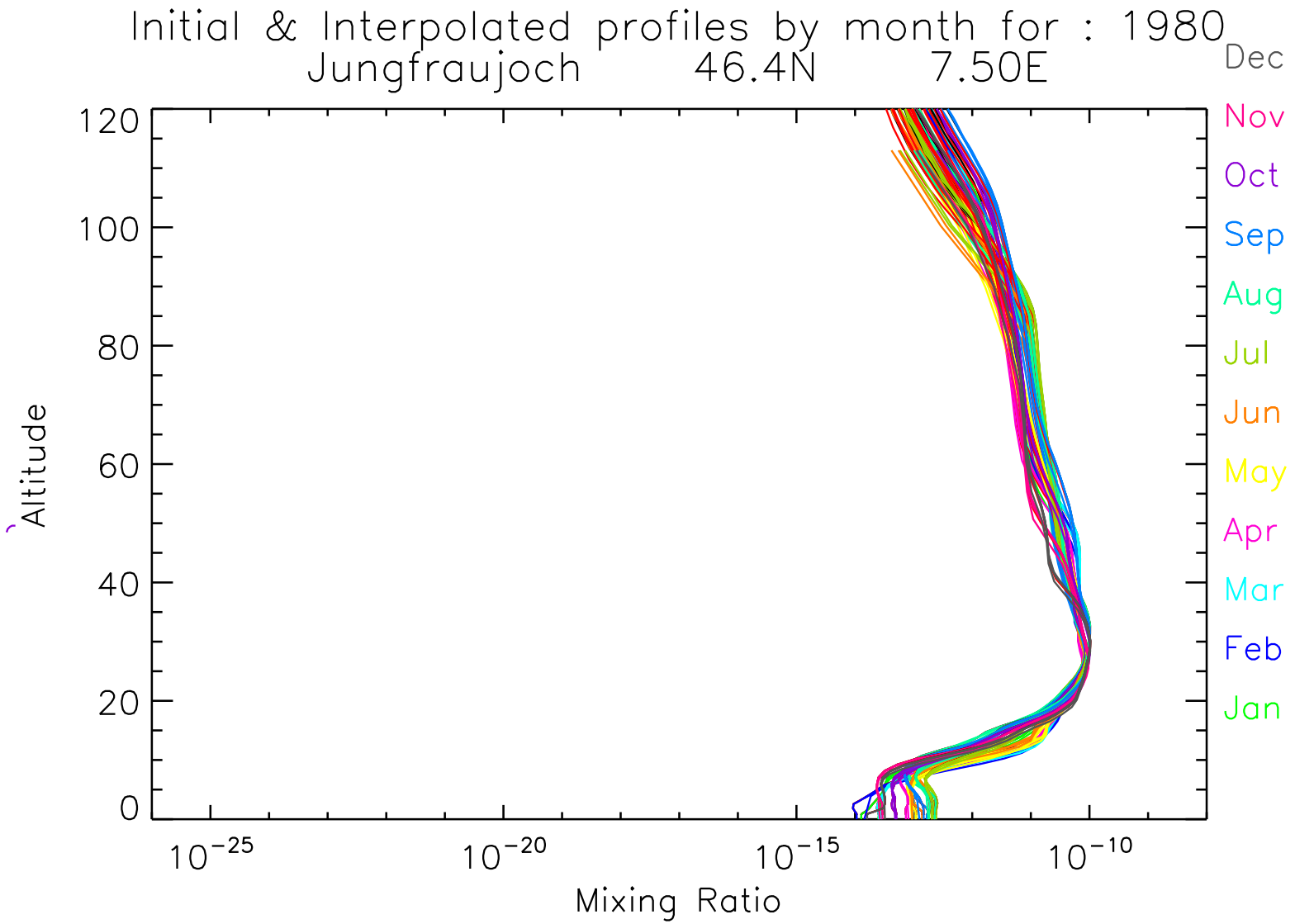
Initial & Interpolated profiles by month for : 1980
Jungfraujoch 46.4N 7.50E
Dec
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120
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Altitude
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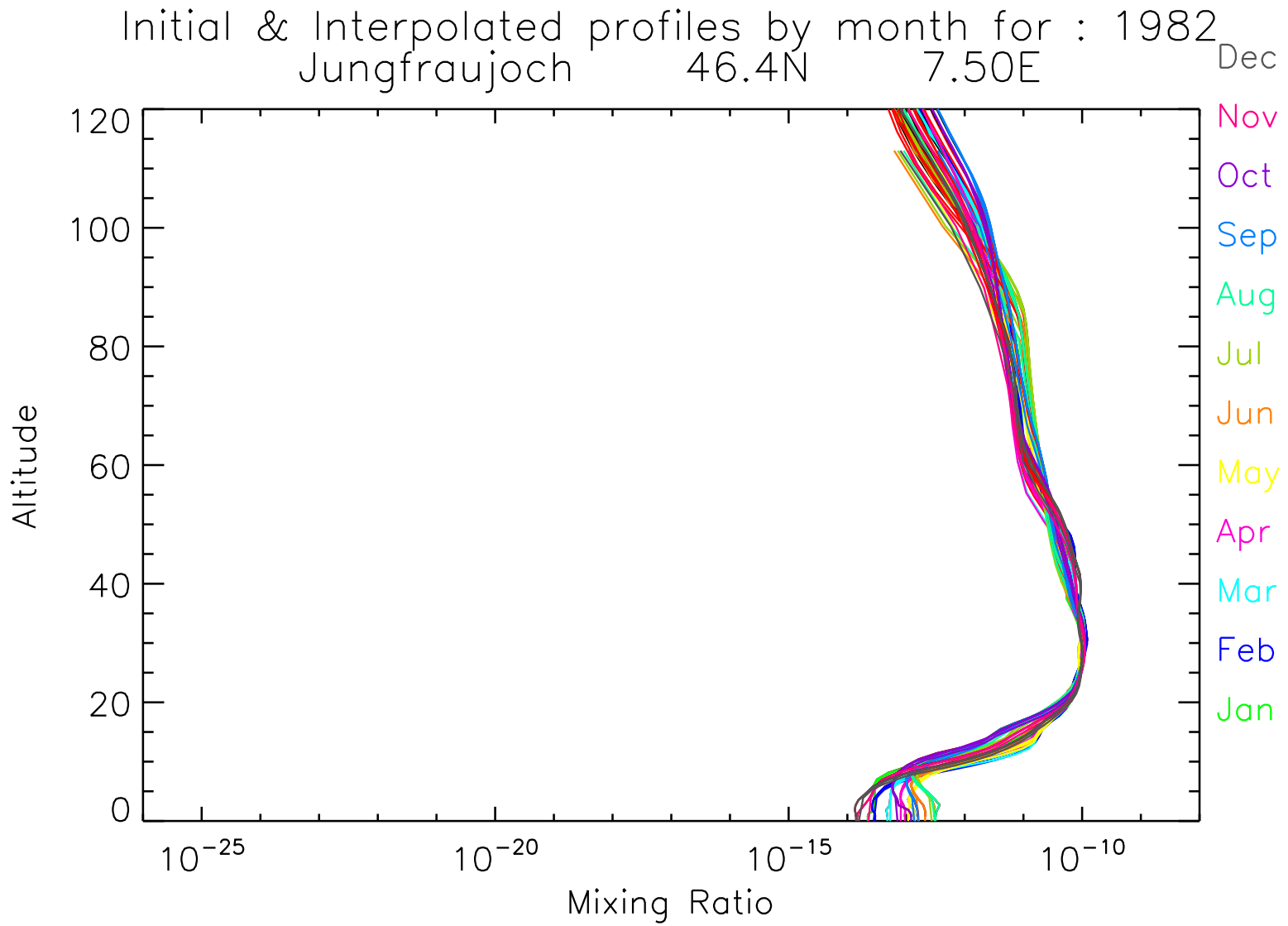
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
10^{-25}
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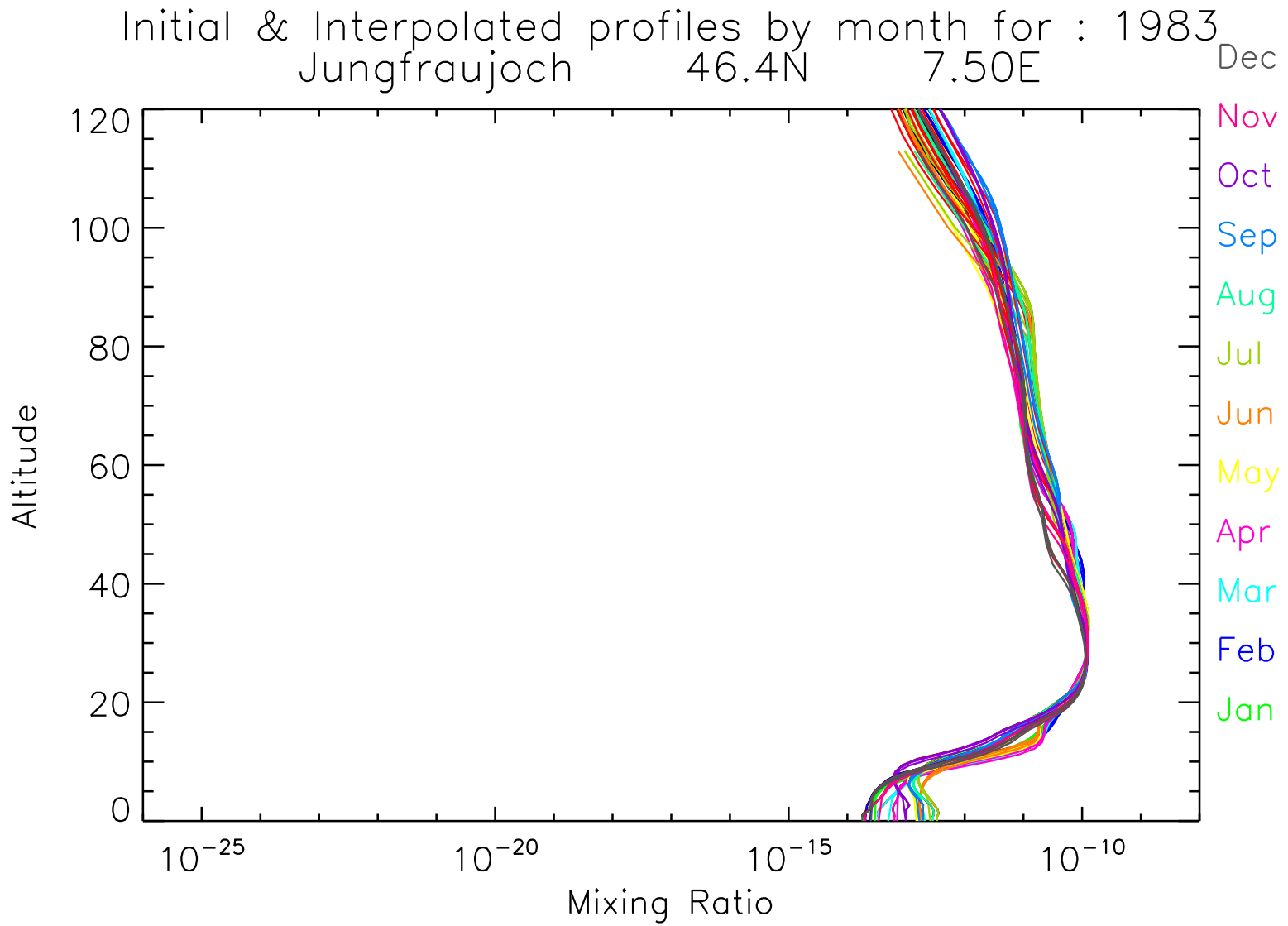
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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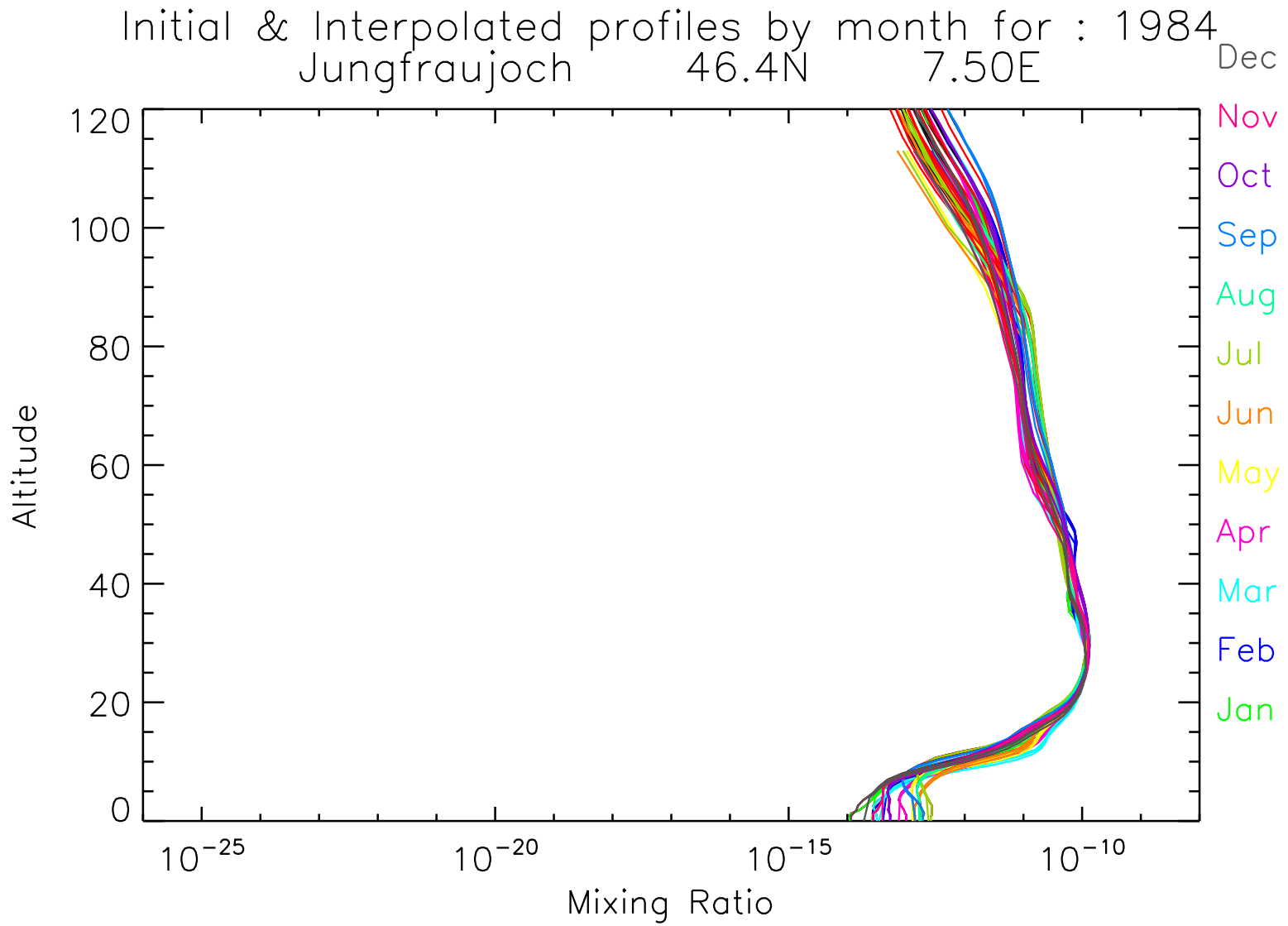
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
10^{-25}
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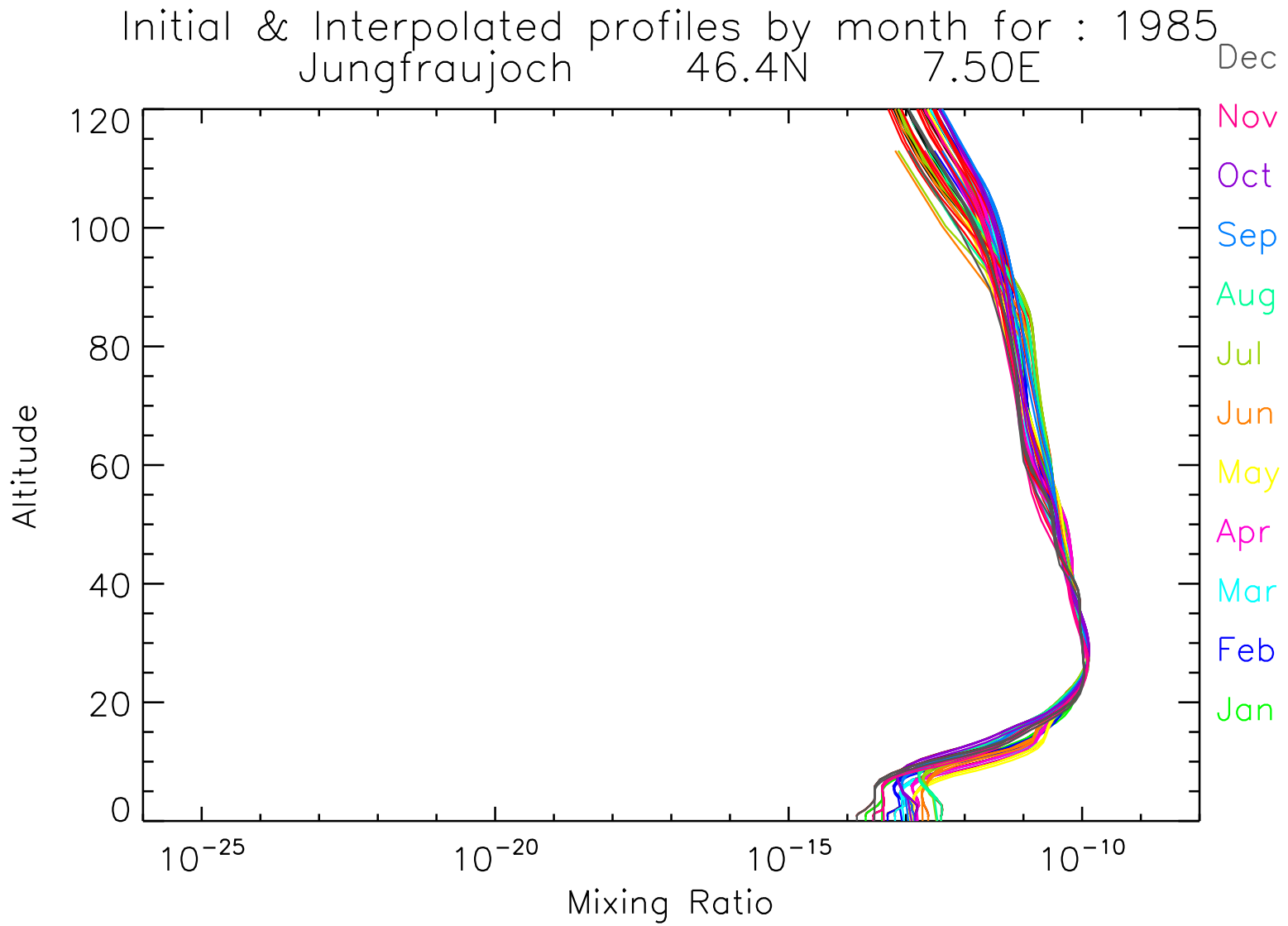
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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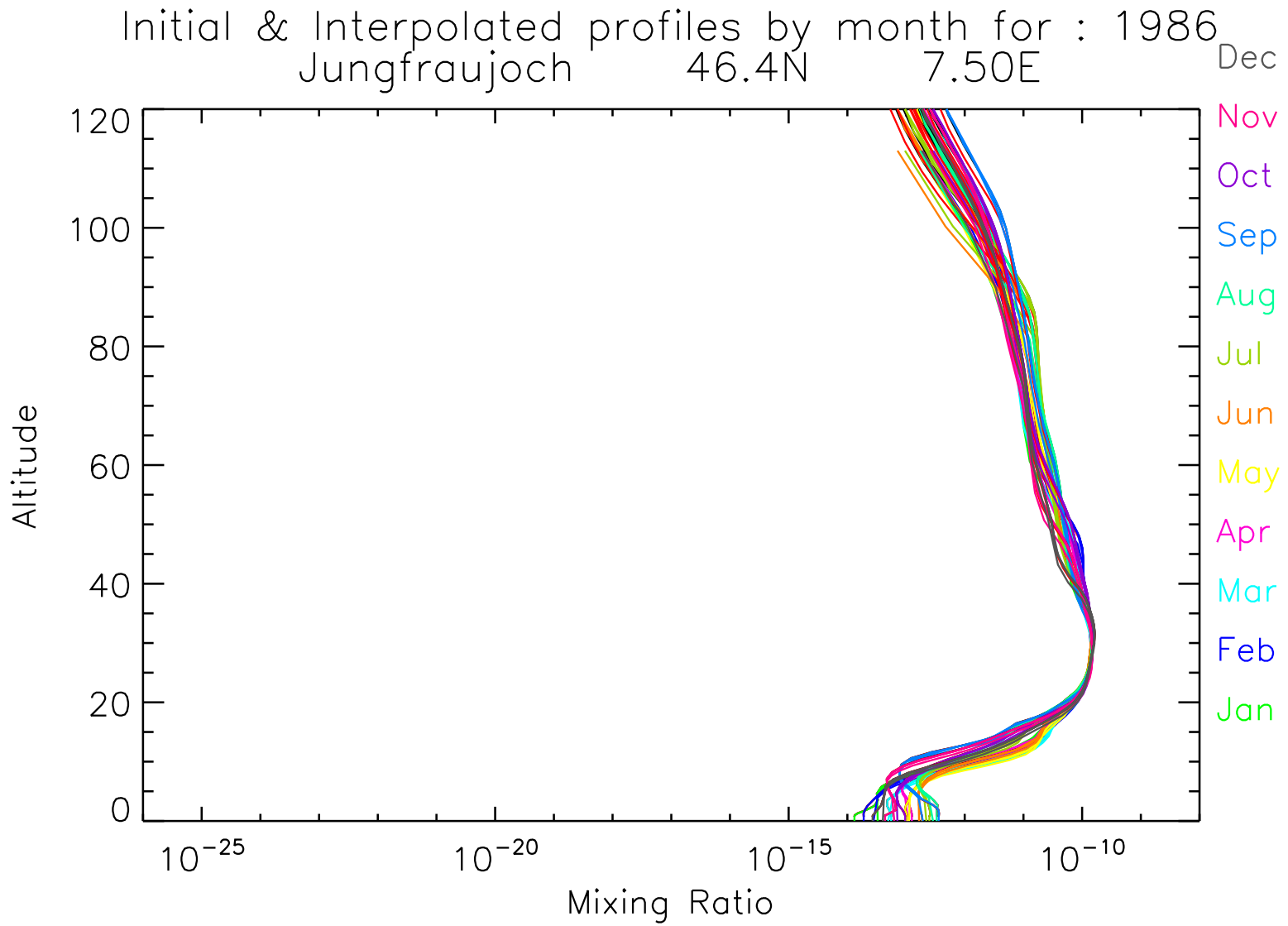
10^{-10}
Mixing Ratio


