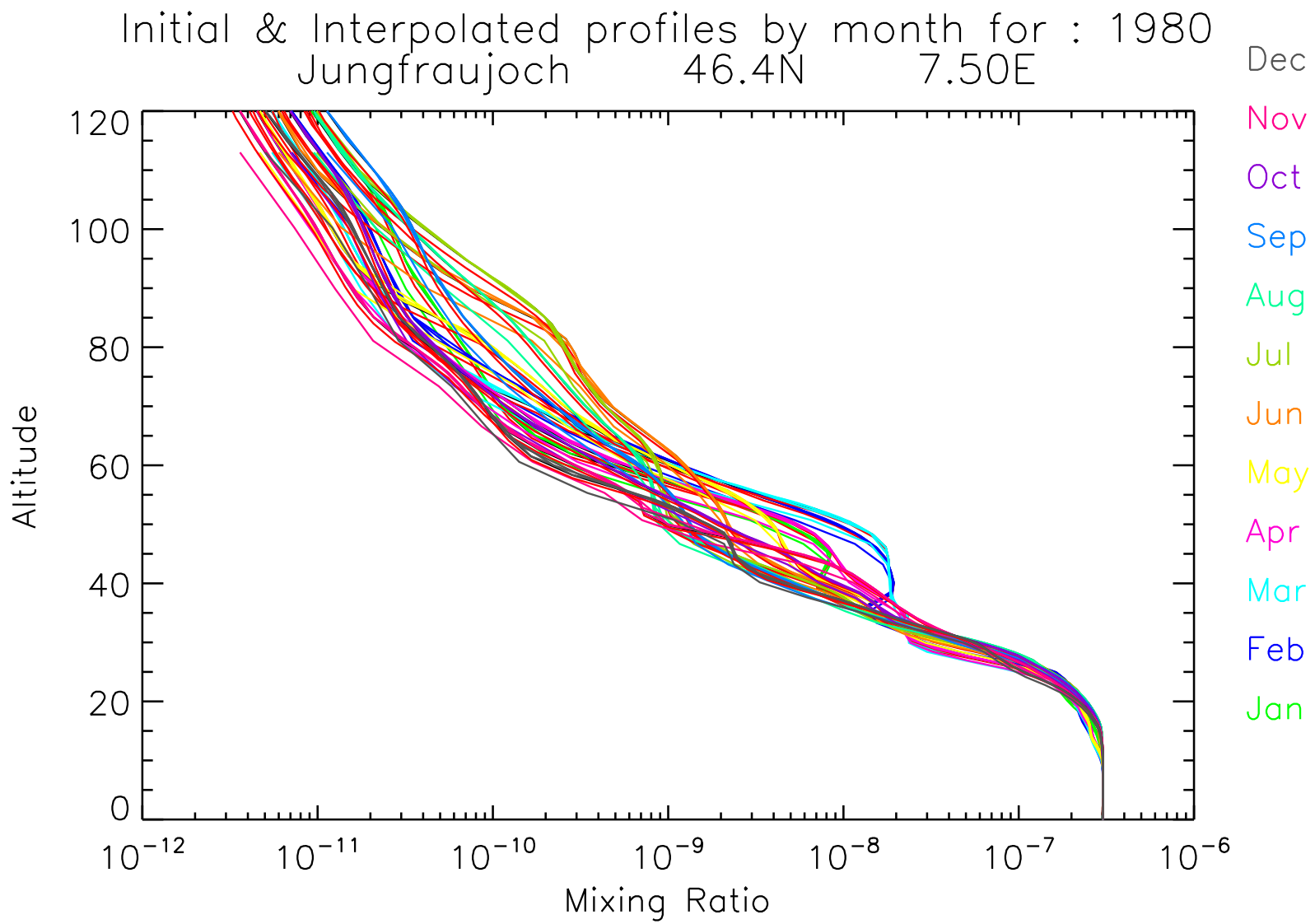
Initial & Interpolated profiles by month for : 1980
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Altitude
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Mixing Ratio
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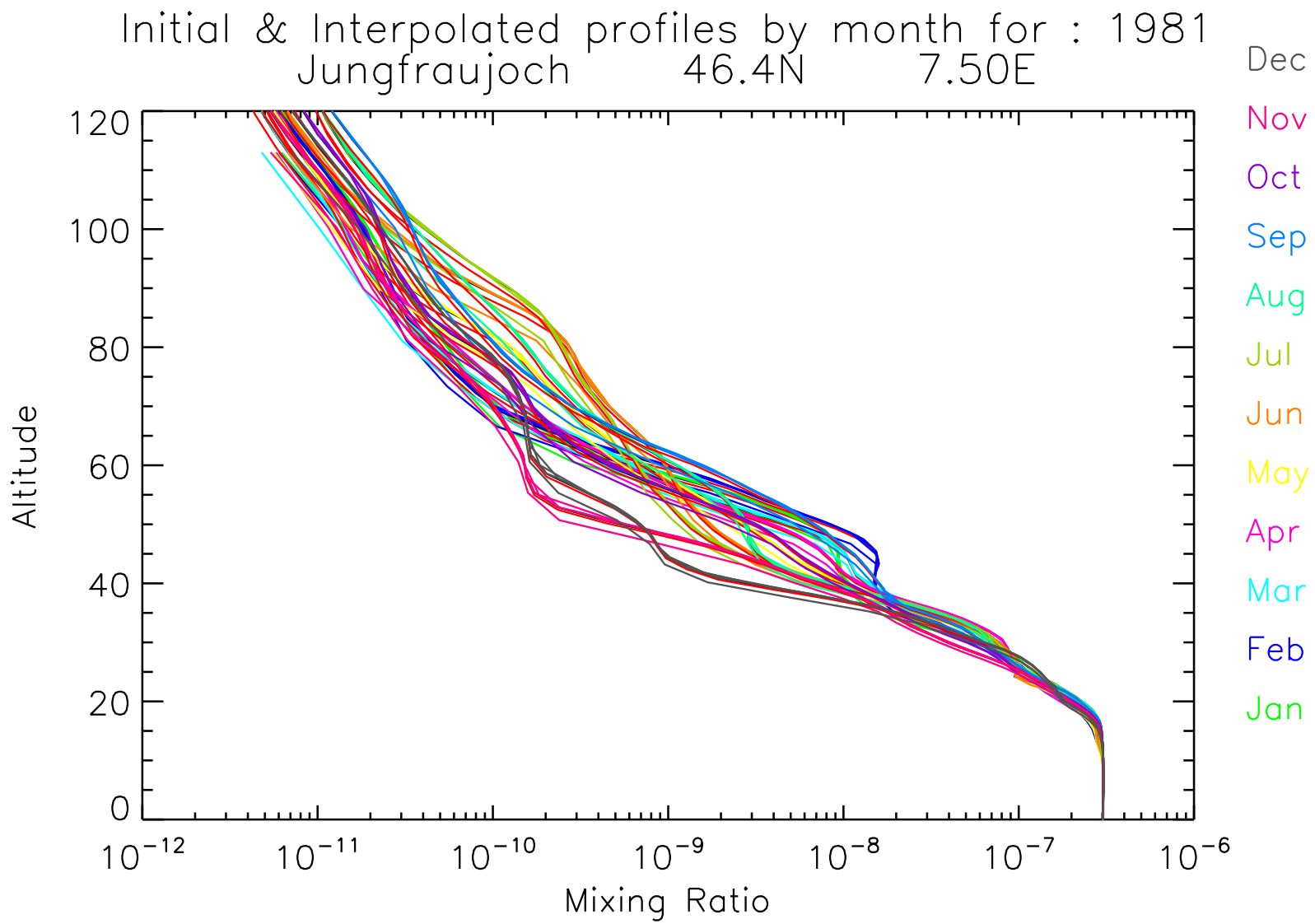
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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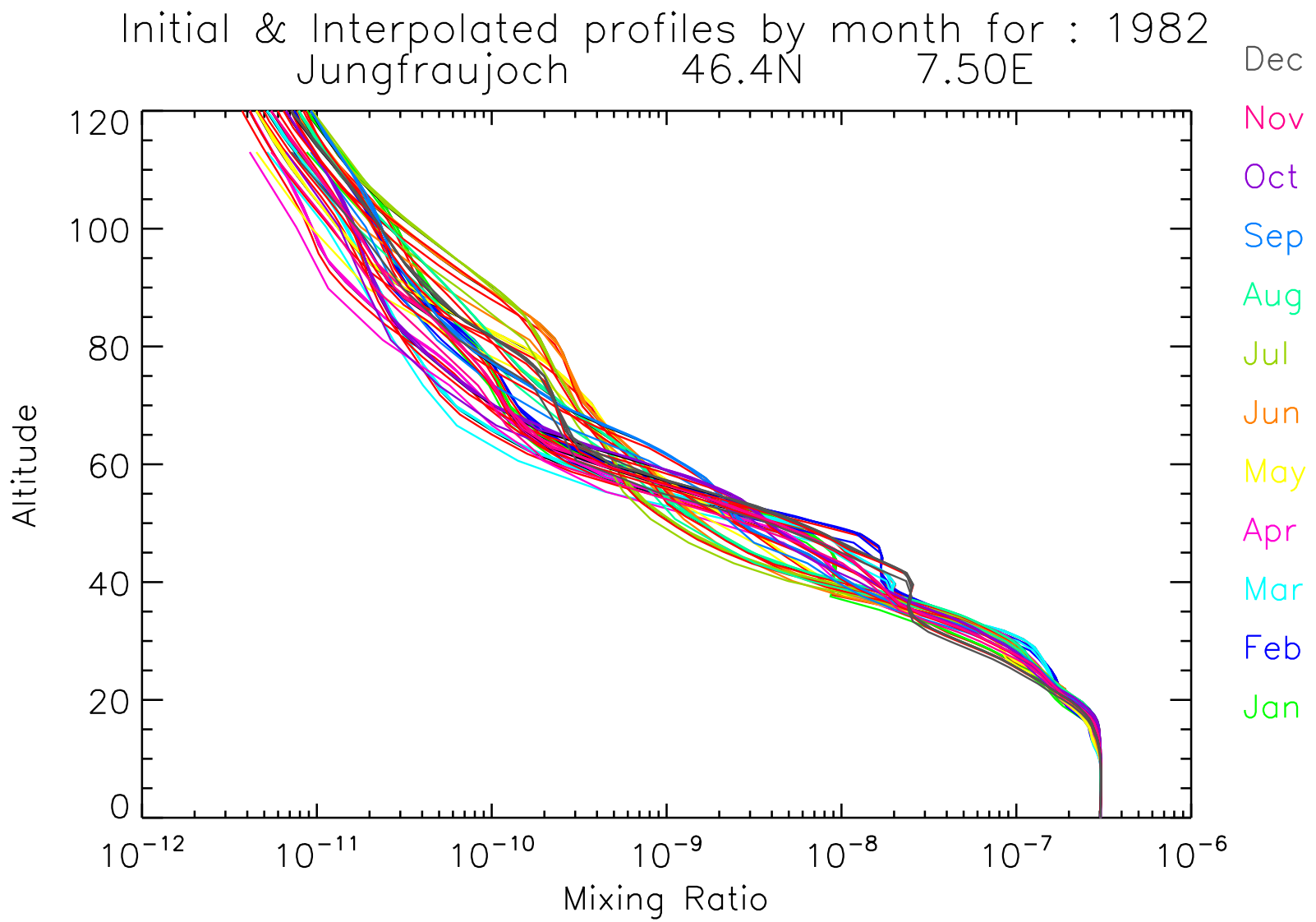
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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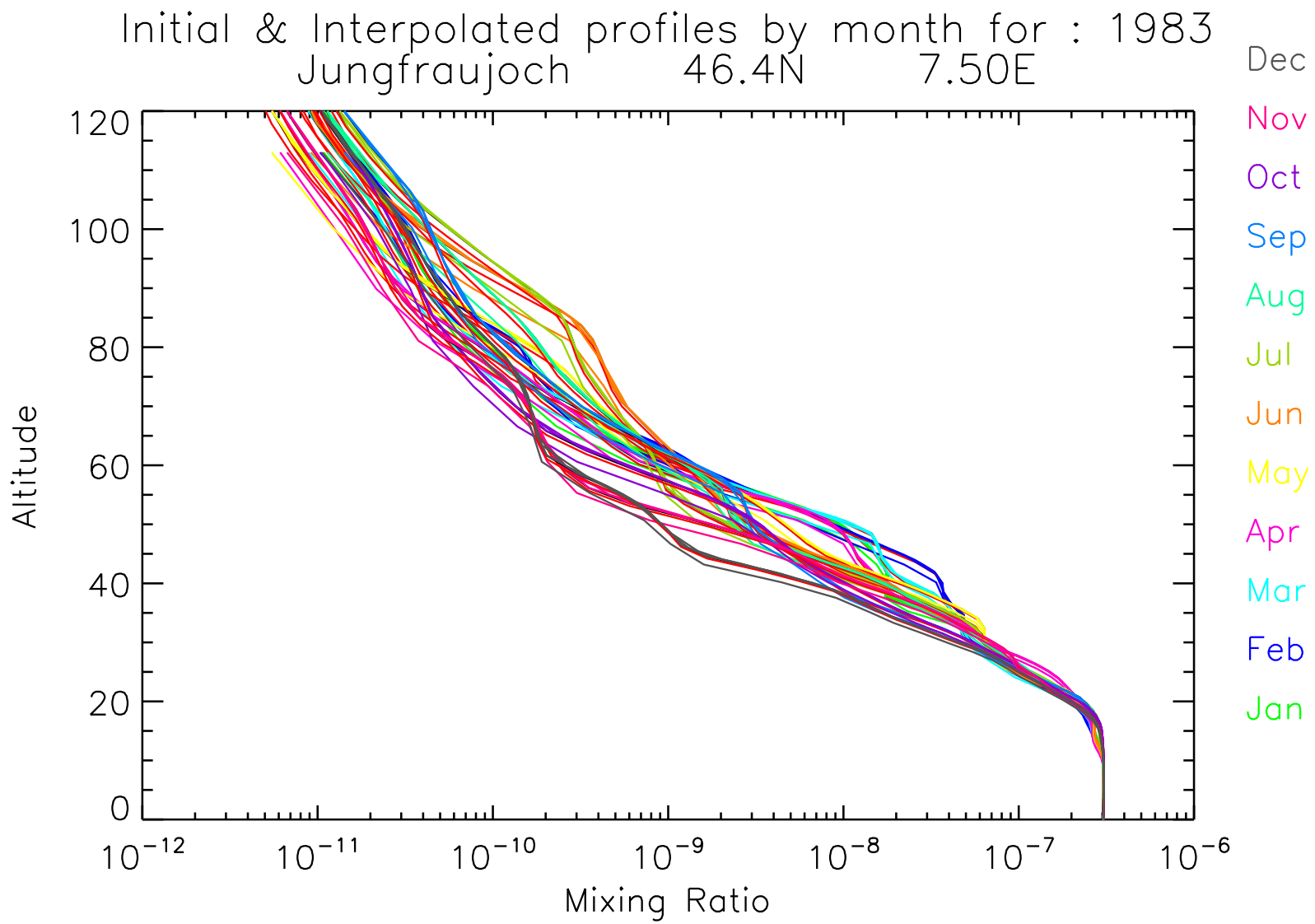
Initial & Interpolated profiles by month for : 1983
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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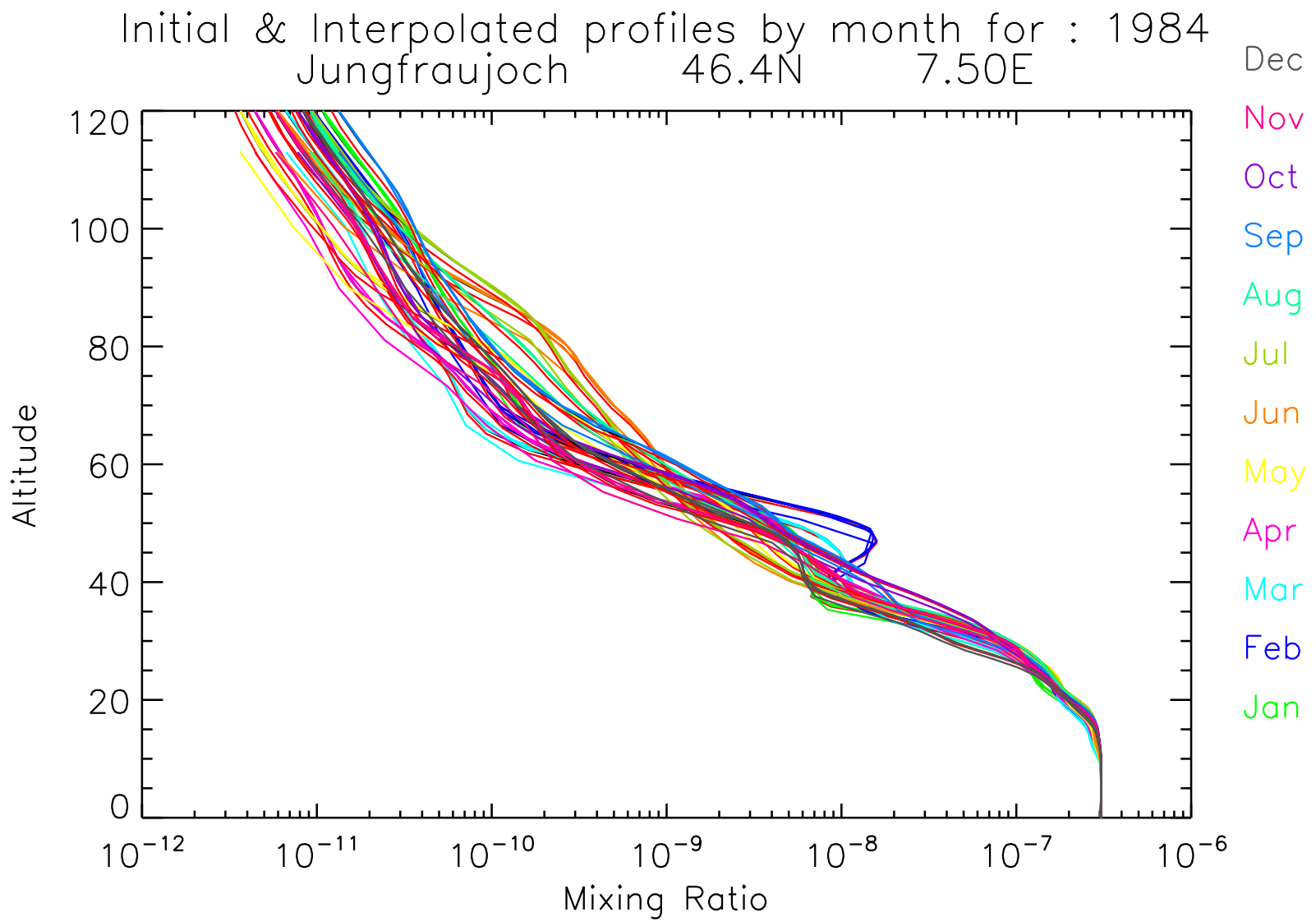
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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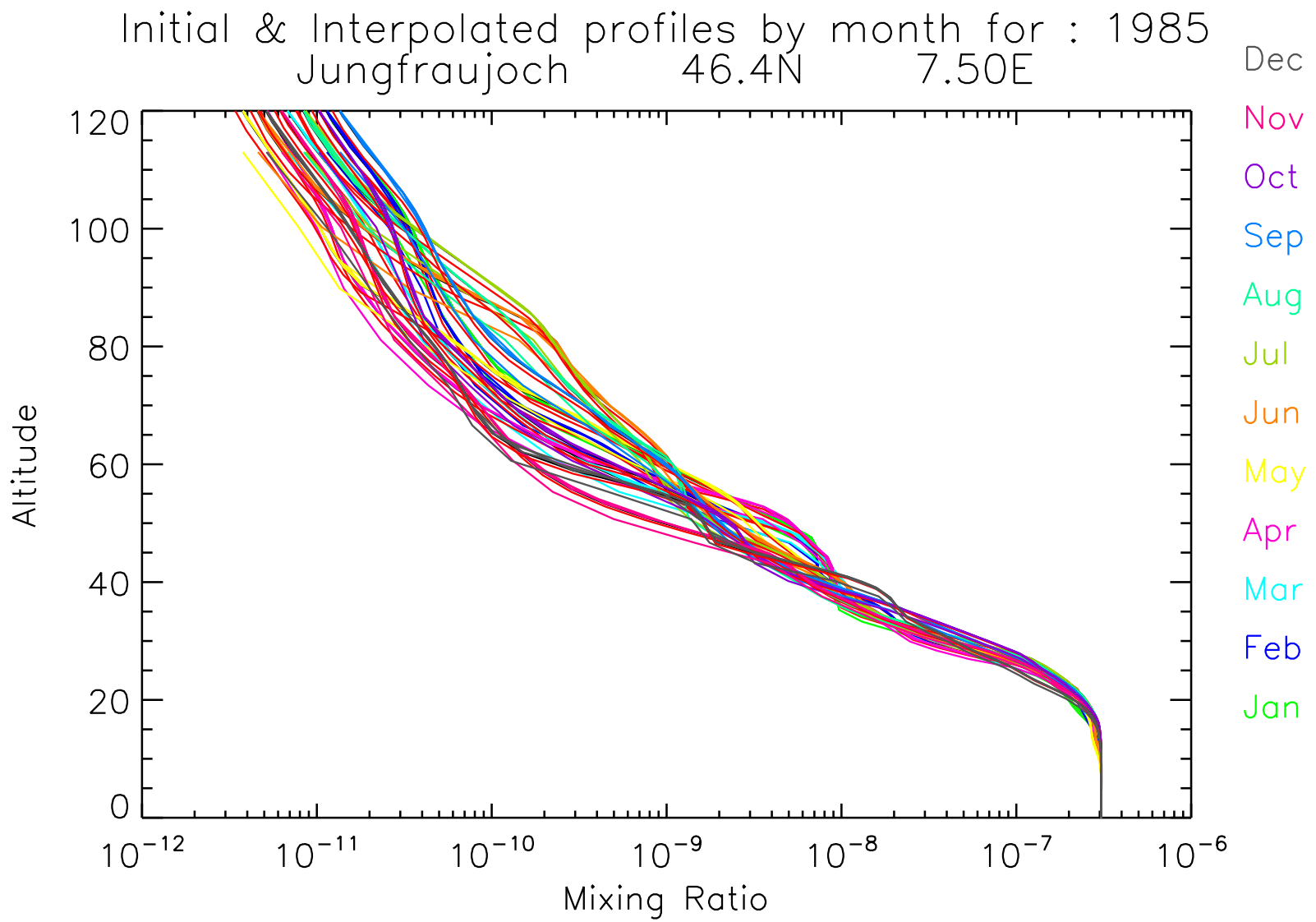
Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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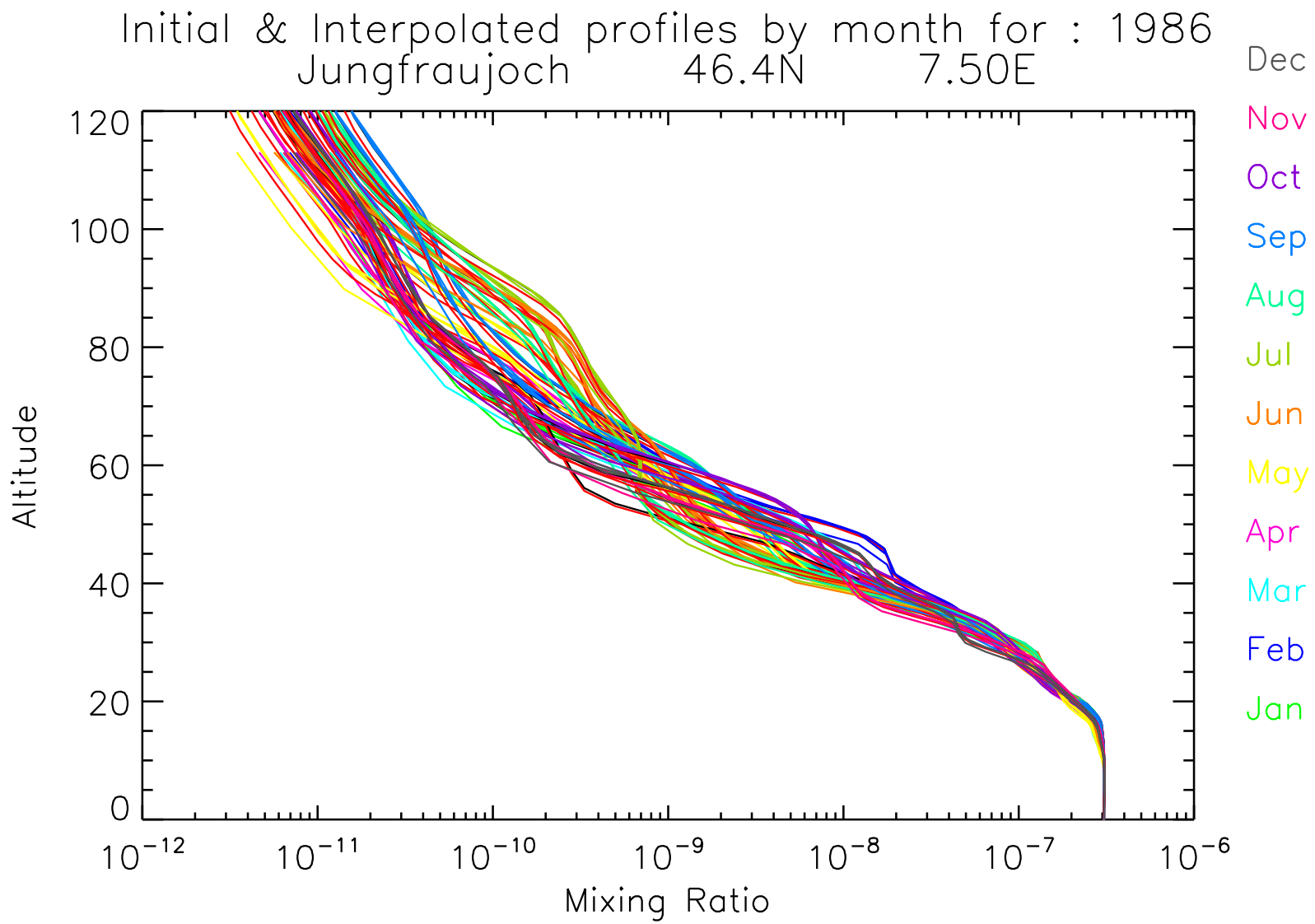
Initial & Interpolated profiles by month for : 1986
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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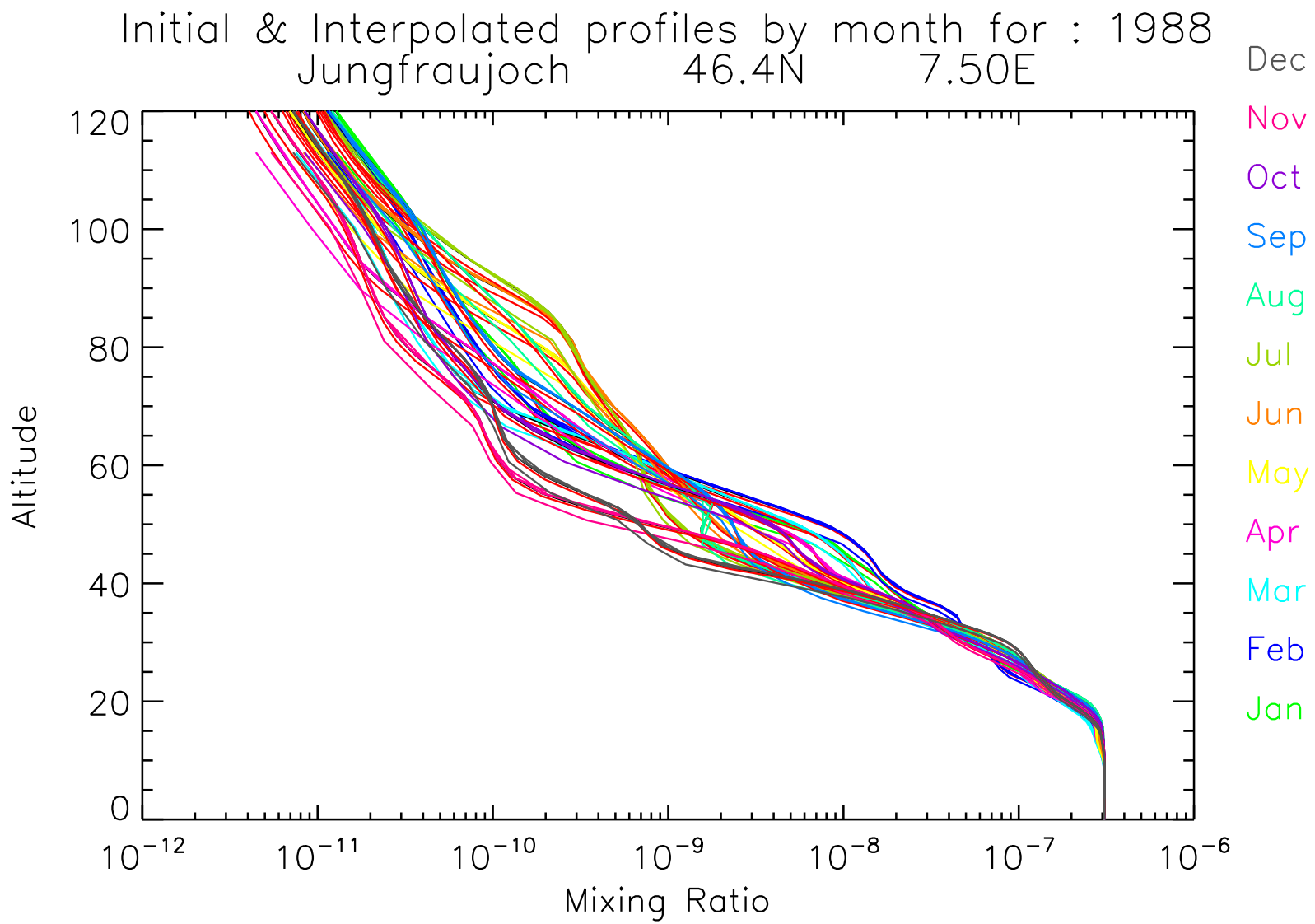
Initial & Interpolated profiles by month for : 1988
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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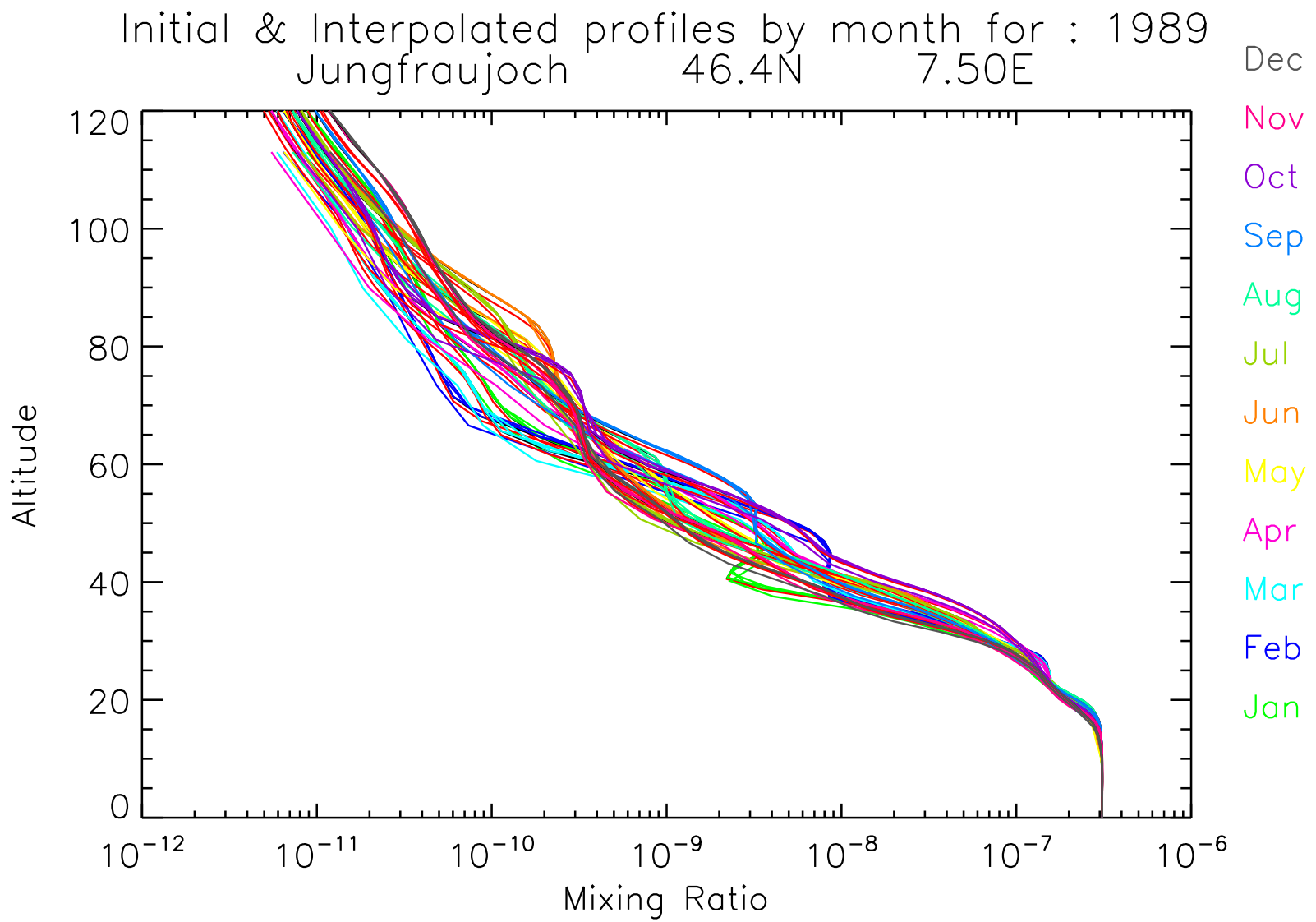
Initial & Interpolated profiles by month for : 1989
Jungfraujoch 46.4N 7.50E
Altitude
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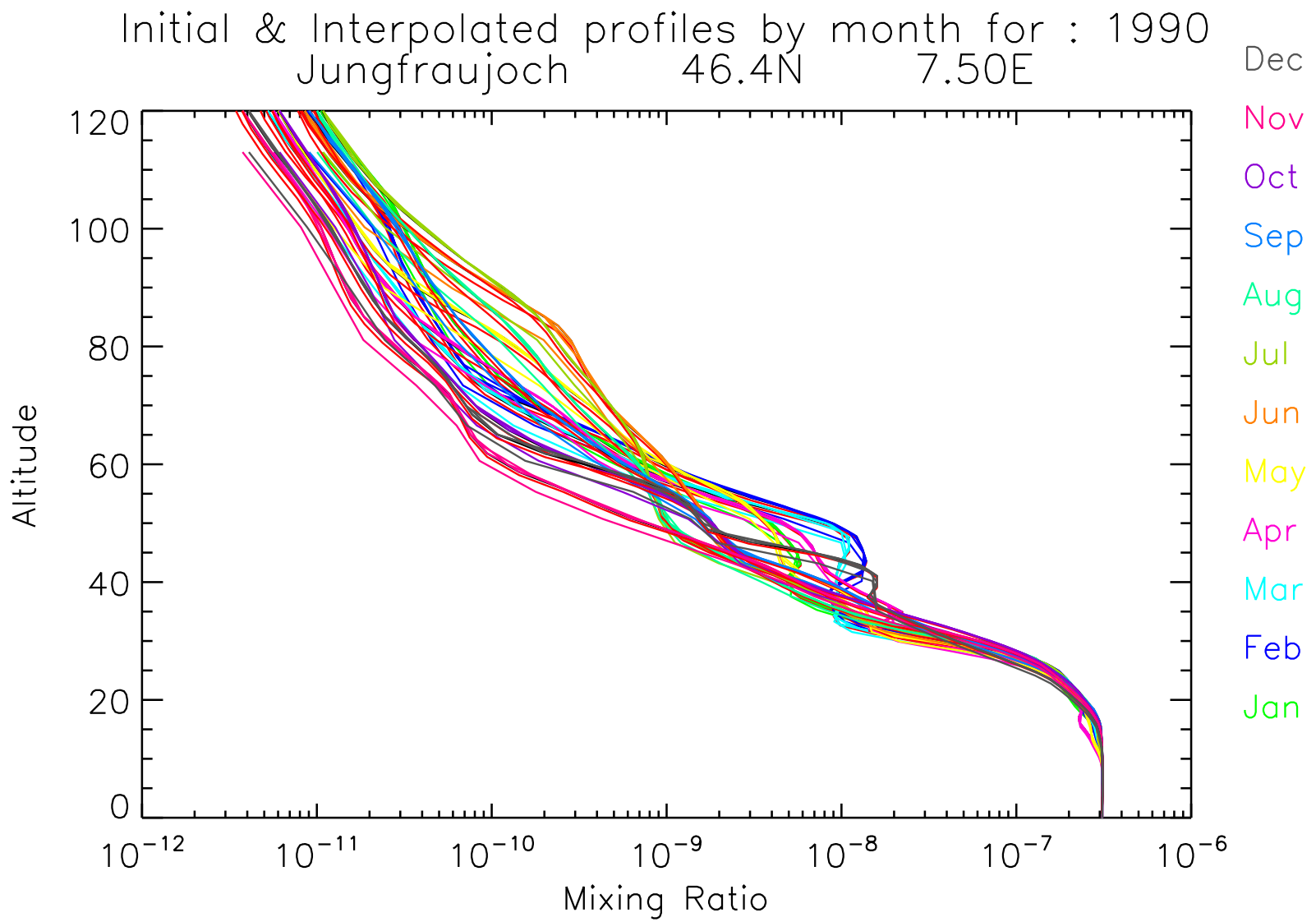
Initial & Interpolated profiles by month for : 1990
Jungfraujoch 46.4N 7.50E
Altitude
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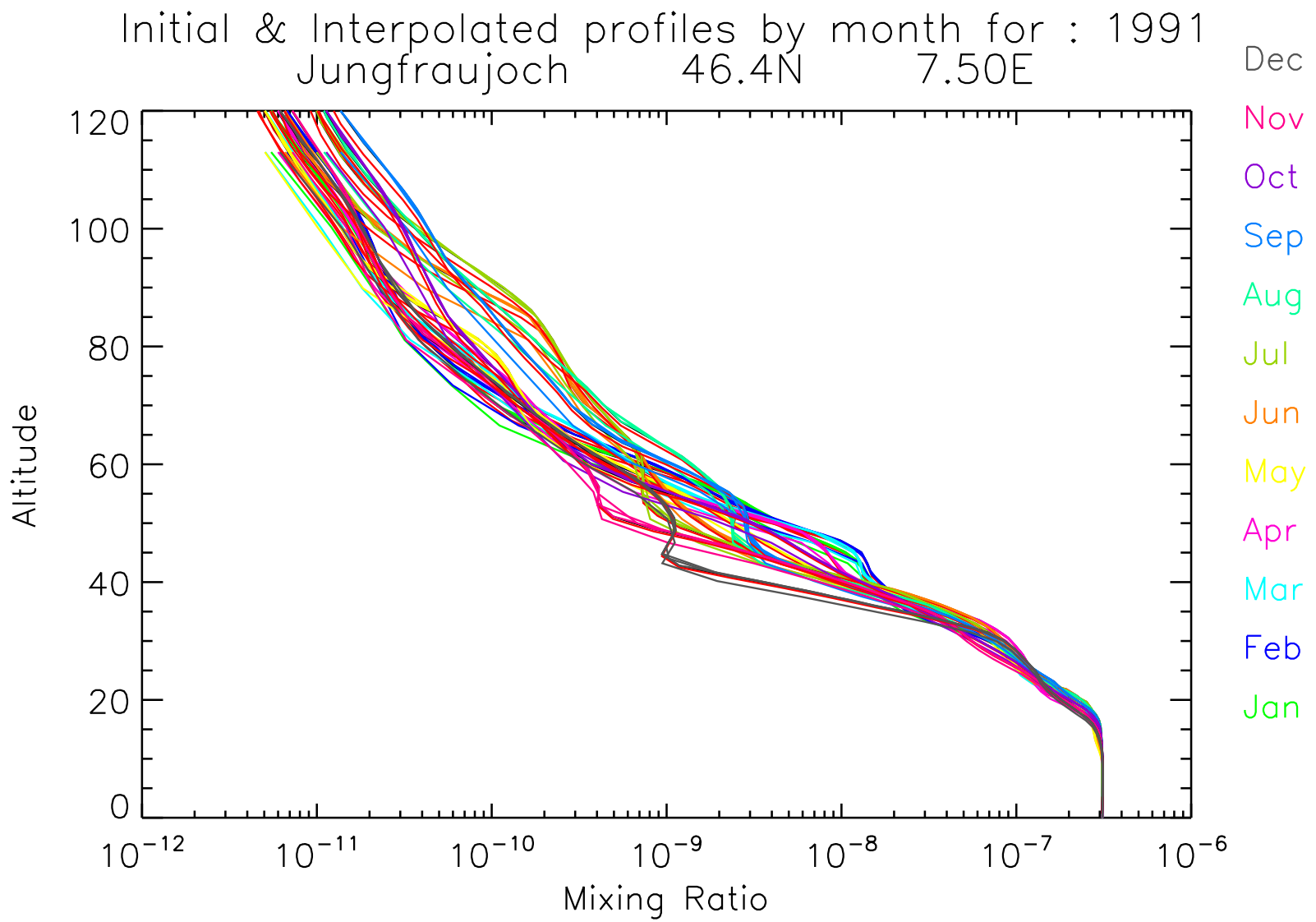
Initial & Interpolated profiles by month for : 1991
