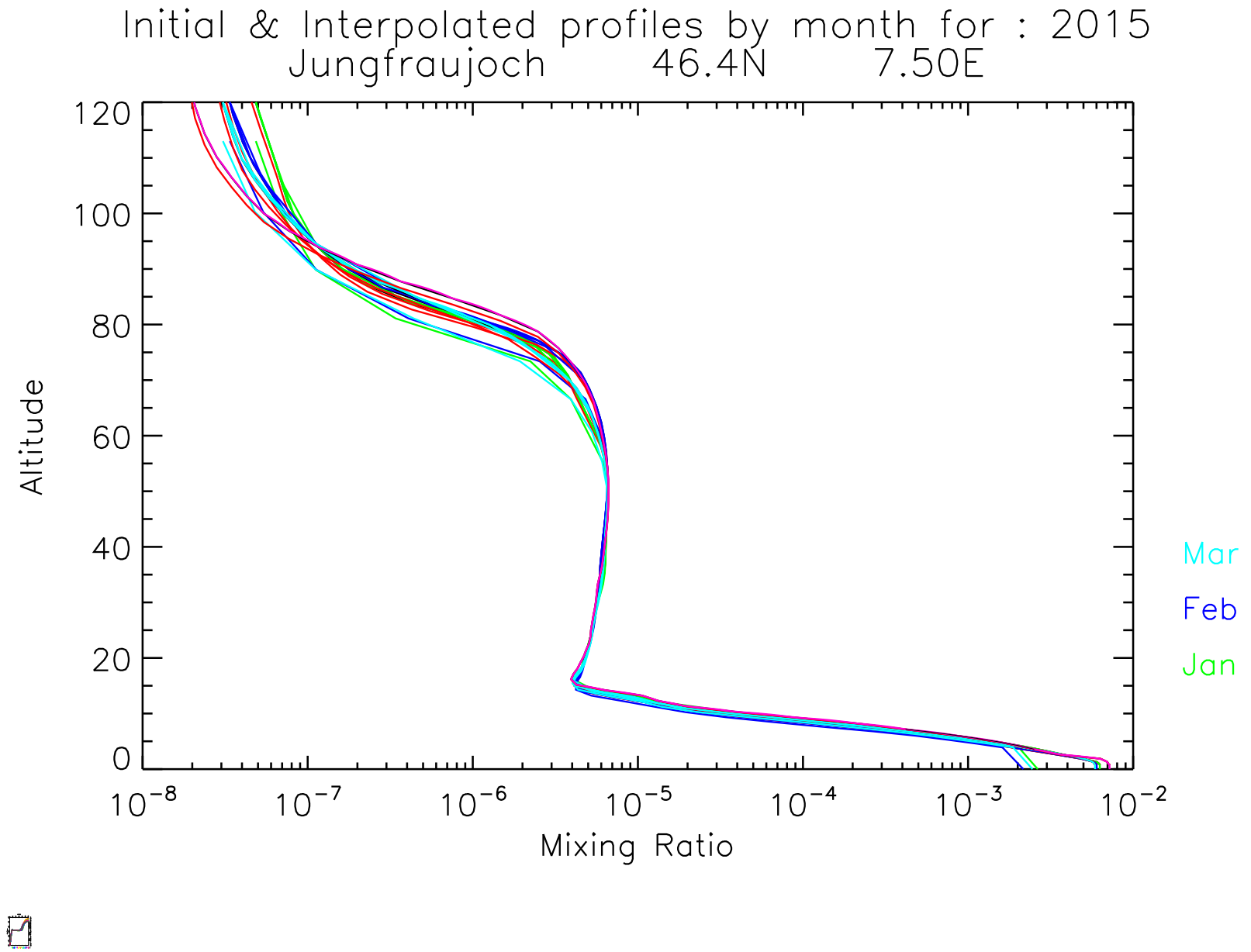
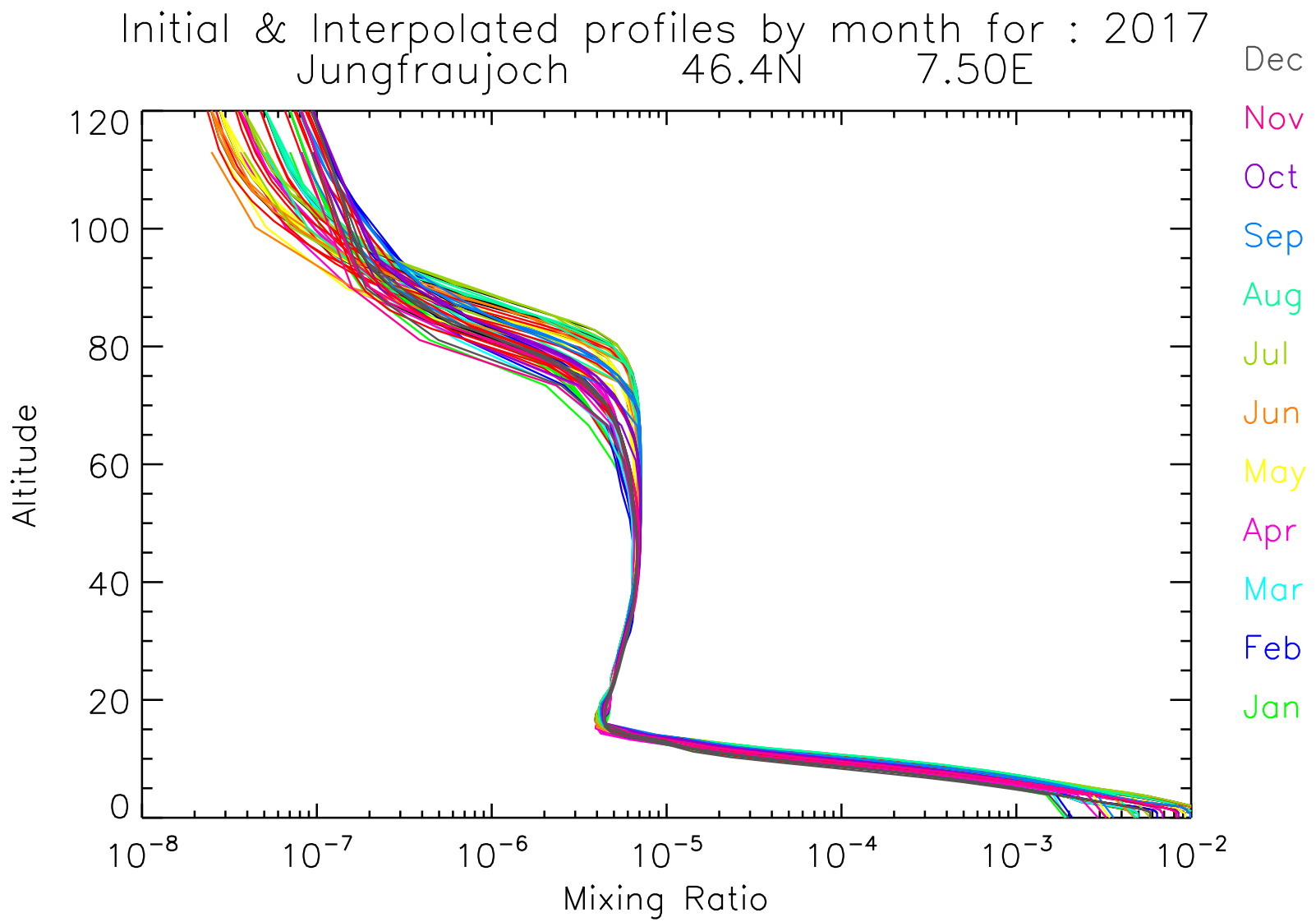

Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

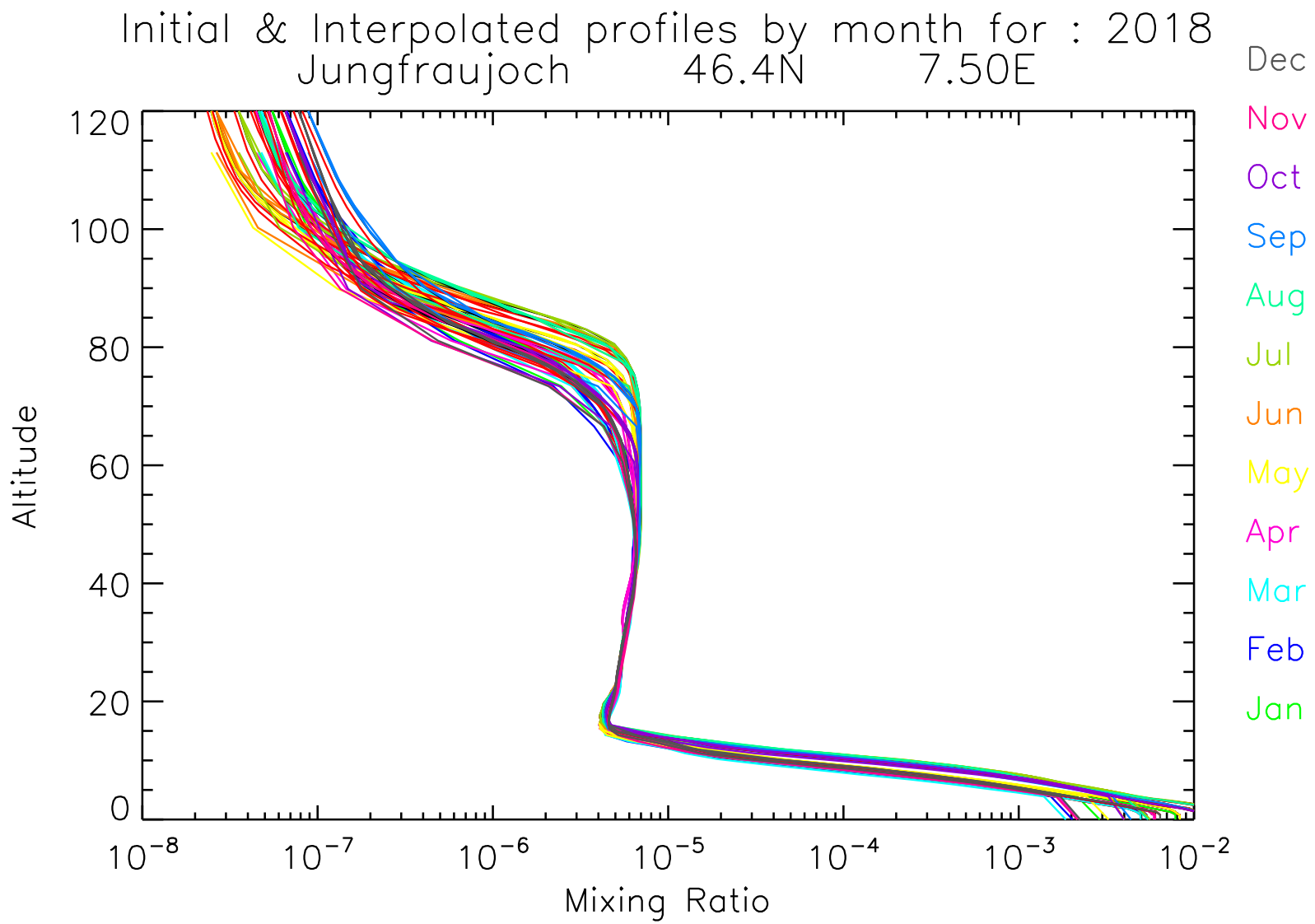

Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