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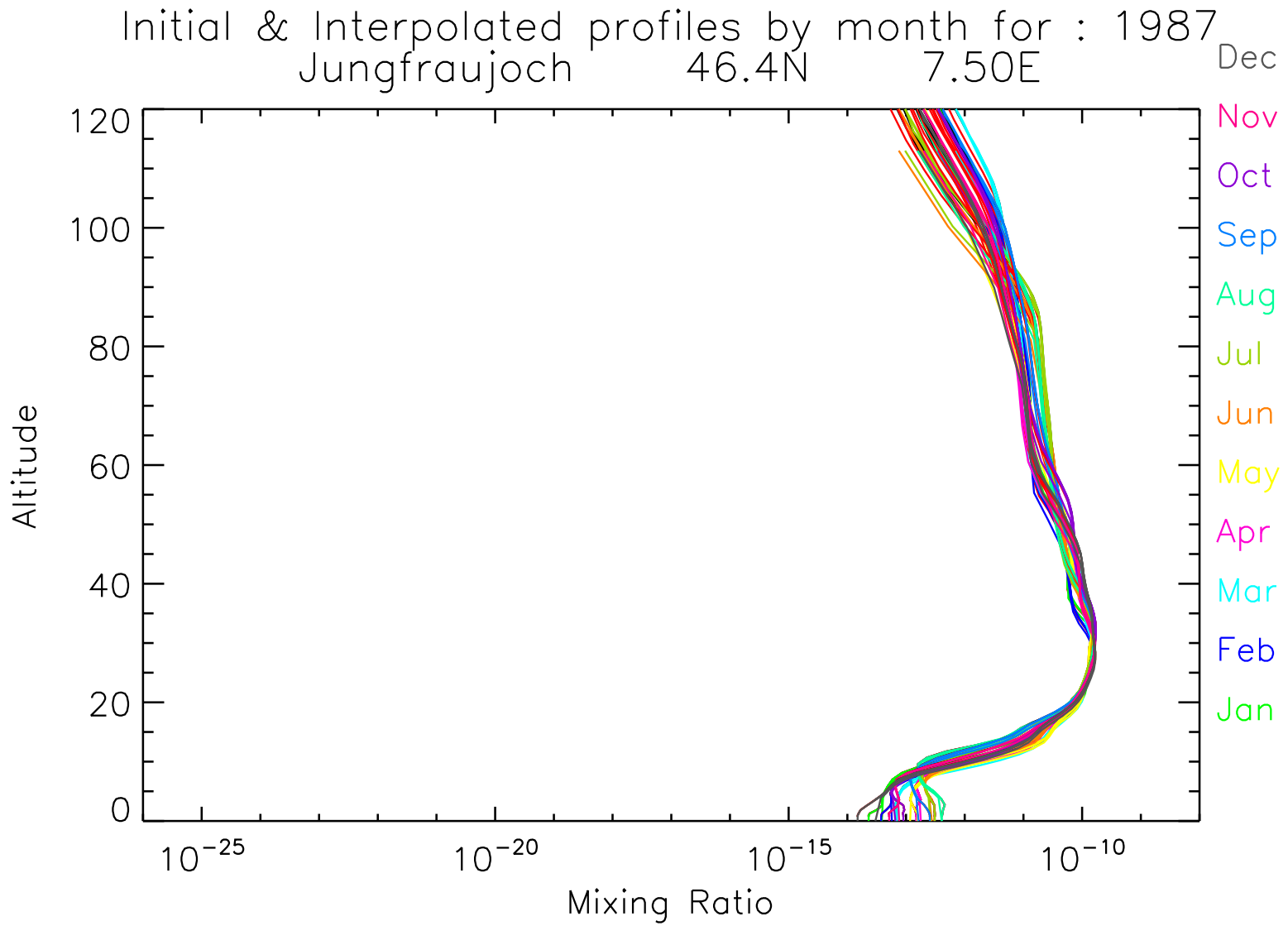
Mixing Ratio