Jungfraujoch 46.4N 7.50E
Altitude
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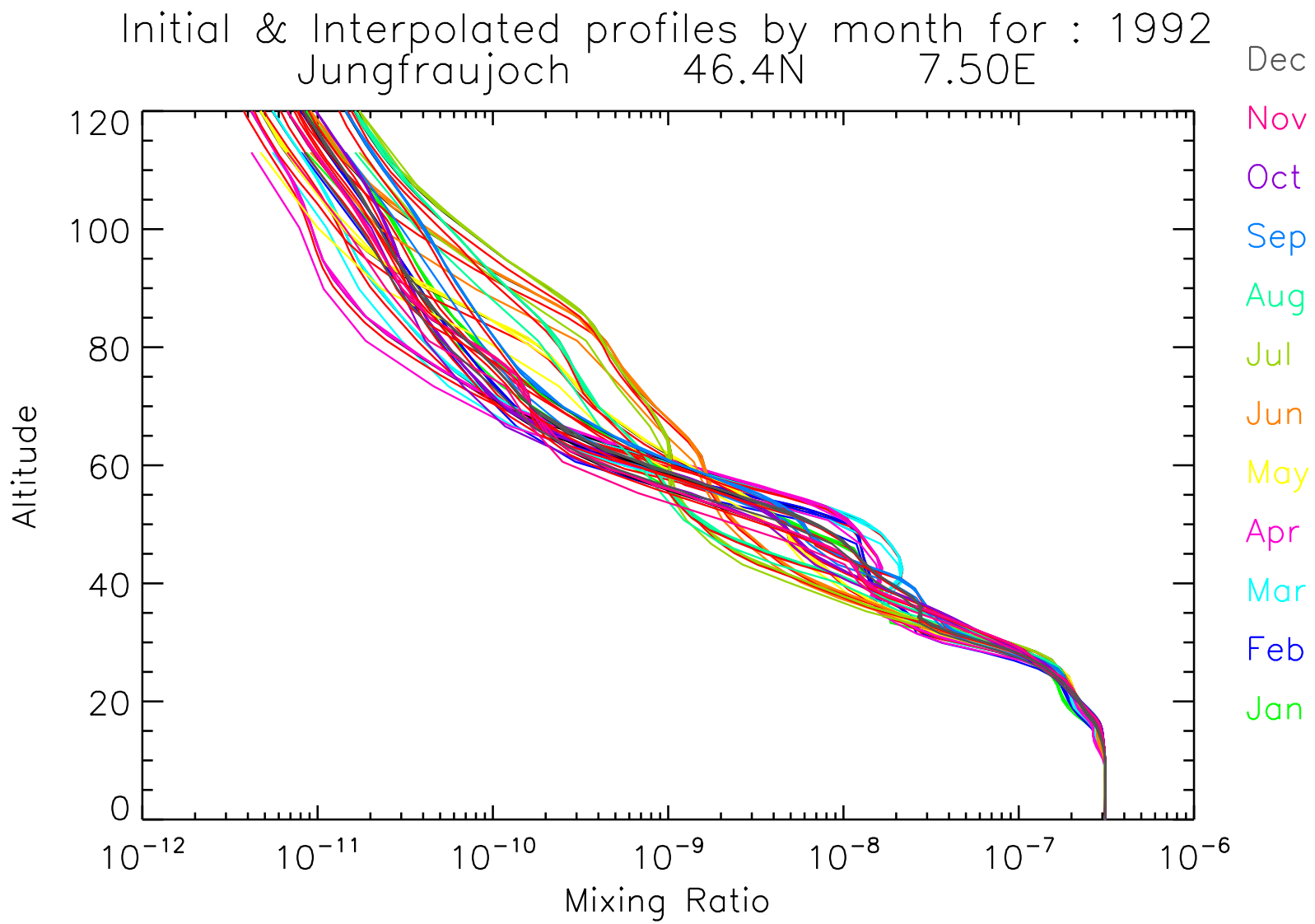
Initial & Interpolated profiles by month for : 1992
Jungfraujoch 46.4N 7.50E
Altitude
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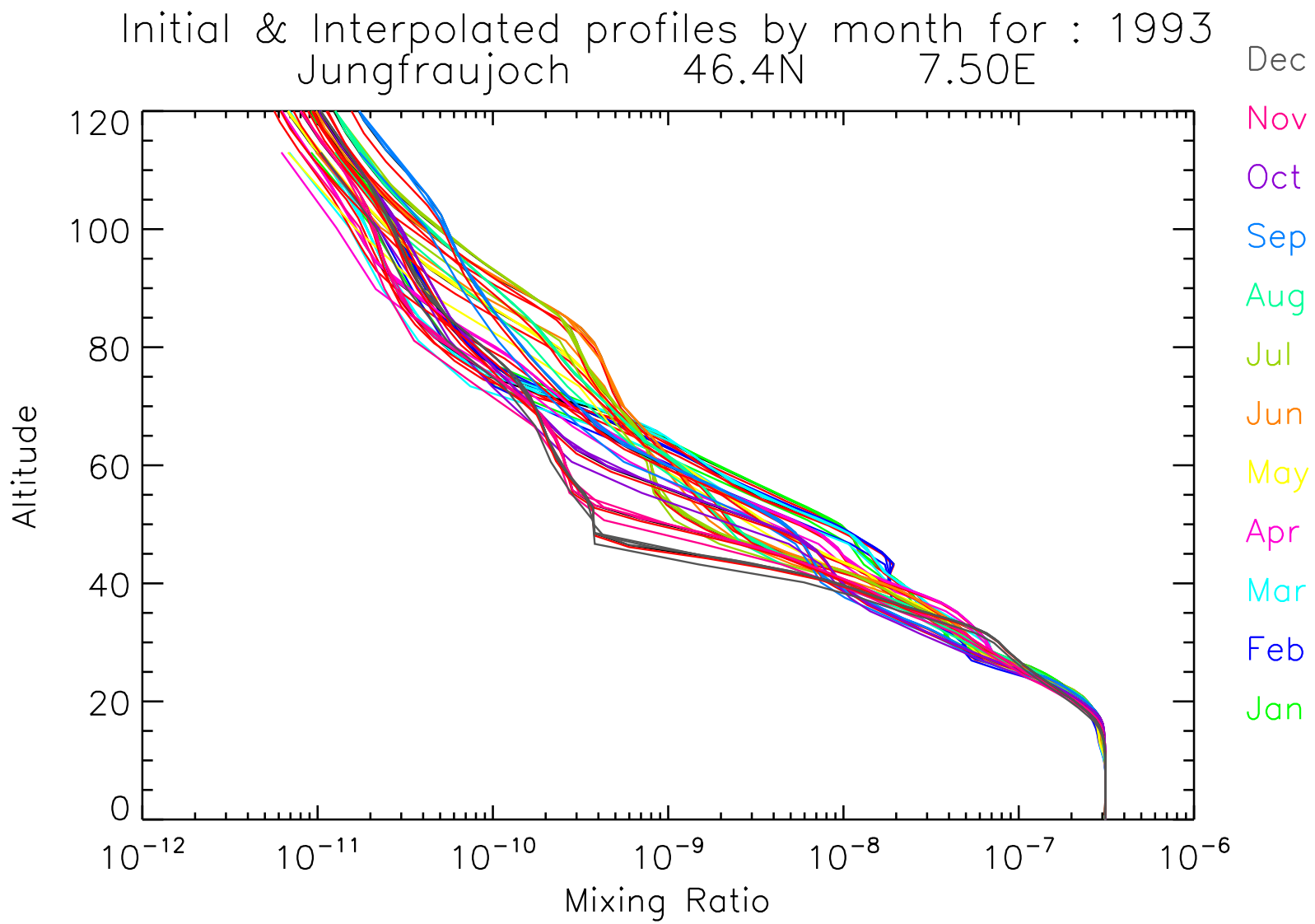
Initial & Interpolated profiles by month for : 1993
Jungfraujoch 46.4N 7.50E
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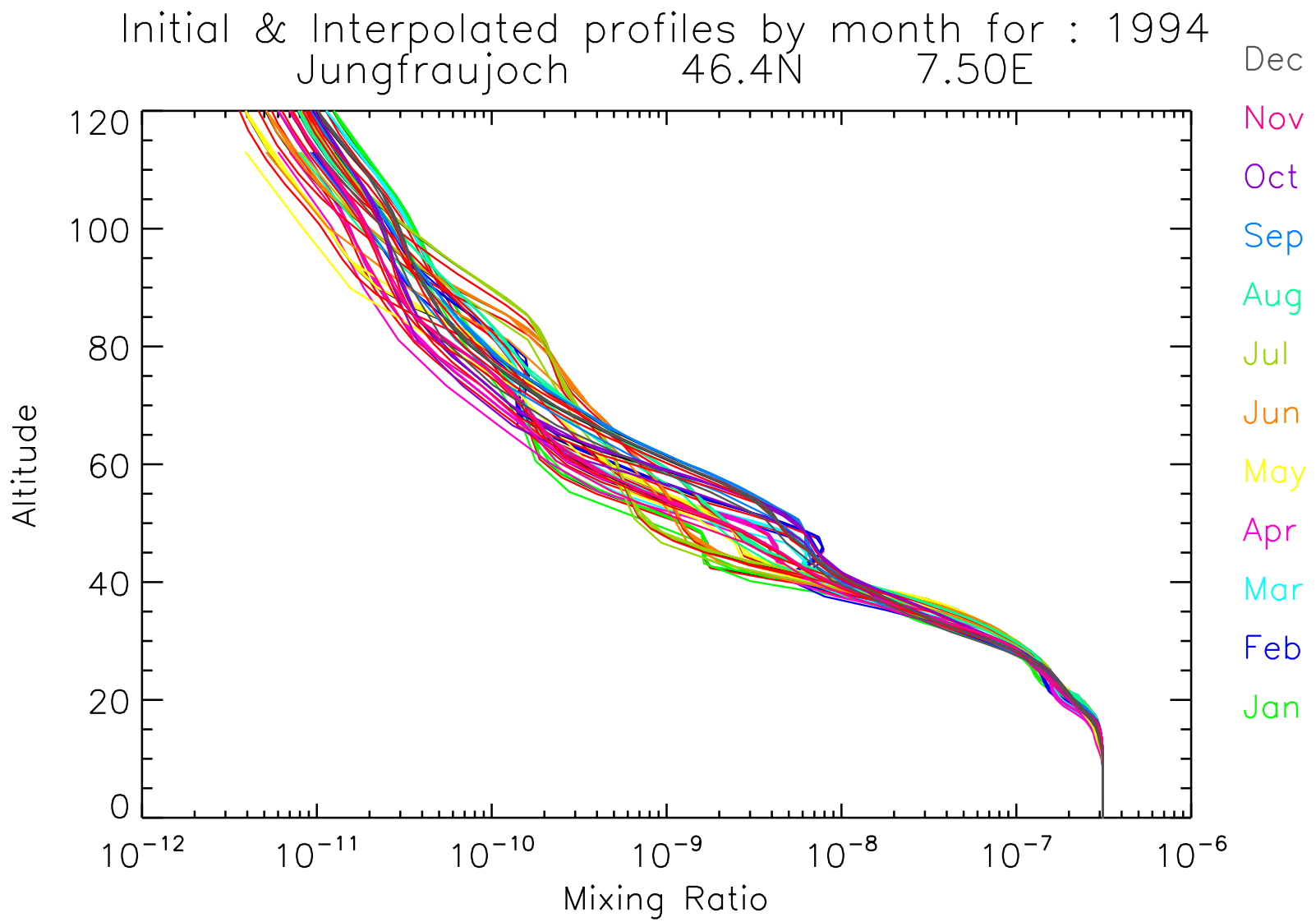
Initial & Interpolated profiles by month for : 1994
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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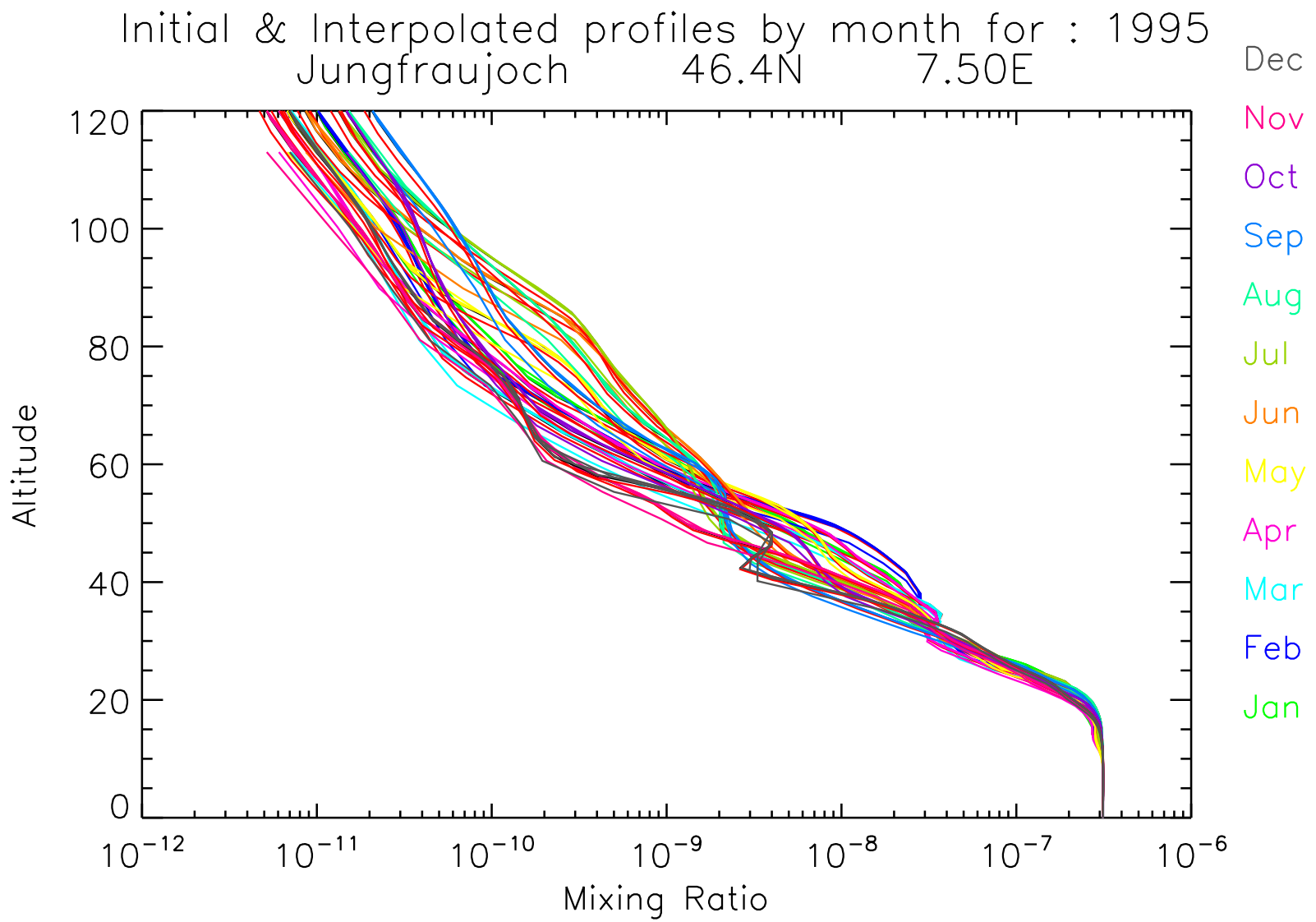
Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
Altitude
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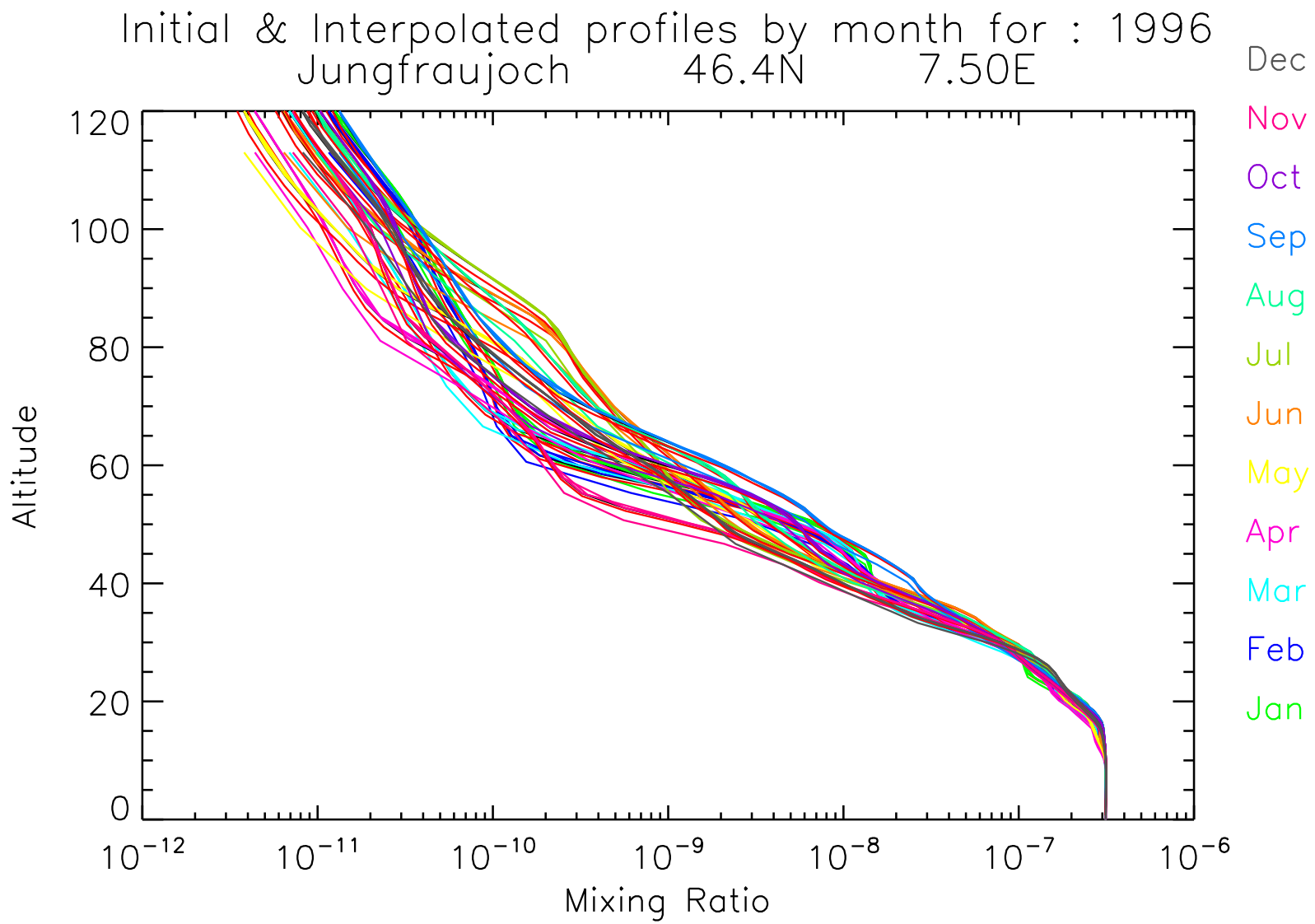
Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
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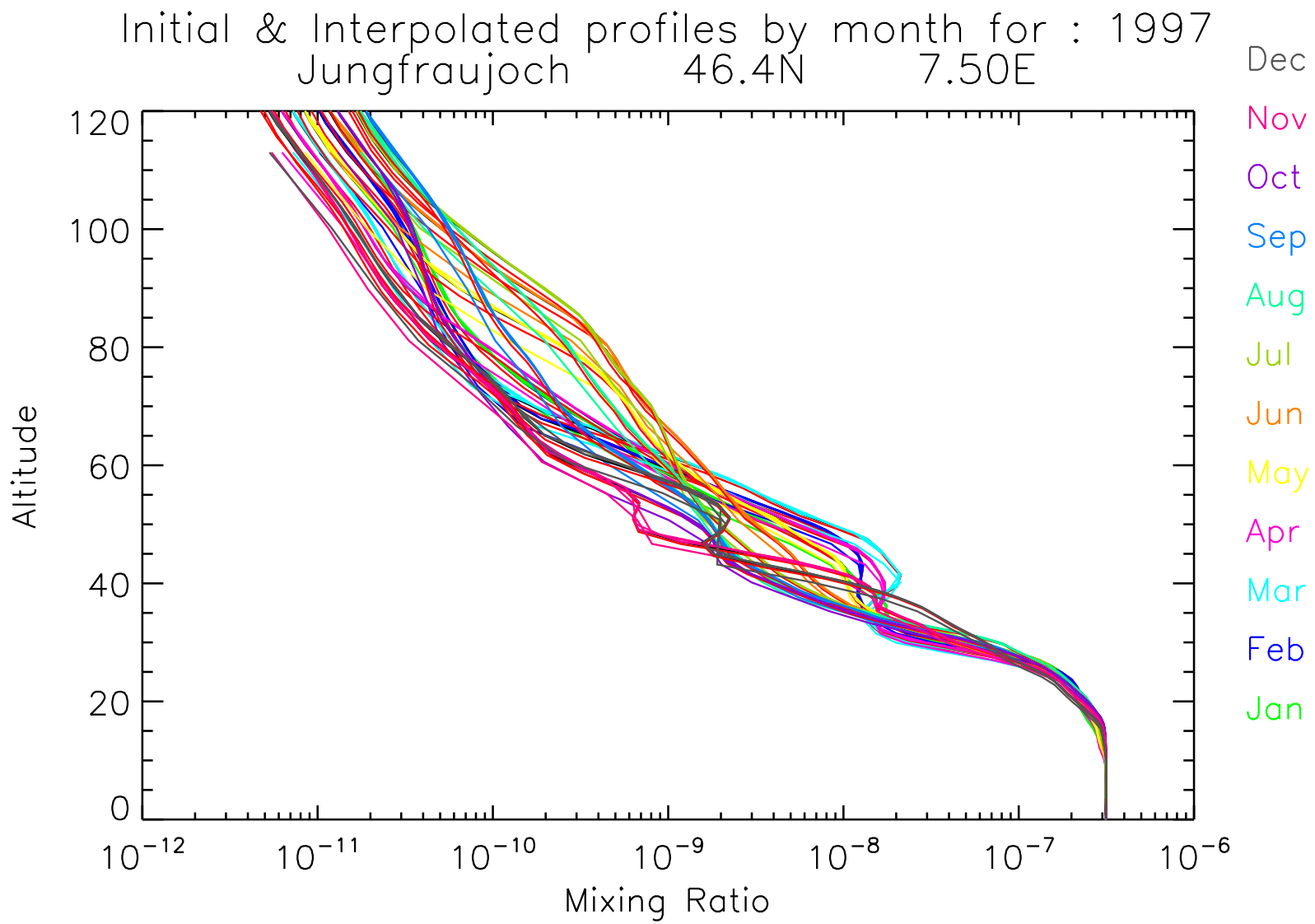