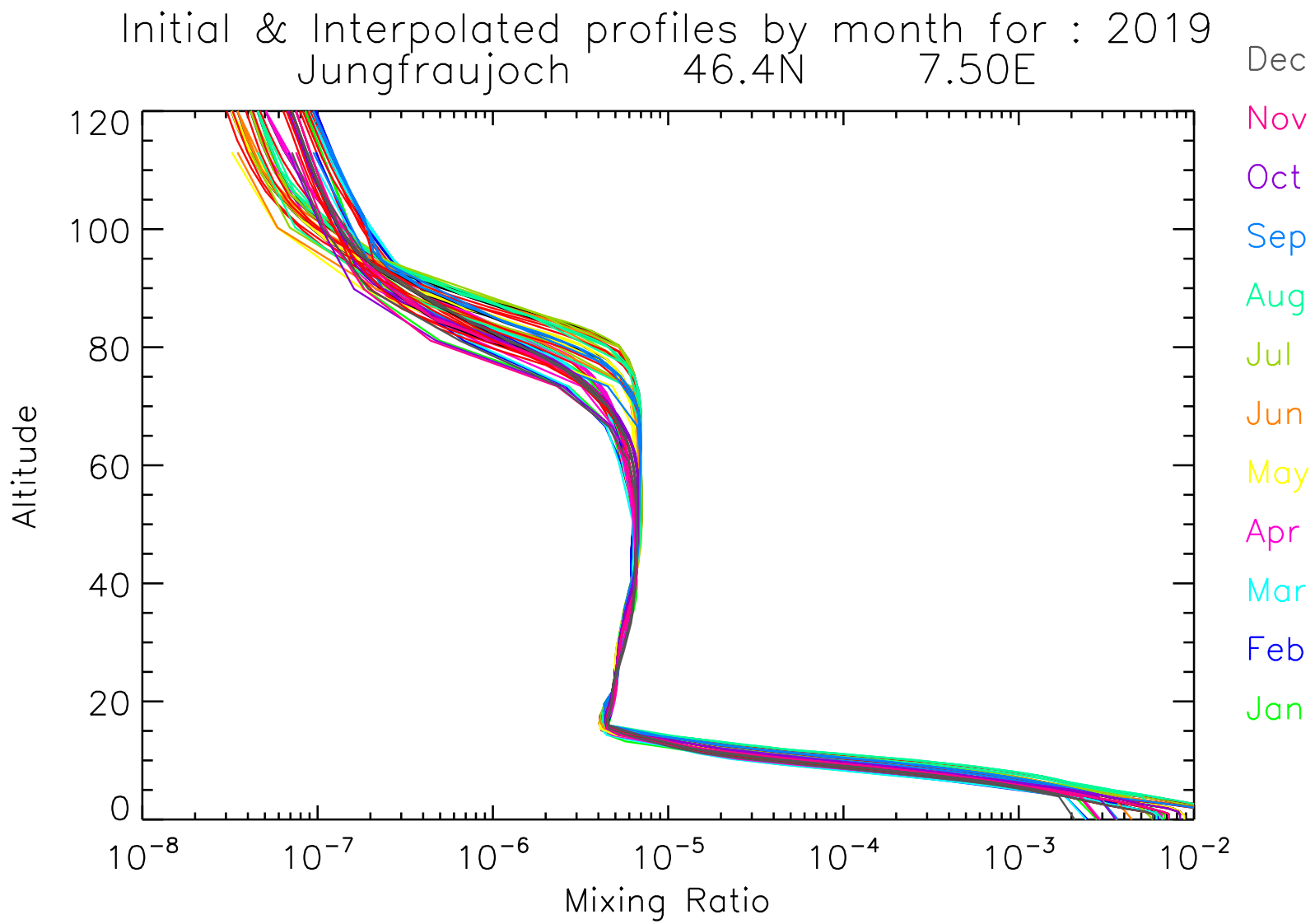

Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2014
Jungfraujoch 46.4N 7.50E
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 : 2015
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