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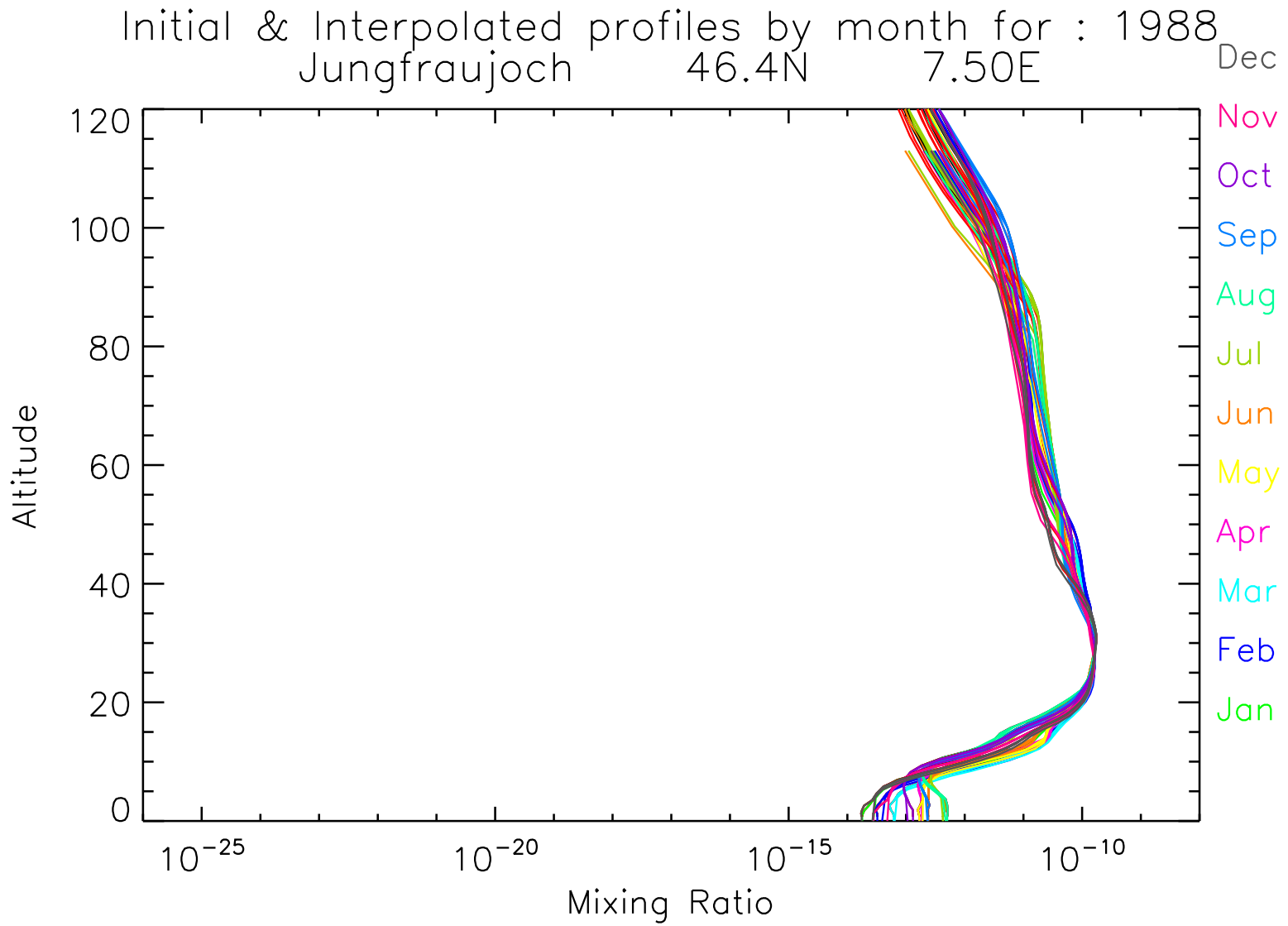
Mixing Ratio


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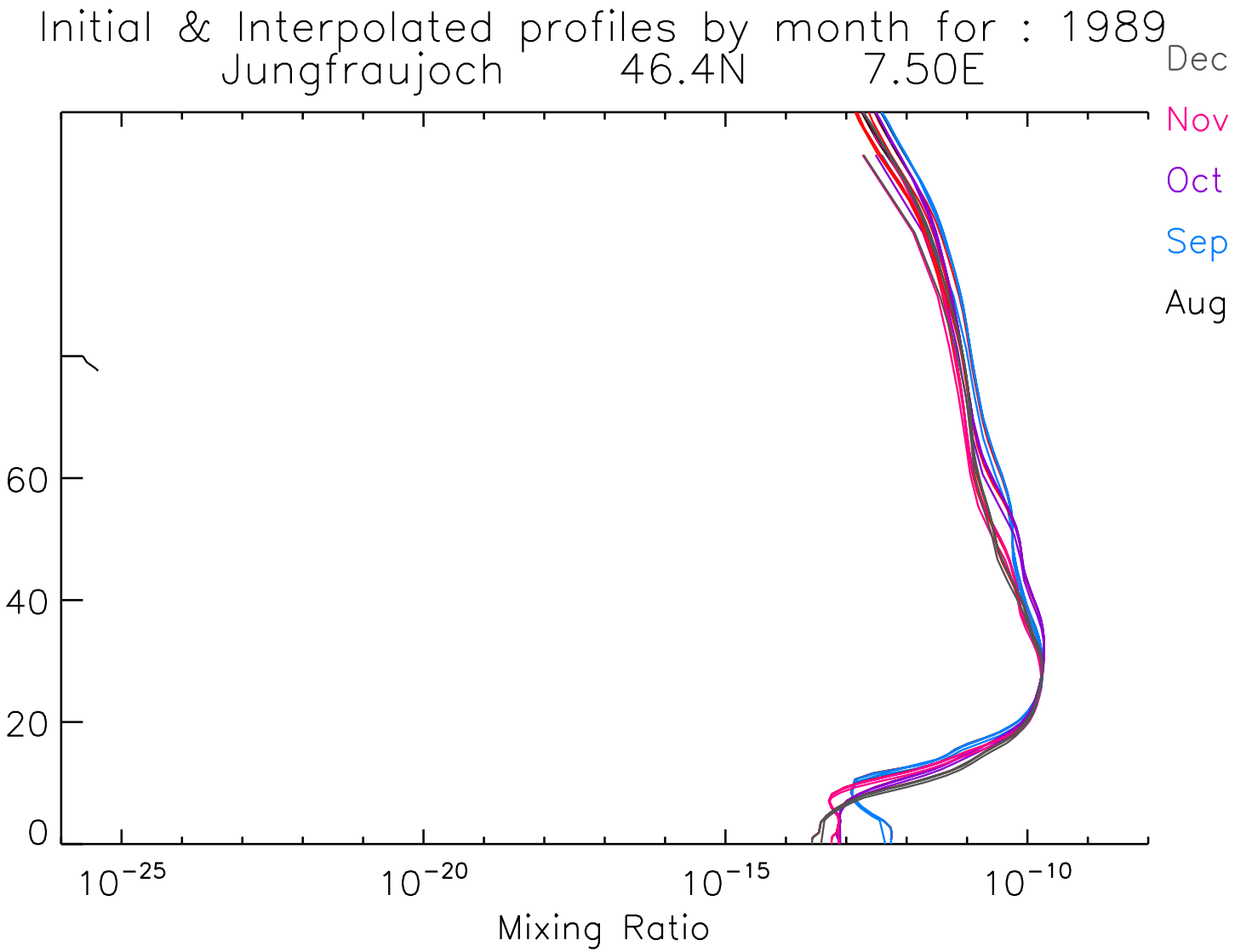
Mixing Ratio


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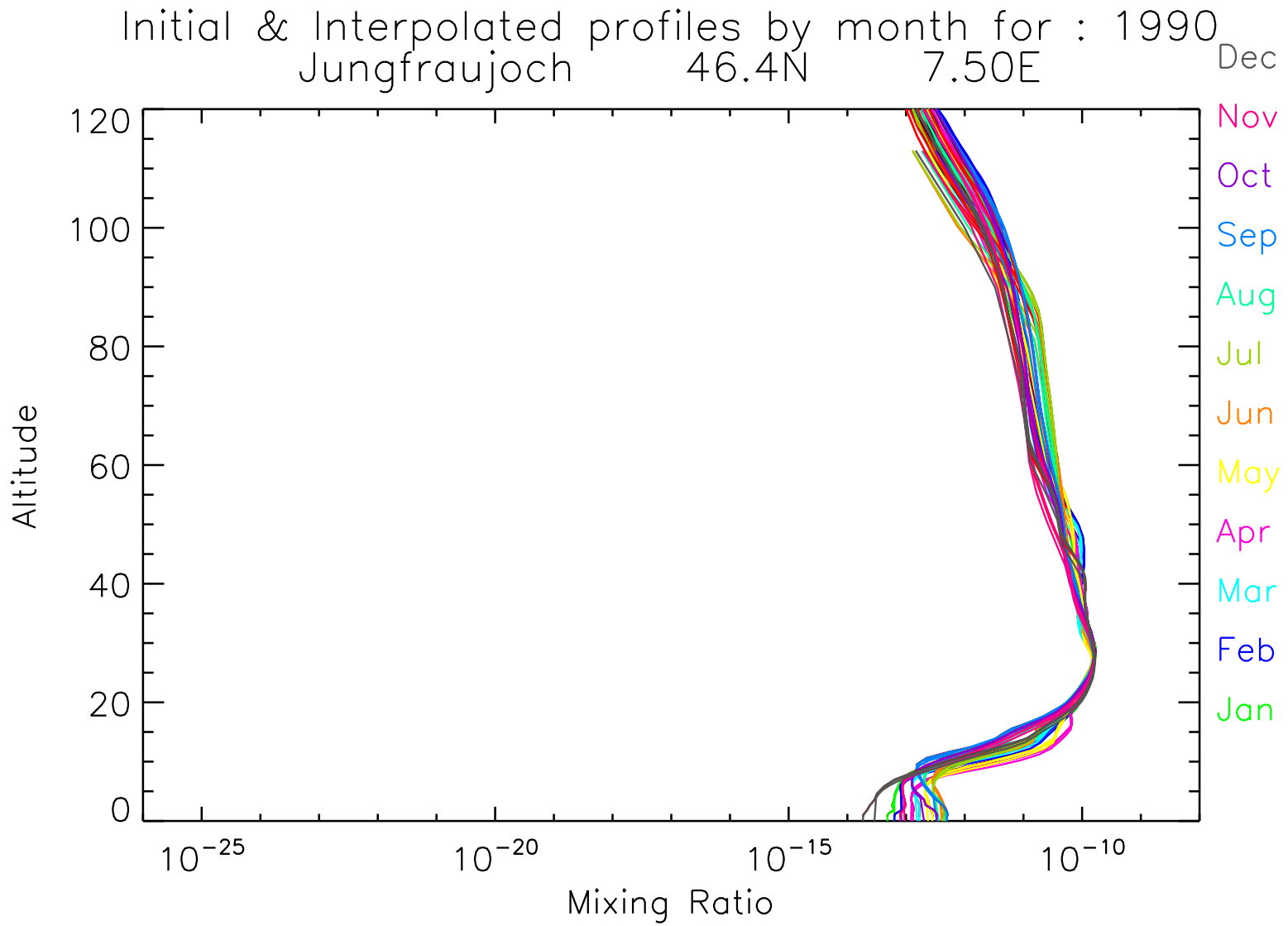
Mixing Ratio


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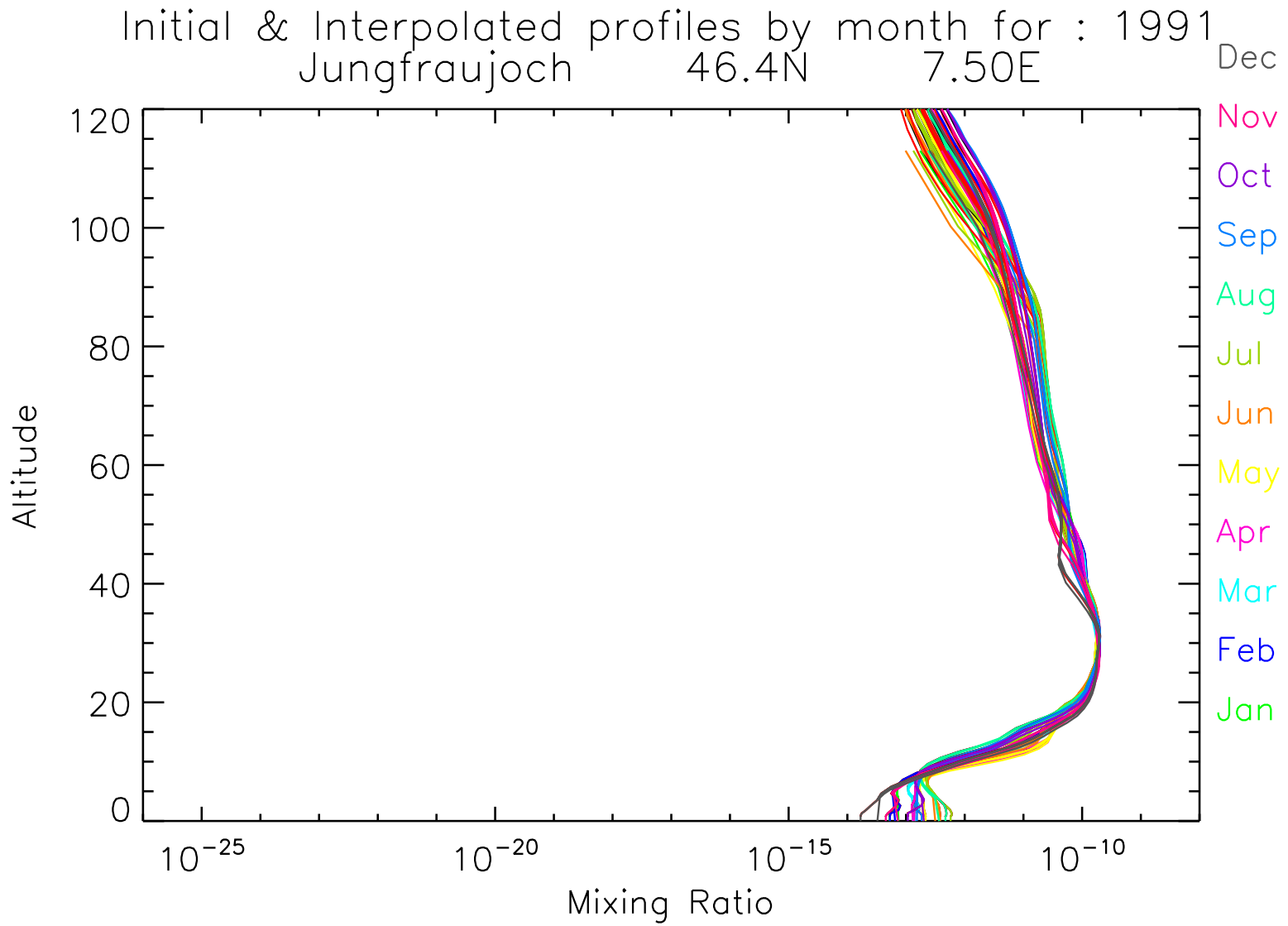
Mixing Ratio