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Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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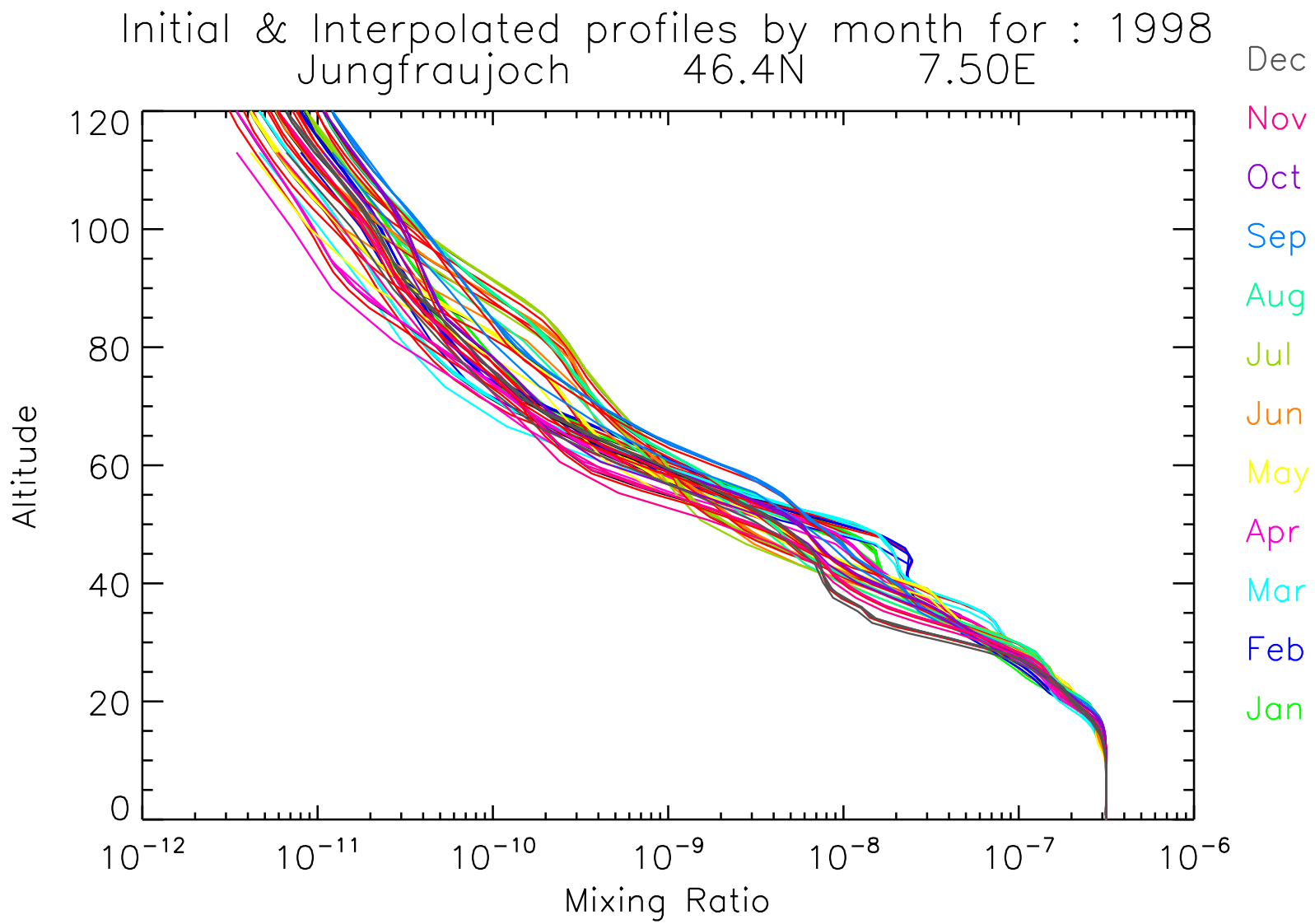
Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
Altitude
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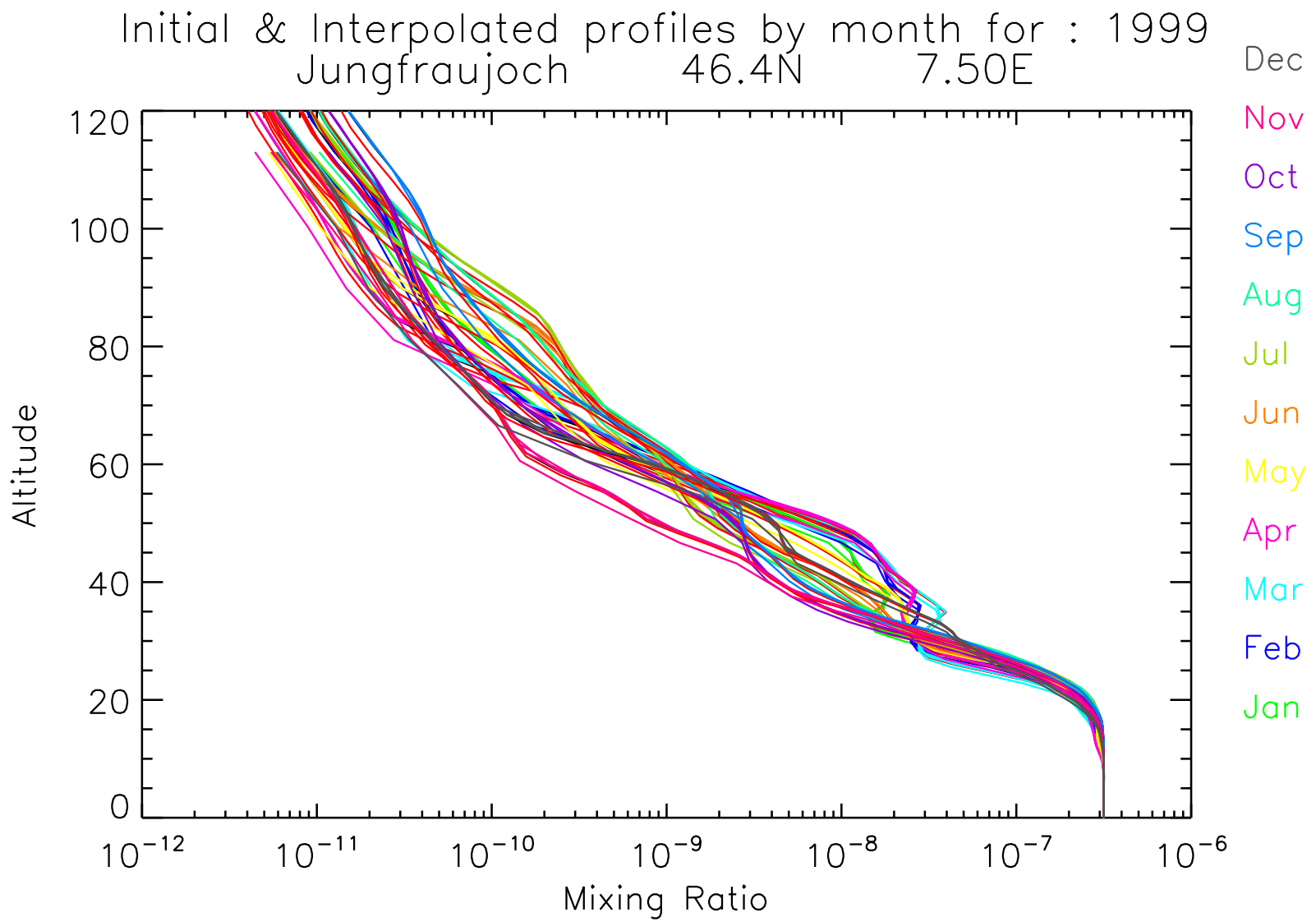
Initial & Interpolated profiles by month for : 1999
Jungfraujoch 46.4N 7.50E
Altitude
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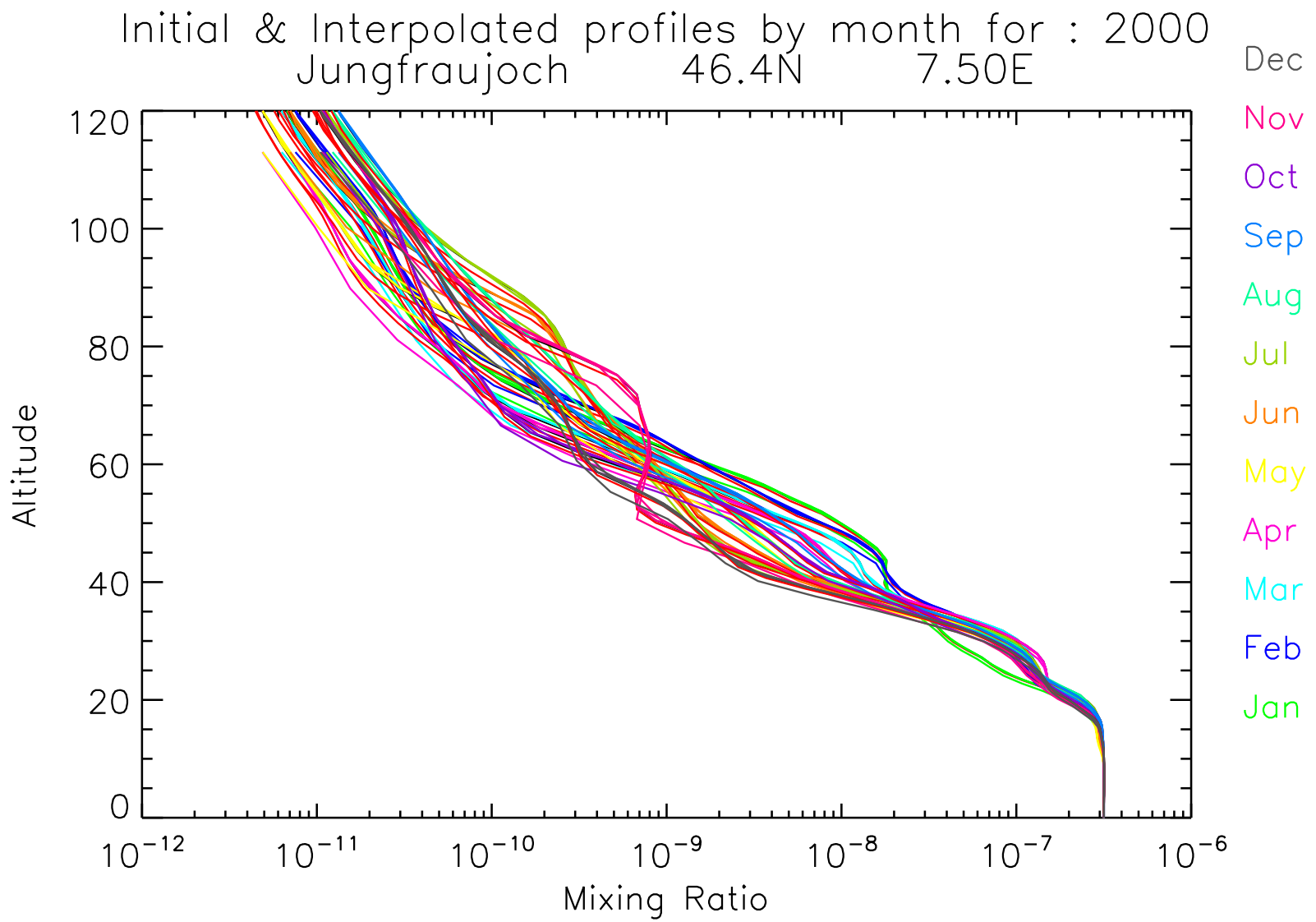
Initial & Interpolated profiles by month for : 2000
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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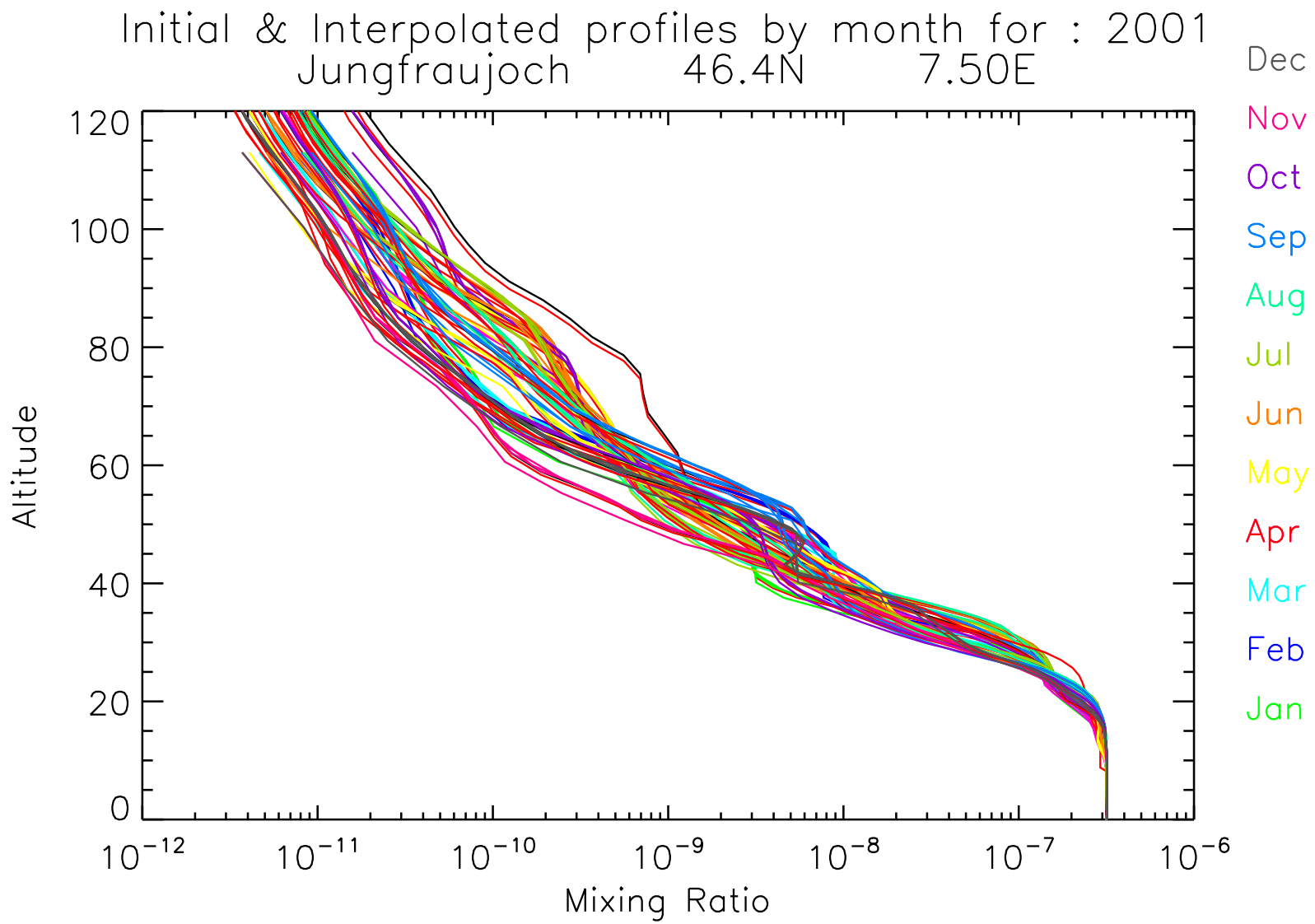
Initial & Interpolated profiles by month for : 2001
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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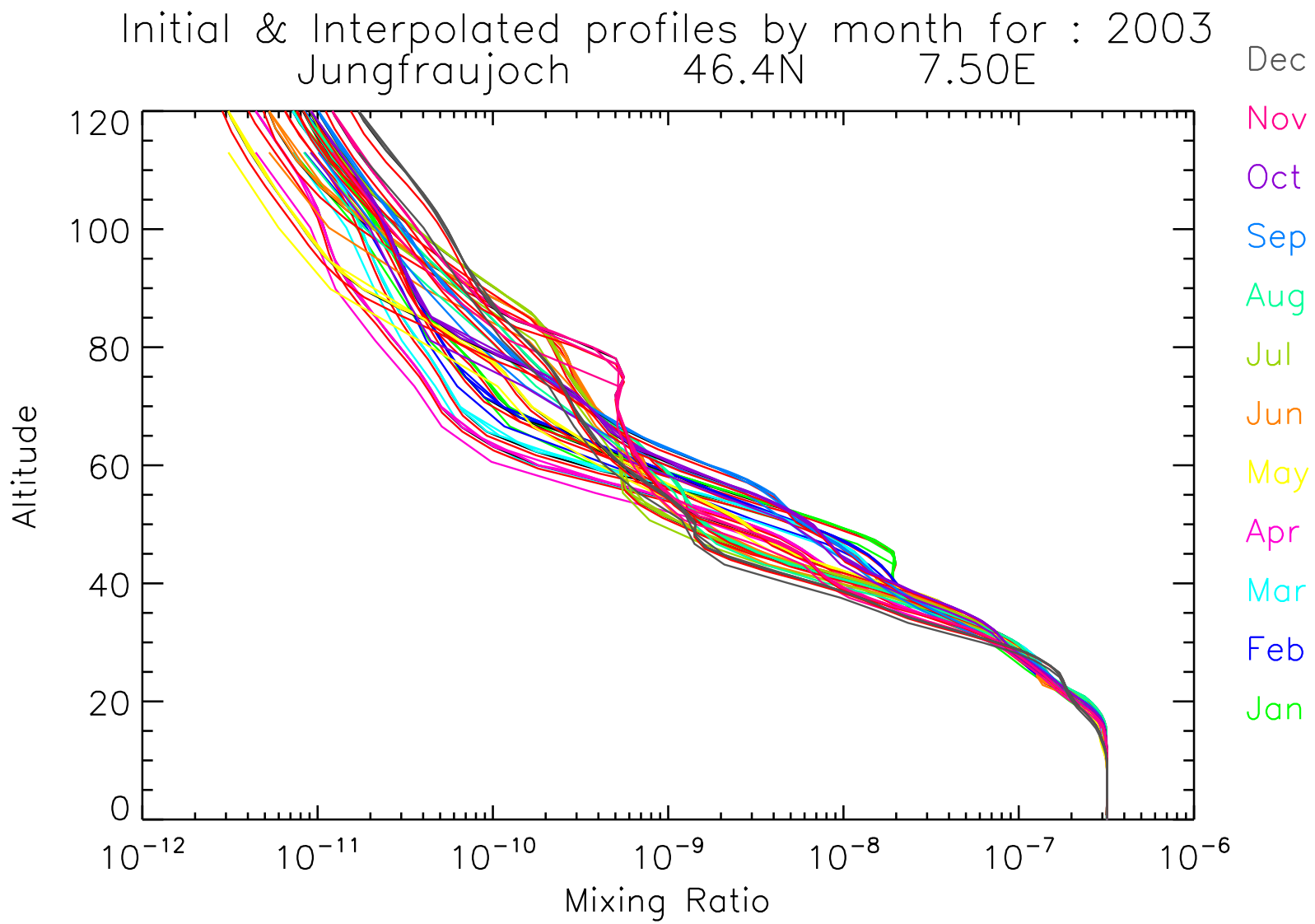
