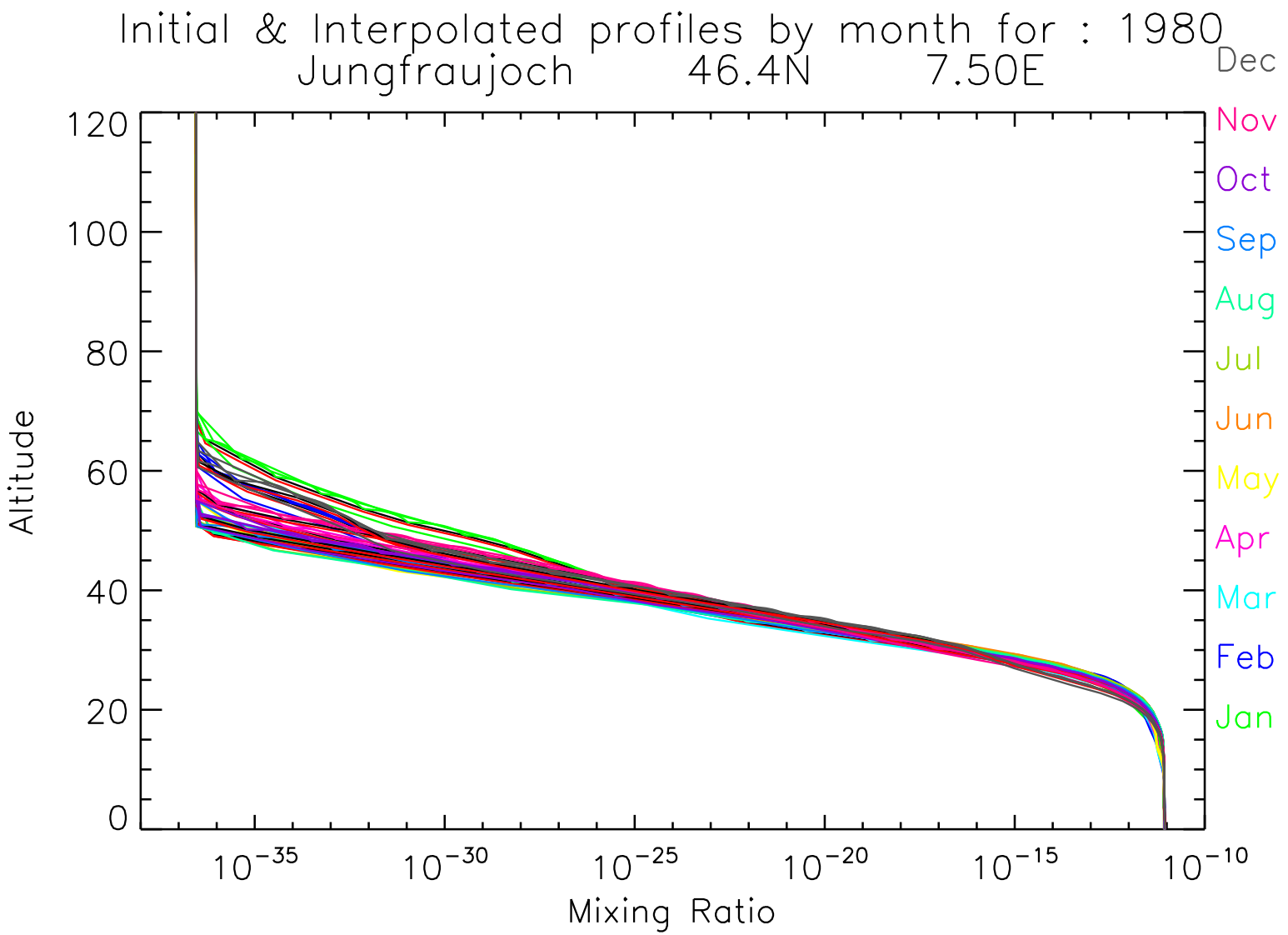
Initial & Interpolated profiles by month for : 1980
Jungfraujoch 46.4N 7.50E
Dec
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120
100
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0
Altitude
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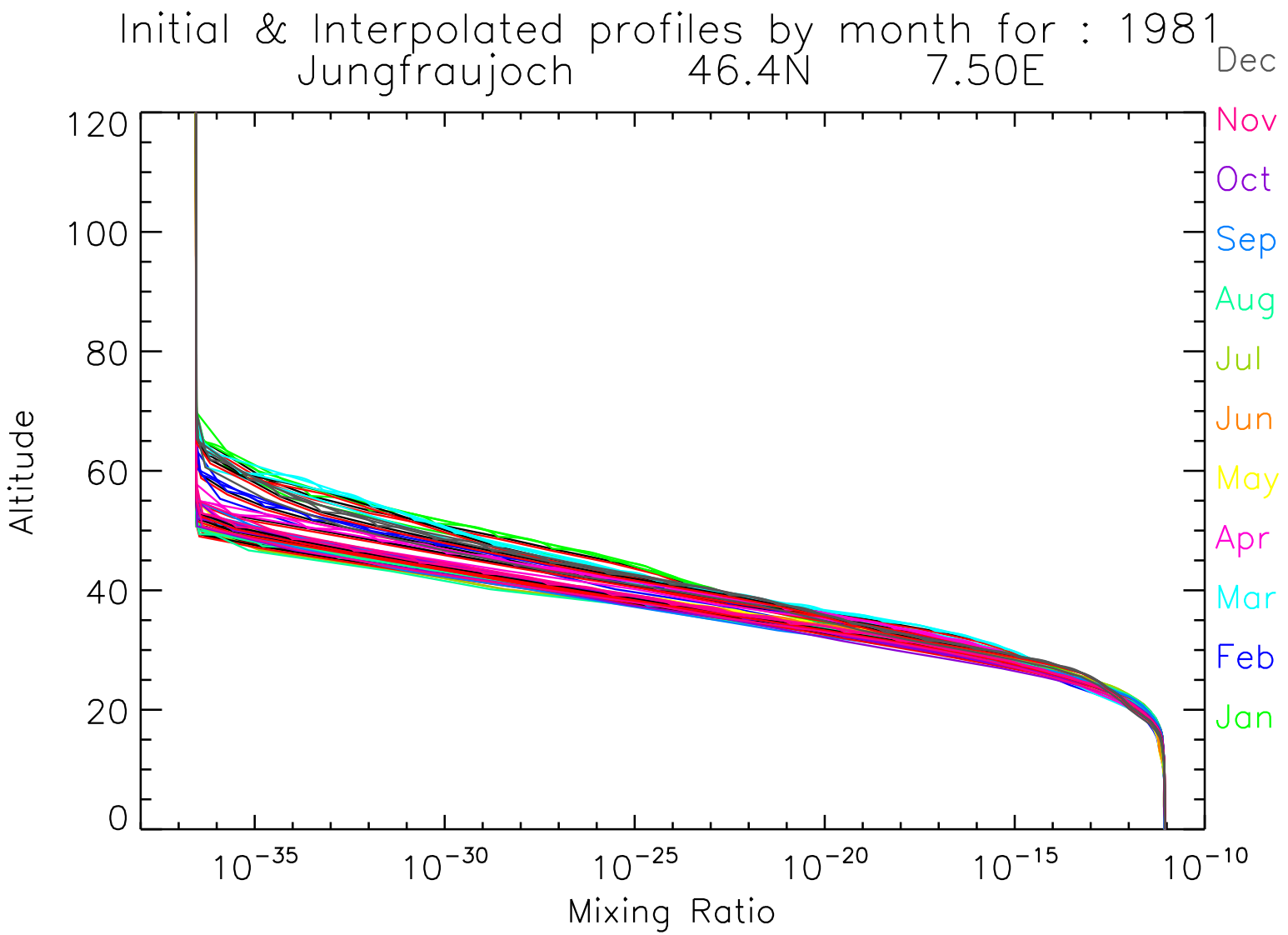
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Jungfraujoch 46.4N 7.50E
Dec
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Feb
Jan
120
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0
Altitude
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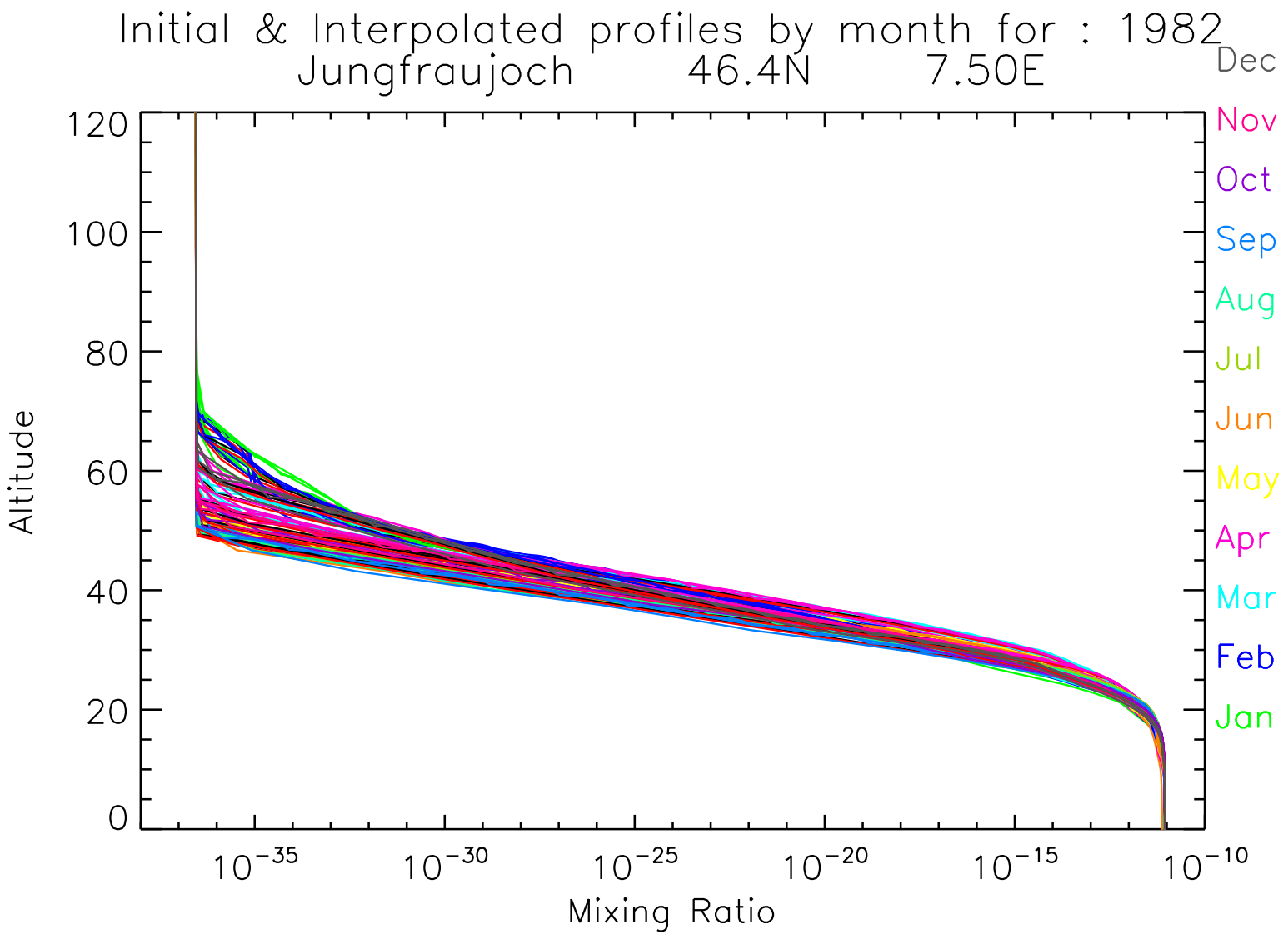
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Jungfraujoch 46.4N 7.50E
Dec
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Feb
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Altitude
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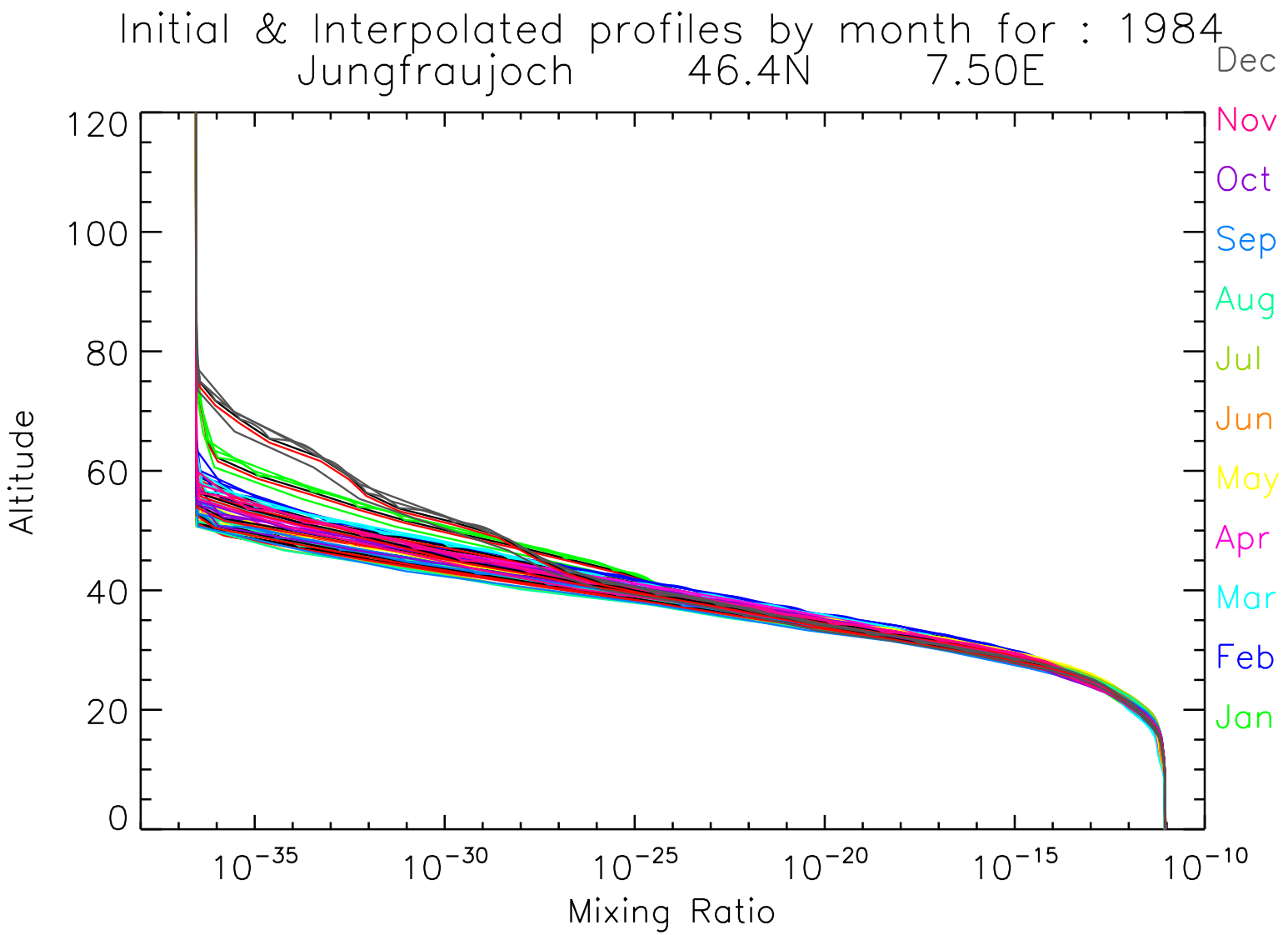
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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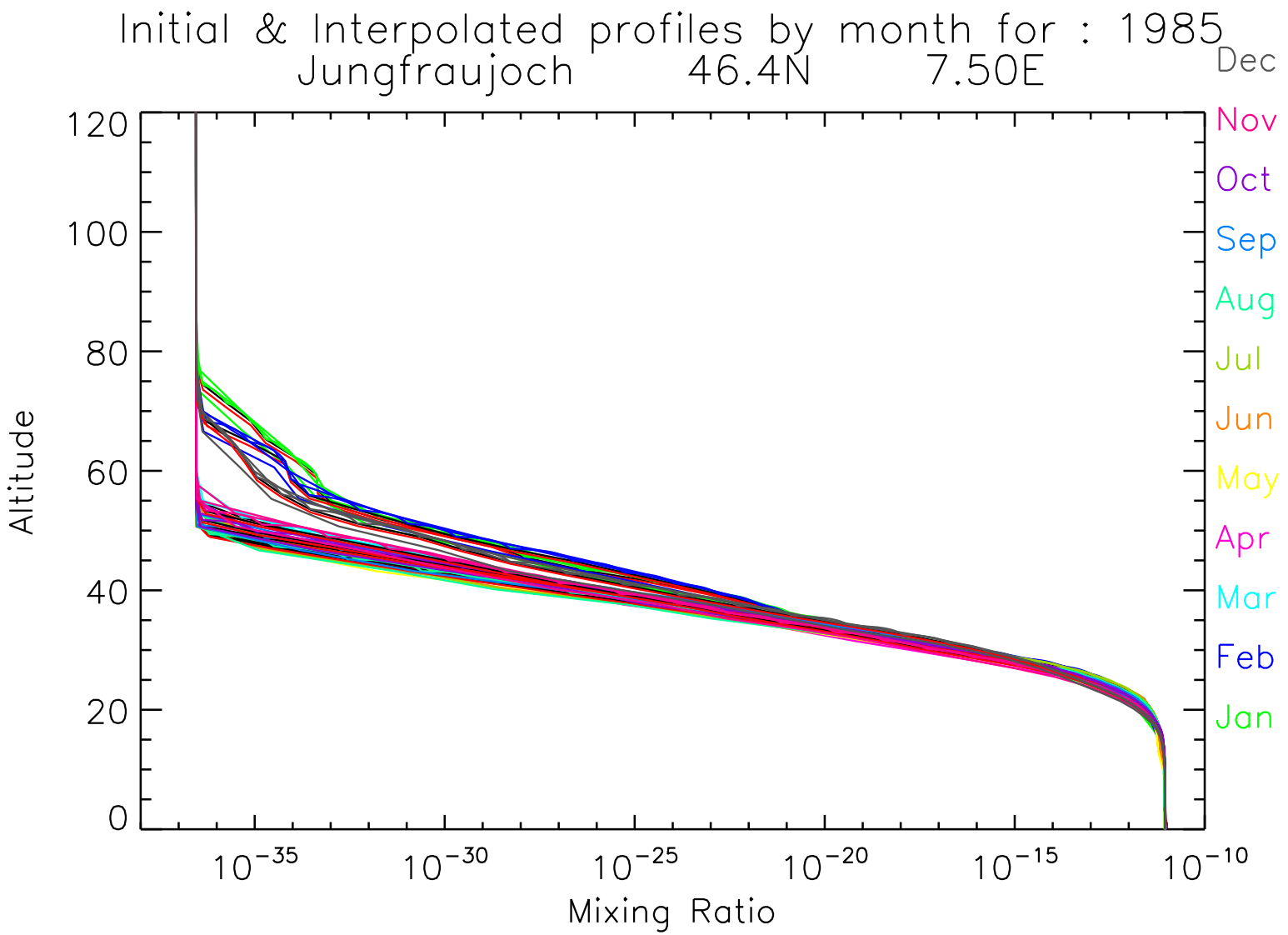
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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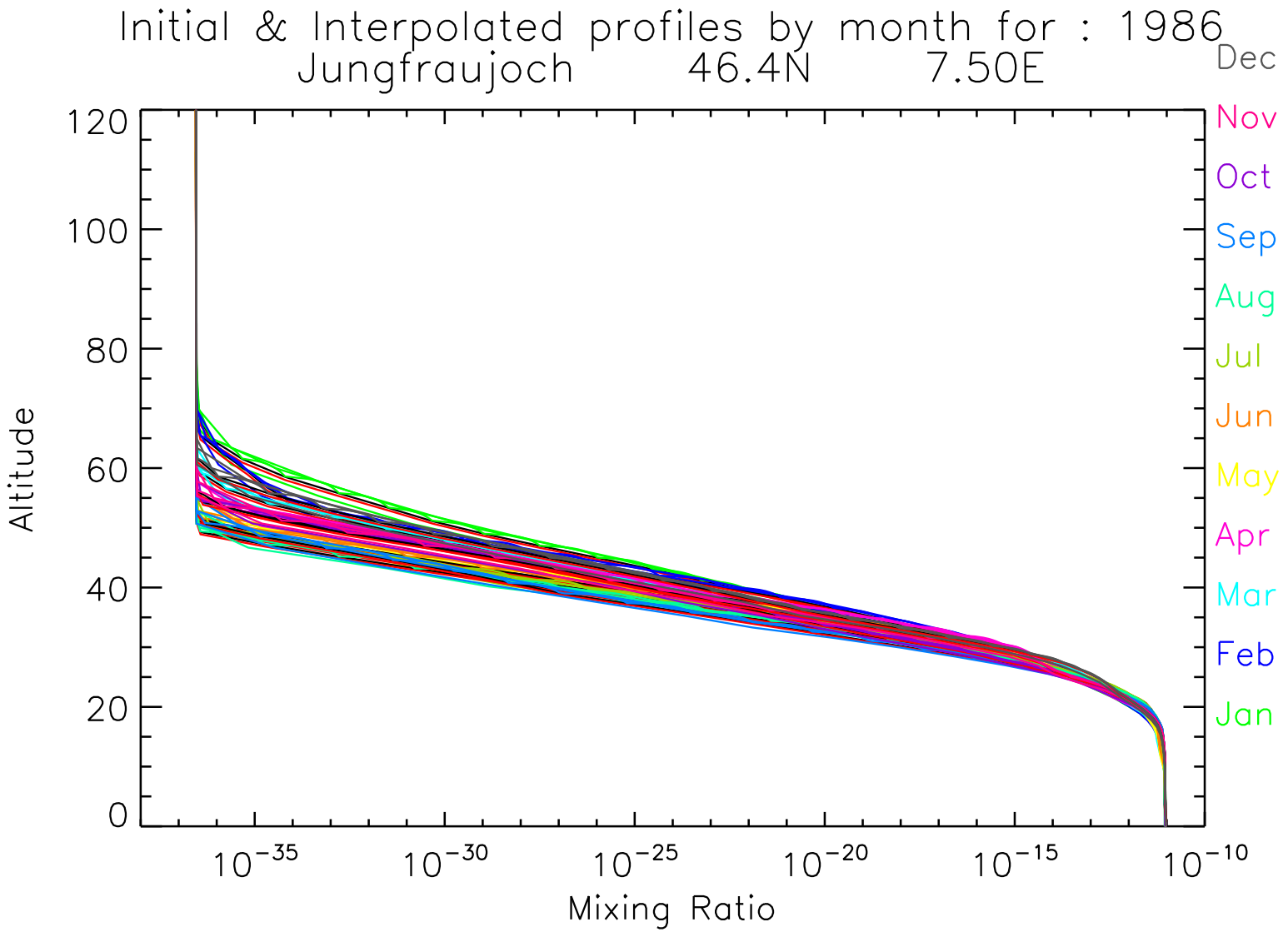
Mixing Ratio