Mixing Ratio
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2017
Jungfraujoch 46.4N 7.50E
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
Jungfraujoch 46.4N 7.50E
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
Jungfraujoch 46.4N 7.50E
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
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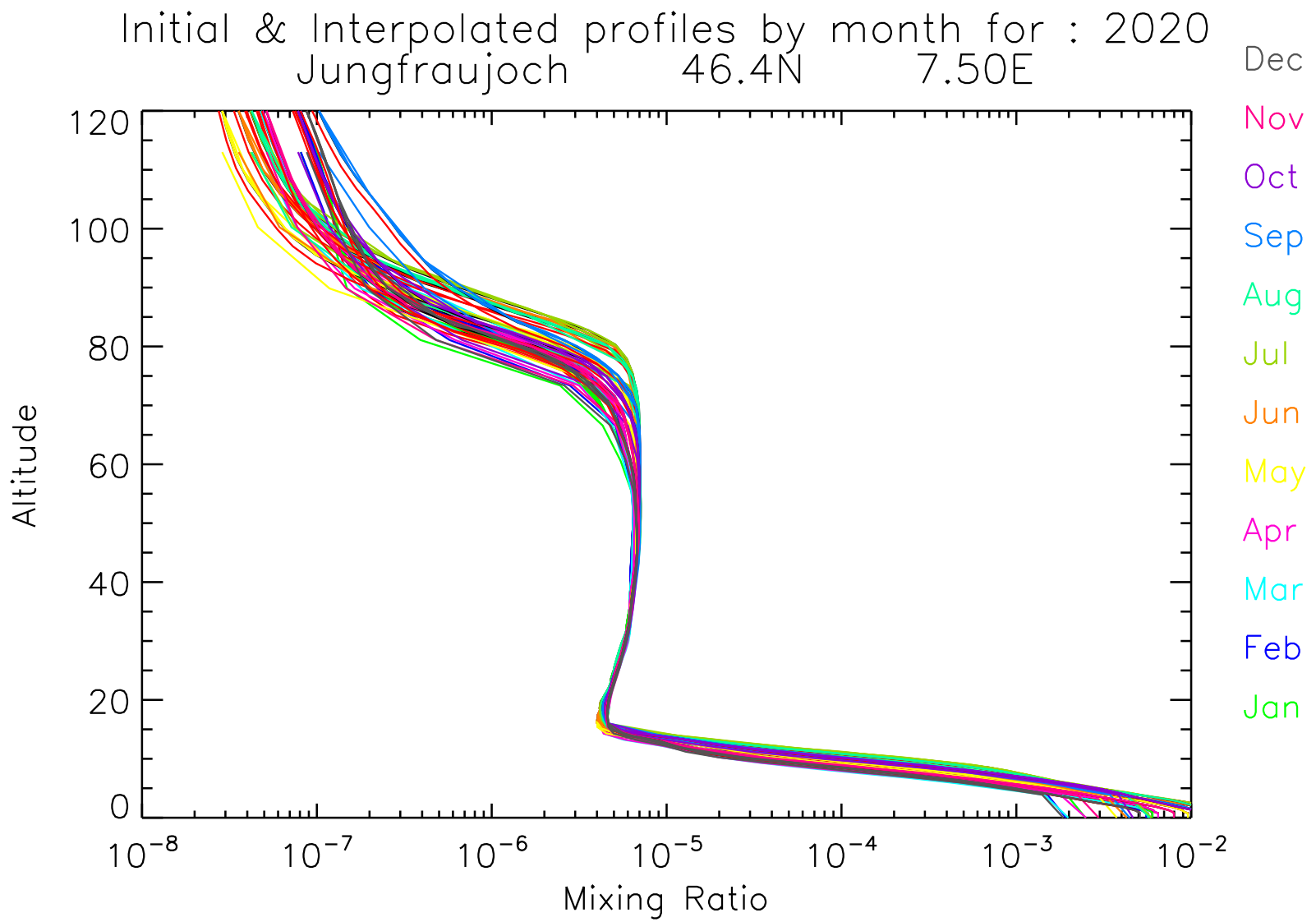