Initial & Interpolated profiles by month for : 2003
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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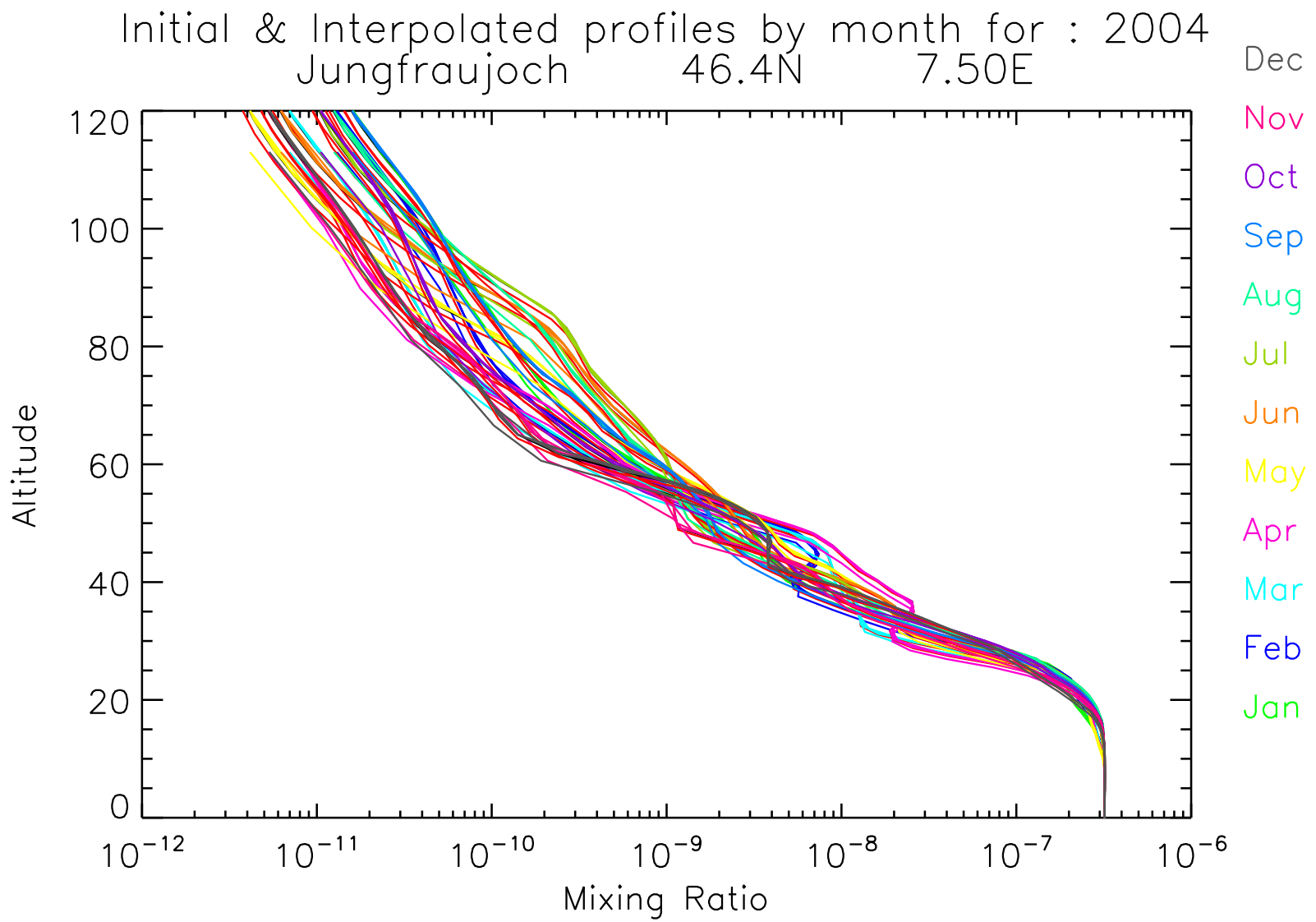
Initial & Interpolated profiles by month for : 2004
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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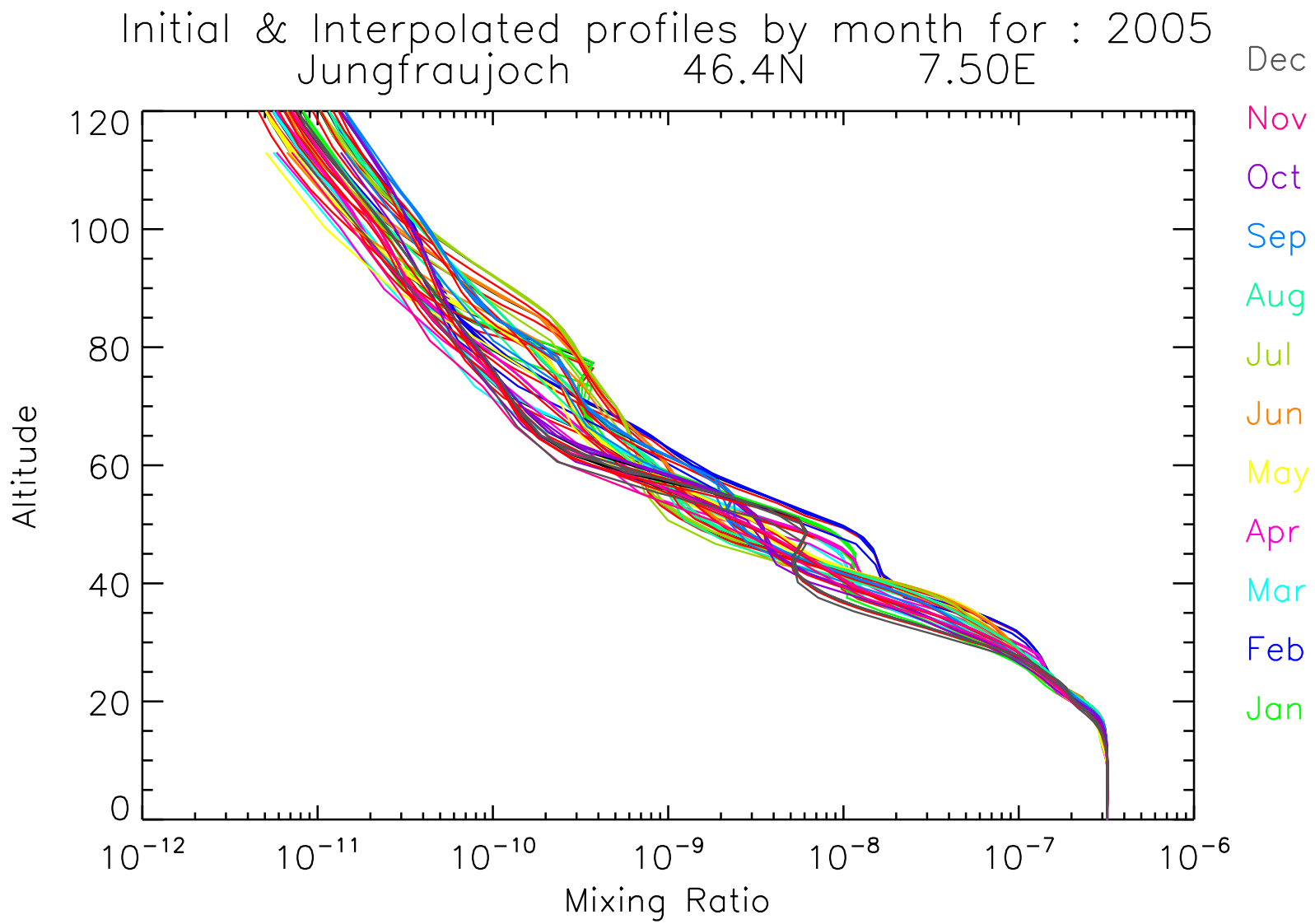
Initial & Interpolated profiles by month for : 2005
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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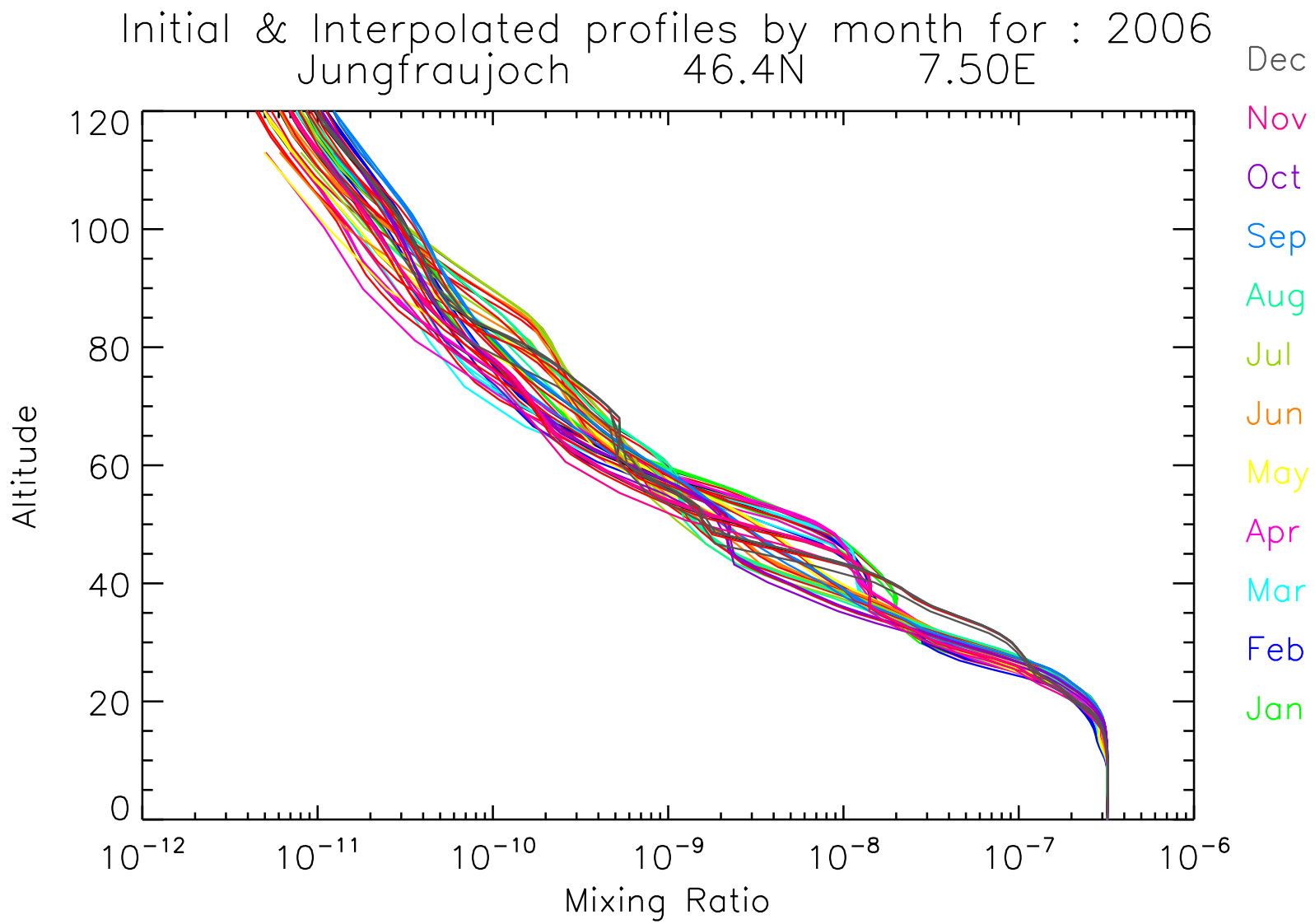
Initial & Interpolated profiles by month for : 2006
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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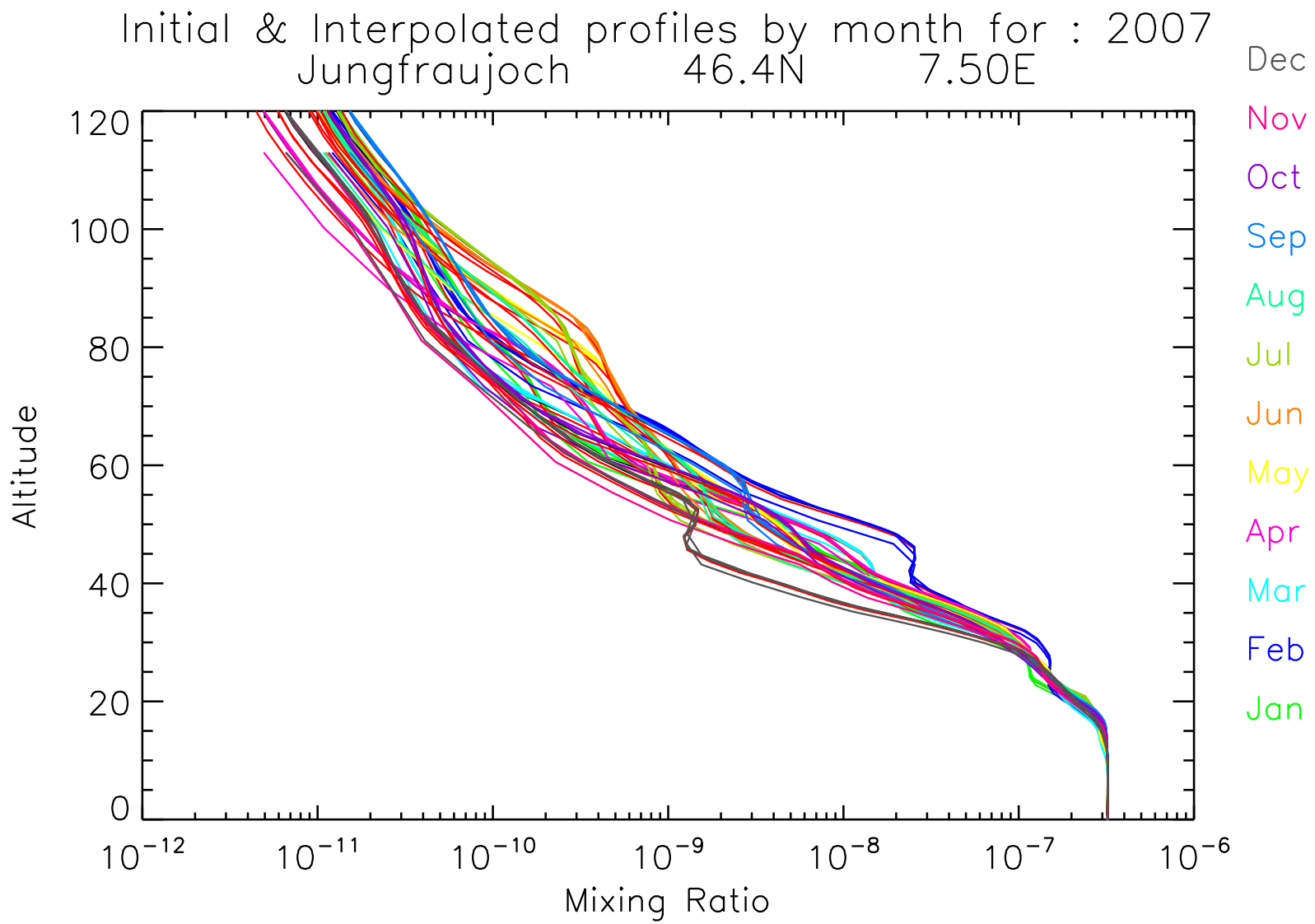
Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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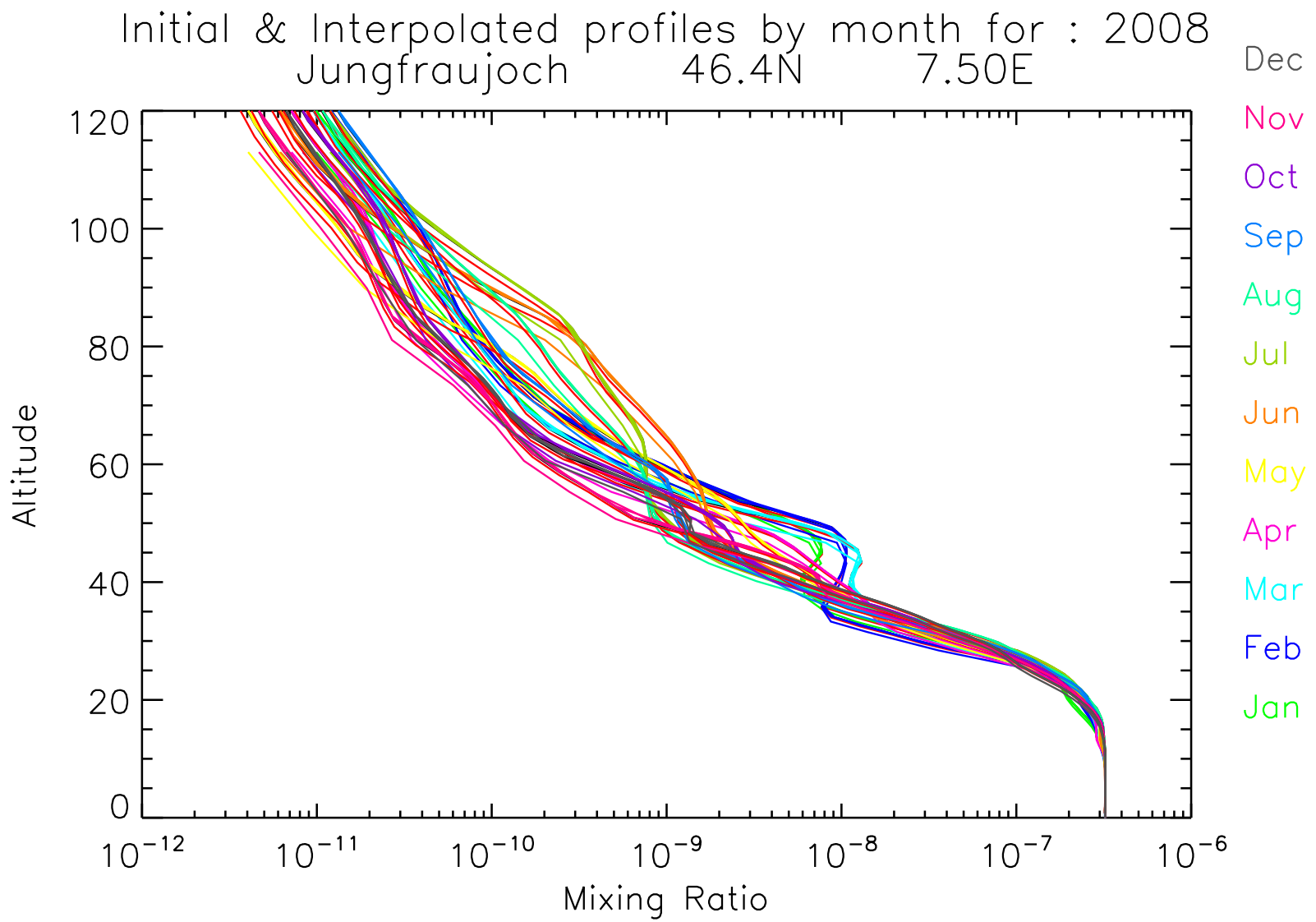