Initial & Interpolated profiles by month for : 1986
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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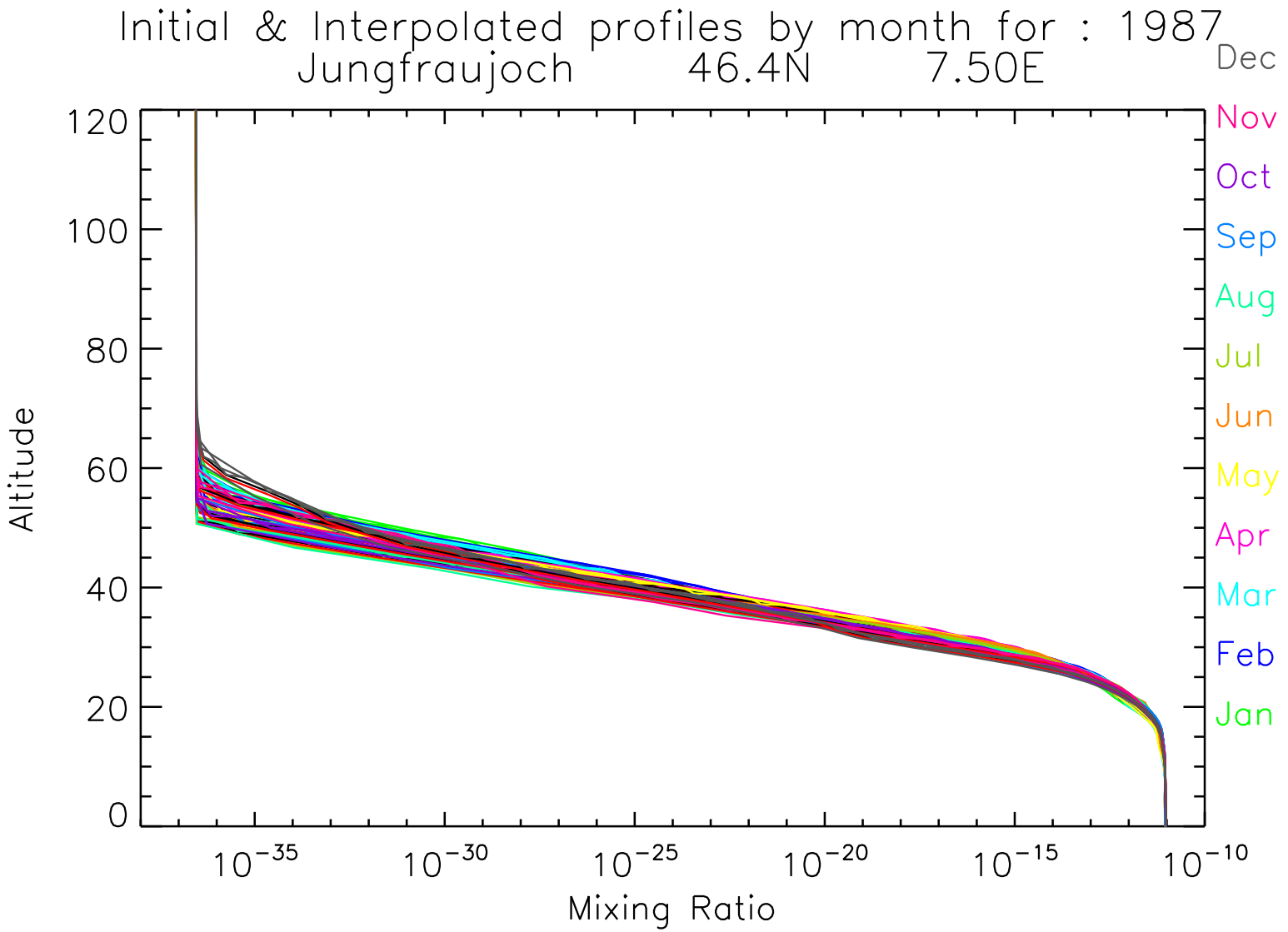
Mixing Ratio


Initial & Interpolated profiles by month for : 1987
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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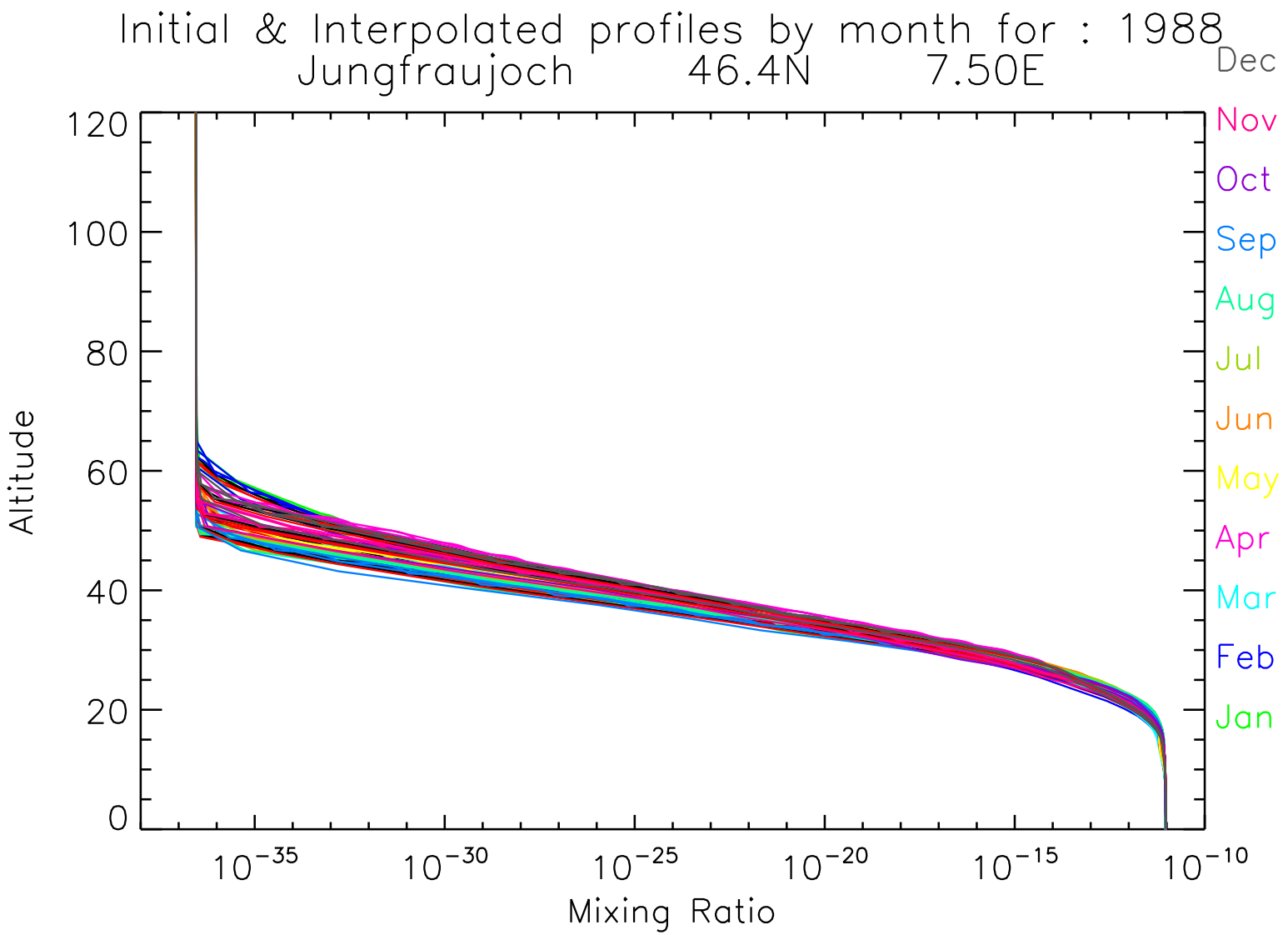
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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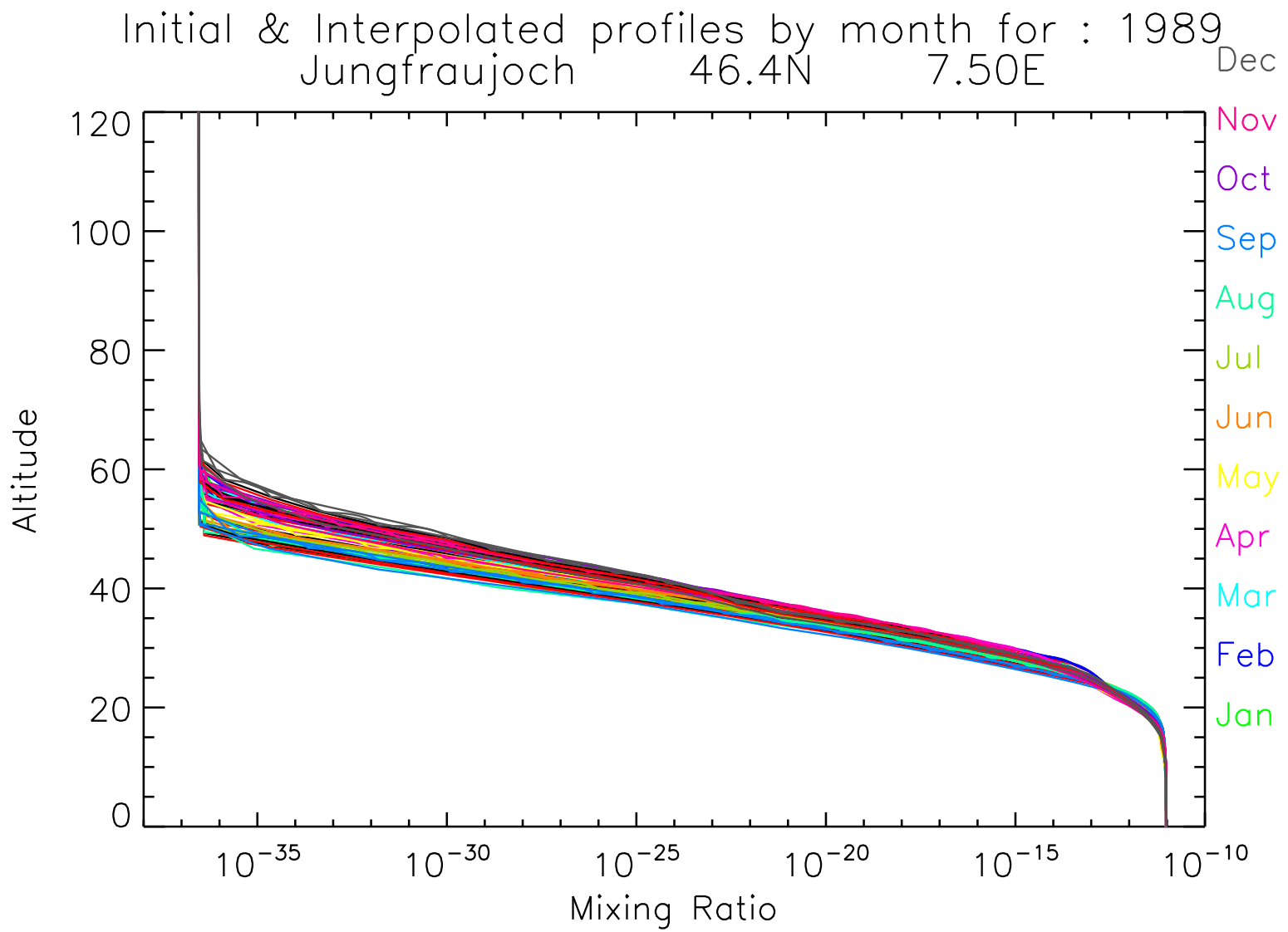
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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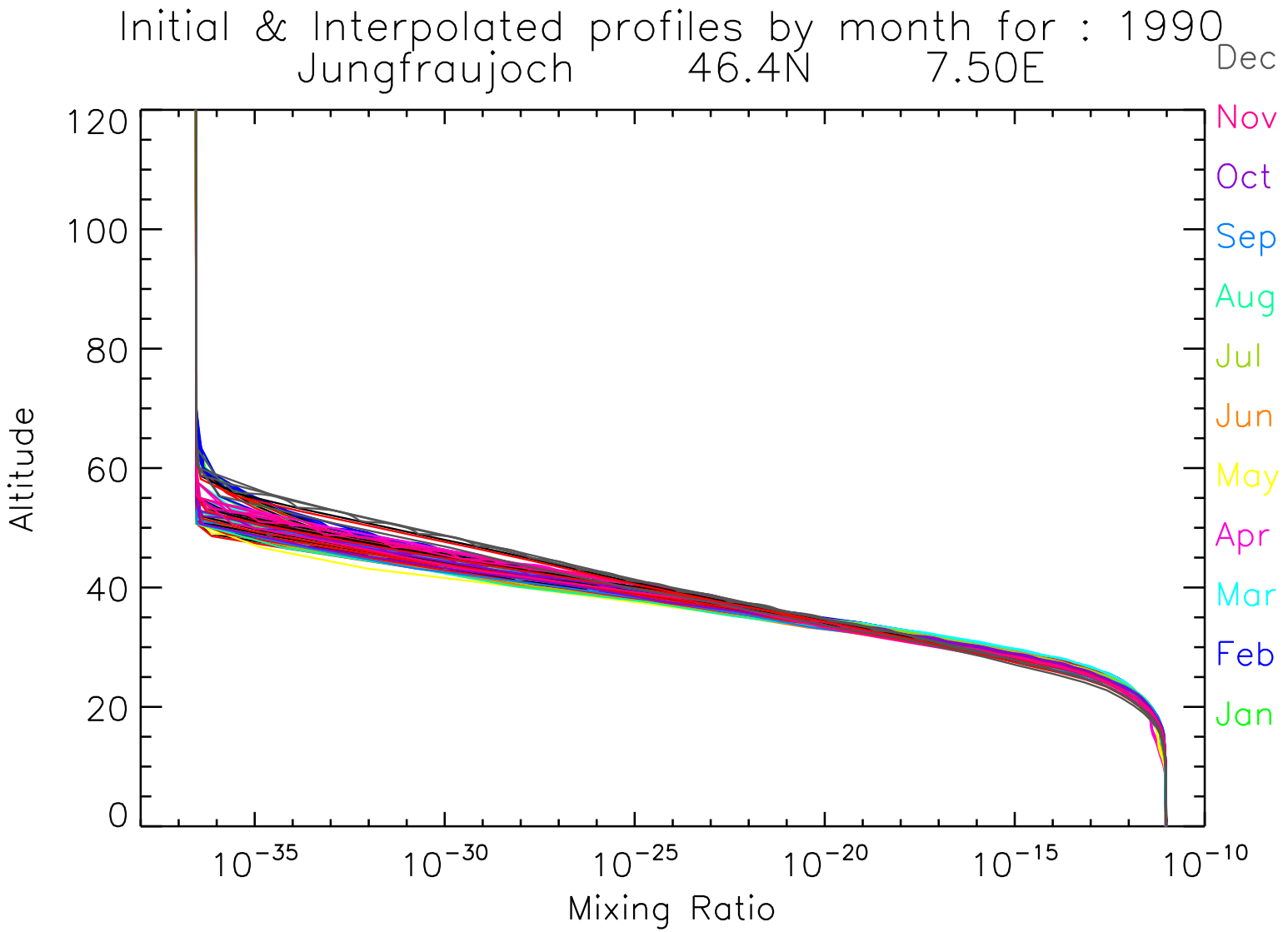
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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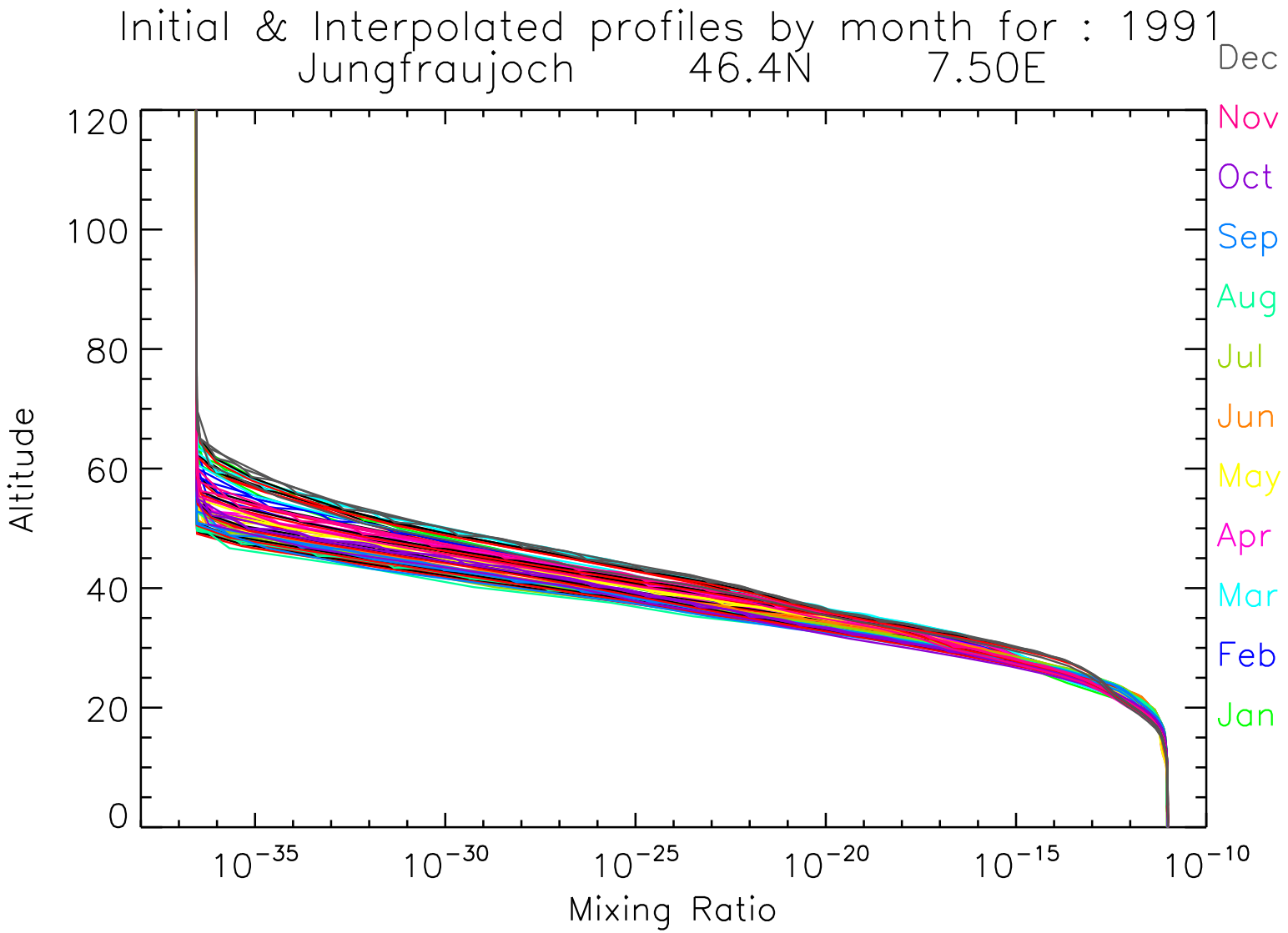
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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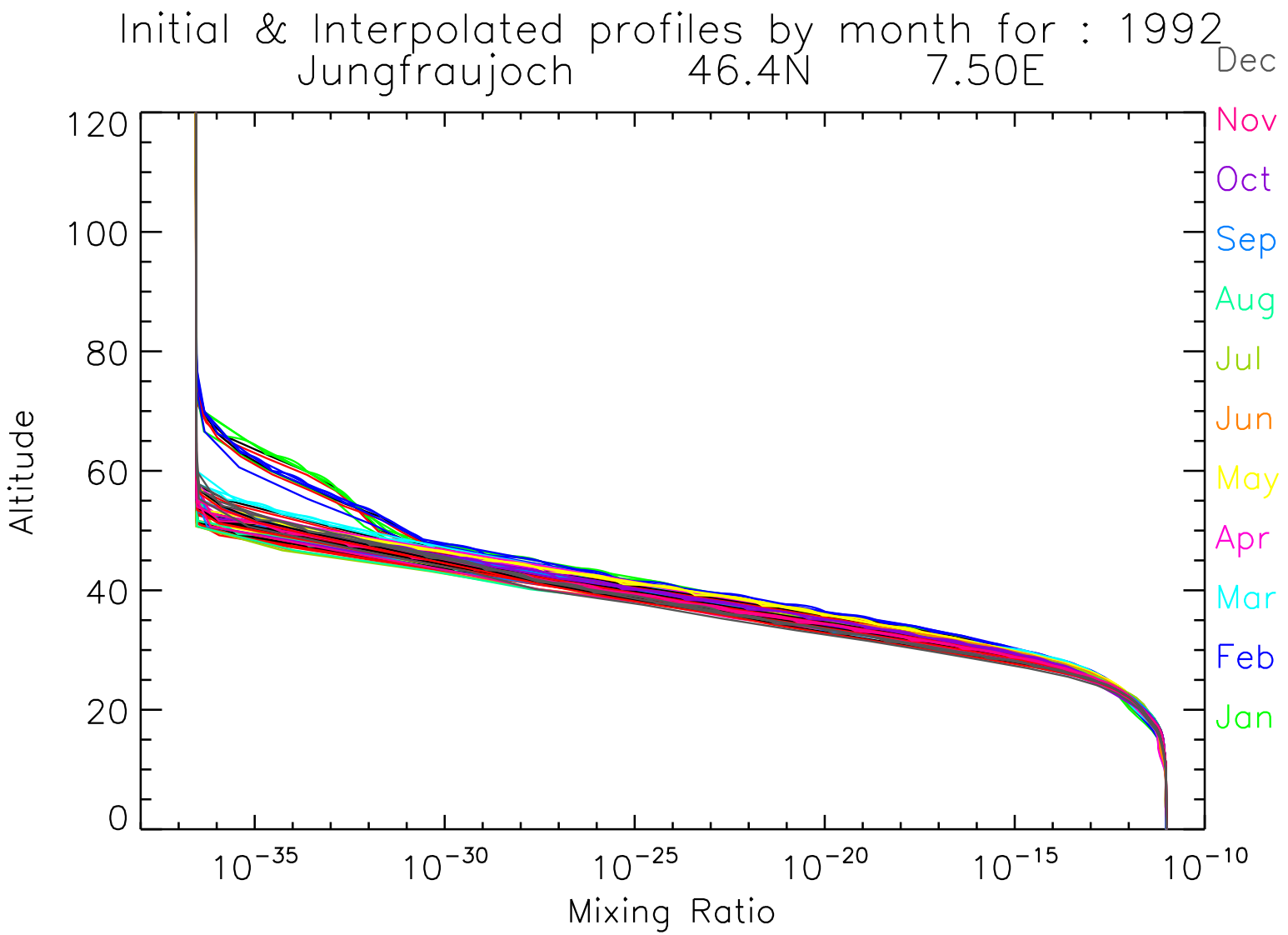
Mixing Ratio