Initial & Interpolated profiles by month for : 1991
Jungfraujoch 46.4N 7.50E
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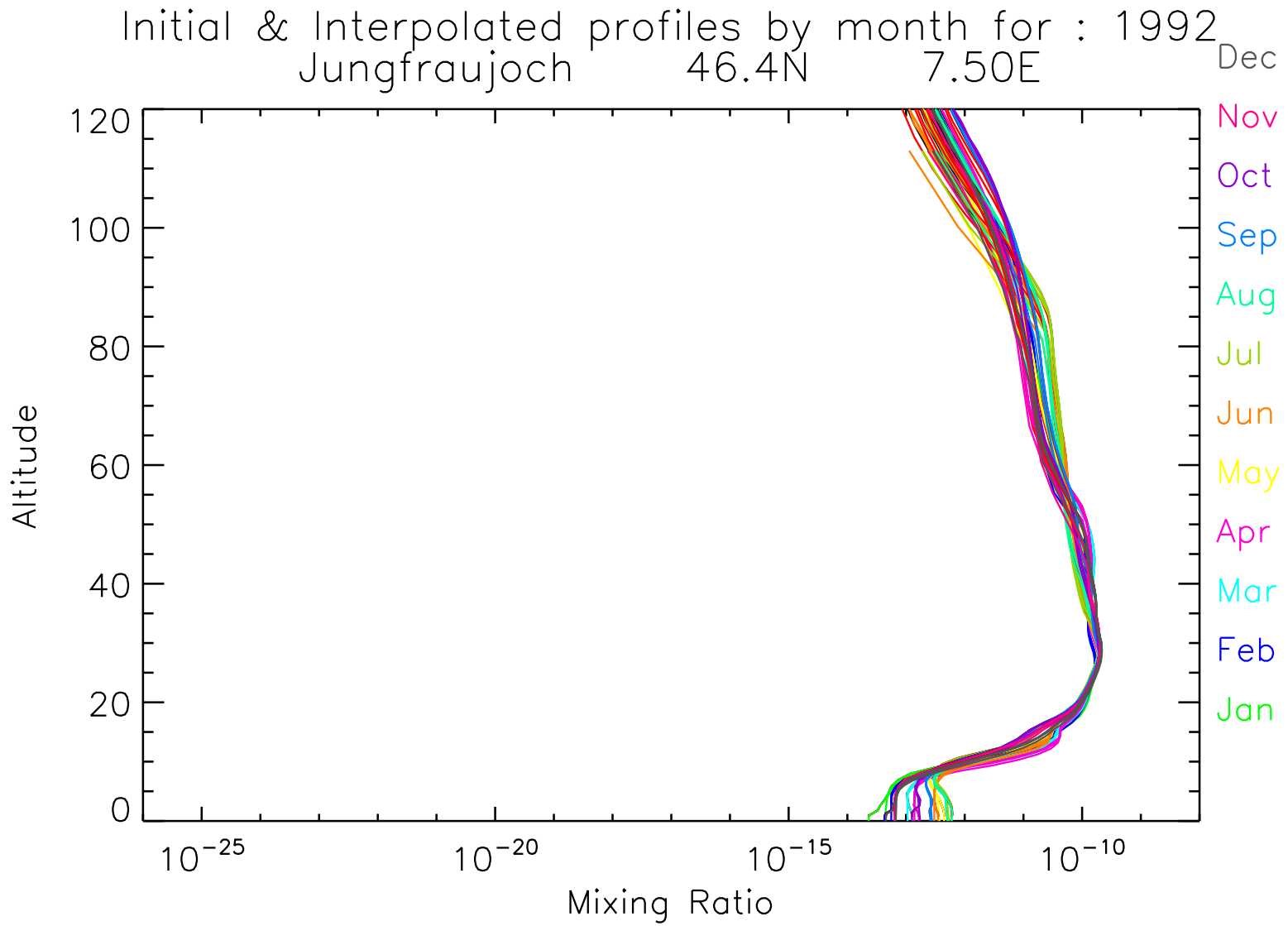
10^{-10}
Mixing Ratio


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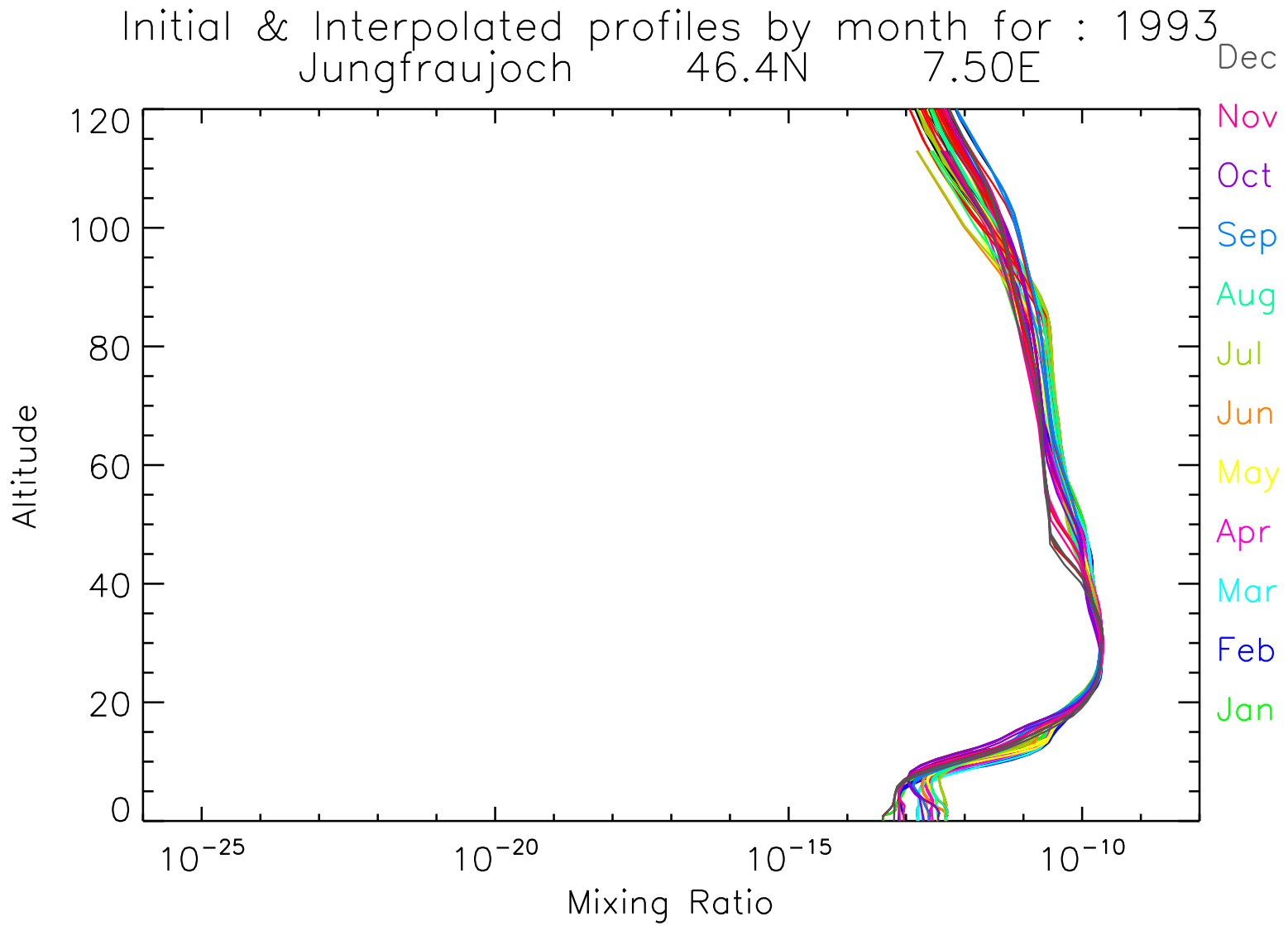
Mixing Ratio


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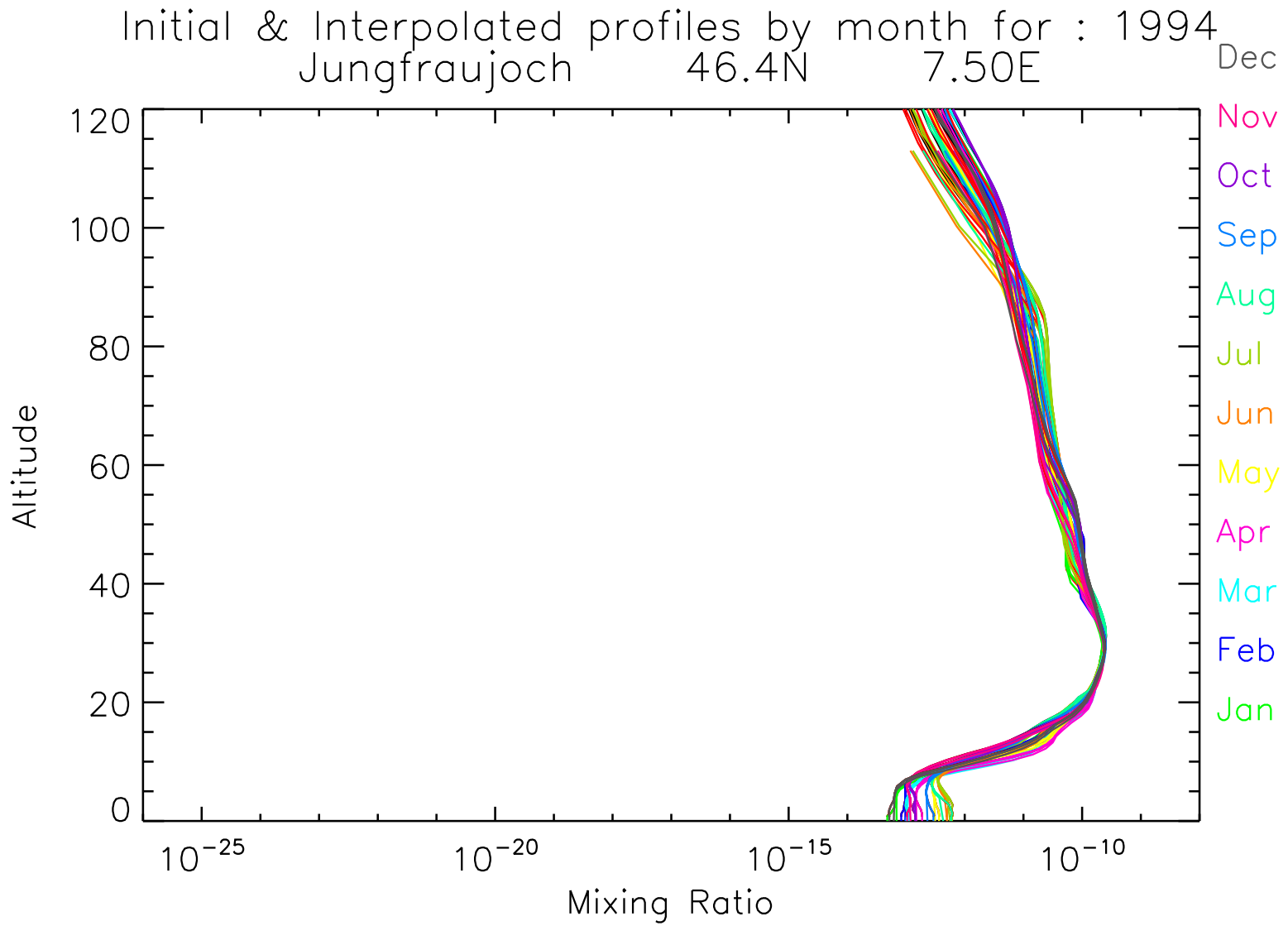
Mixing Ratio


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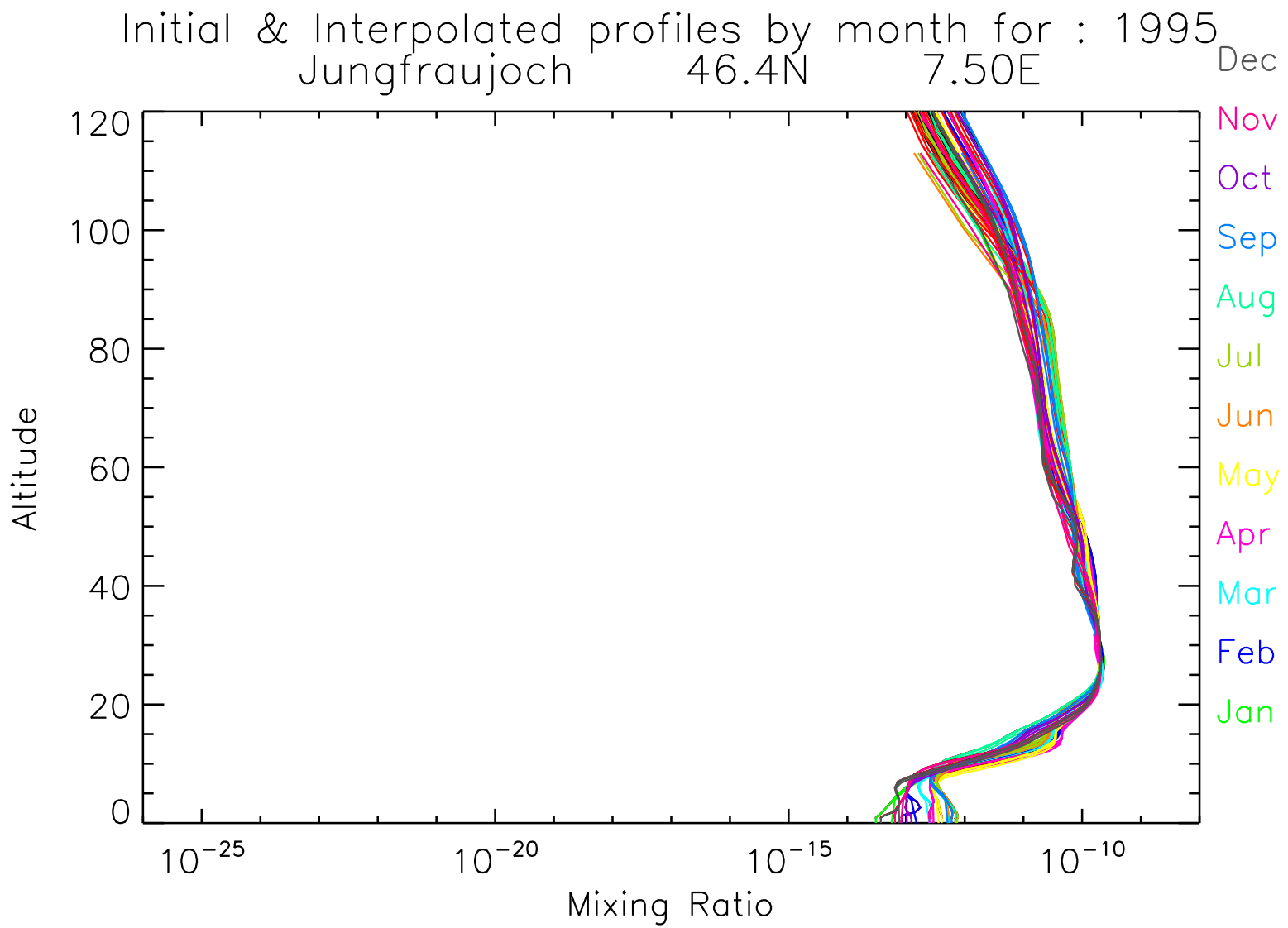
Mixing Ratio


Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
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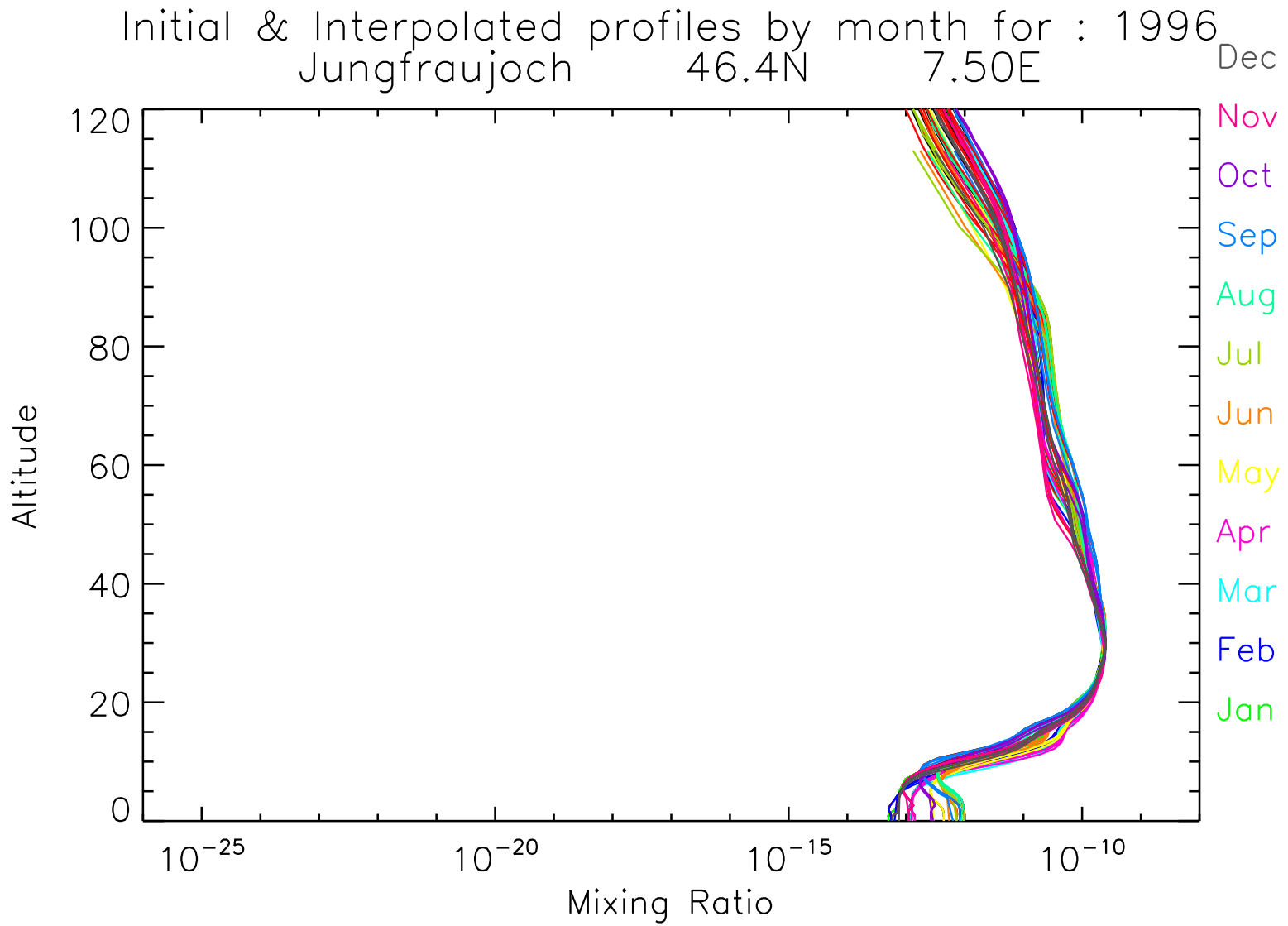
Mixing Ratio


Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
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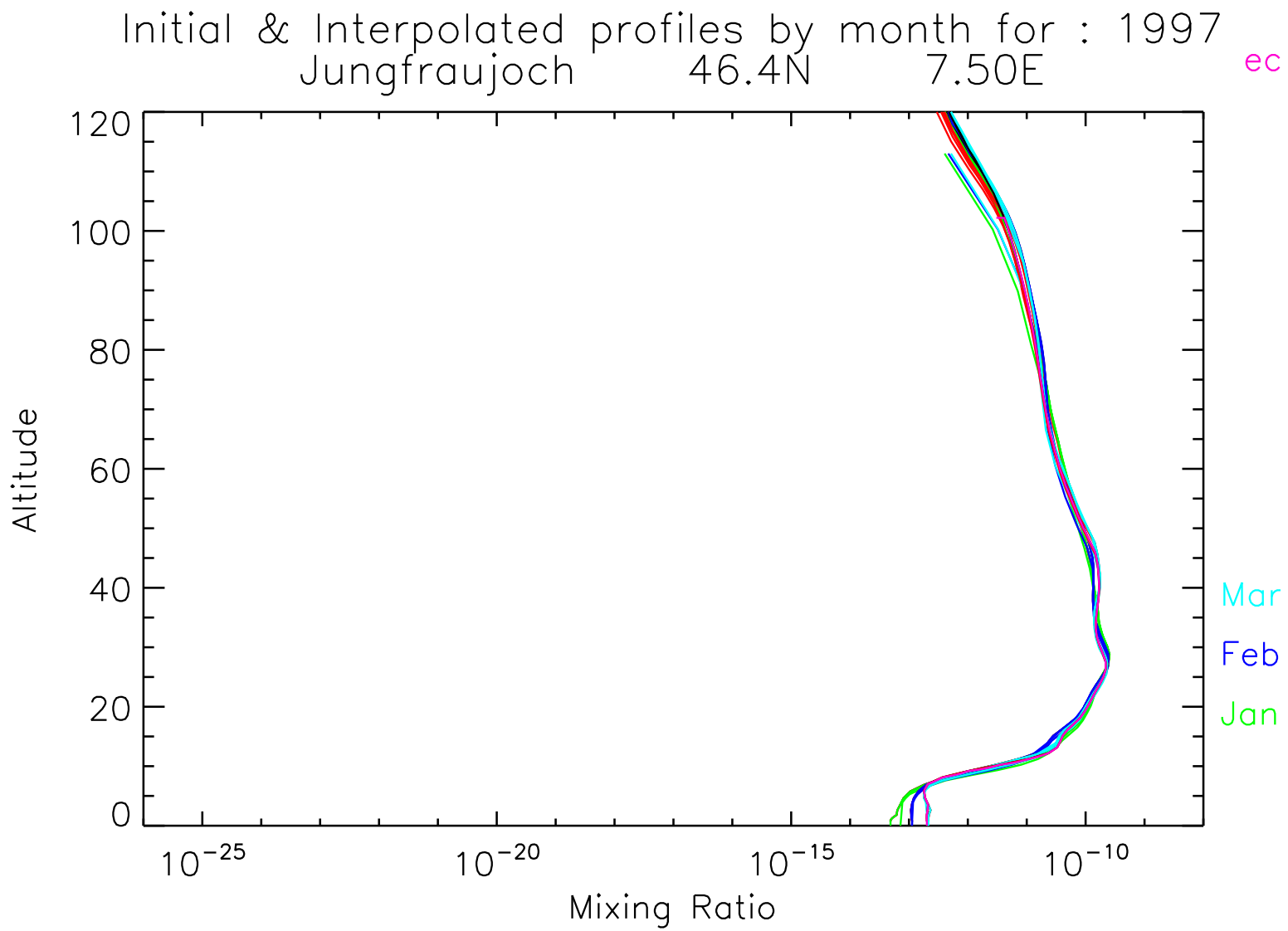
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Jungfraujoch 46.4N 7.50E
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Mixing Ratio
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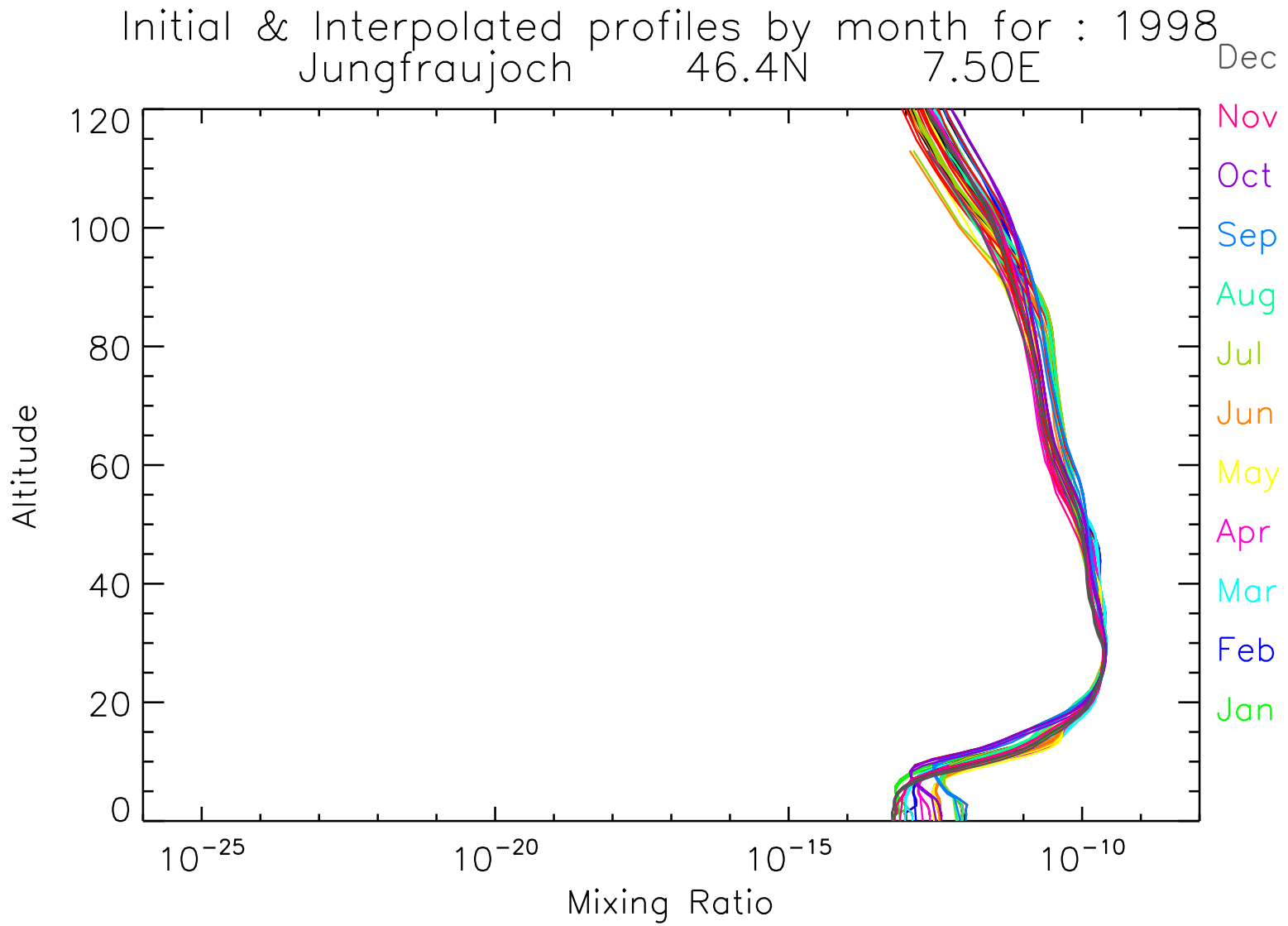
Feb
Jan


Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
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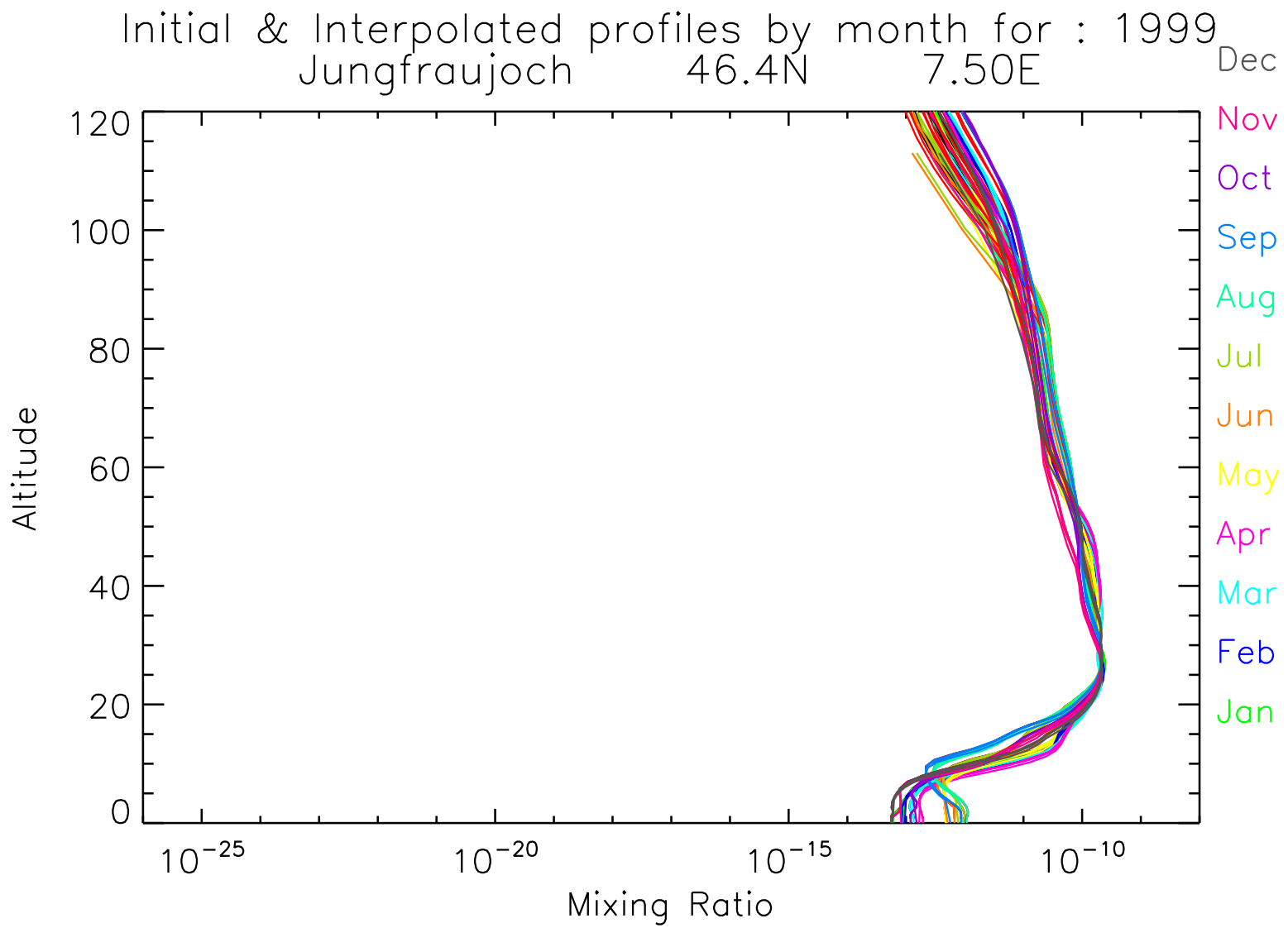
Mixing Ratio


Initial & Interpolated profiles by month for : 1999
Jungfraujoch 46.4N 7.50E
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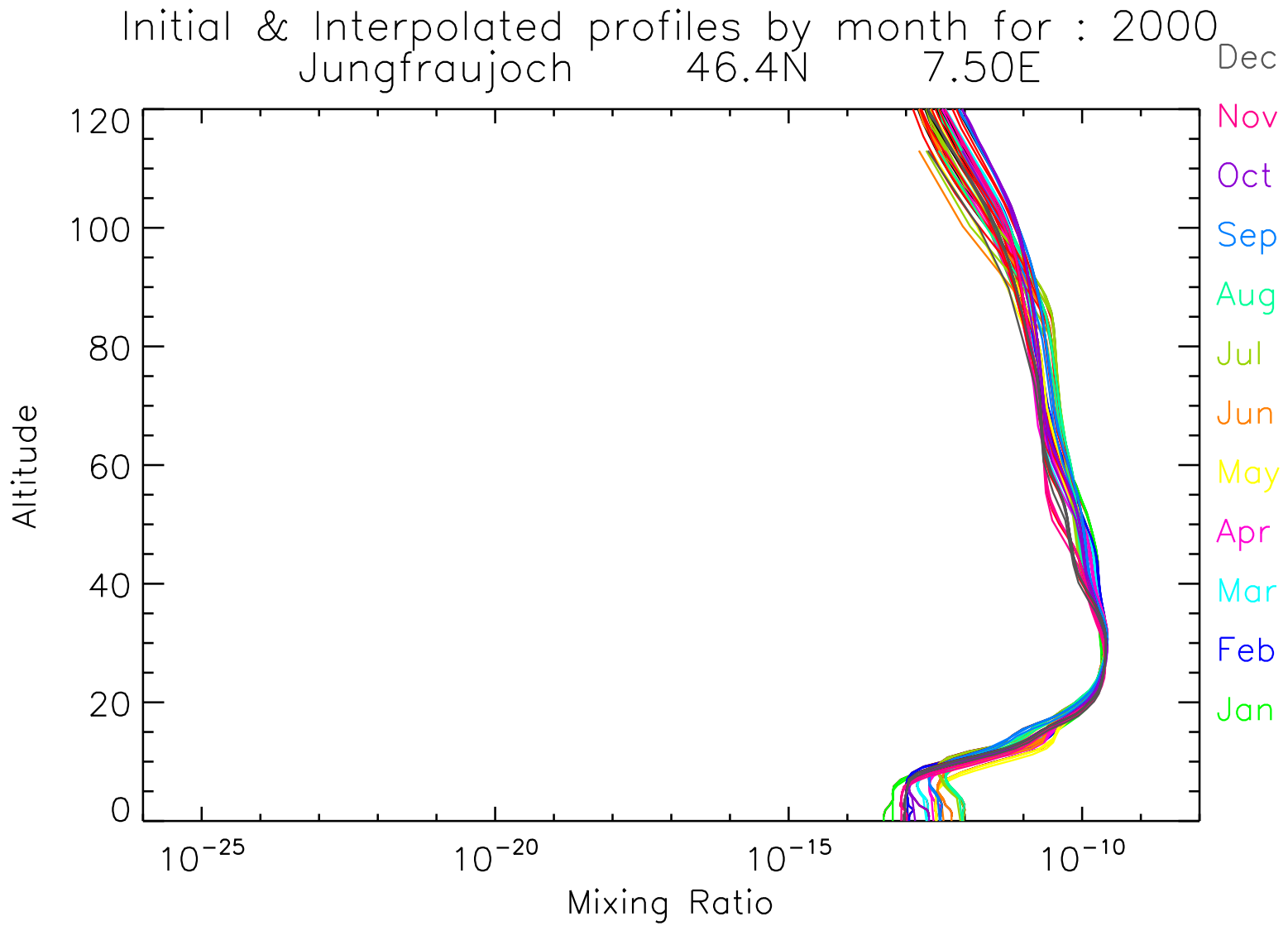
Mixing Ratio


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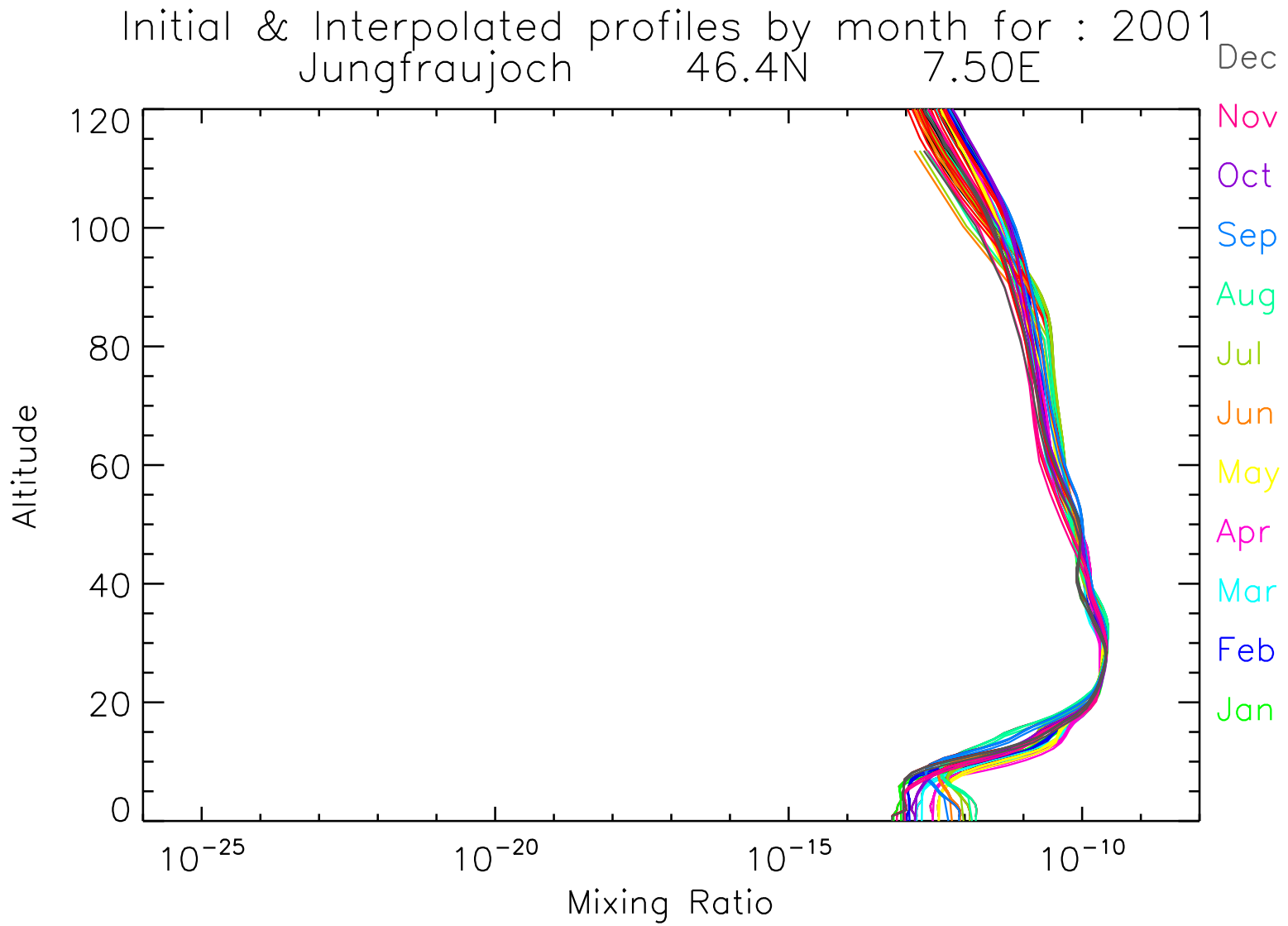
10^{-10}
Mixing Ratio