Initial & Interpolated profiles by month for : 2008
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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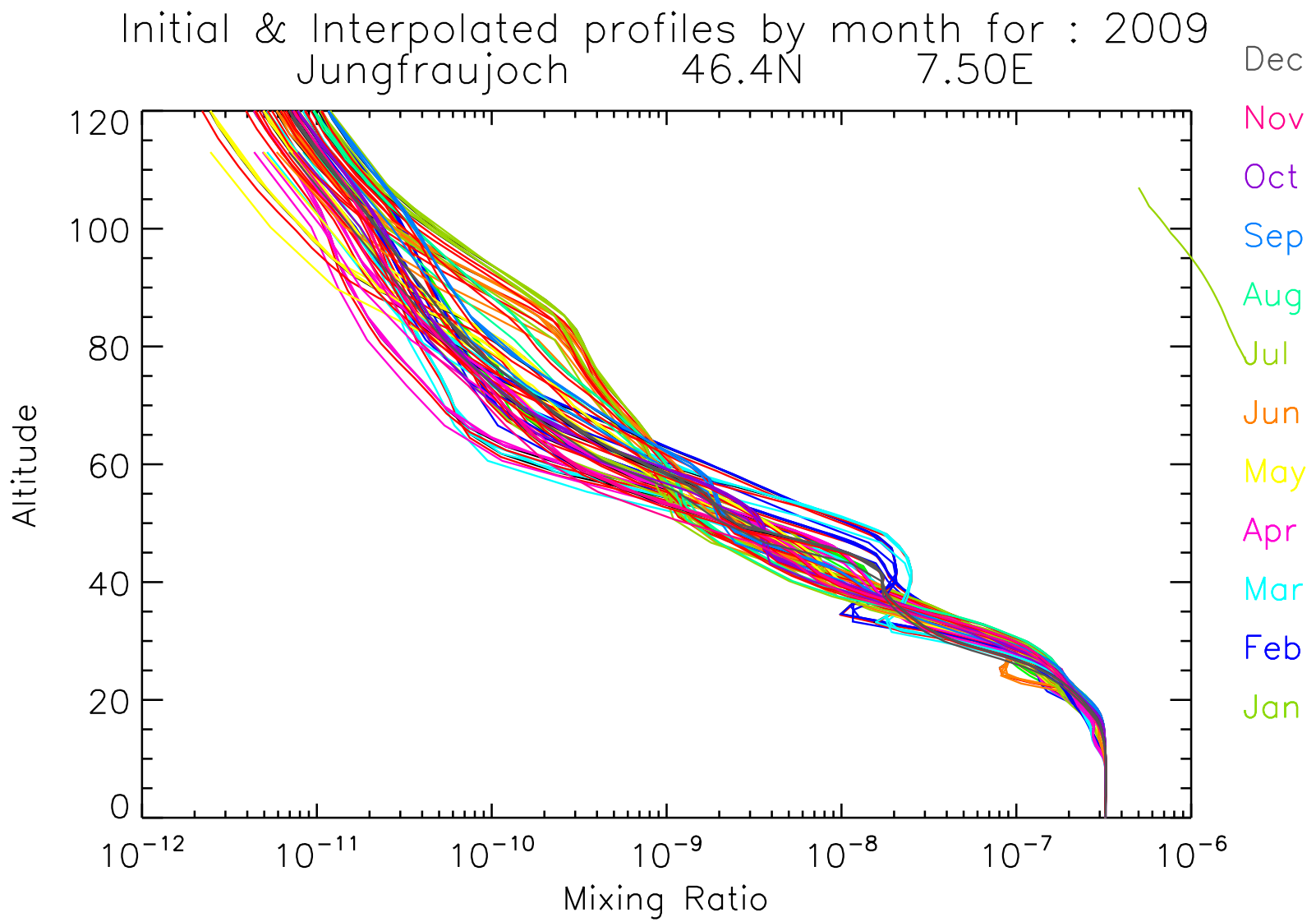
Initial & Interpolated profiles by month for : 2009
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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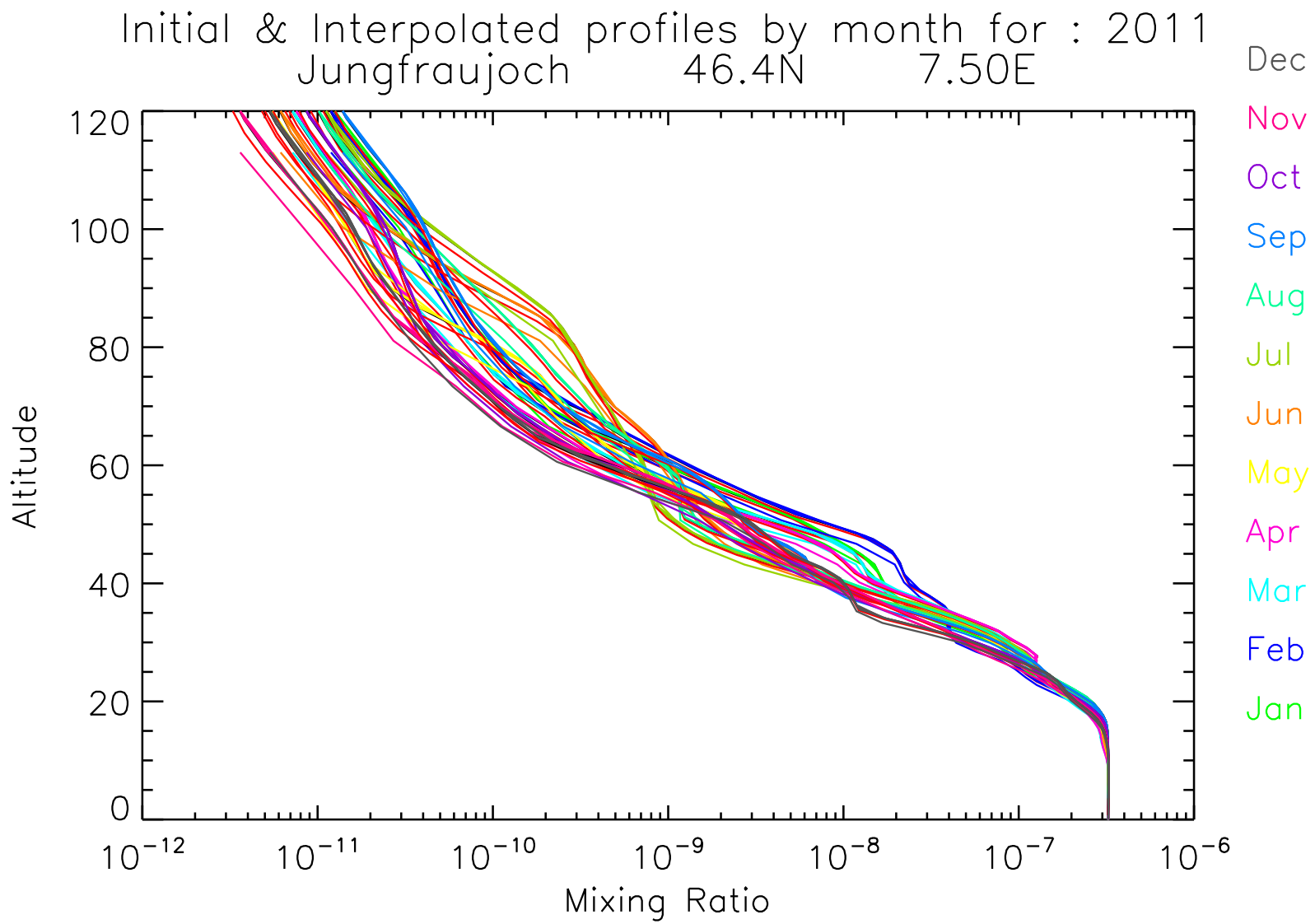
Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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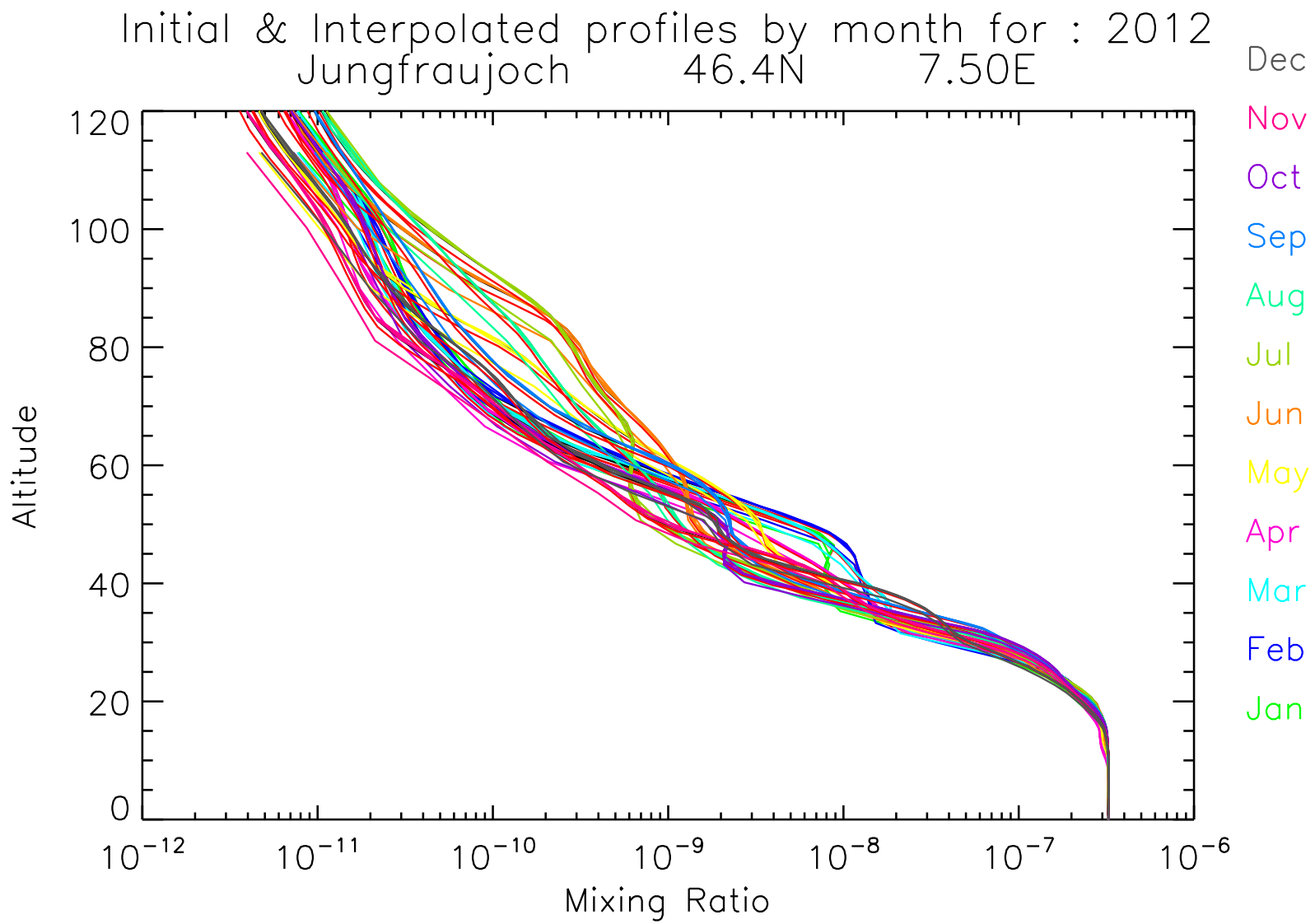
Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
Altitude
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Mixing Ratio
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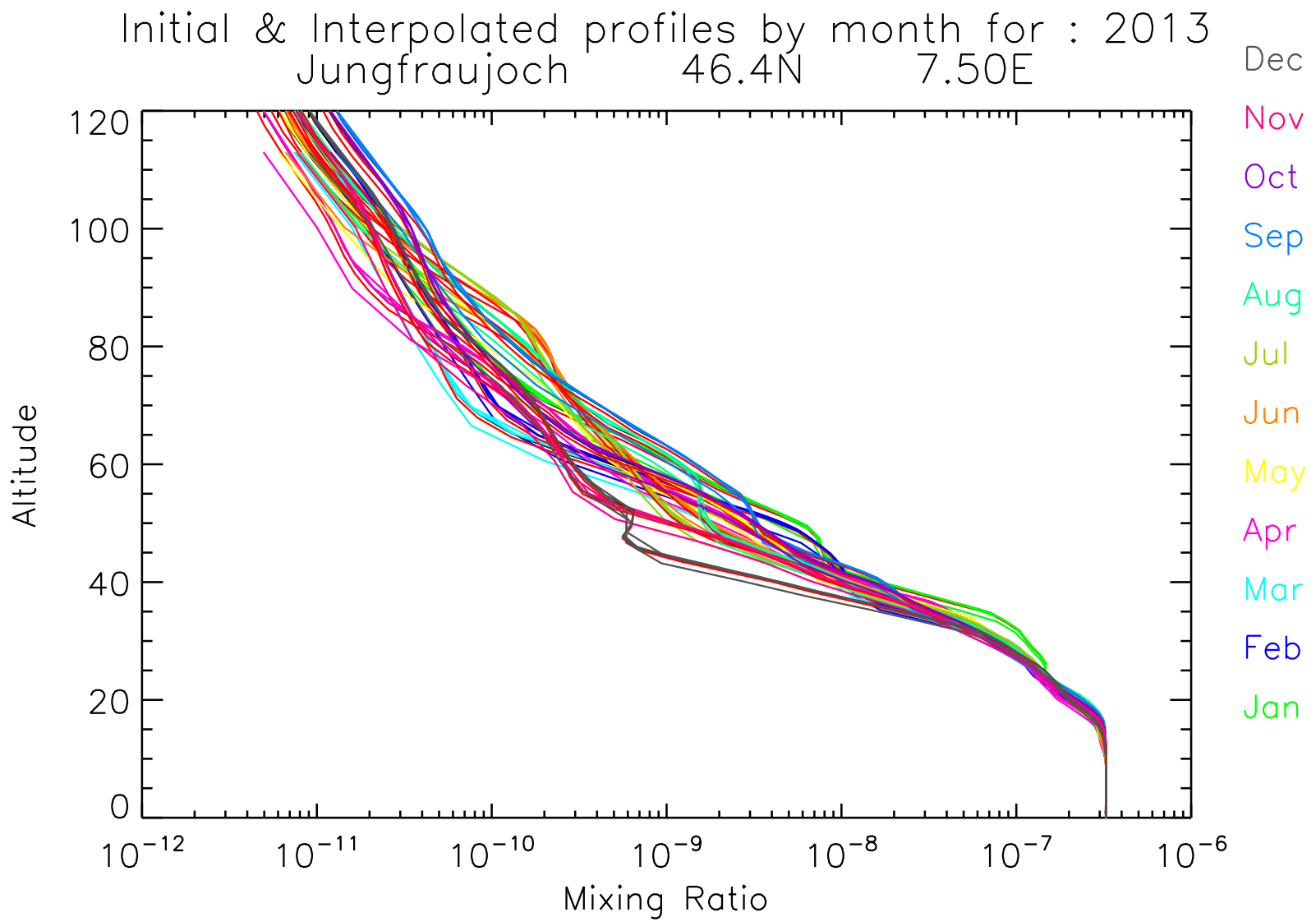
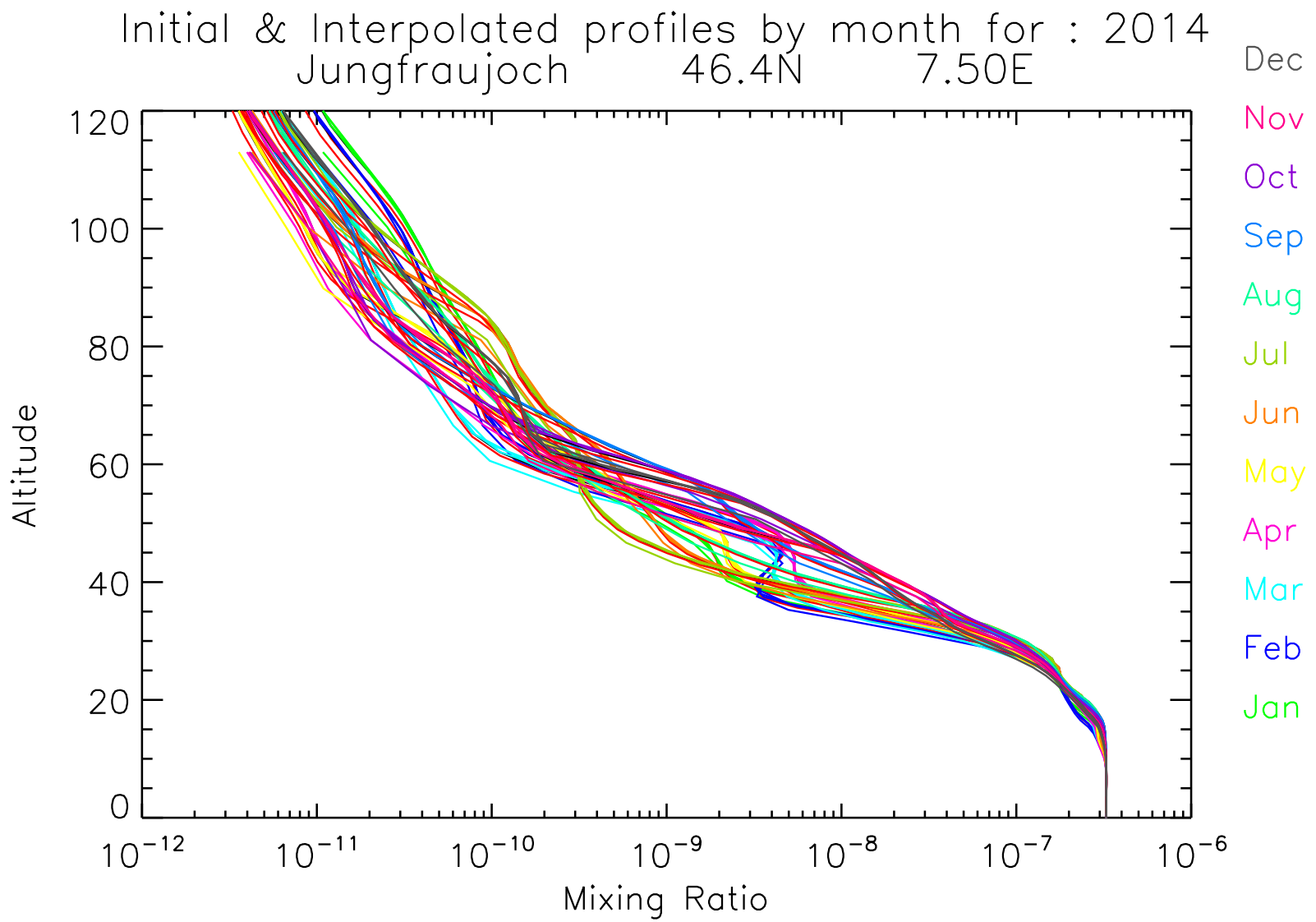
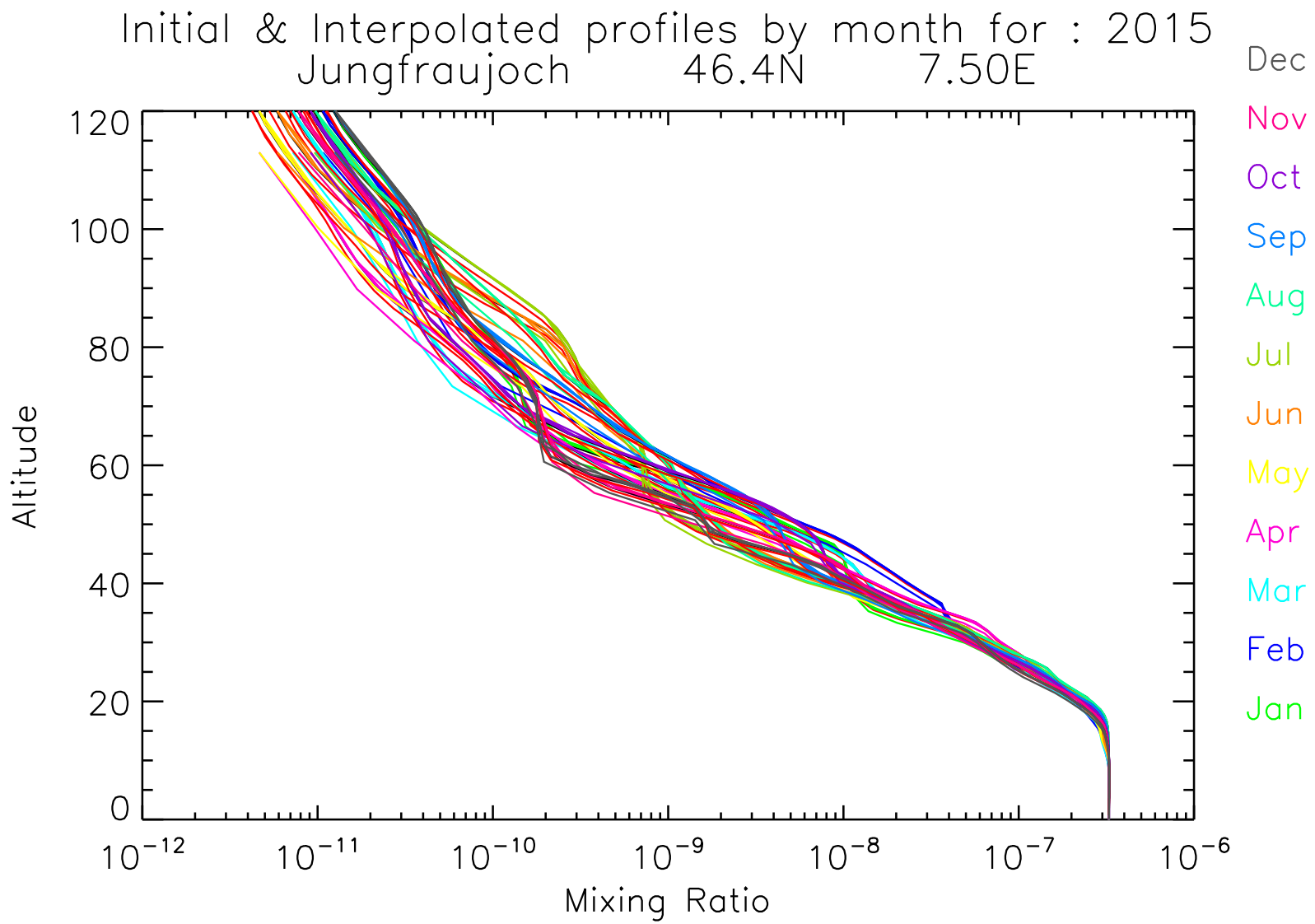
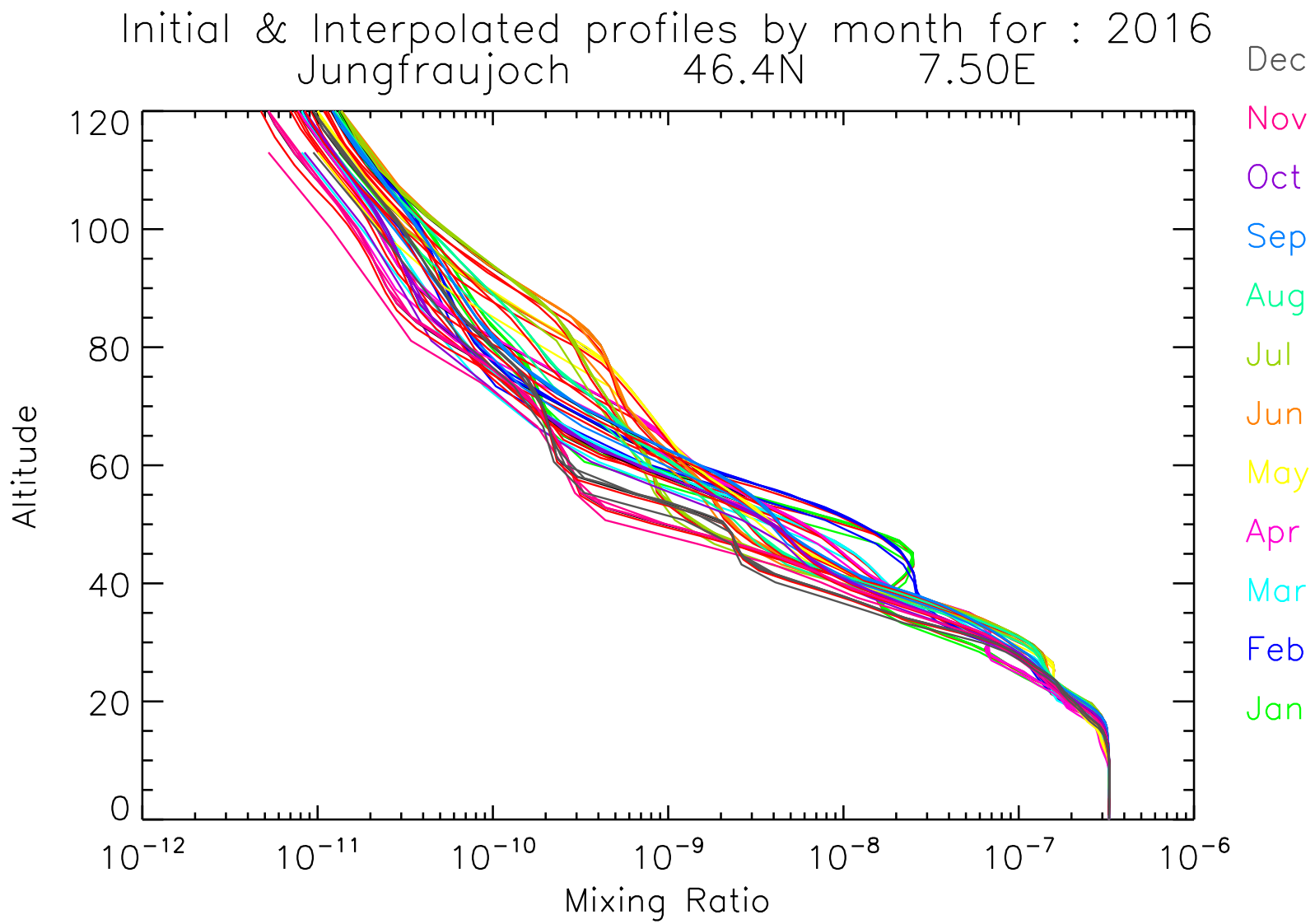
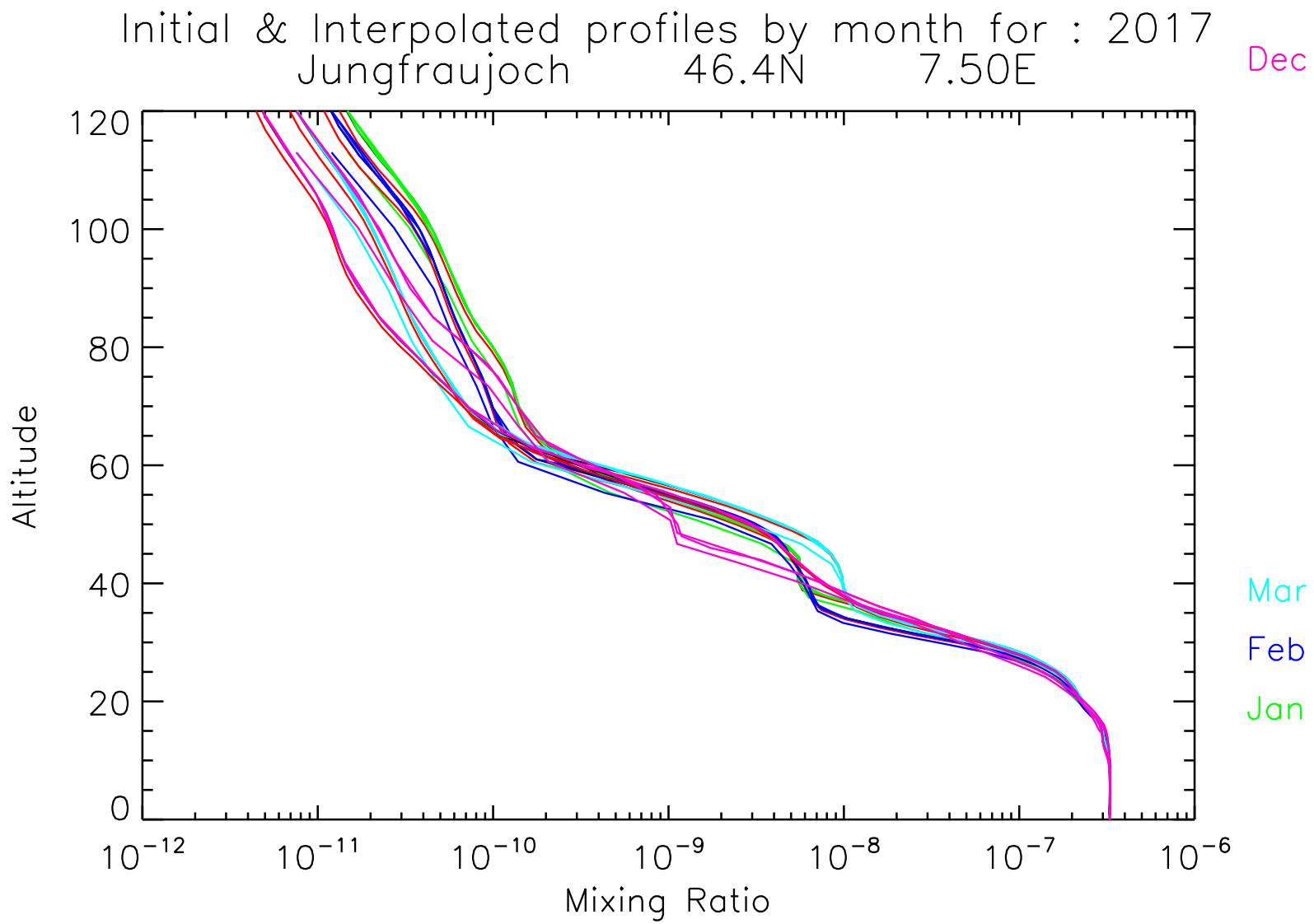
Feb
Jan