Initial & Interpolated profiles by month for : 1992
Jungfraujoch 46.4N 7.50E
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Altitude
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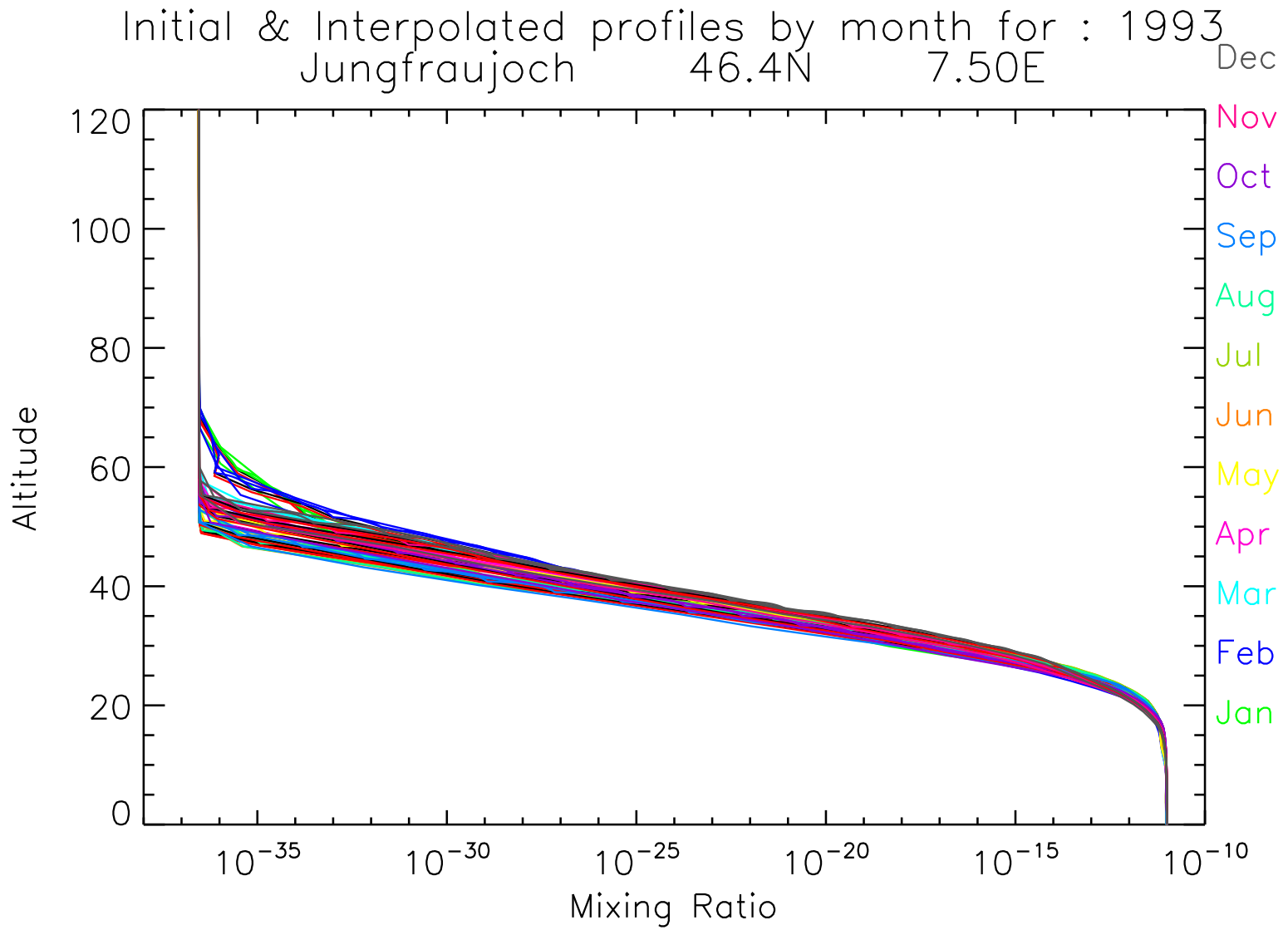
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Jungfraujoch 46.4N 7.50E
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Altitude
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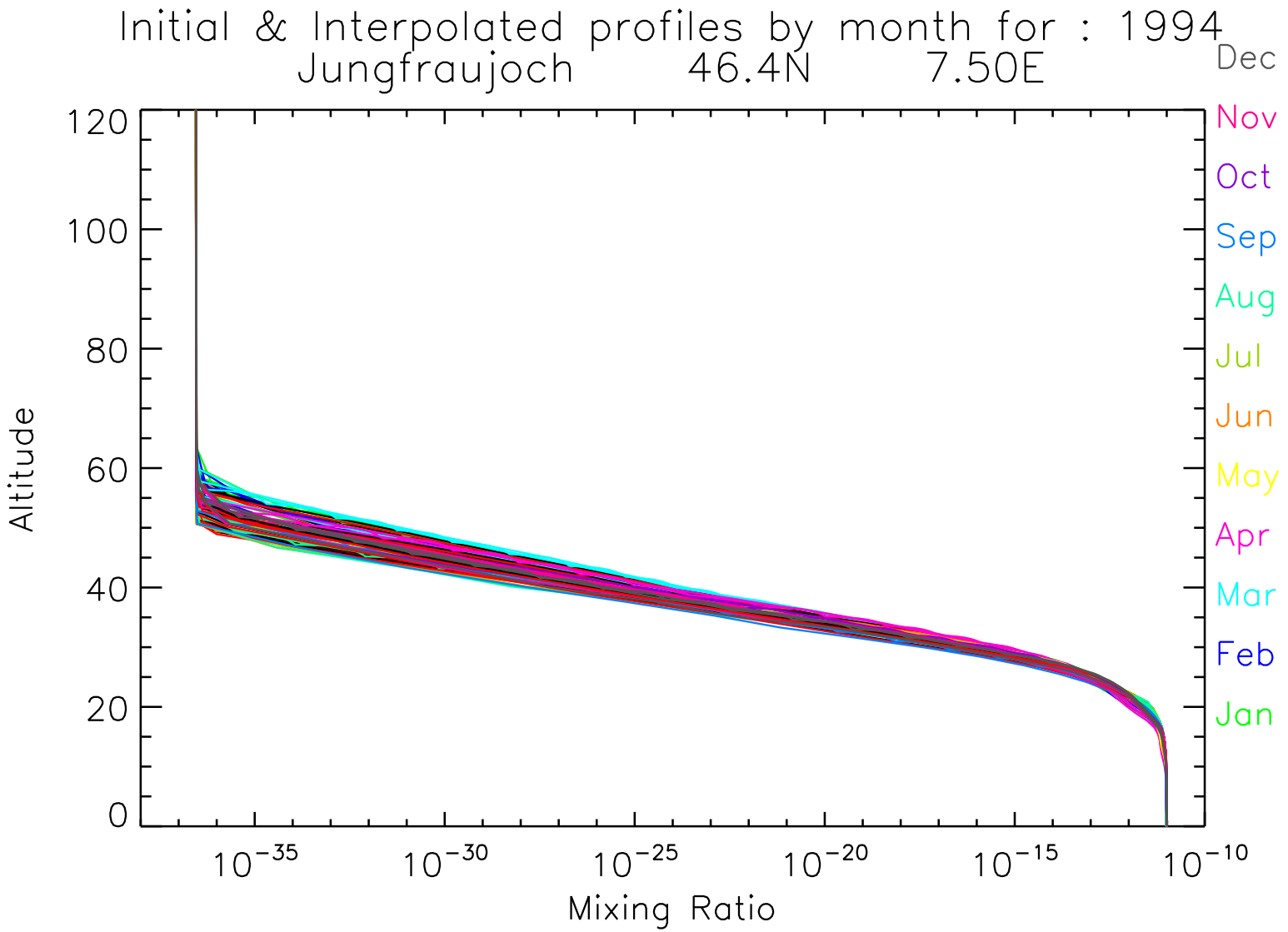
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Jungfraujoch 46.4N 7.50E
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Altitude
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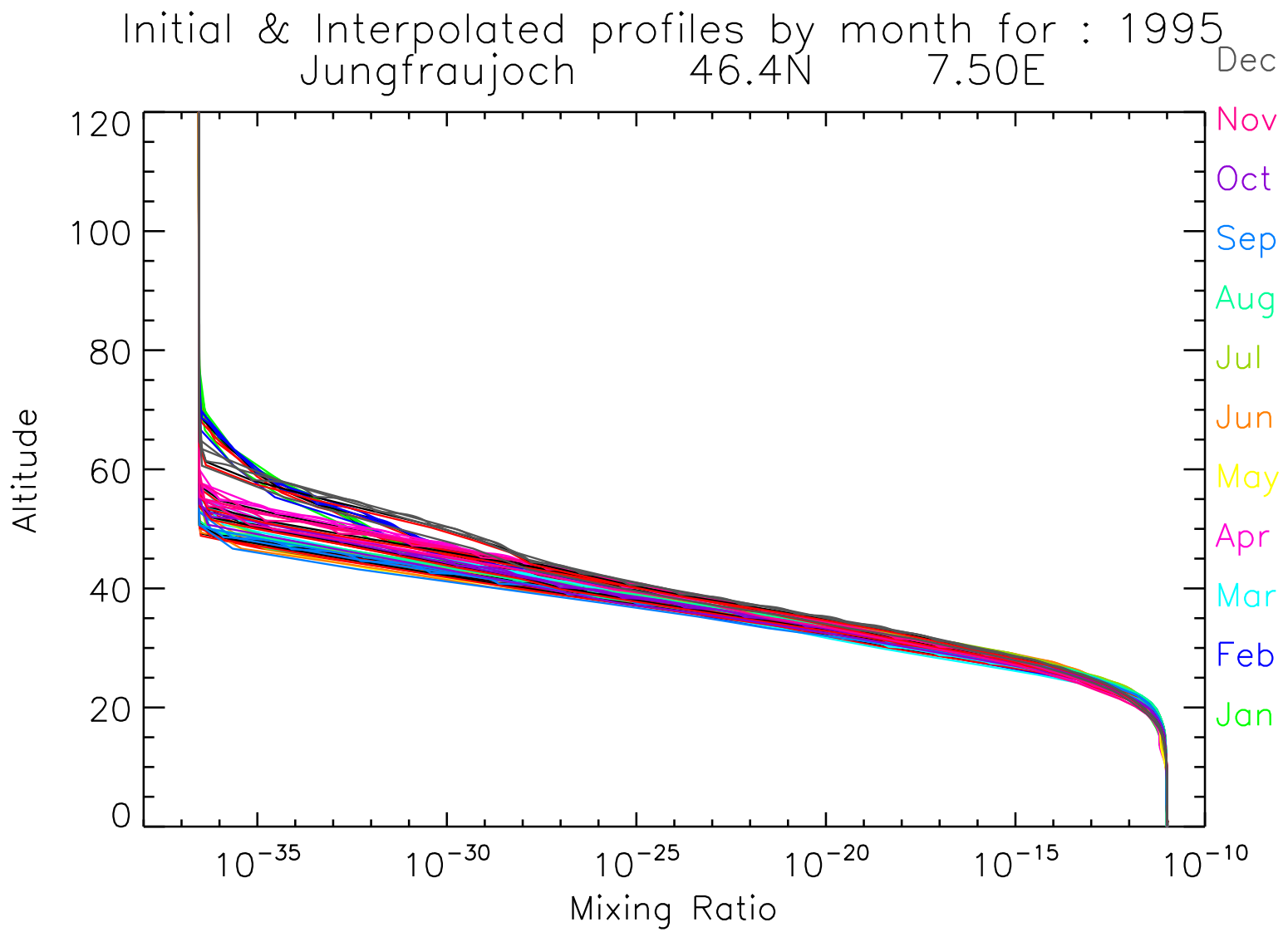
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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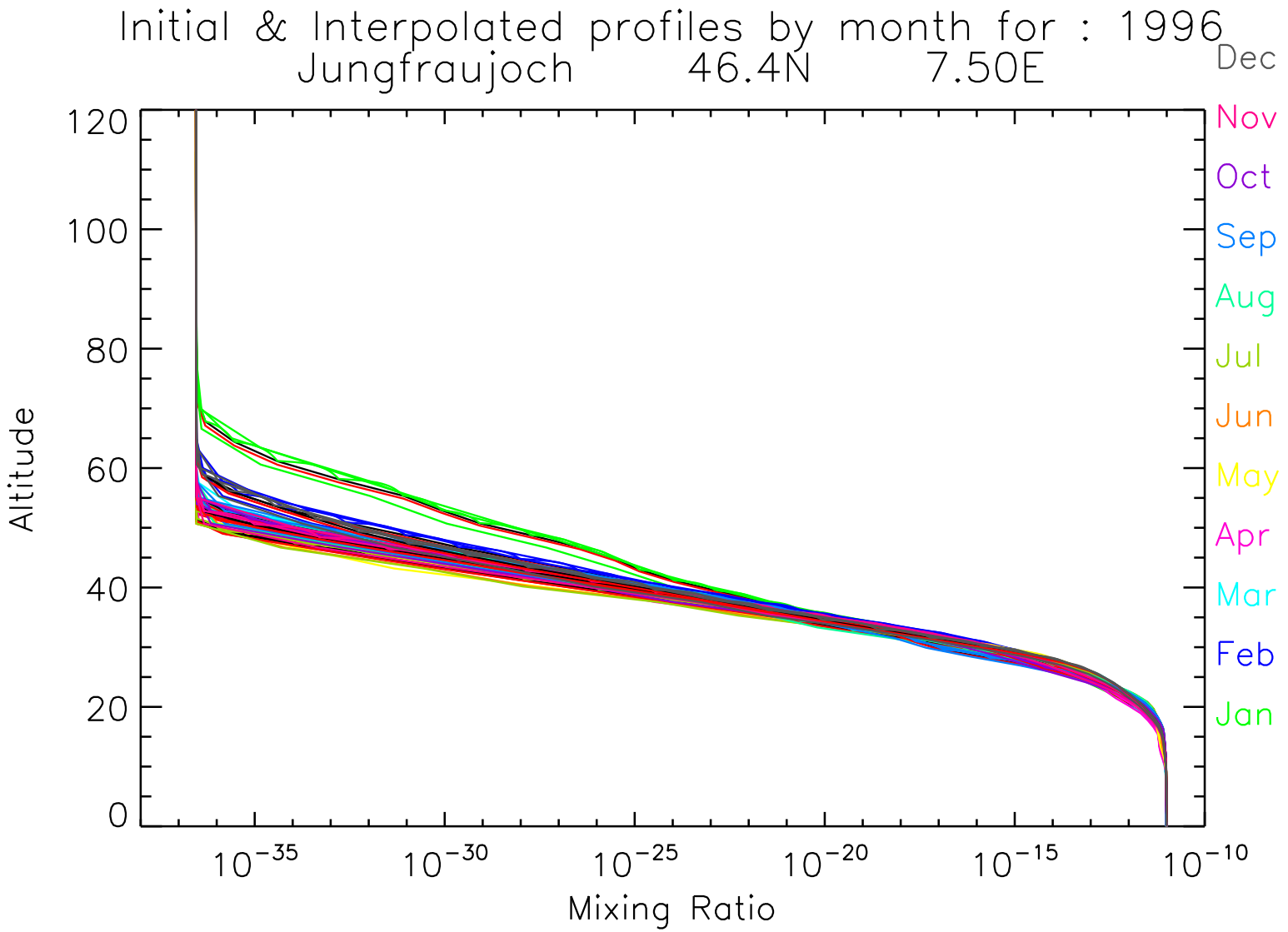
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