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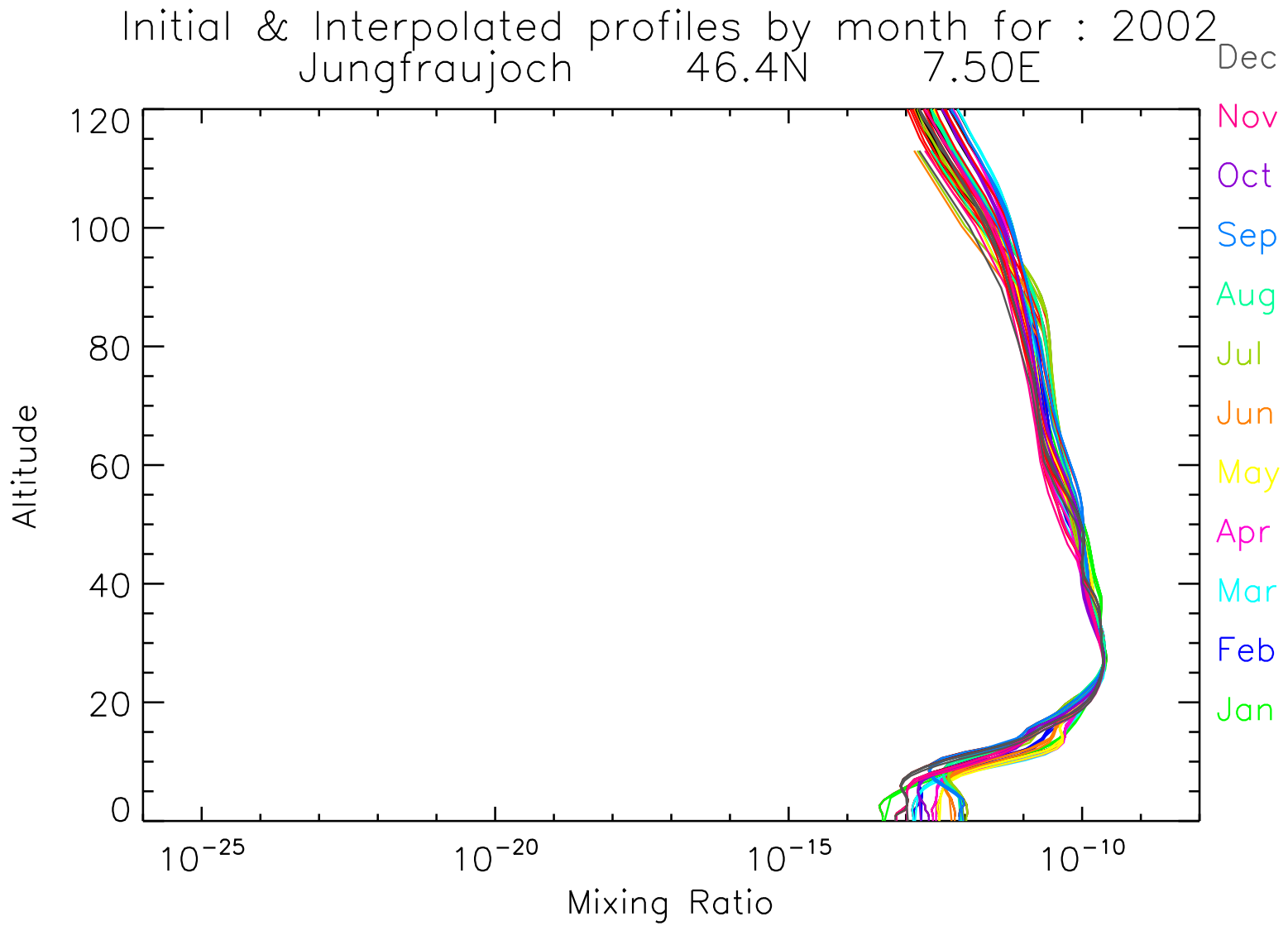
10^{-15}
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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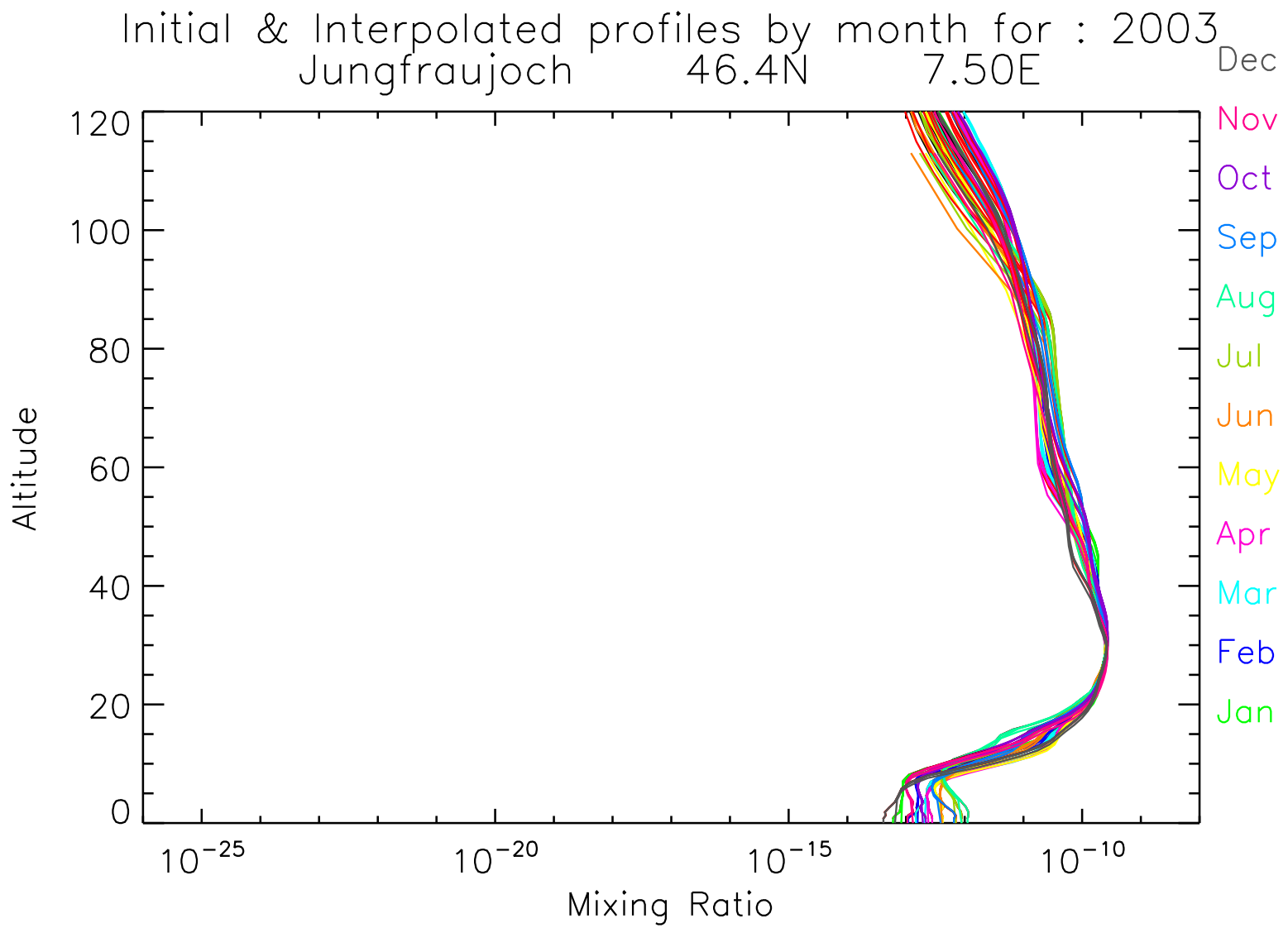
10^{-10}
Mixing Ratio


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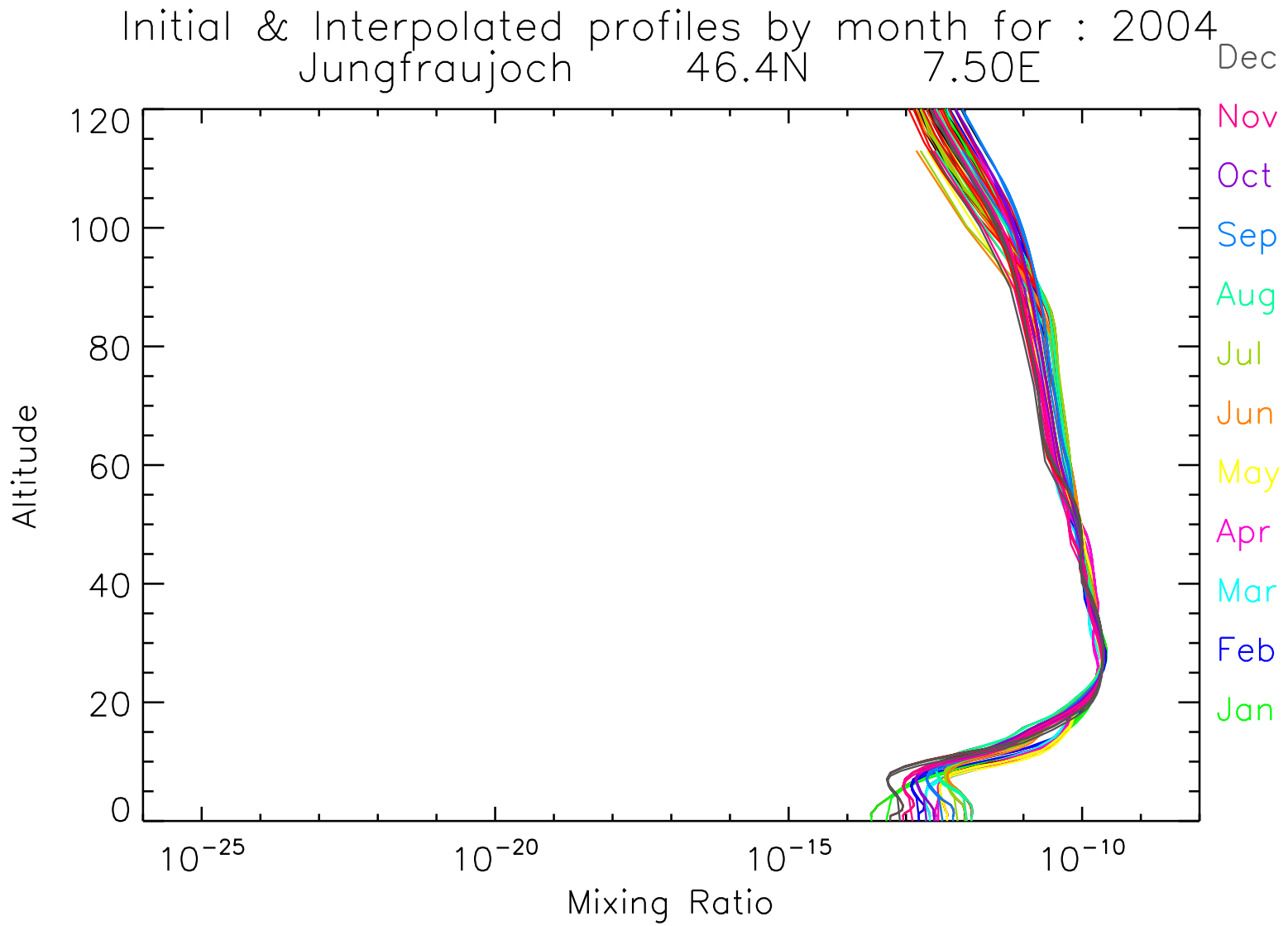
10^{-10}
Mixing Ratio


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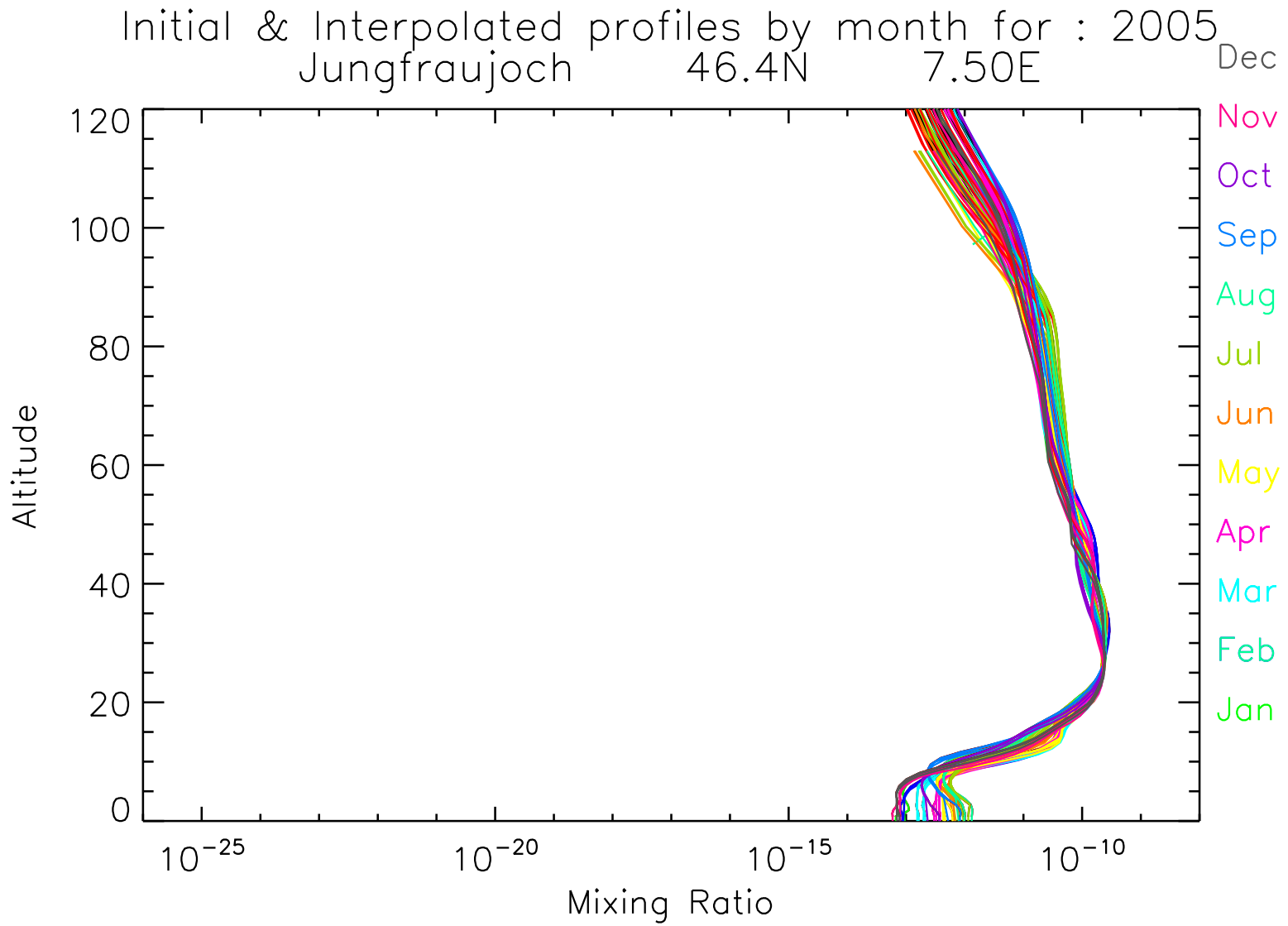
10^{-15}
10^{-10}
Mixing Ratio