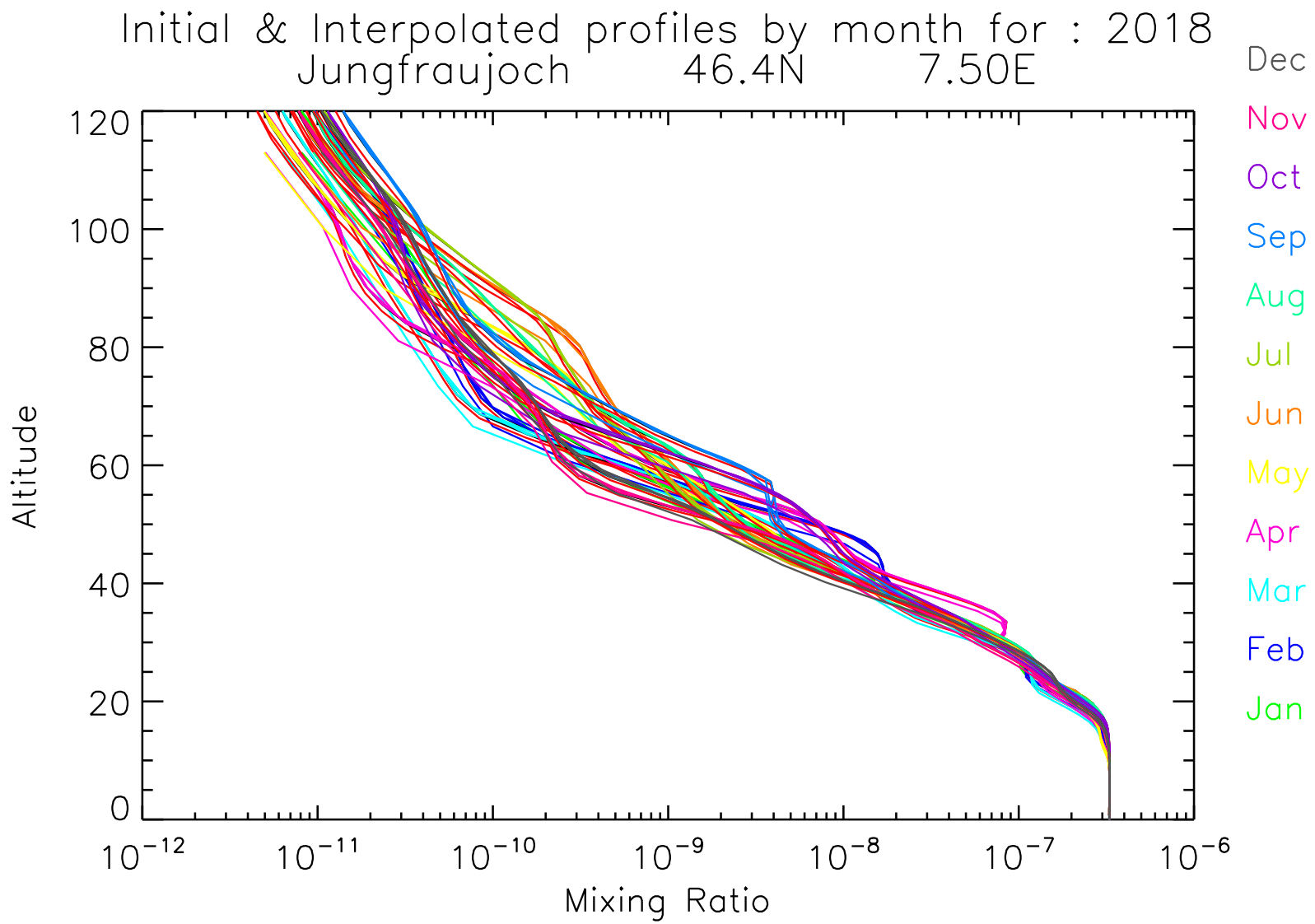

Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

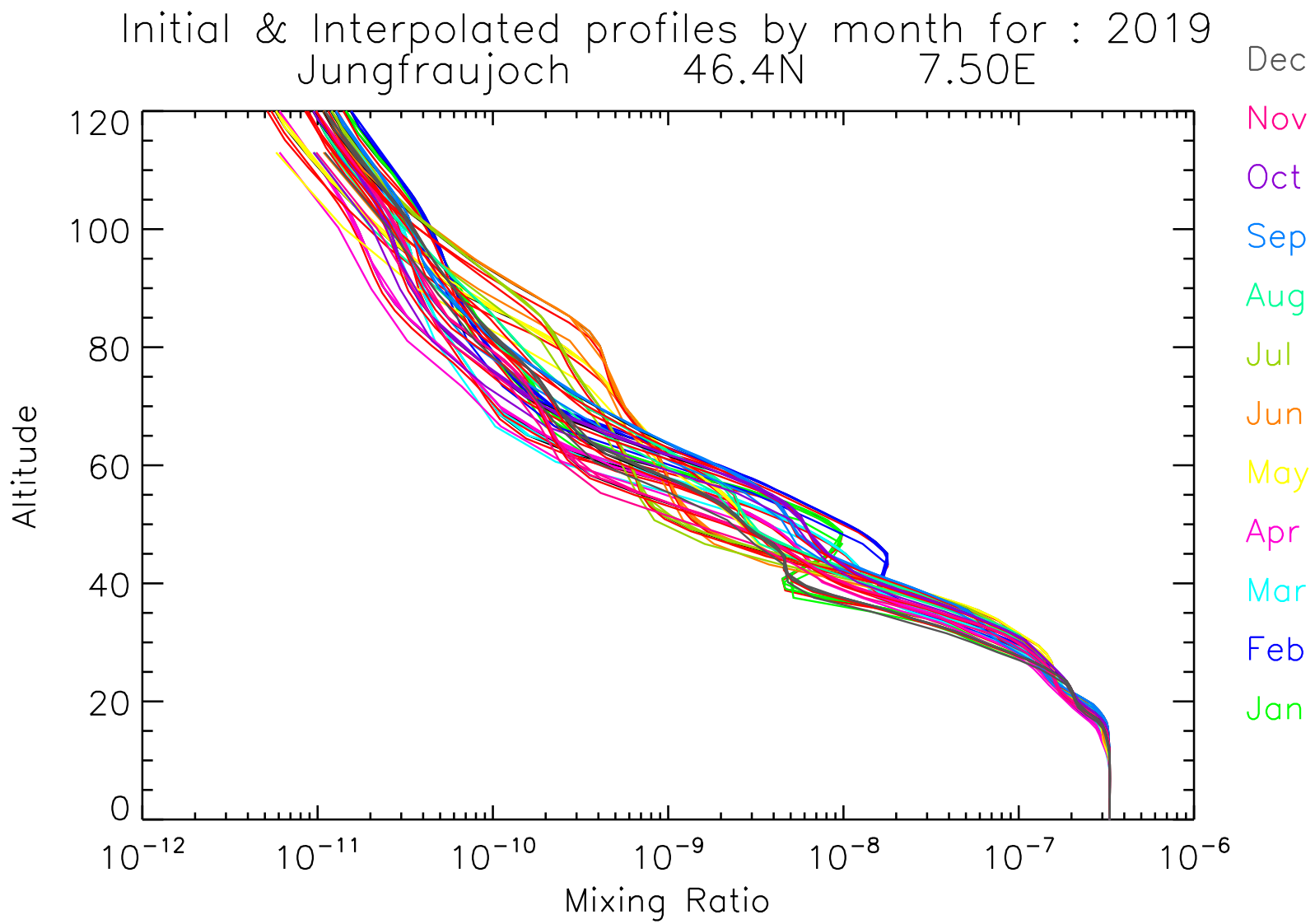

Initial & Interpolated profiles by month for : 2014
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

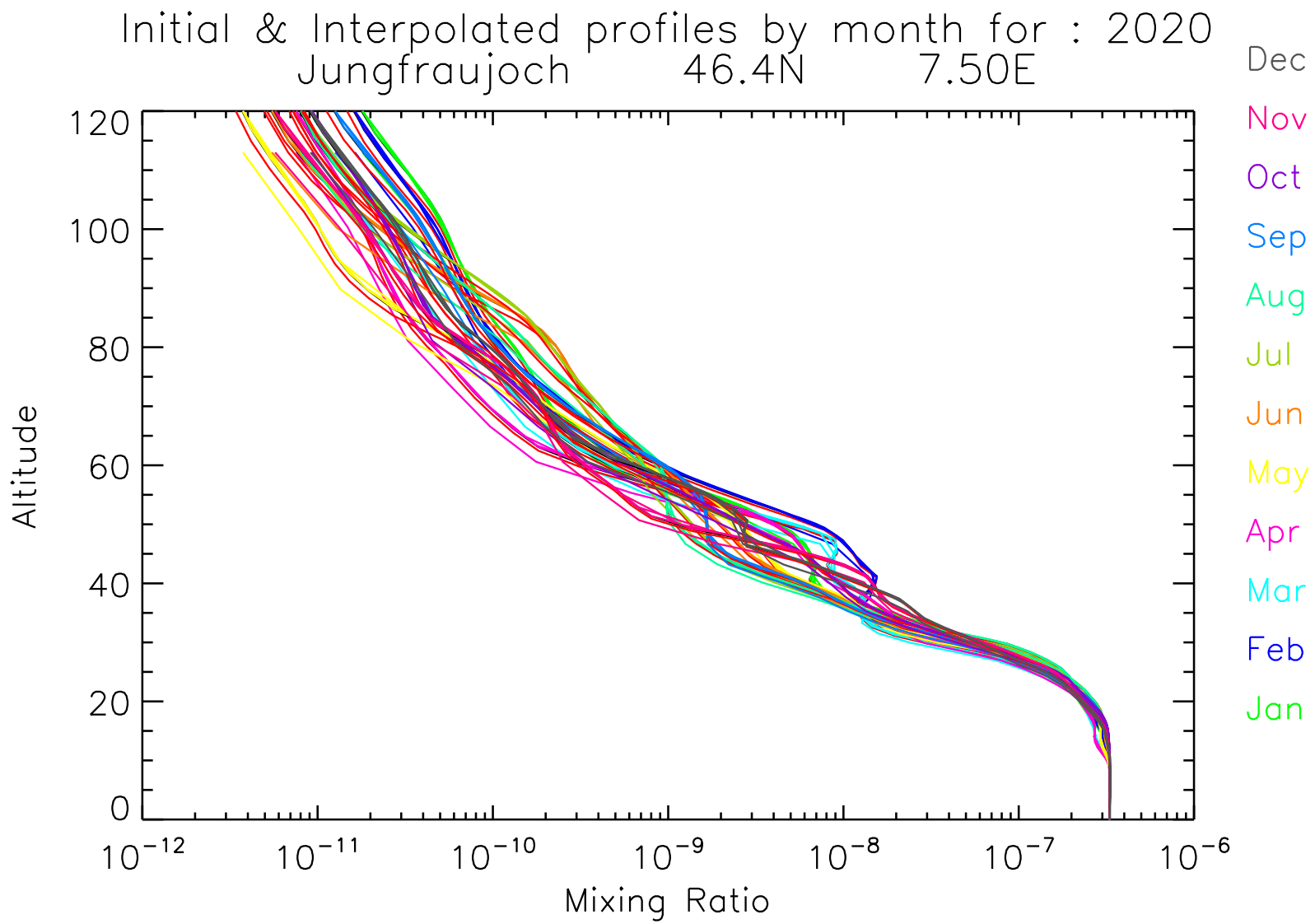

Initial & Interpolated profiles by month for : 2015
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

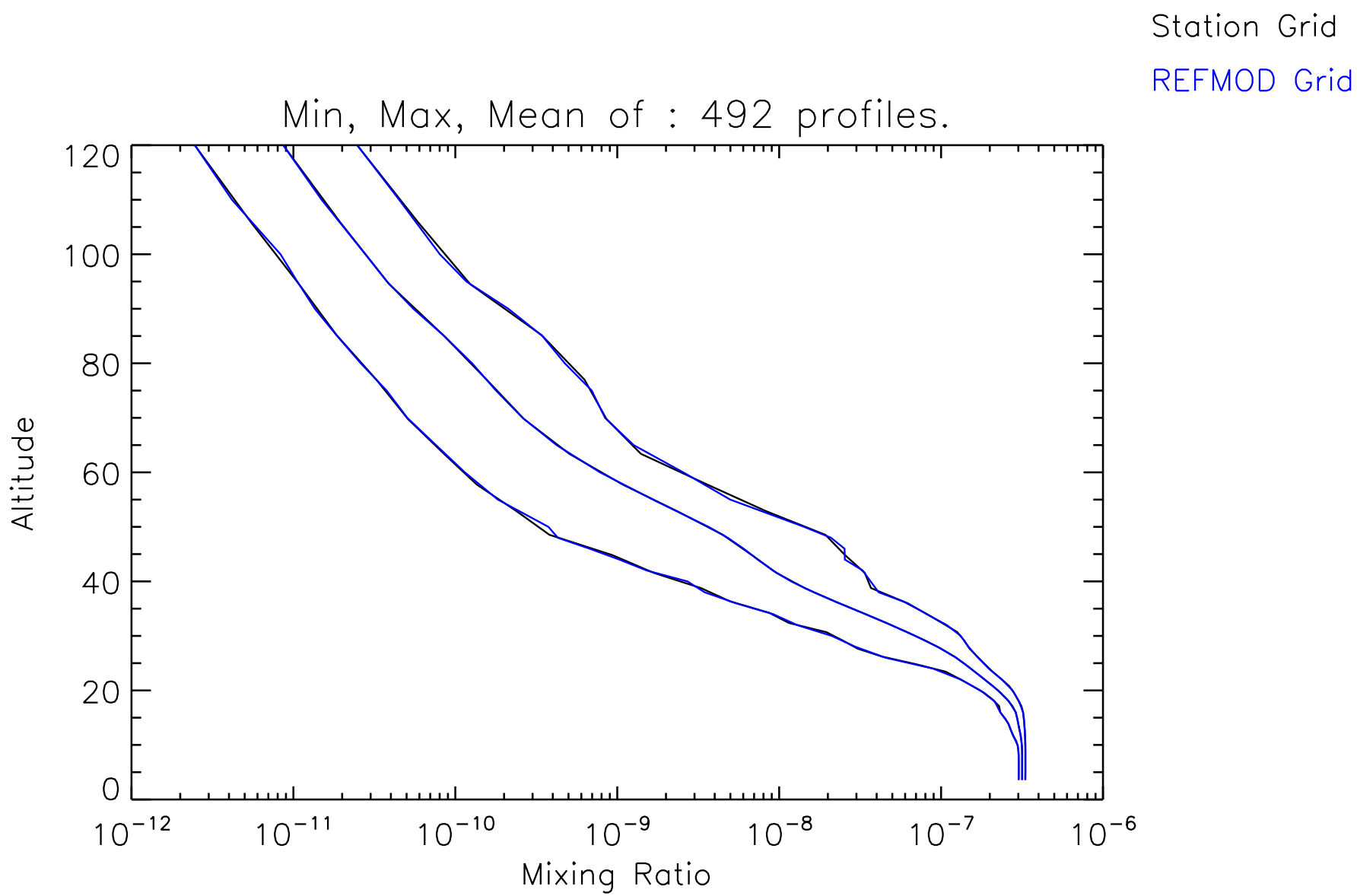

Initial & Interpolated profiles by month for : 2016
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