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Altitude
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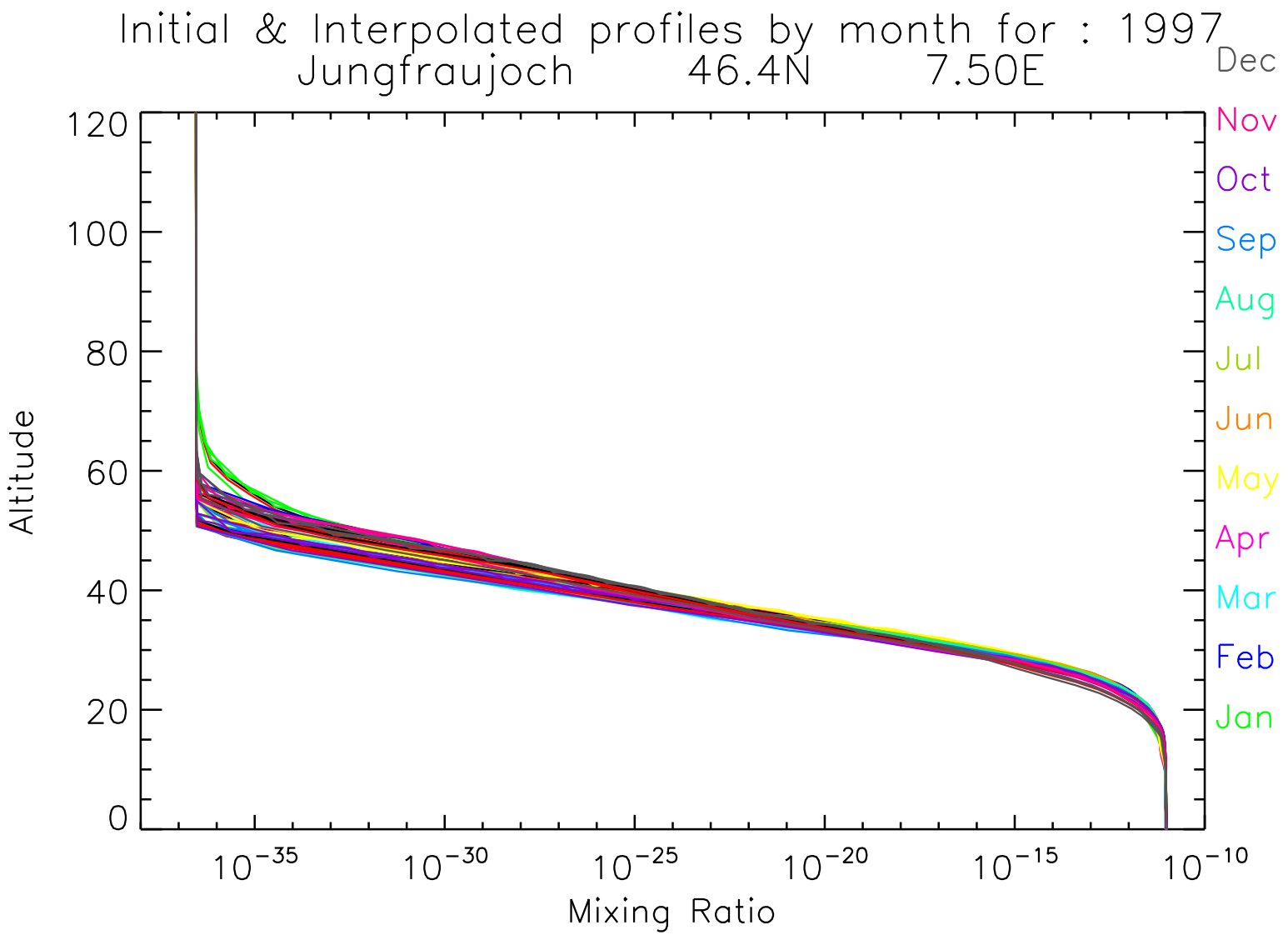
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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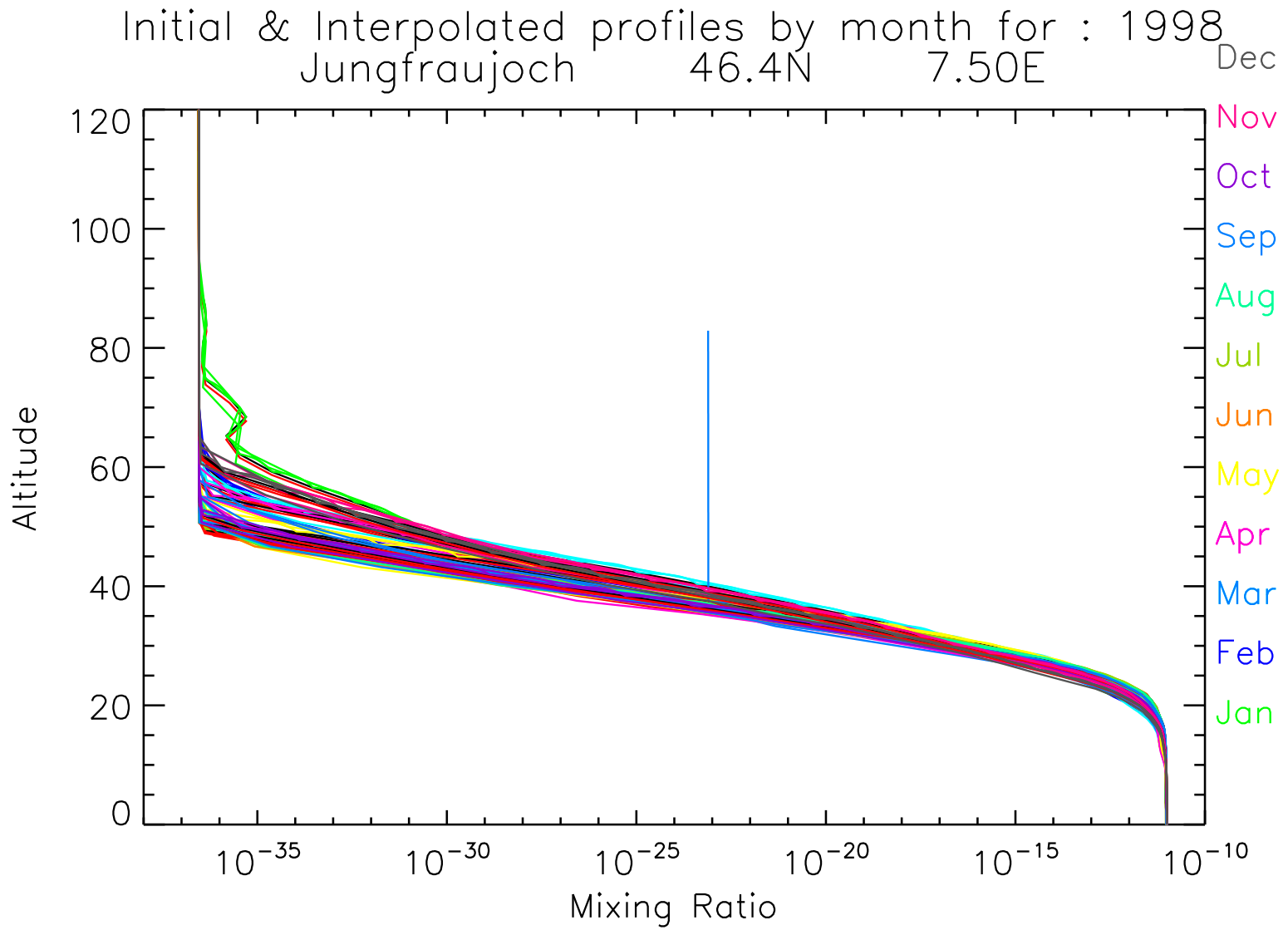
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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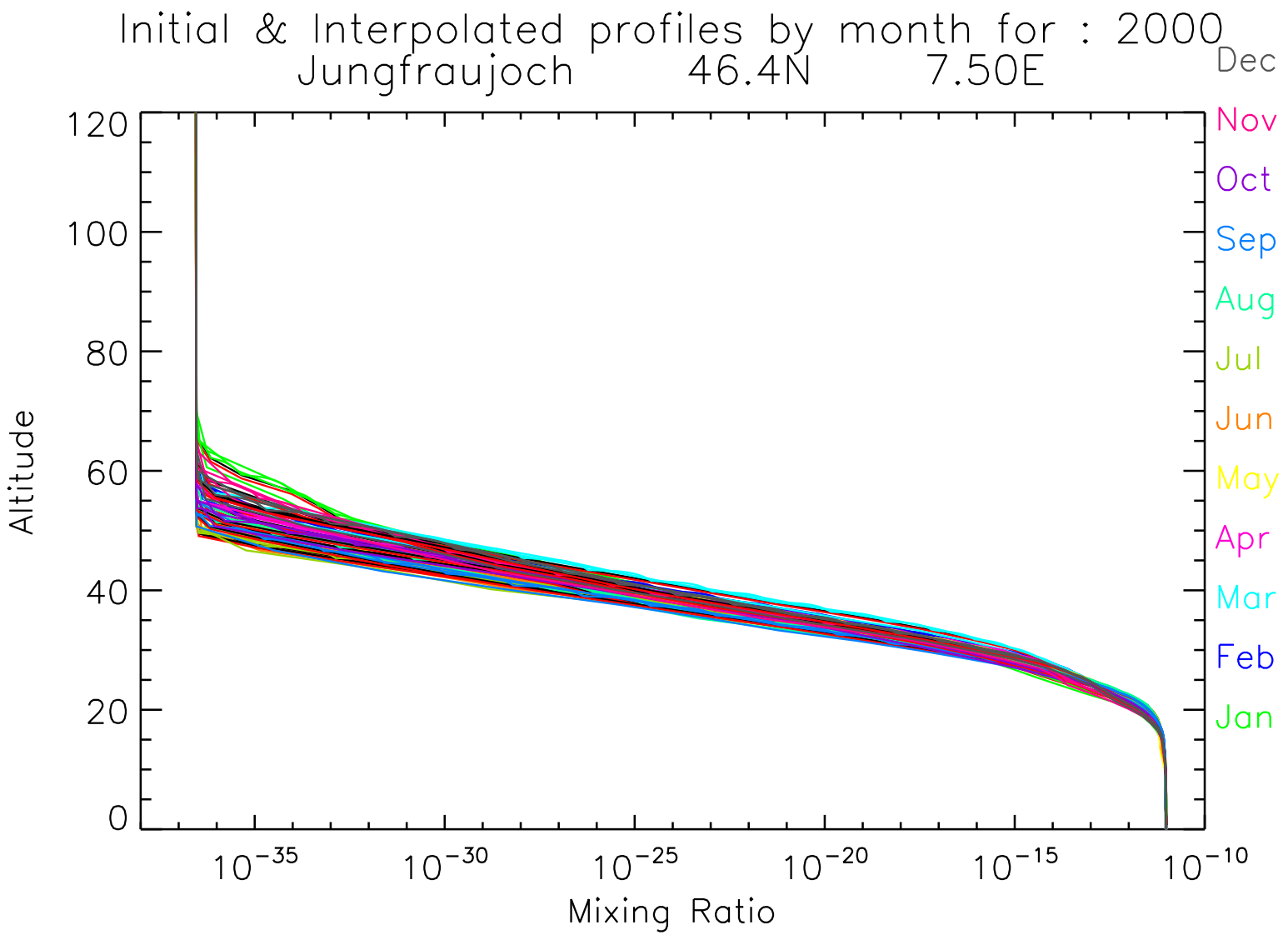
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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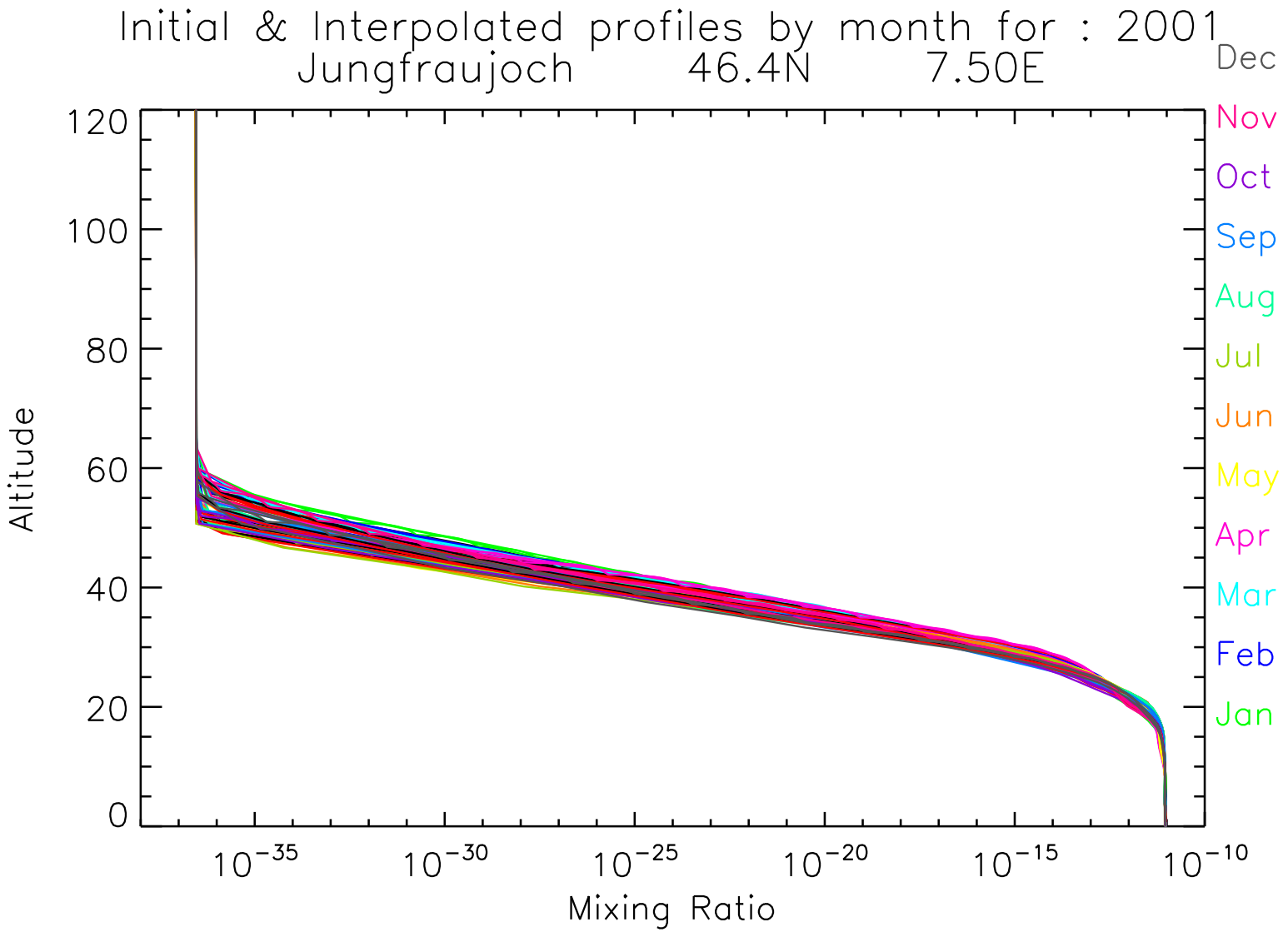
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2001
Jungfraujoch 46.4N 7.50E
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Altitude
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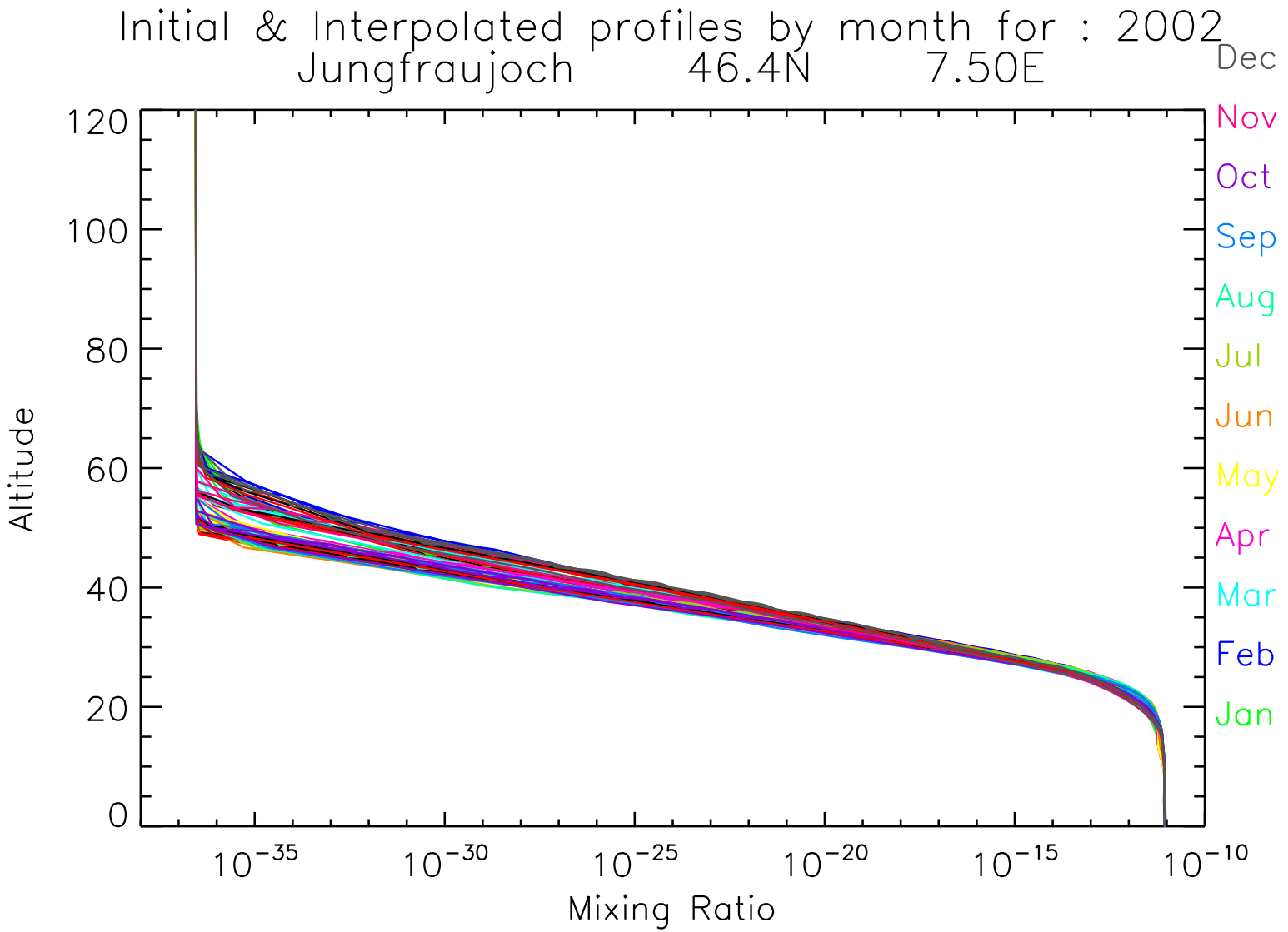
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Jan
Altitude