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2020
Jungfraujoch 46.4N 7.50E
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
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May
Apr
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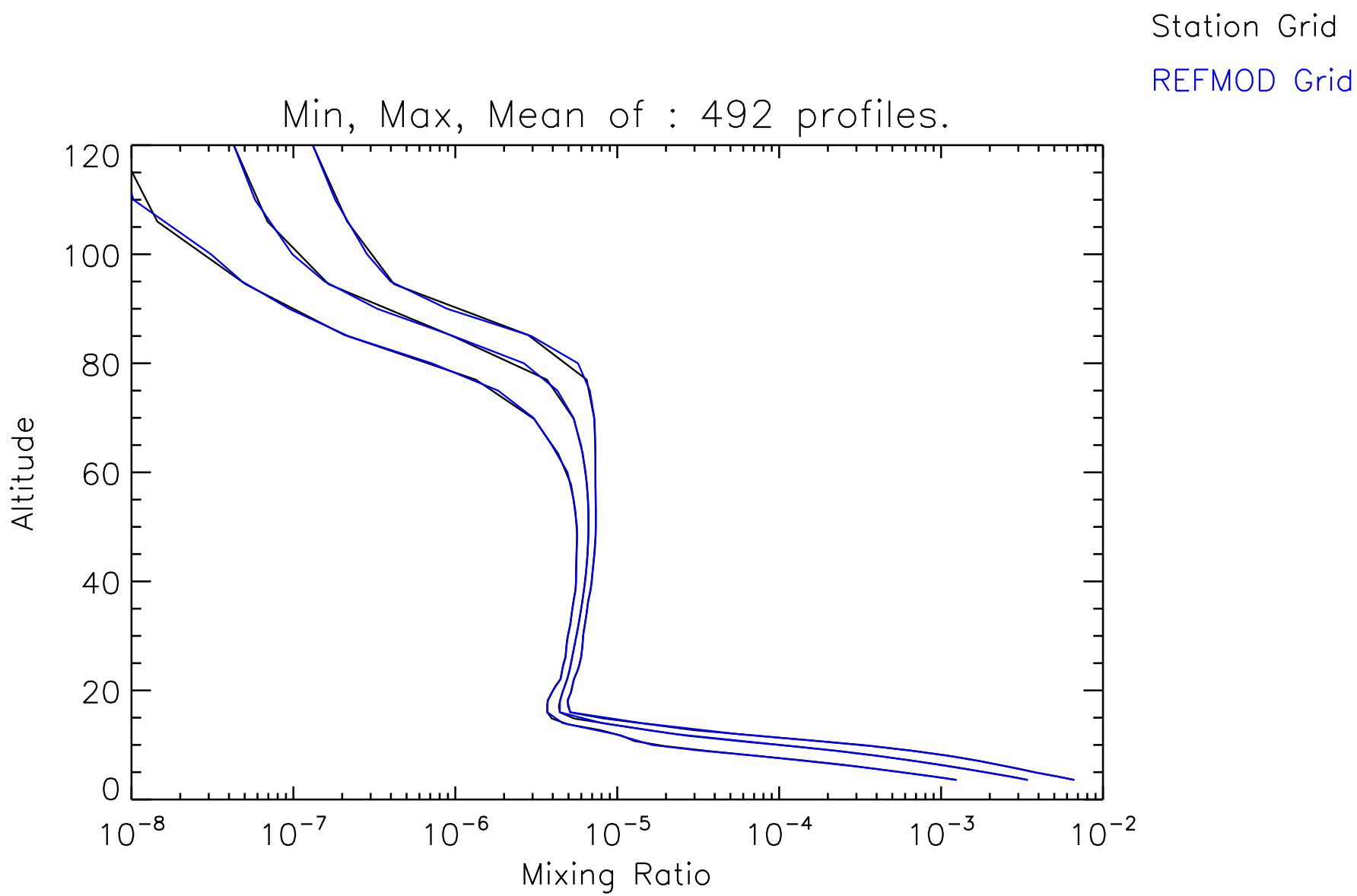
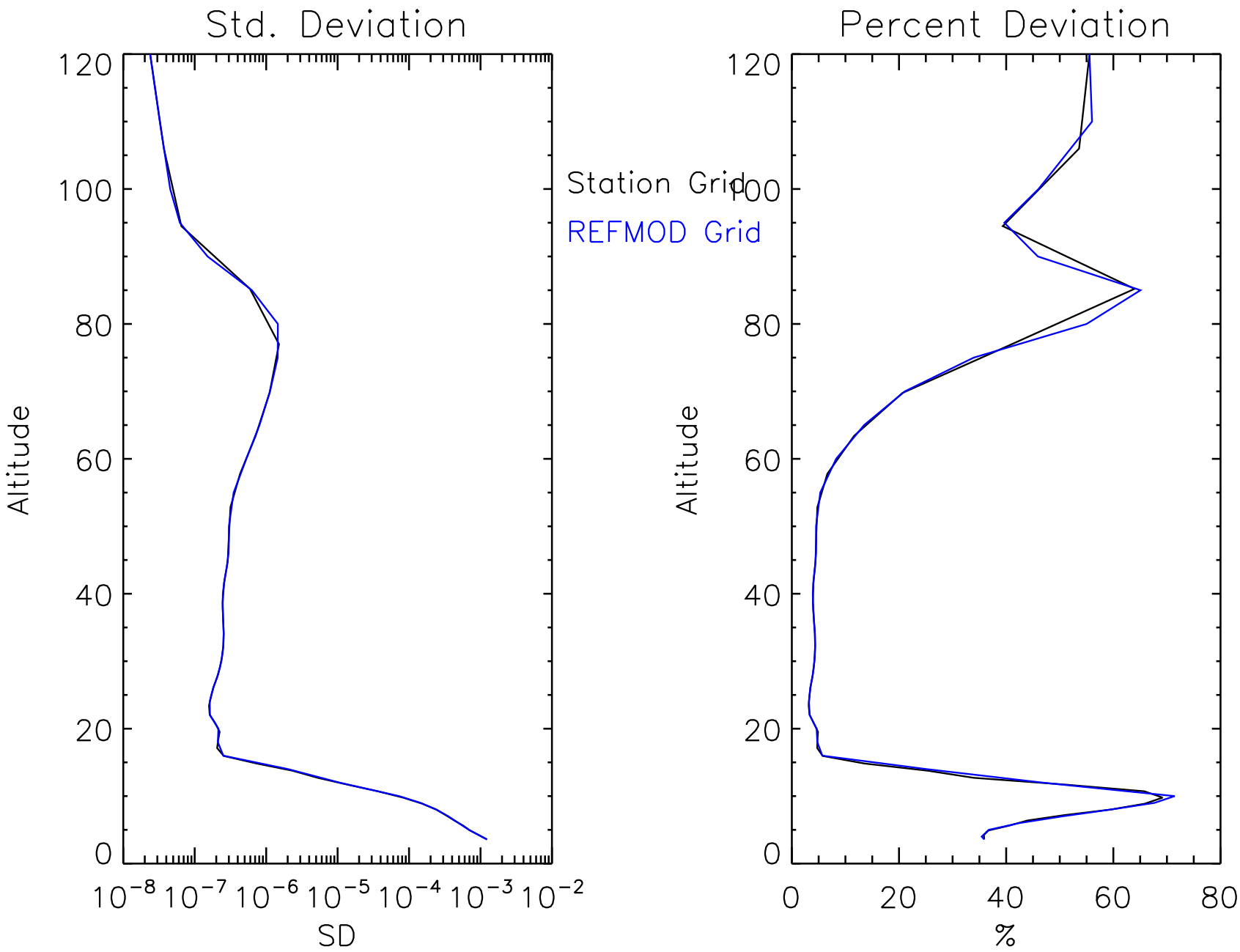
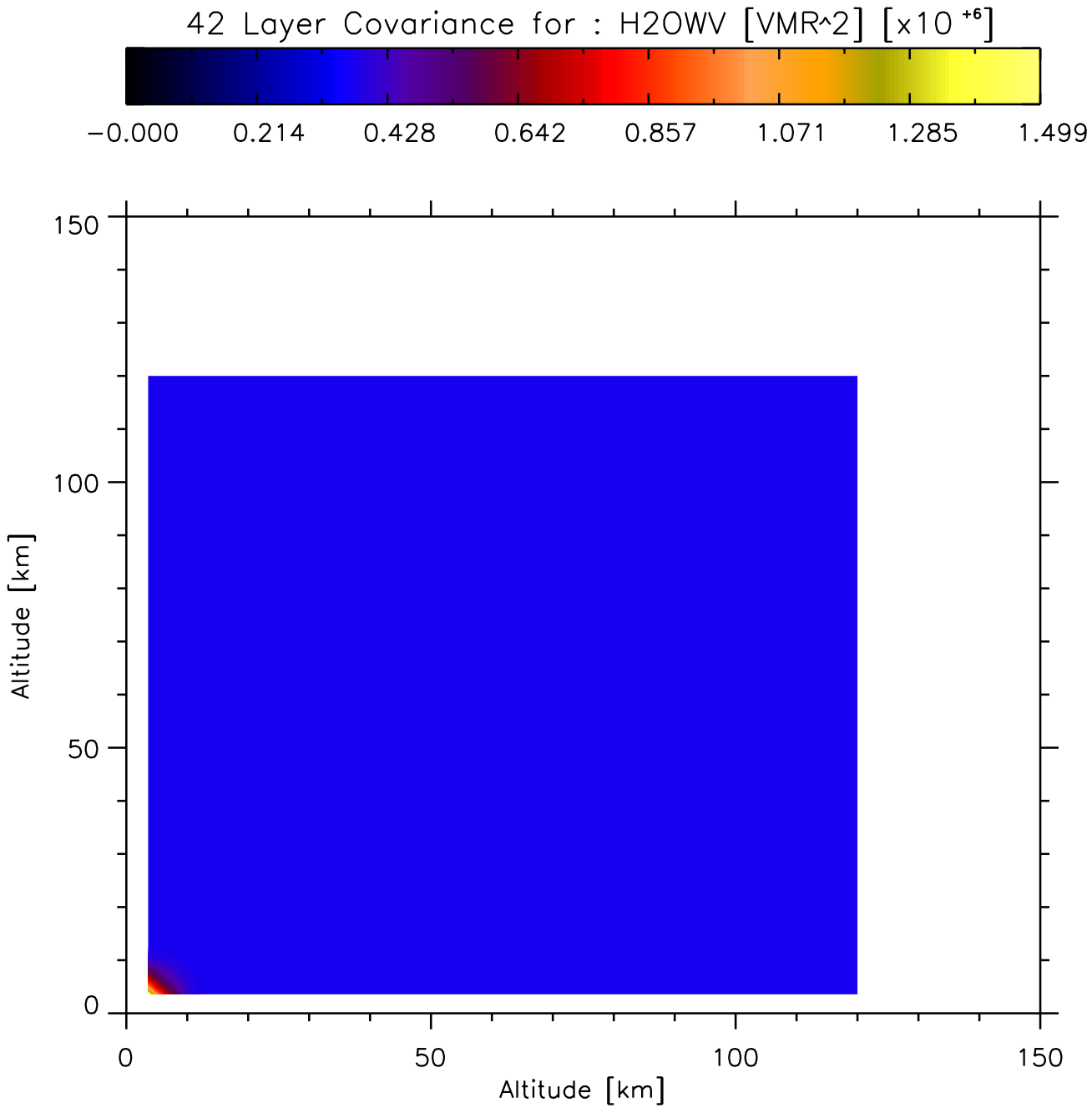
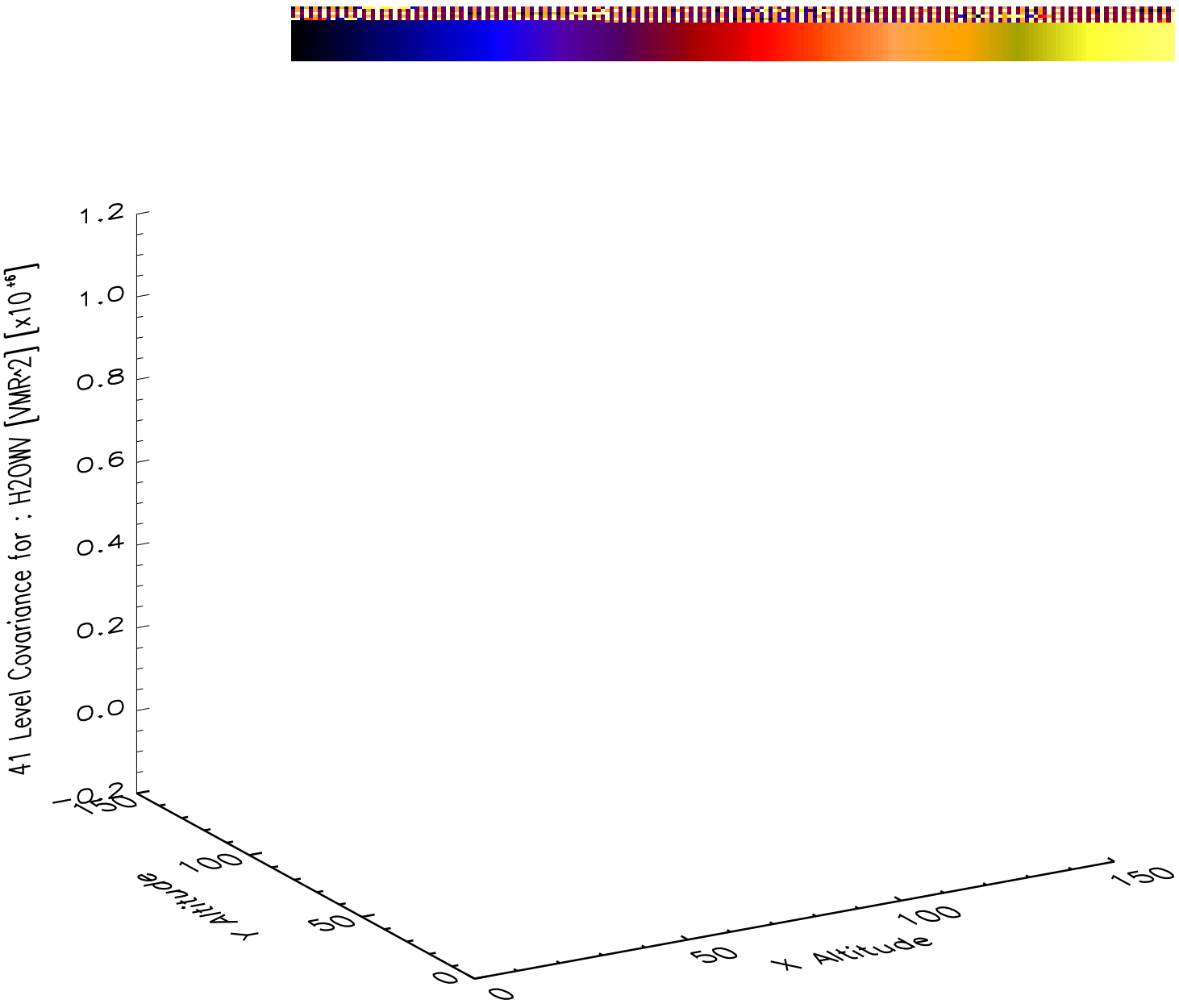
Feb
Jan


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
%


42 Layer Covariance for : H2OWV [VMR^2] [x10 +6]
−0.000
0.214
0.428
0.642
0.857
1.071
1.285
1.499
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

42 Layer Covariance for : H2OWV [VMR^2] [x10^-6]
-0.5
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
50
100
0
50
100
X Altitude


41 Level Covariance for : H2OWV [VMR^2] [x10^-6]
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
Y Altitude
150
100
50
0
X Altitude
0
50
100
150