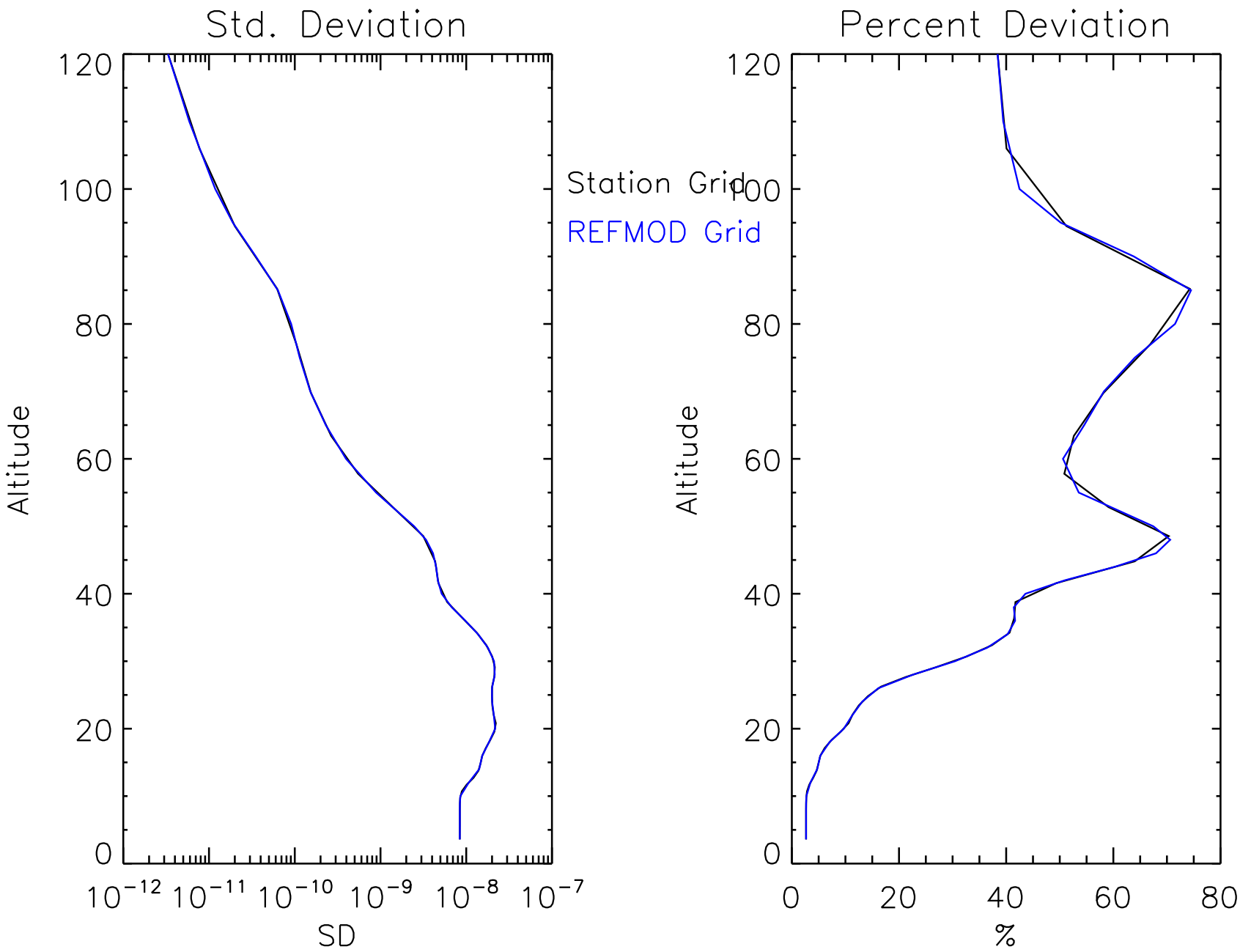

Initial & Interpolated profiles by month for : 2017
Jungfraujoch 46.4N 7.50E
Dec
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio

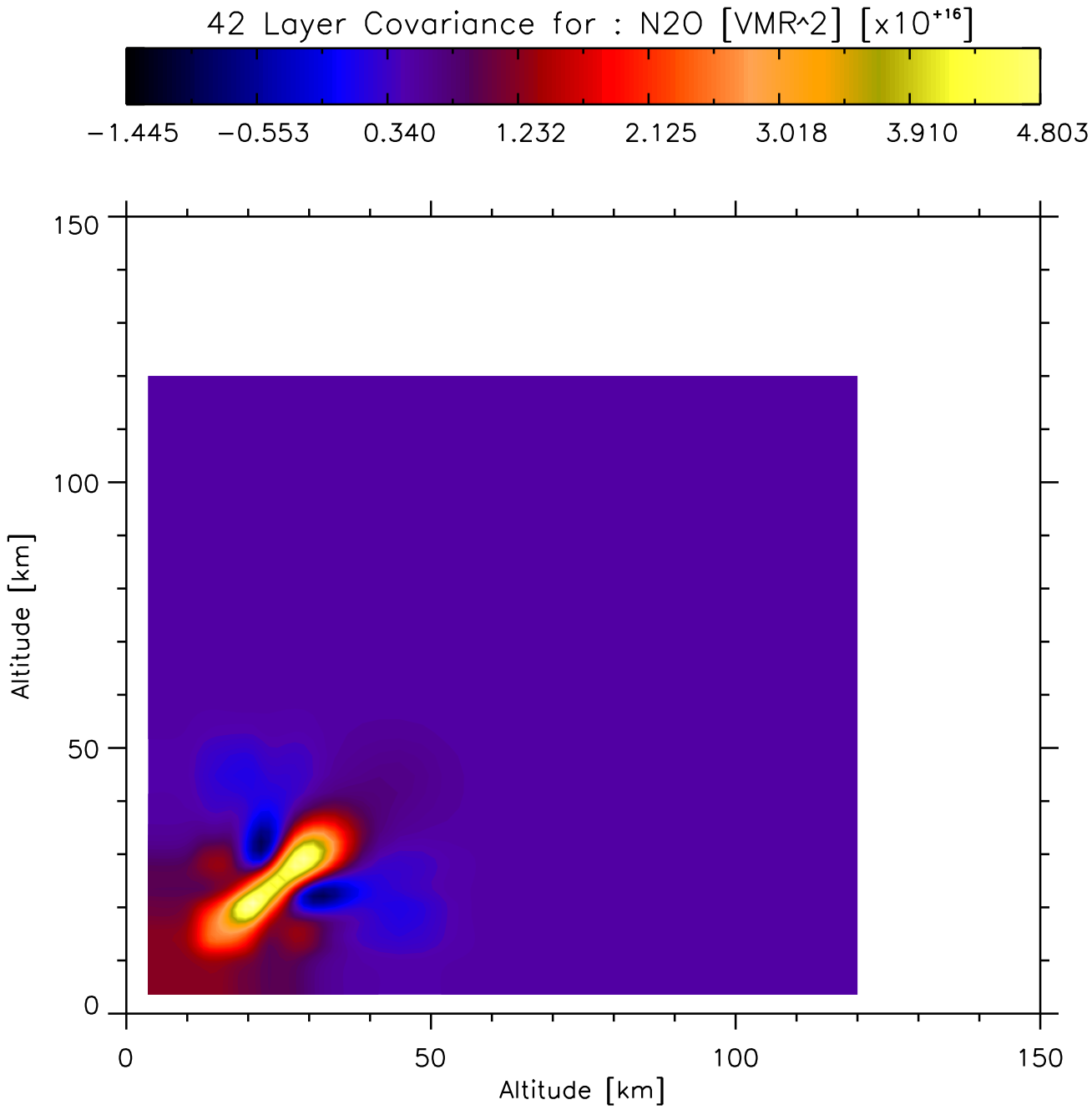

Initial & Interpolated profiles by month for : 2018
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

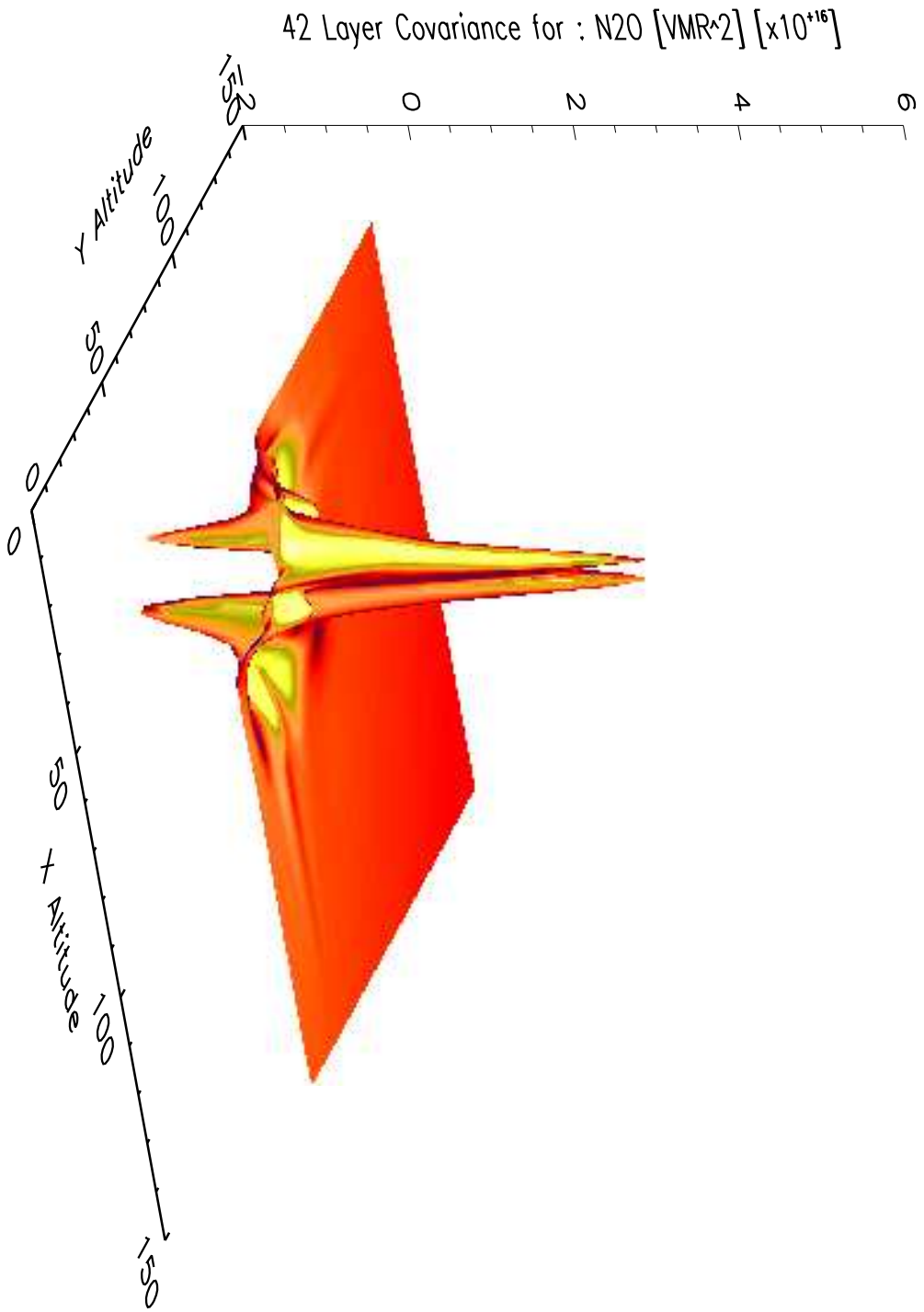

Initial & Interpolated profiles by month for : 2019
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

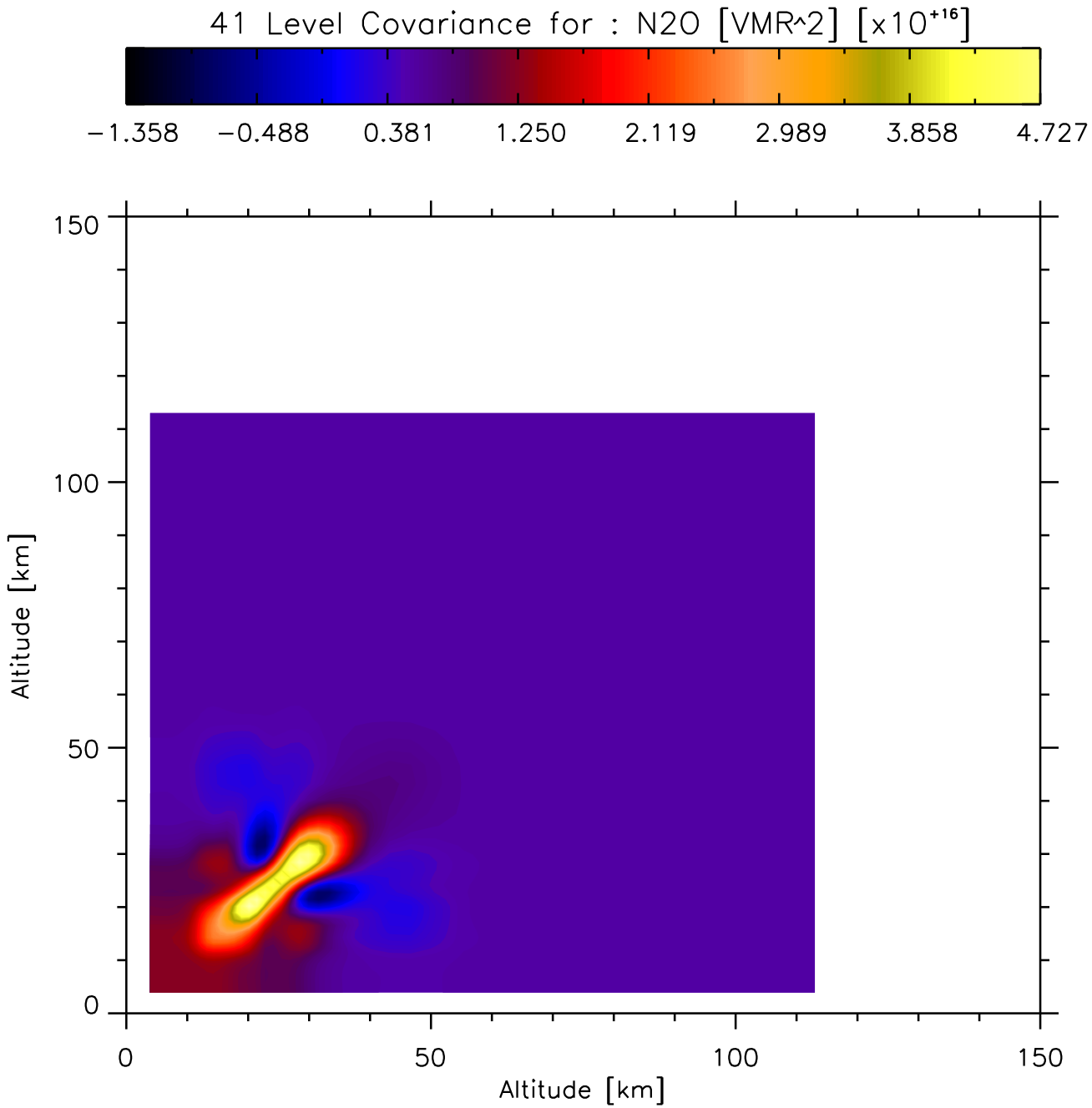

Initial & Interpolated profiles by month for : 2020
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

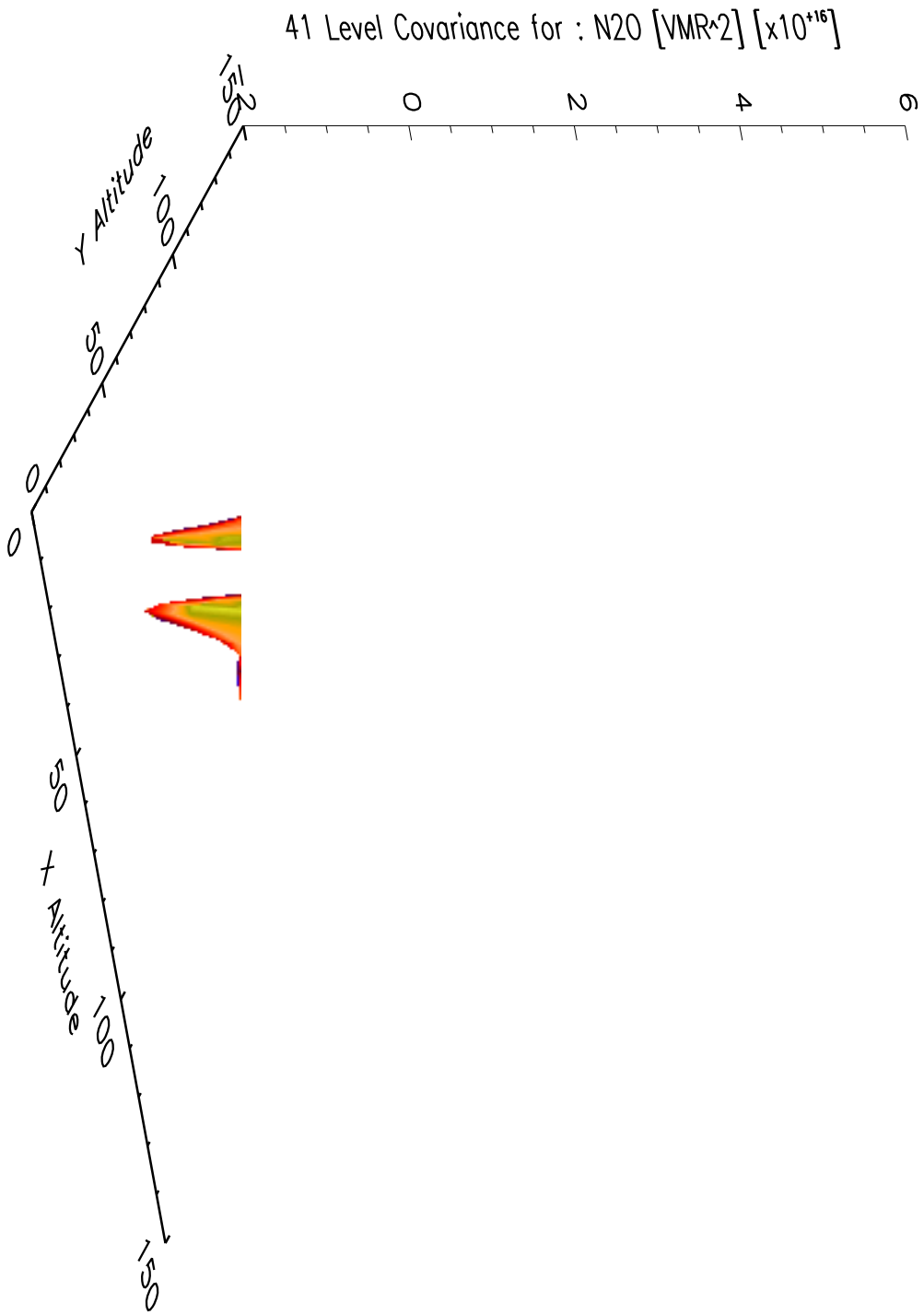

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7}
SD
0 20 40 60 80
%


42 Layer Covariance for : N2O [VMR^2] [x10^+16]
−1.445
−0.553
0.340
1.232
2.125
3.018
3.910
4.803
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


42 Layer Covariance for : N2O [VMR^2] [x10^+16]
0
2
4
6
Y Altitude
150
100
50
0
0
50
100
150
X Altitude


41 Level Covariance for : N2O [VMR^2] [x10^+16]
−1.358
−0.488
0.381
1.250
2.119
2.989
3.858
4.727
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


41 Level Covariance for : N2O [VMR^2] [x10^+16]
0
2
4
6
Y Altitude
150
100
50
0
0
50
100
150
X Altitude