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10^{-35}
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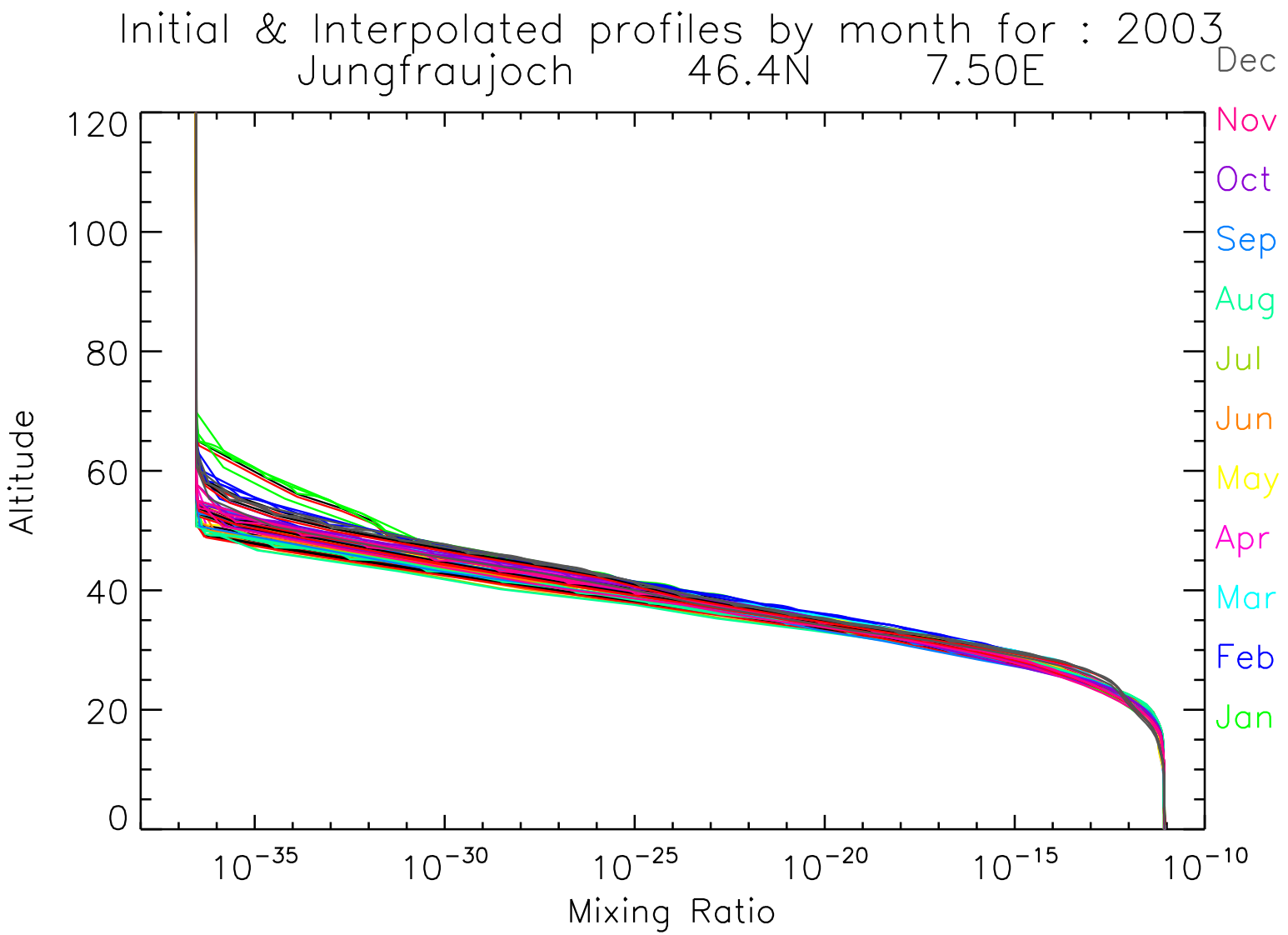
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
120
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10^{-35}
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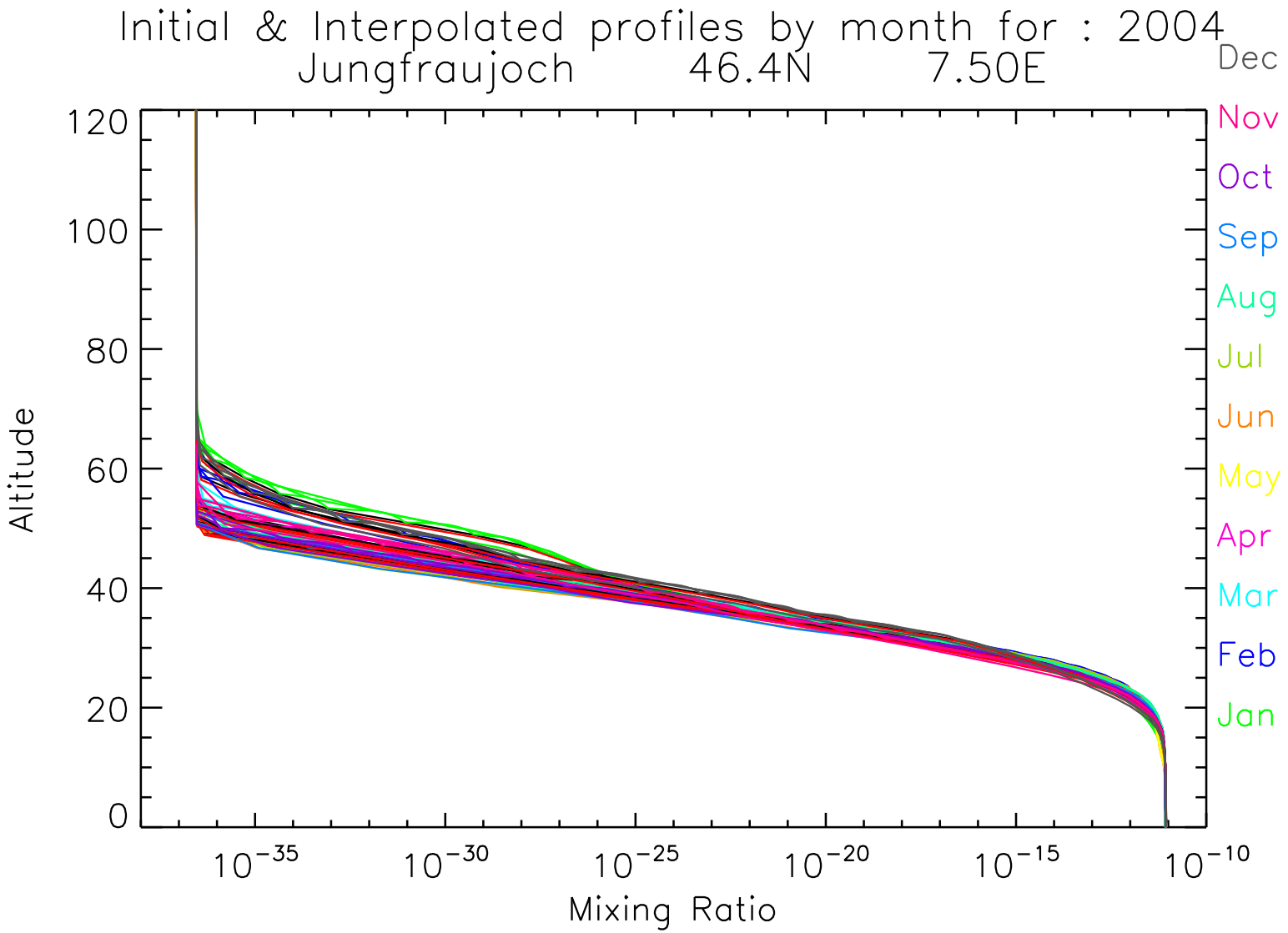
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2004
Jungfraujoch 46.4N 7.50E
Dec
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Jan
Altitude
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10^{-35}
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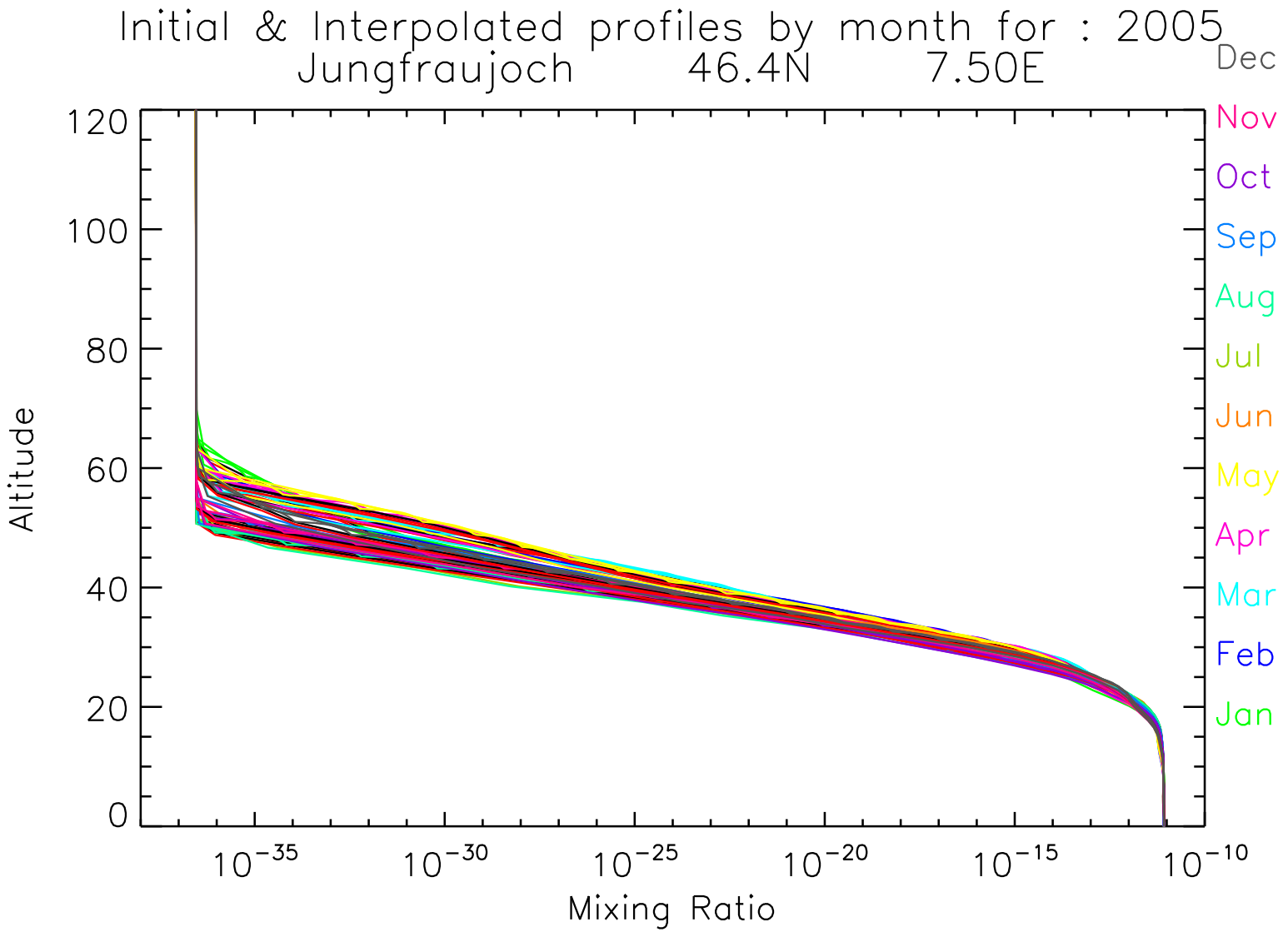
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2005
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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10^{-25}
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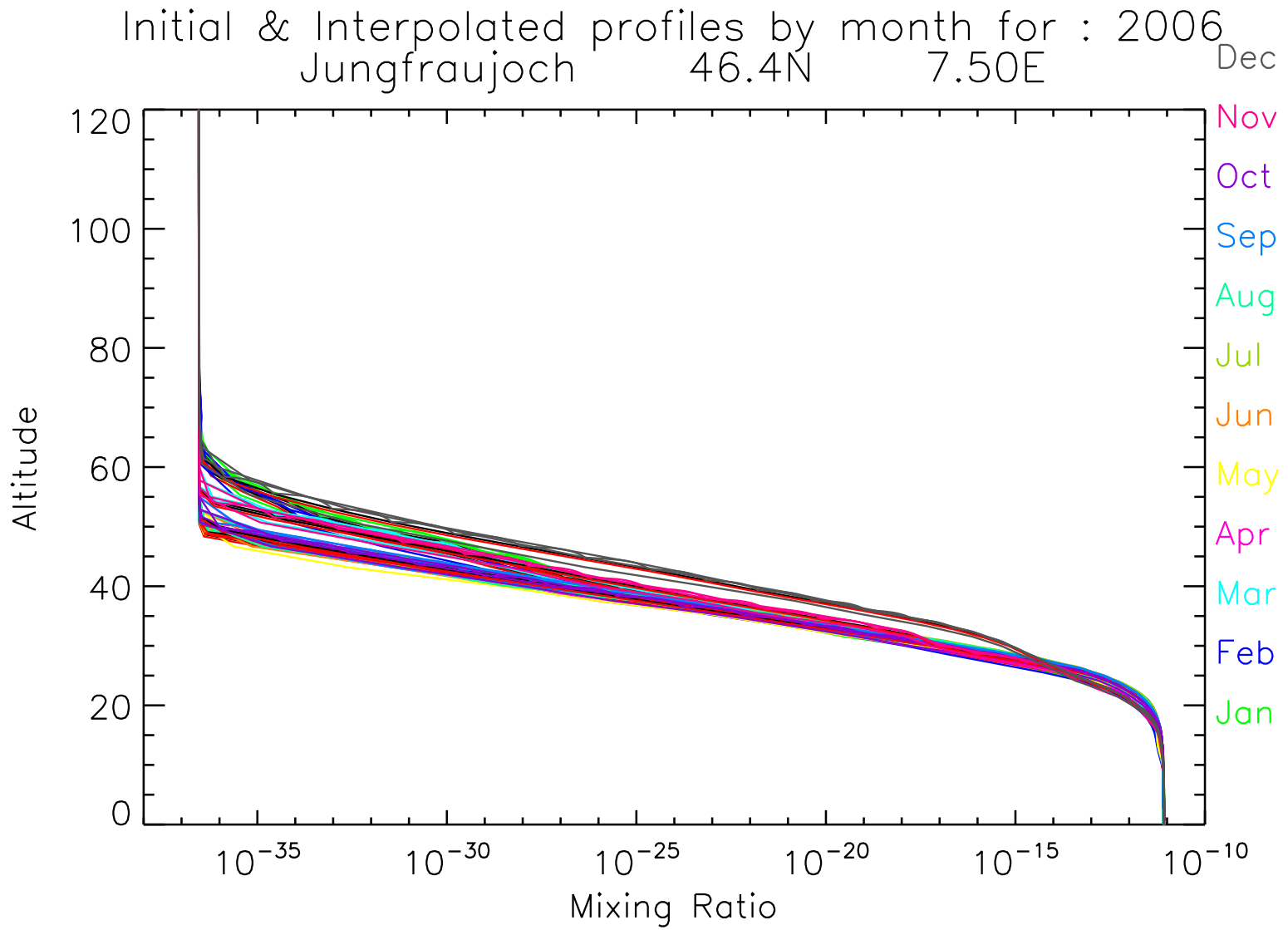
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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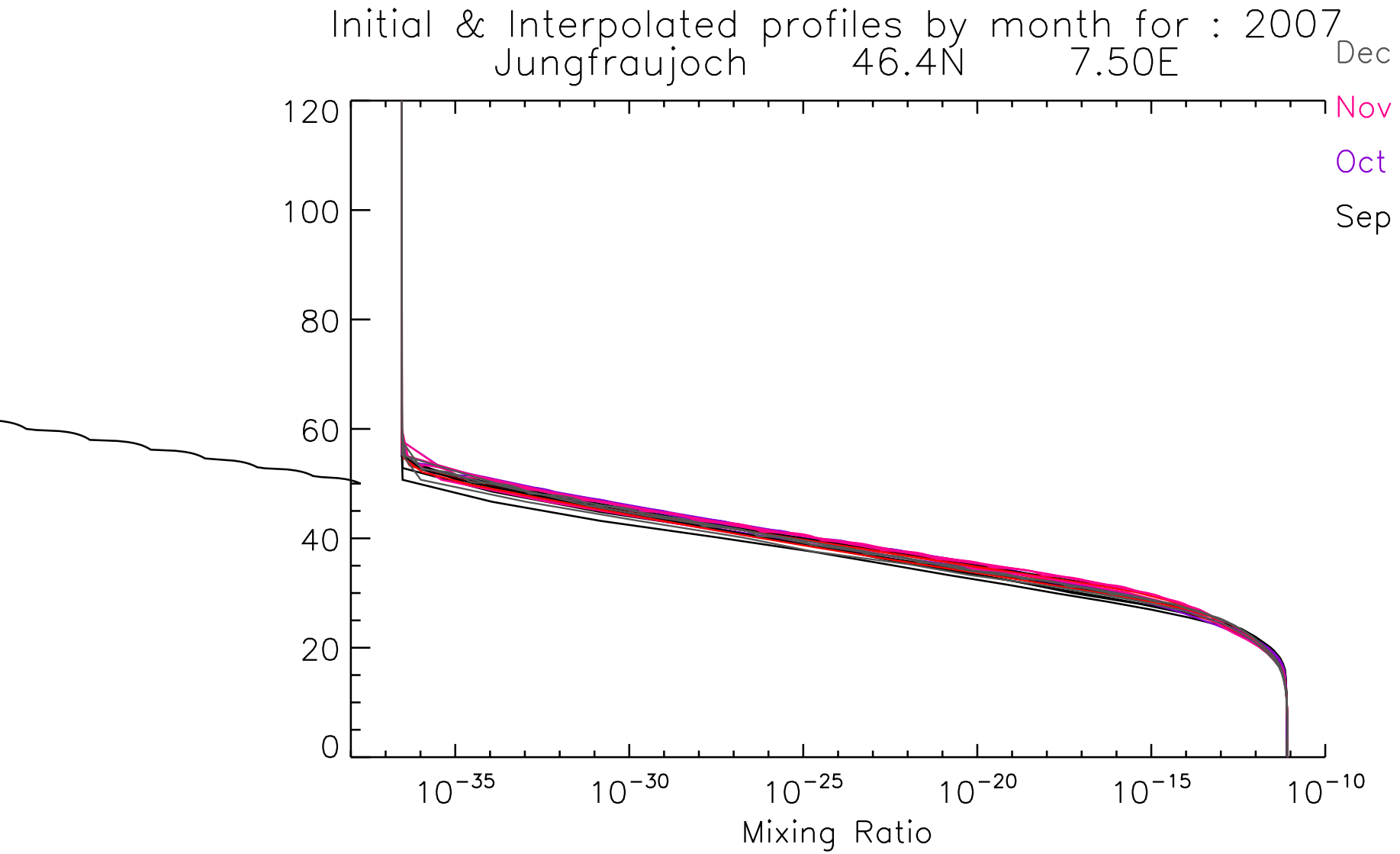
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
Dec
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10^{-35}
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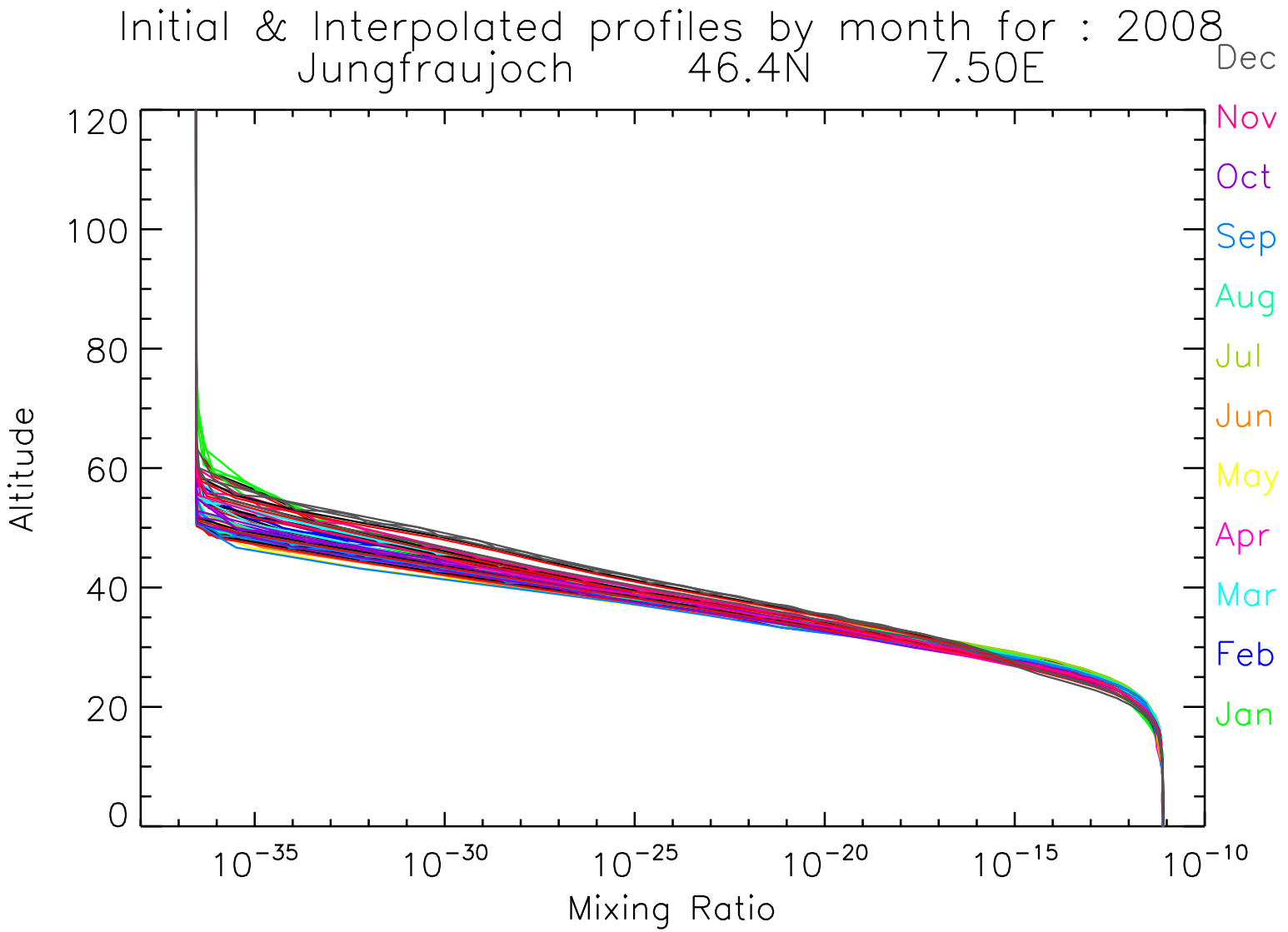
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2008
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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10^{-35}
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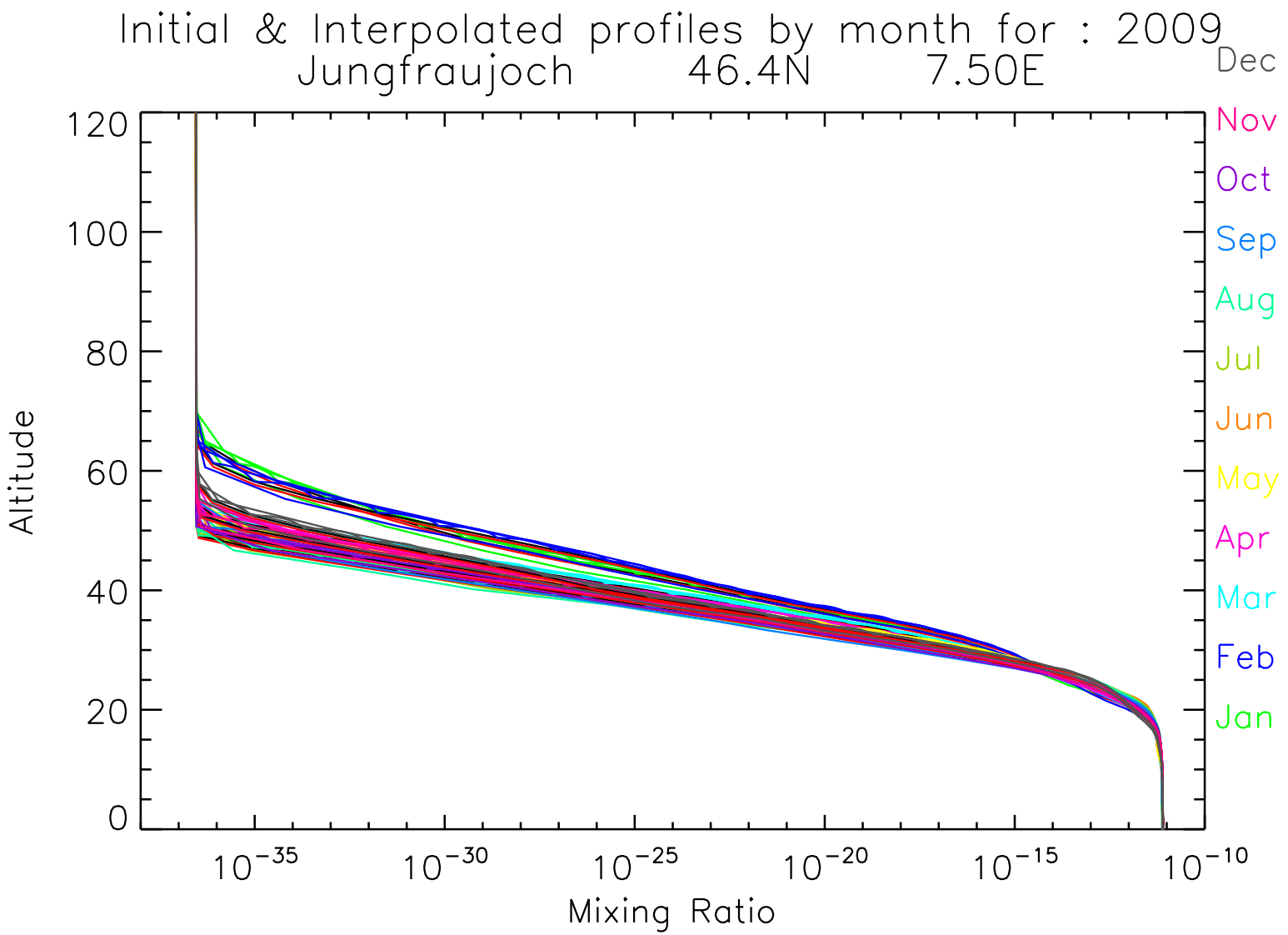
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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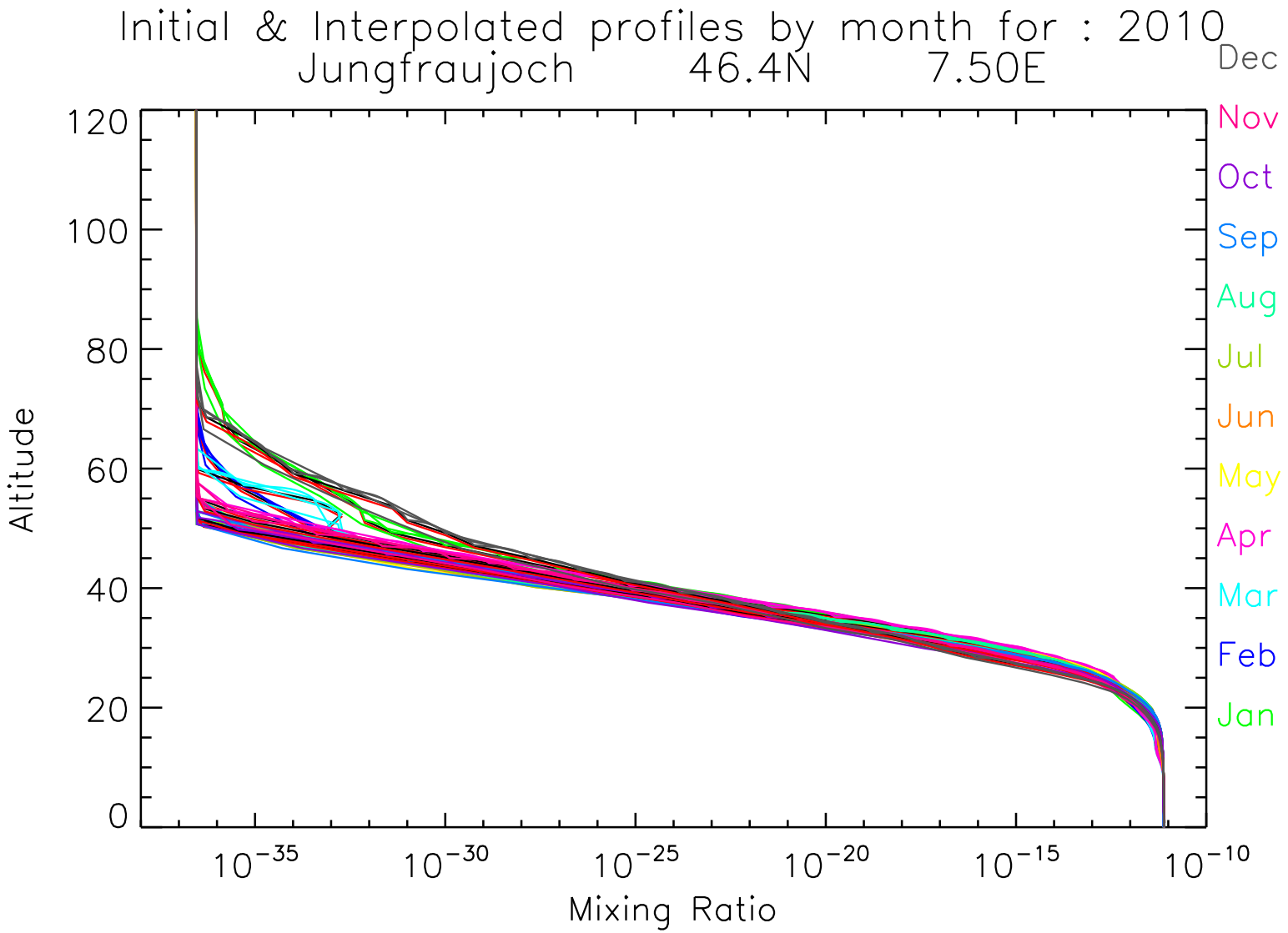
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2010
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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10^{-35}
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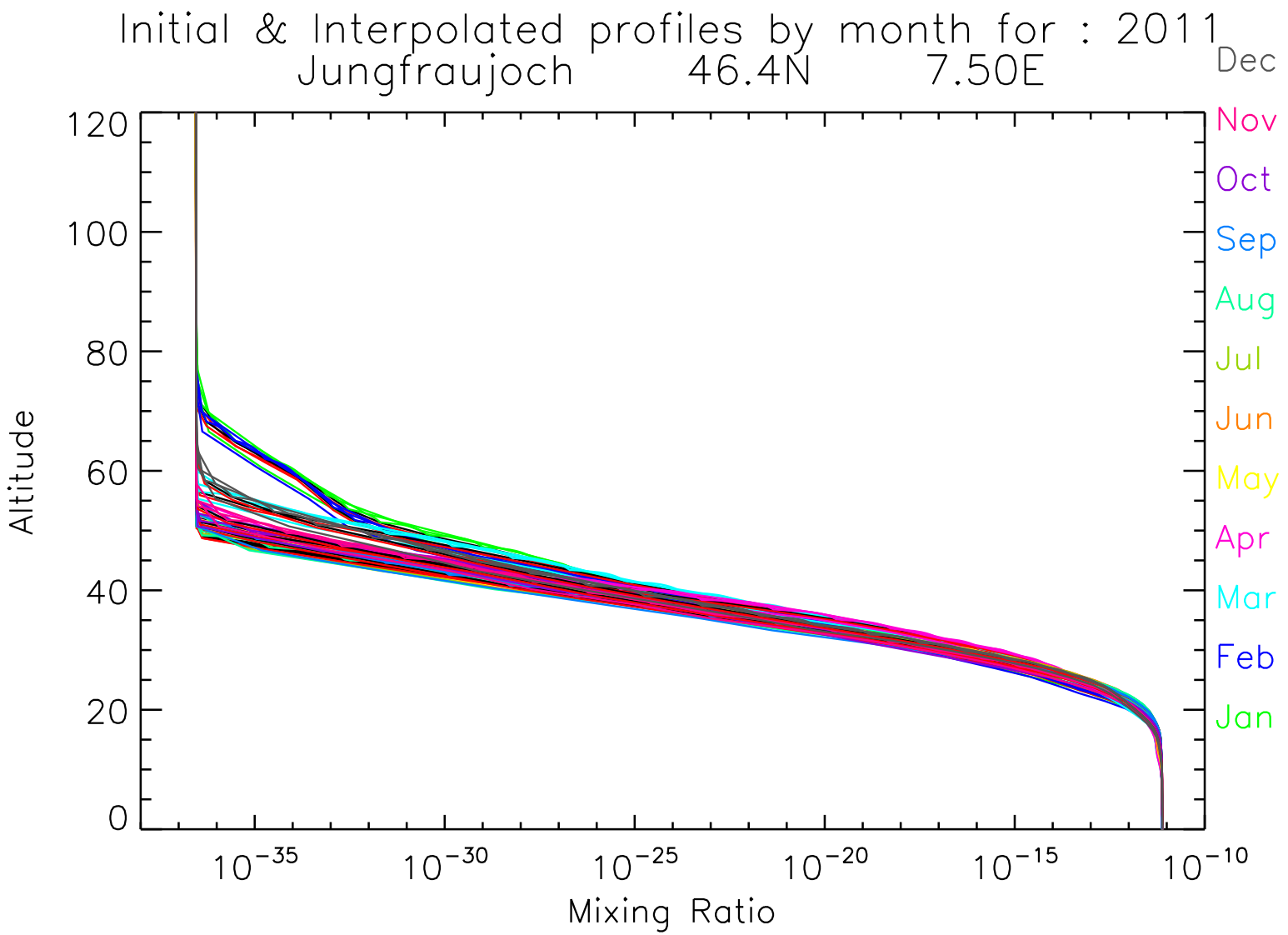
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
Dec
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Feb
Jan
Altitude
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10^{-35}
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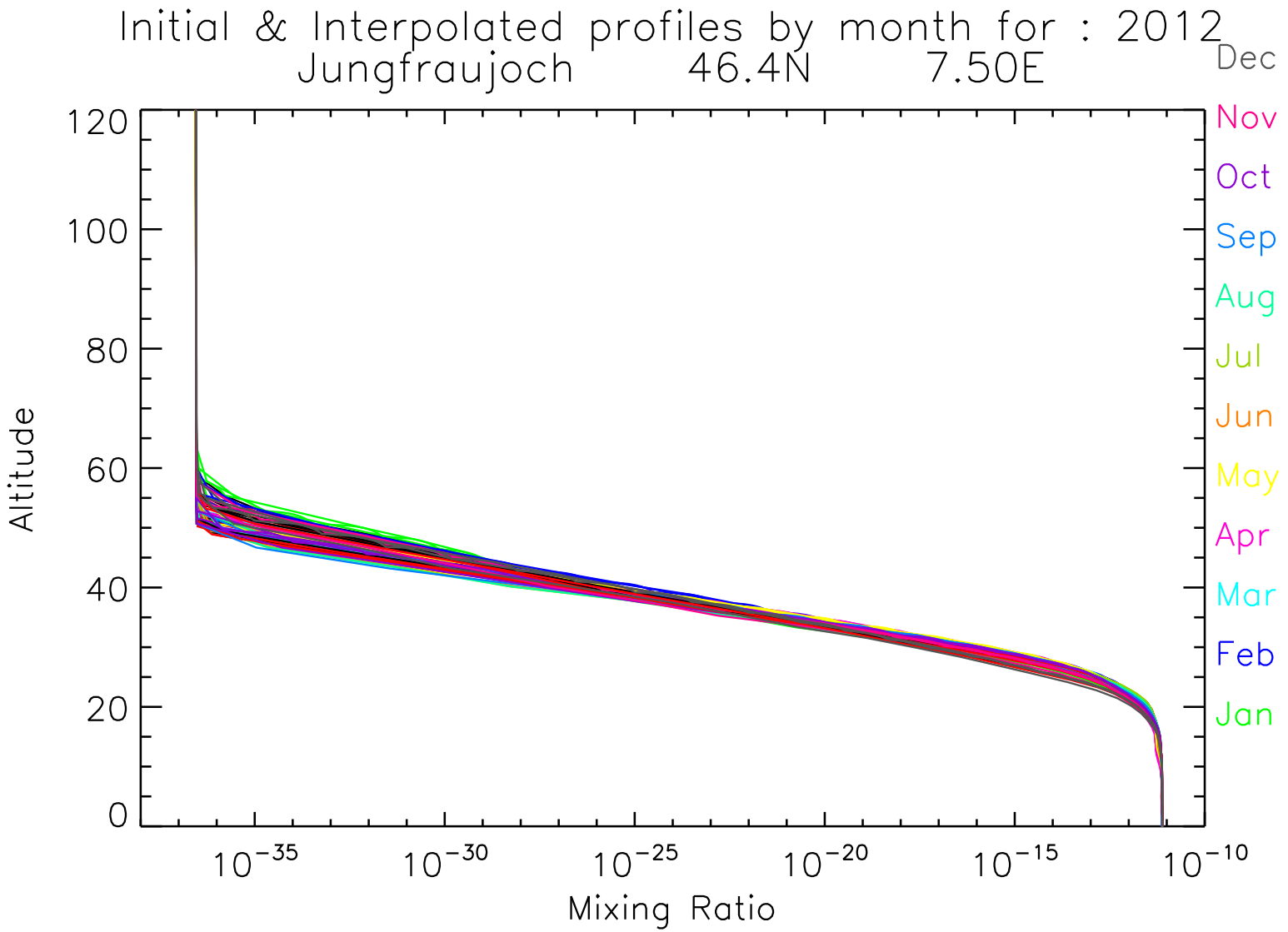
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
Dec
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Feb
Jan
Altitude
120
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10^{-35}
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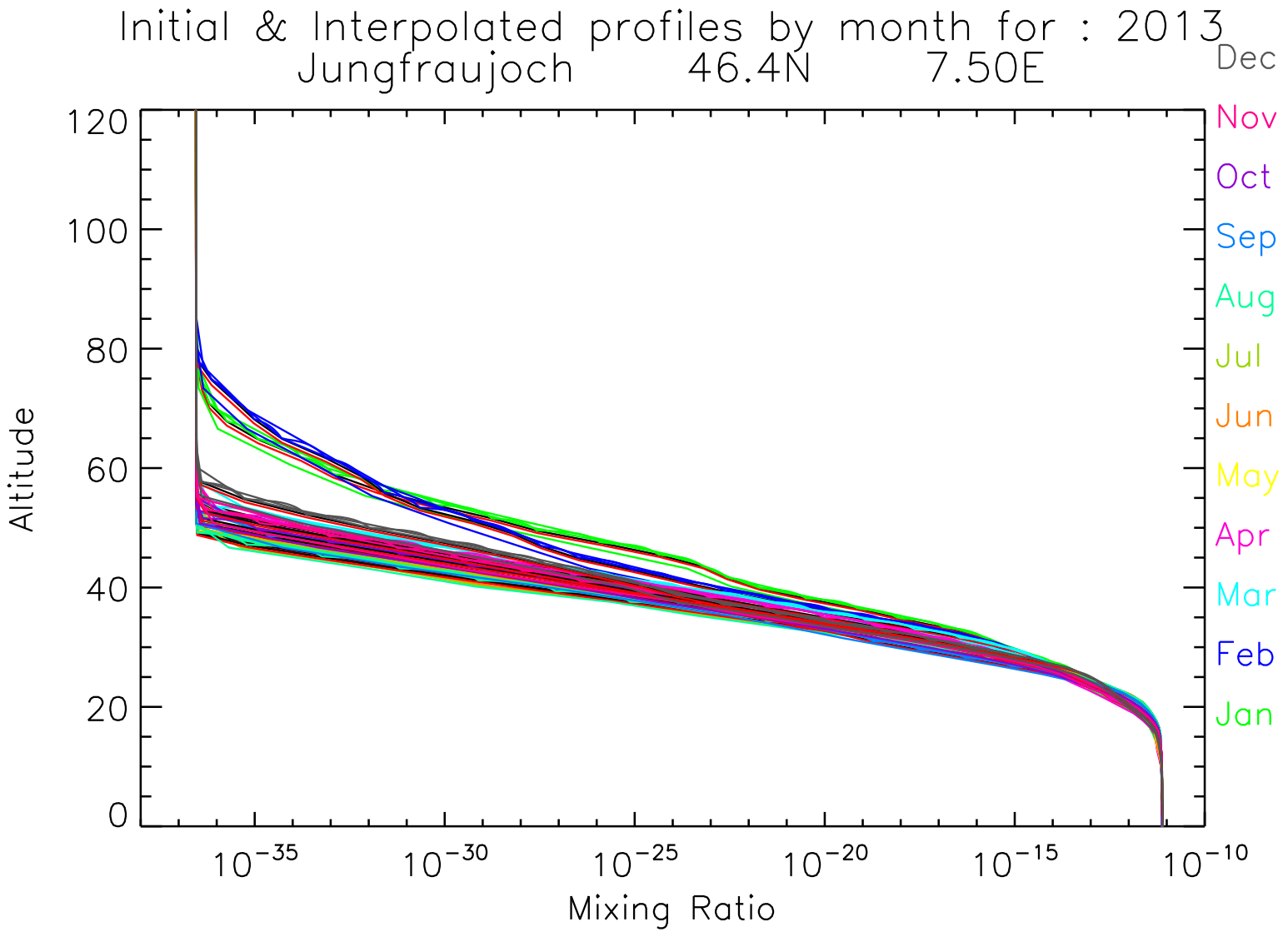
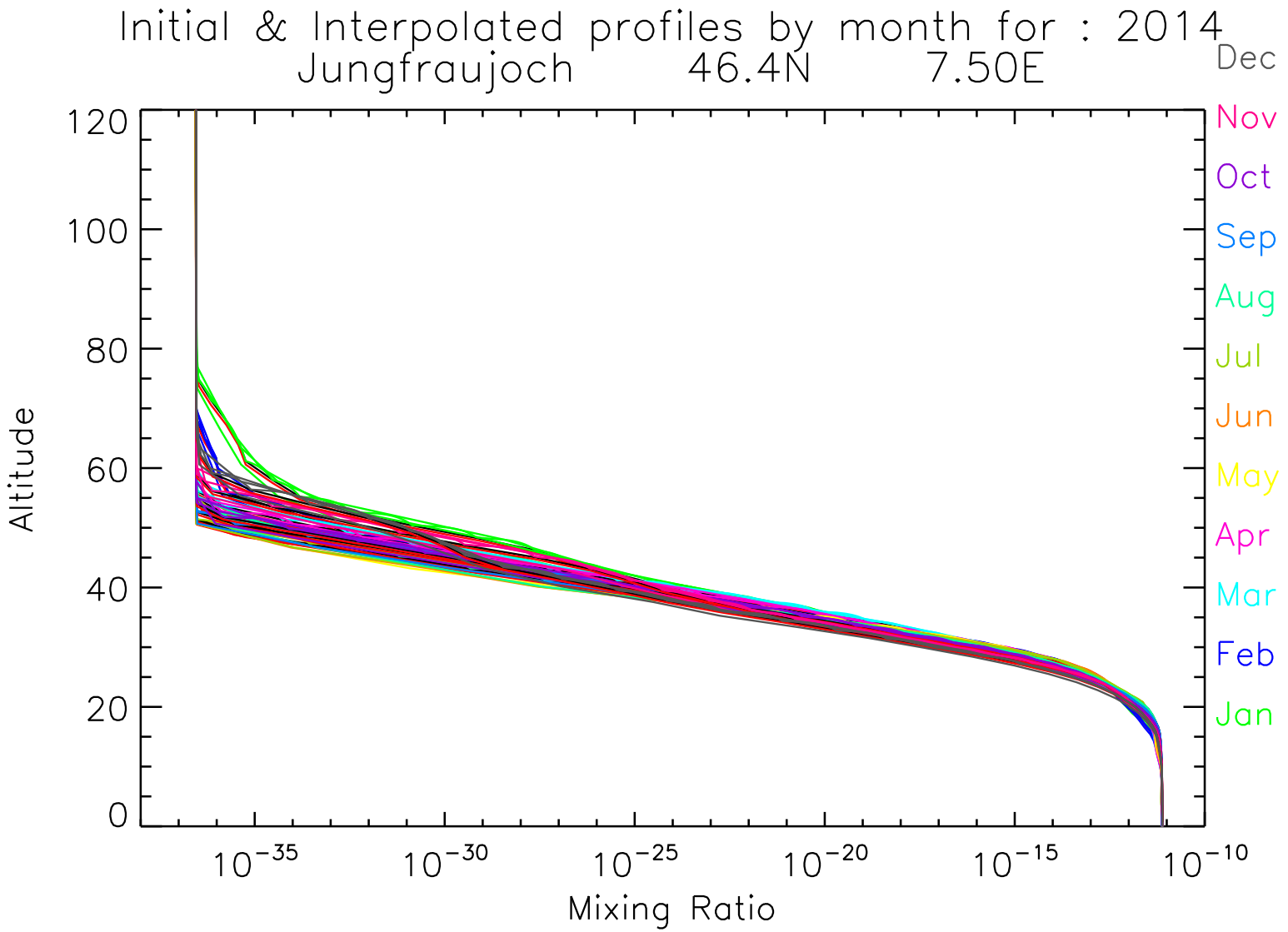
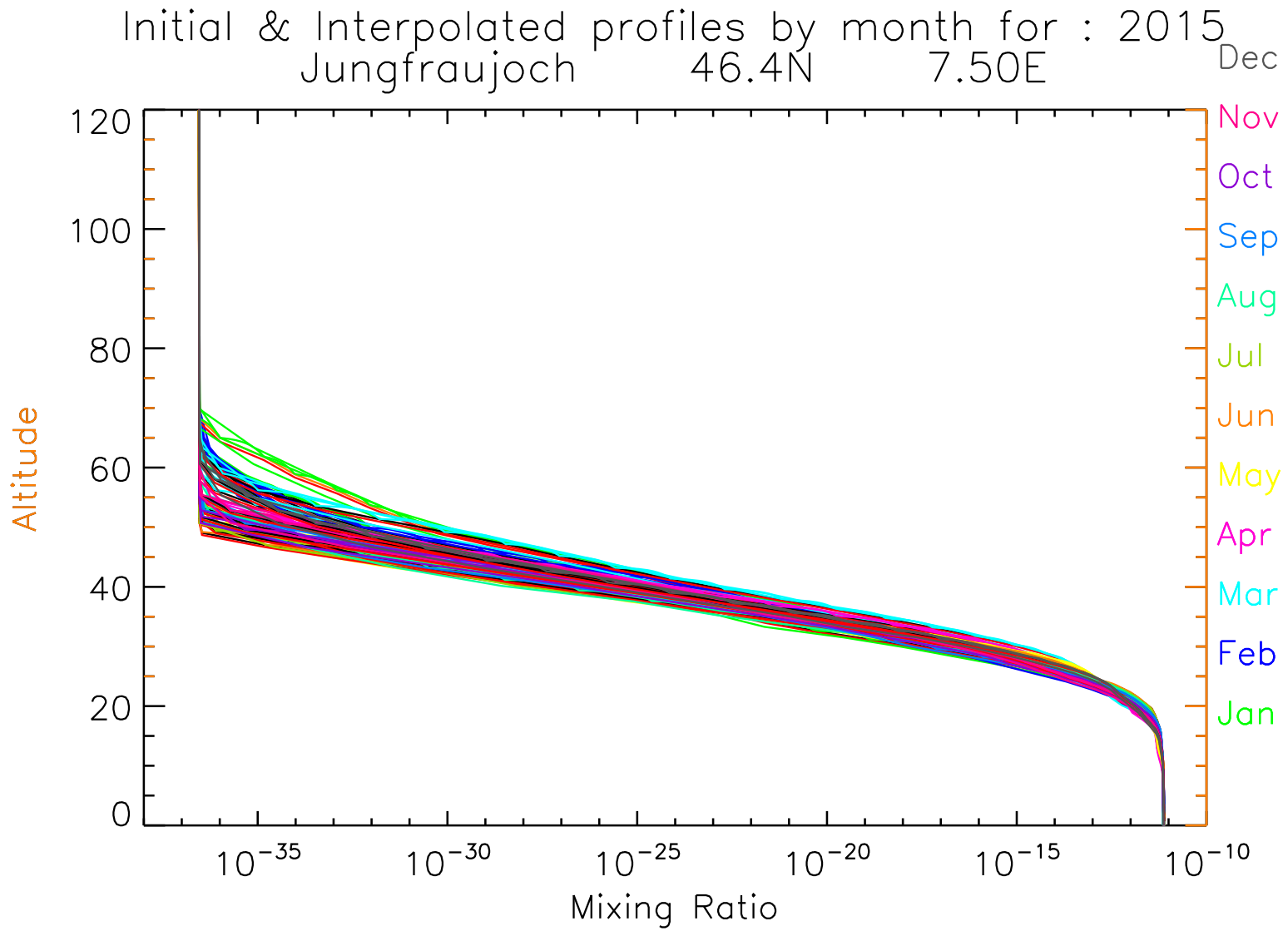
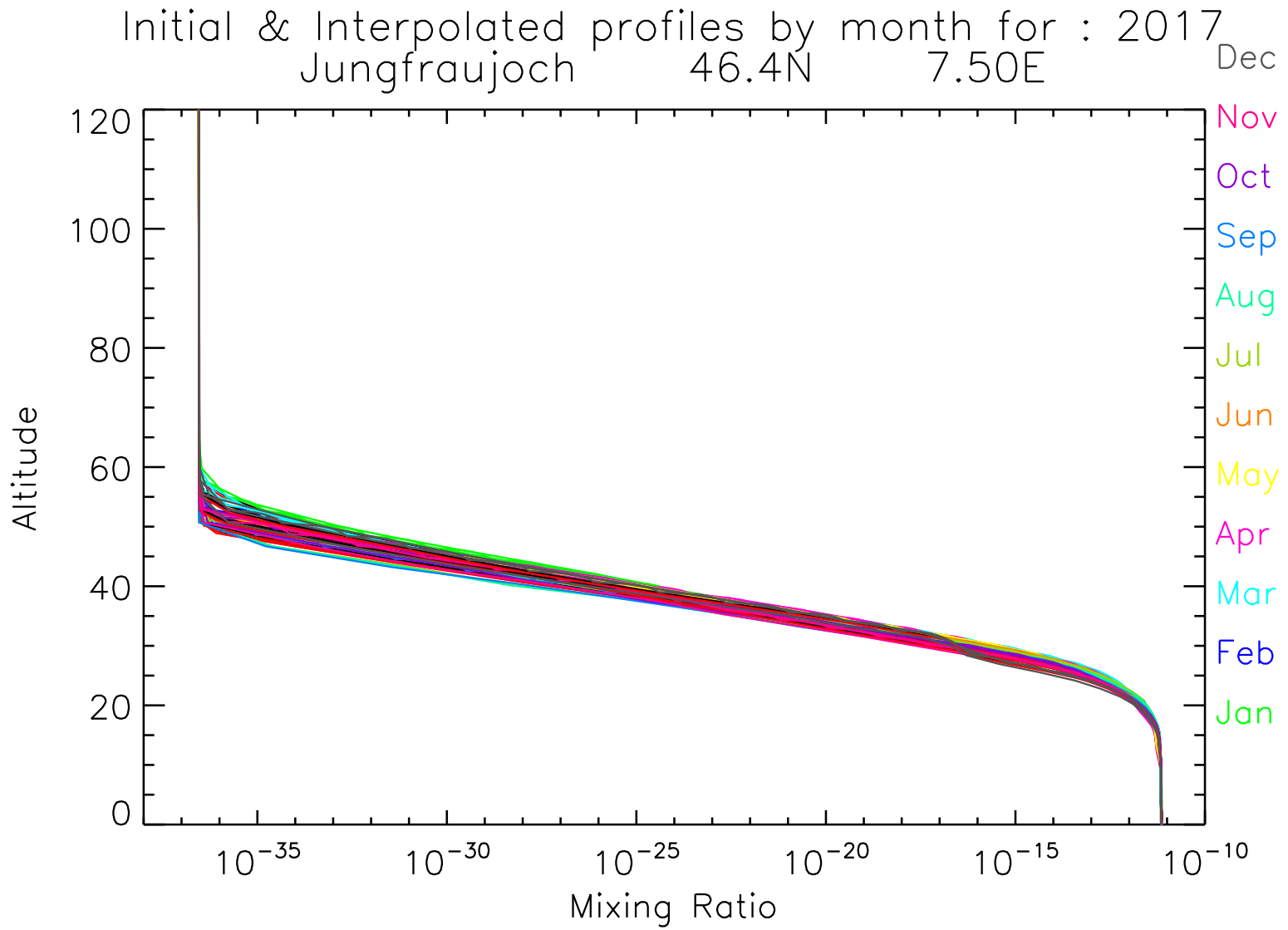
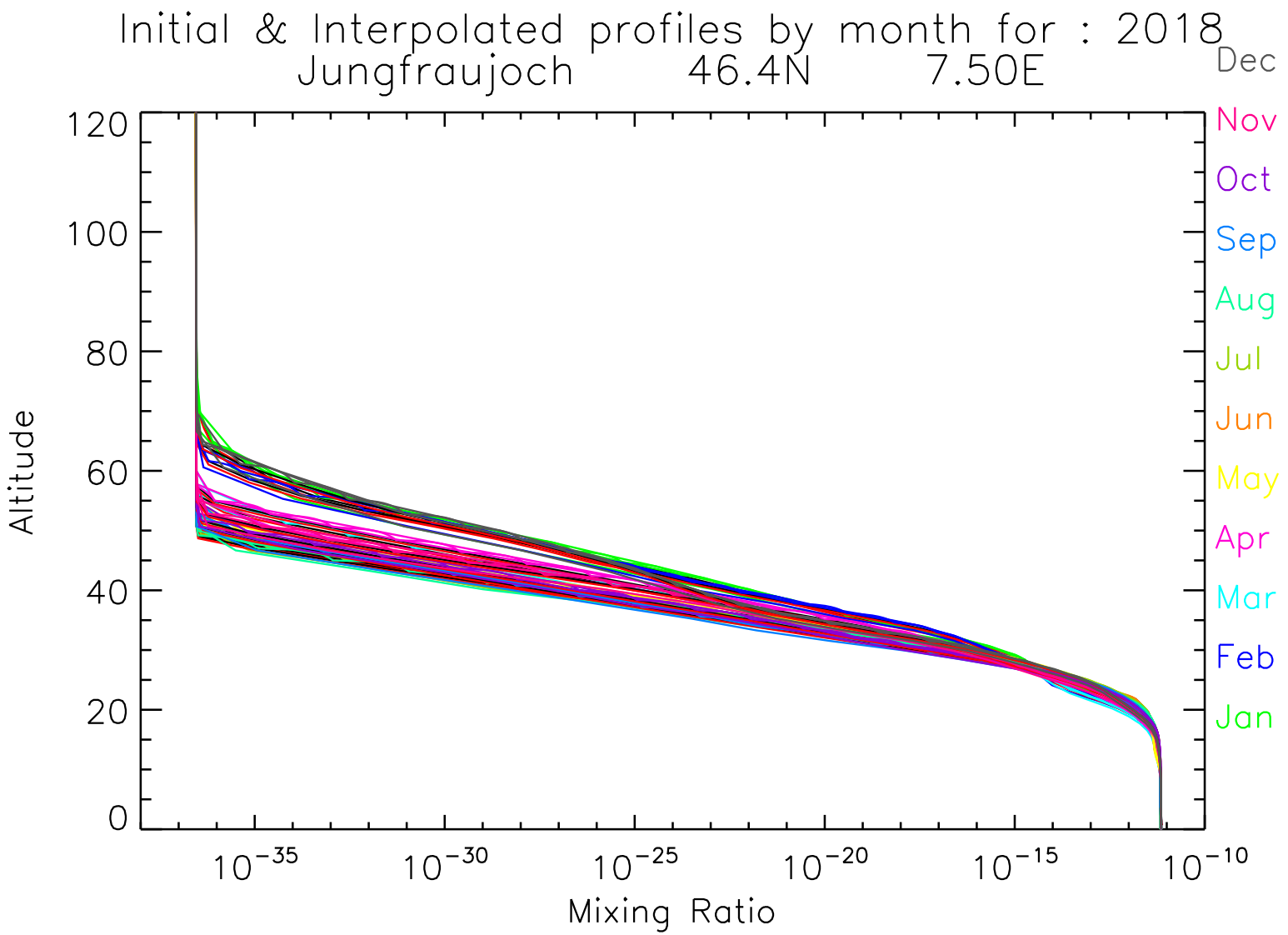
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

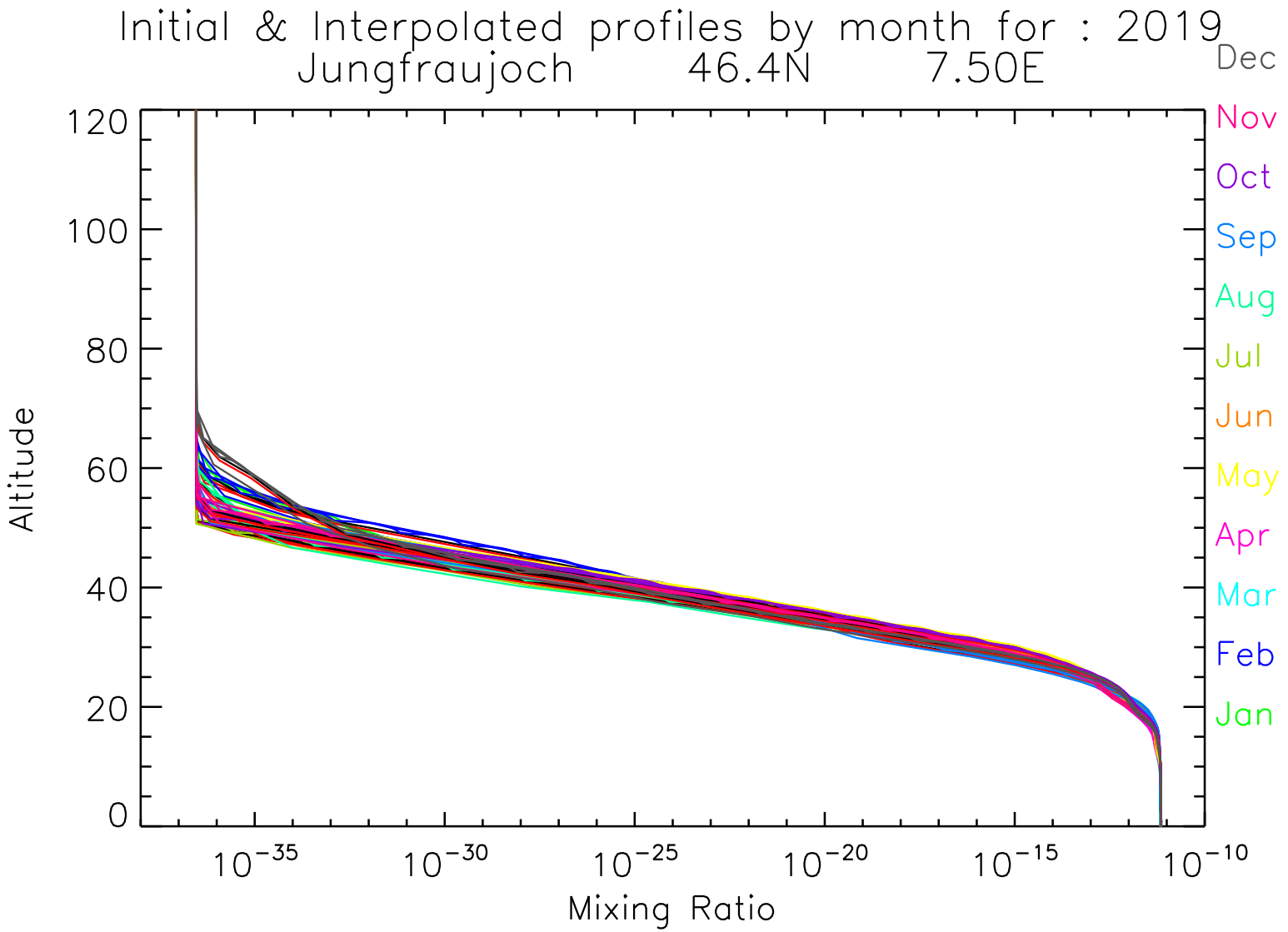

Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

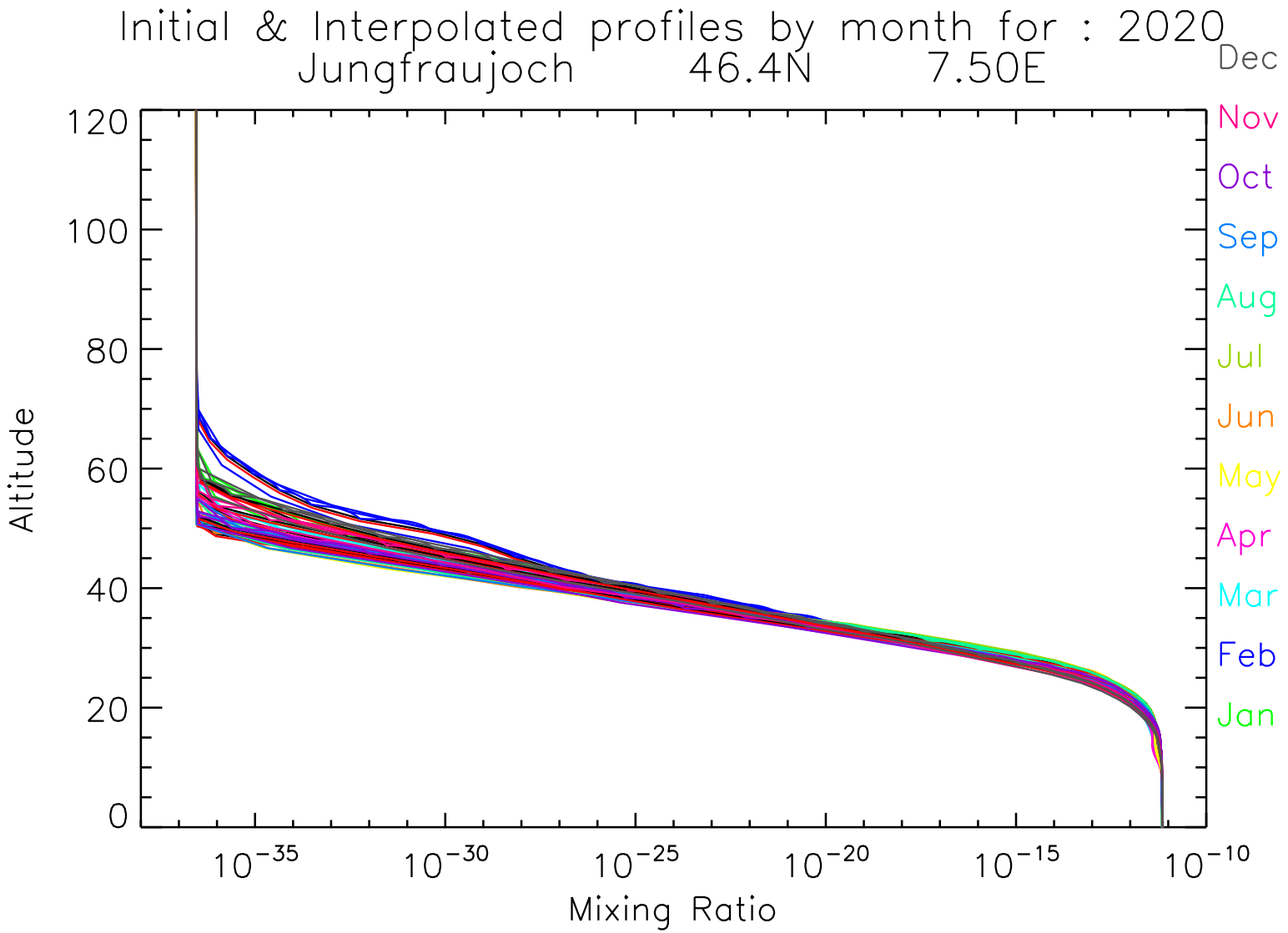

Initial & Interpolated profiles by month for : 2014
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

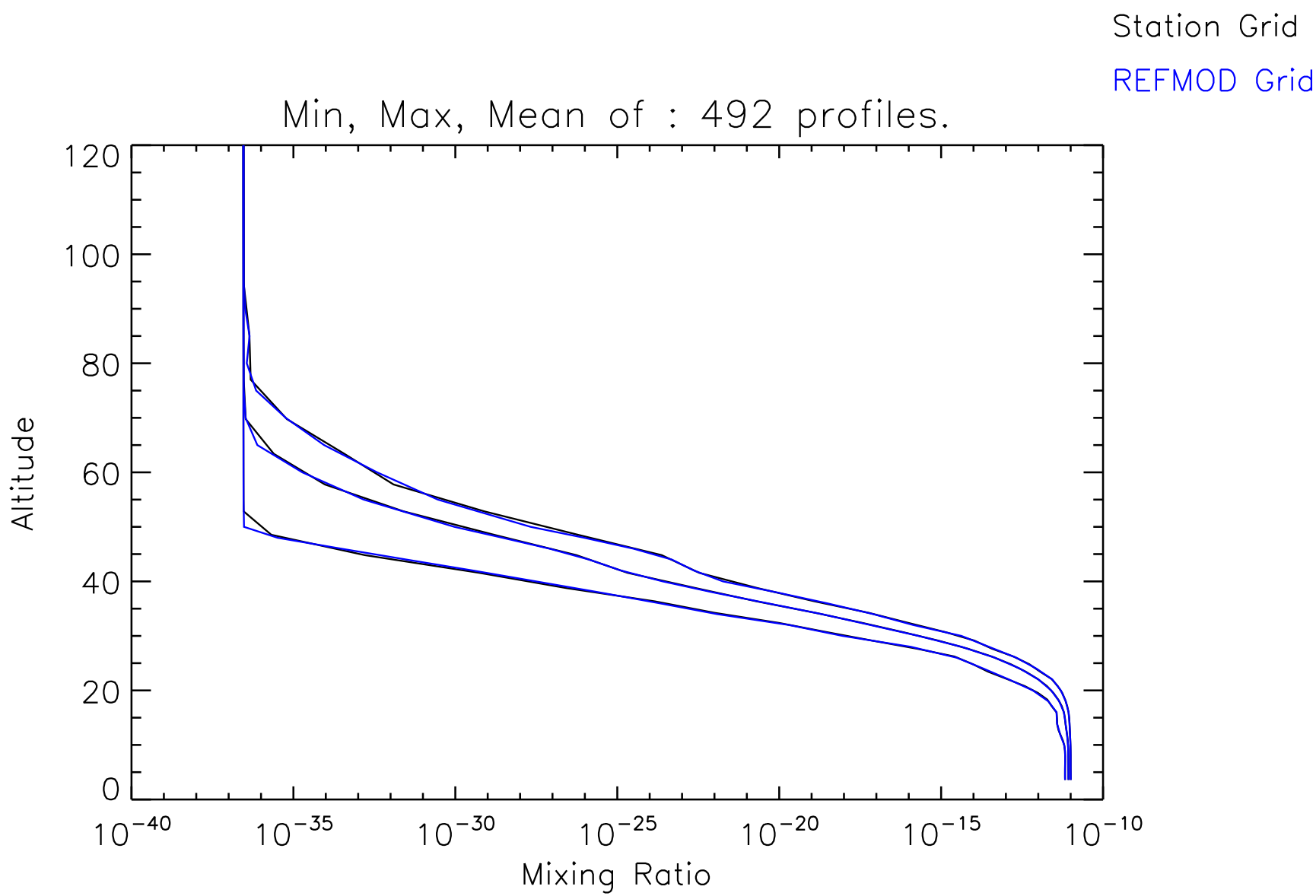

Initial & Interpolated profiles by month for : 2015
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

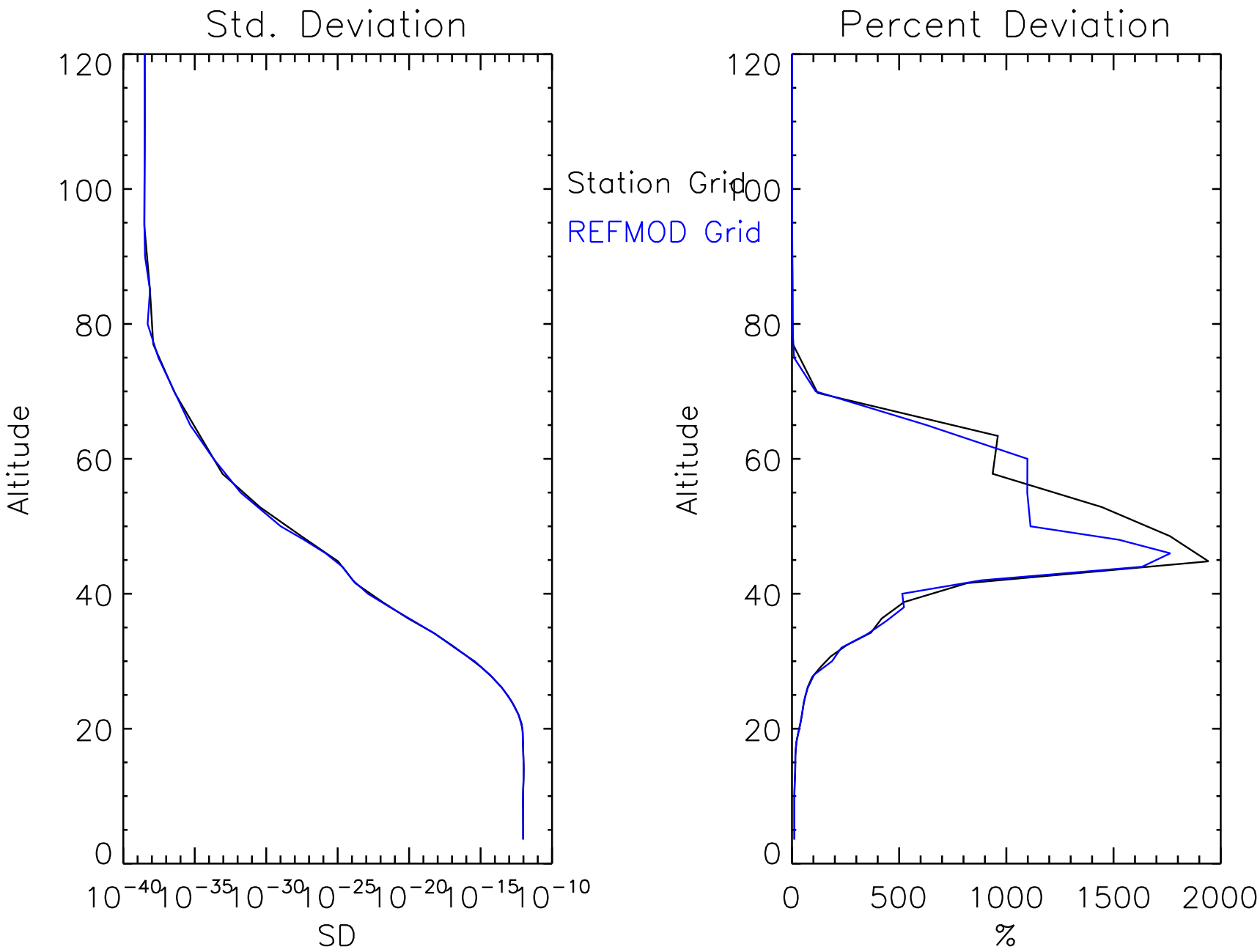

Initial & Interpolated profiles by month for : 2017
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

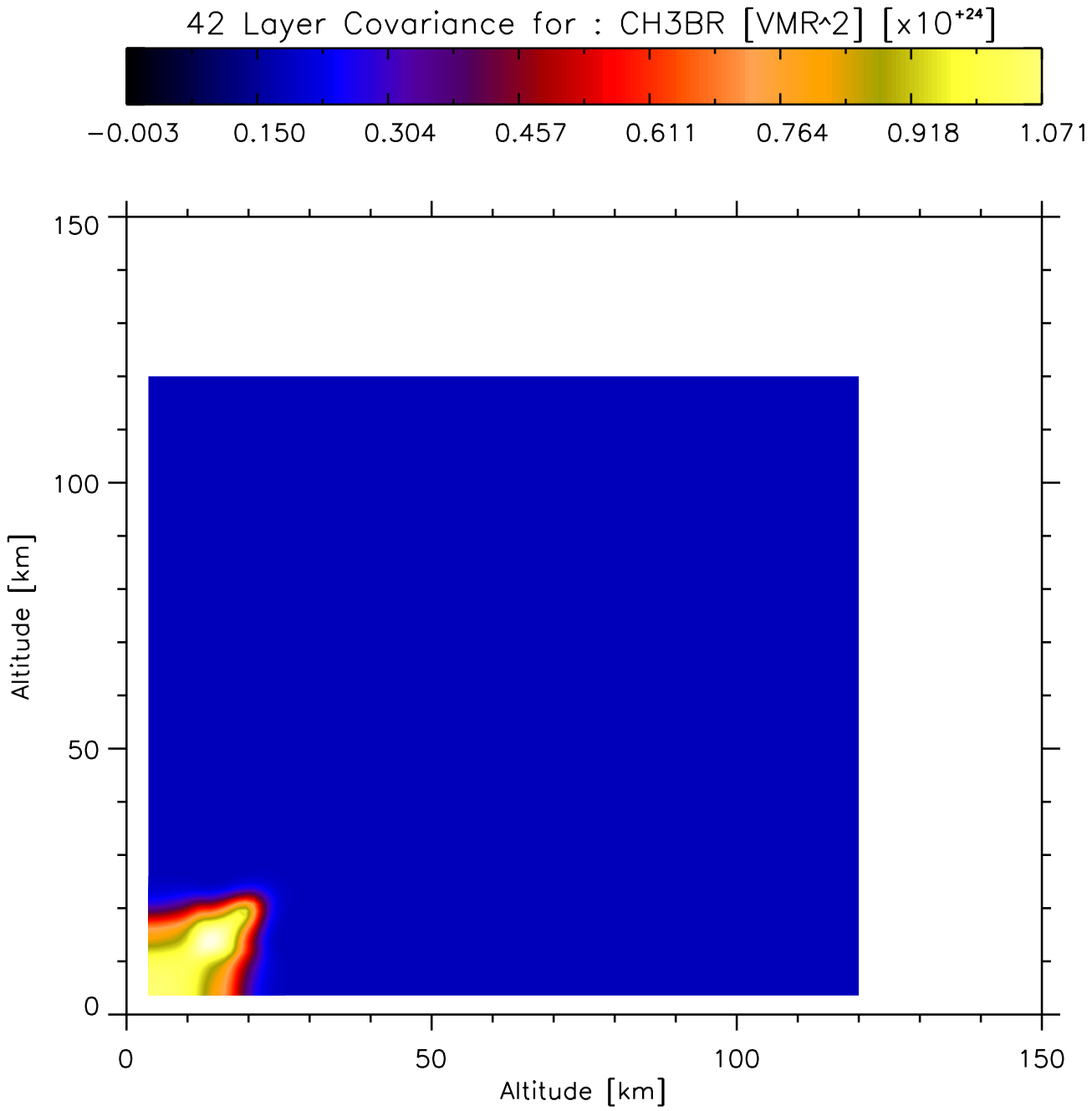

Initial & Interpolated profiles by month for : 2018
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

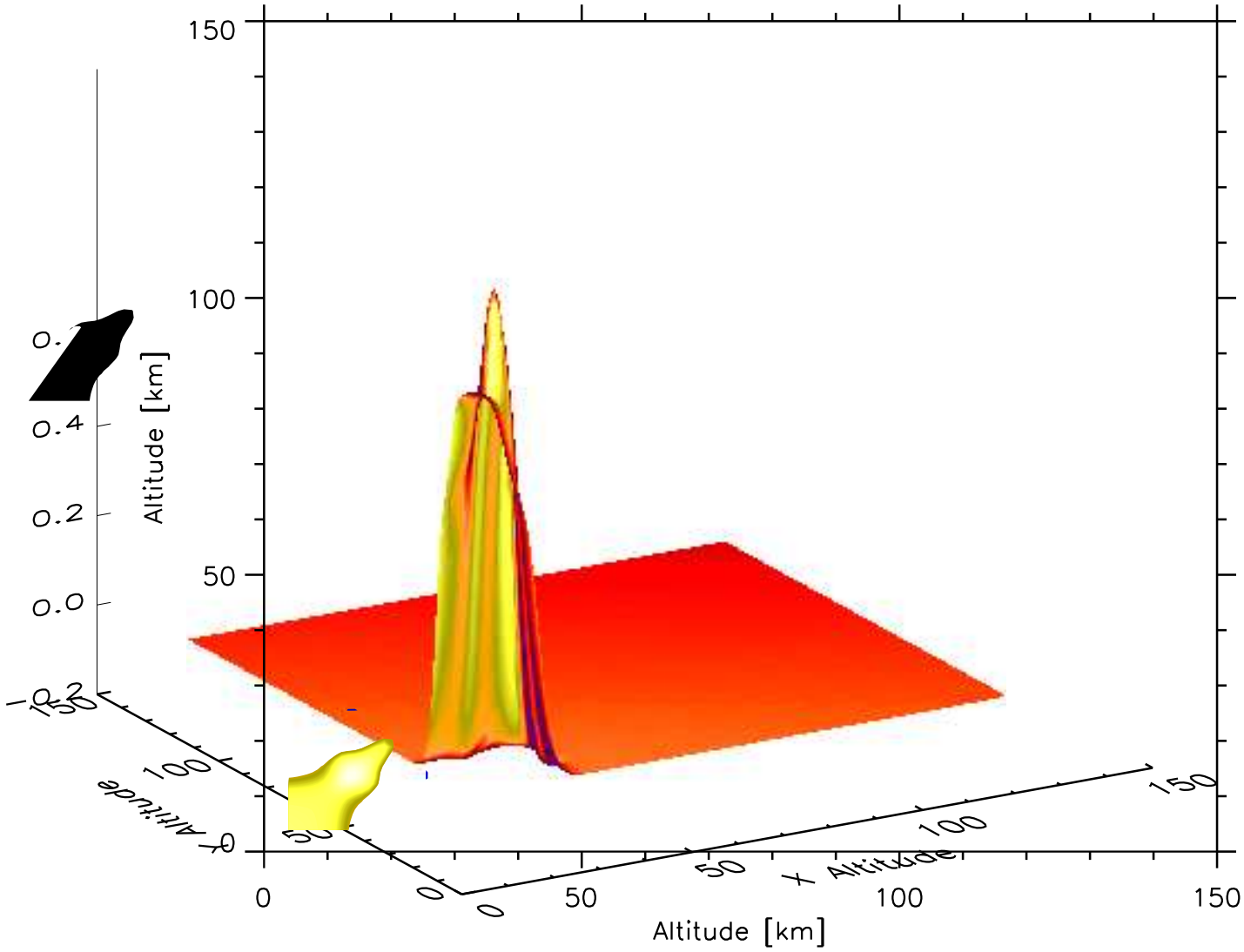

Initial & Interpolated profiles by month for : 2019
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2020
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-40}
10^{-35}
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-40} 10^{-35} 10^{-30} 10^{-25} 10^{-20} 10^{-15} 10^{-10}
SD
0
500
1000
1500
2000
%


42 Layer Covariance for : CH3BR [VMR^2] [x10^+24]
−0.003
0.150
0.304
0.457
0.611
0.764
0.918
1.071
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


150
100
50
0
0.6
0.4
0.2
0.0
-0.2
Altitude [km]
0
50
100
150
Altitude [km]
y Altitude
x Altitude

41 Level Covariance for : CH3BR [VMR^2] [x10^+24]
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
100
50
0
0
50
X Altitude
100
150