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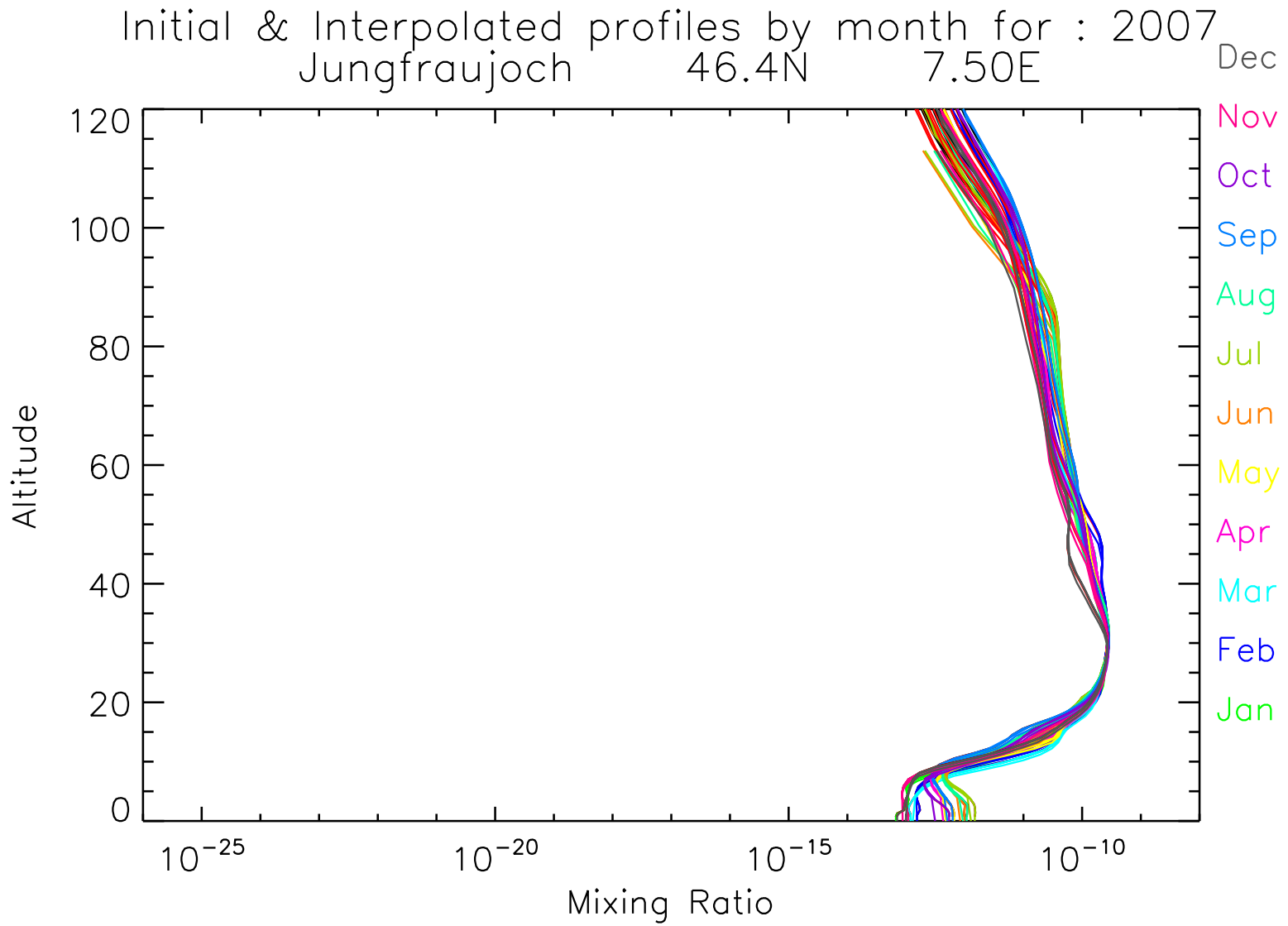
10^{-10}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Altitude
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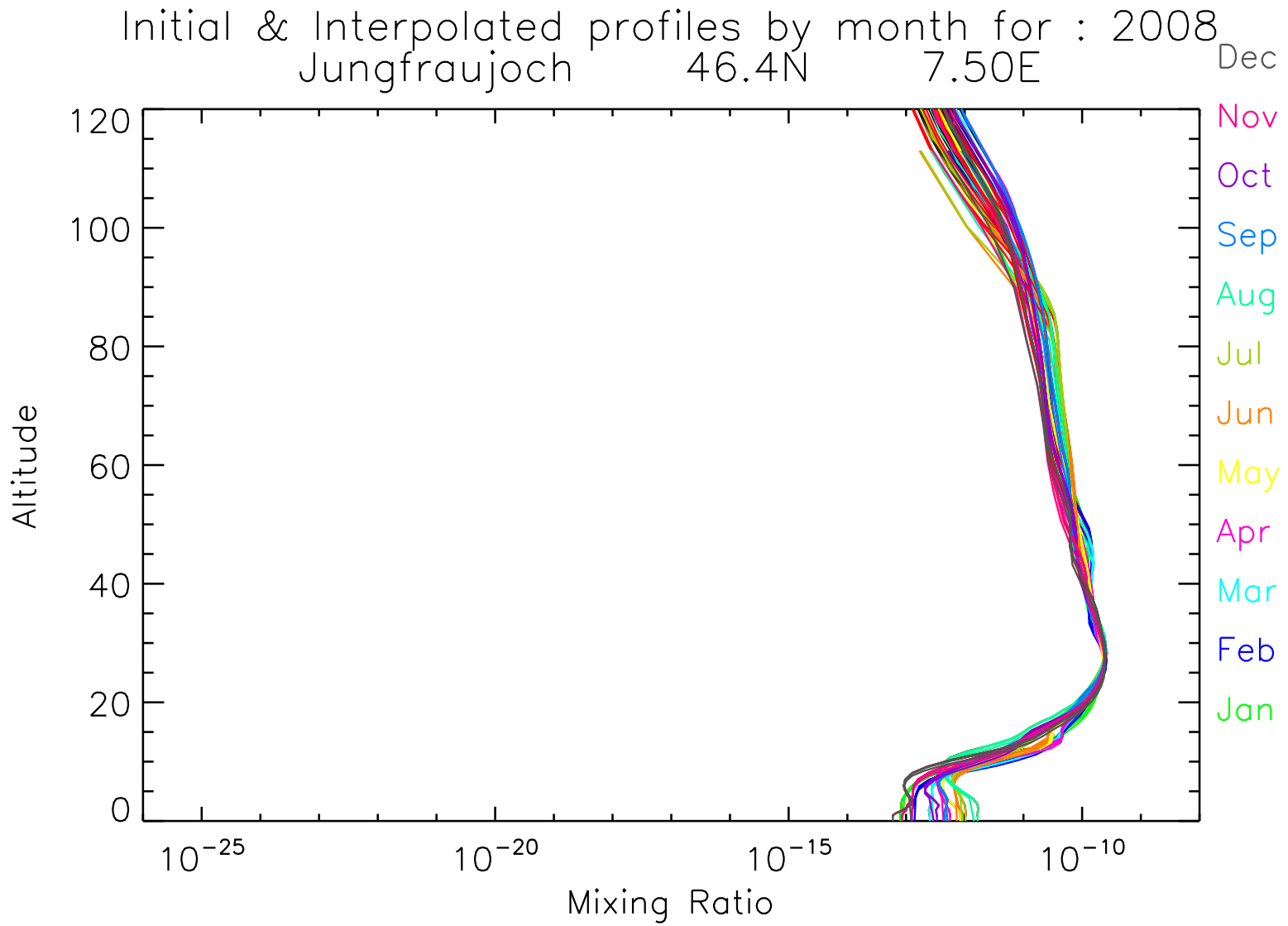
10^{-10}
Mixing Ratio


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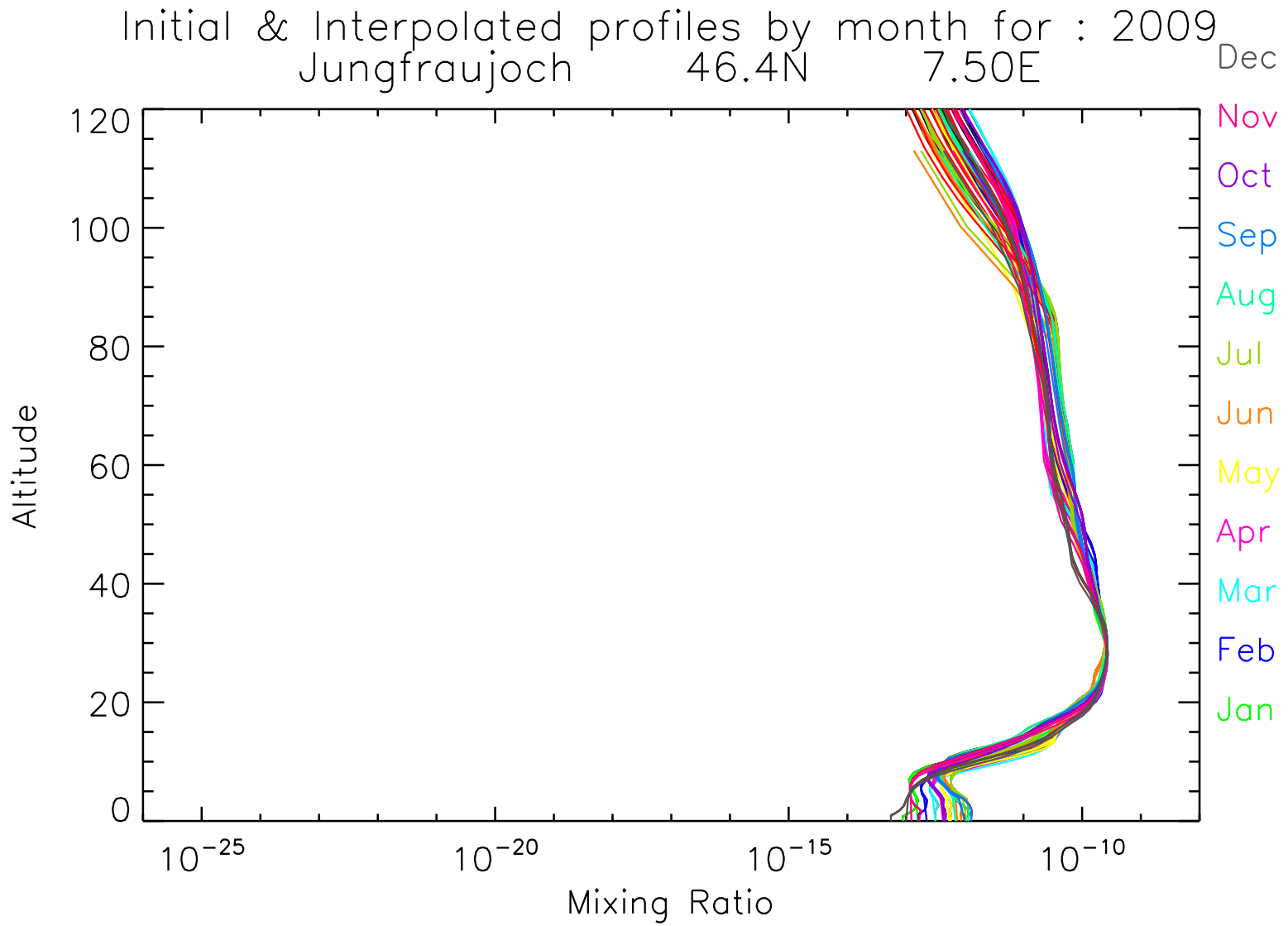
10^{-10}
Mixing Ratio


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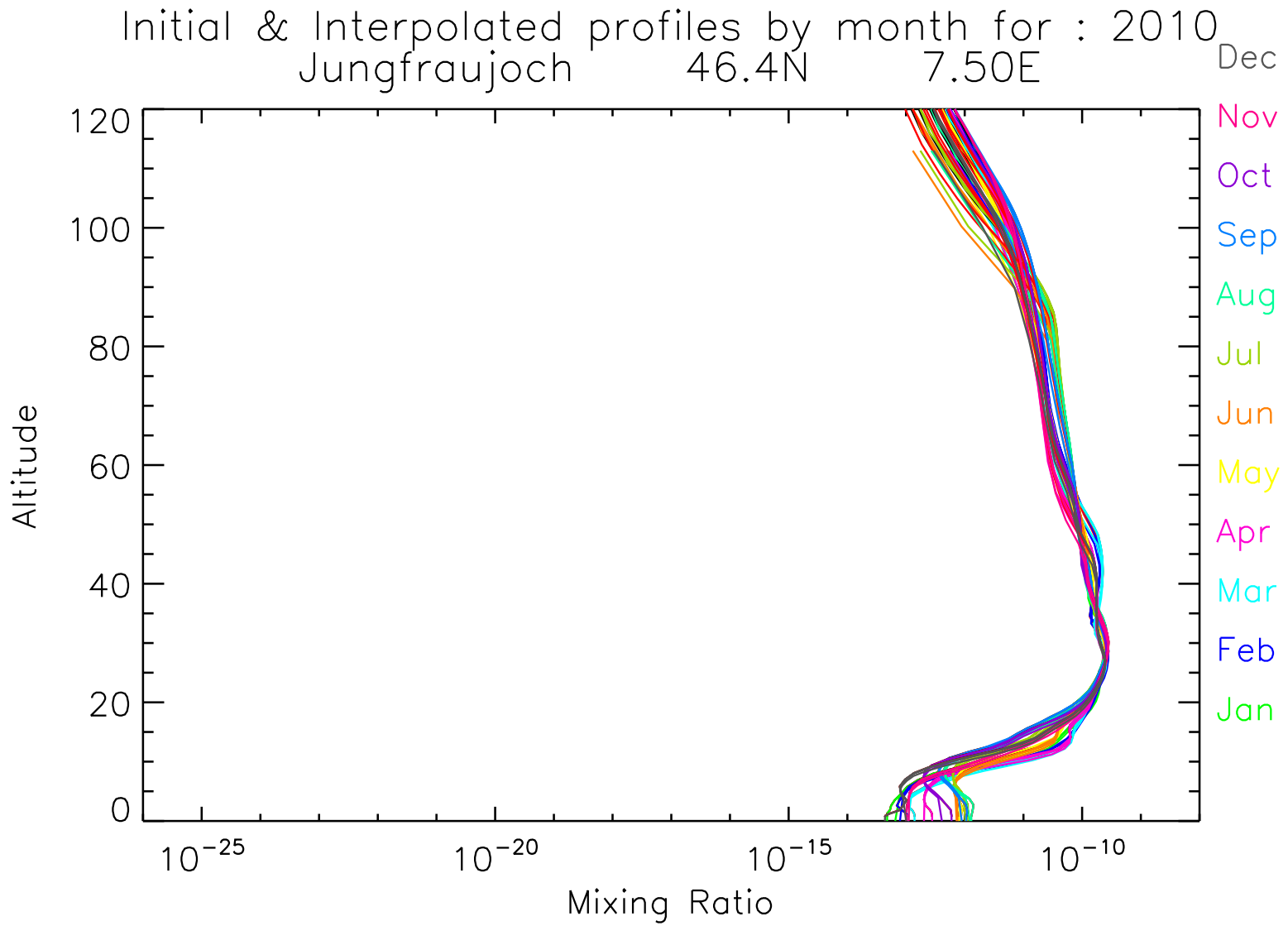
10^{-10}
Mixing Ratio


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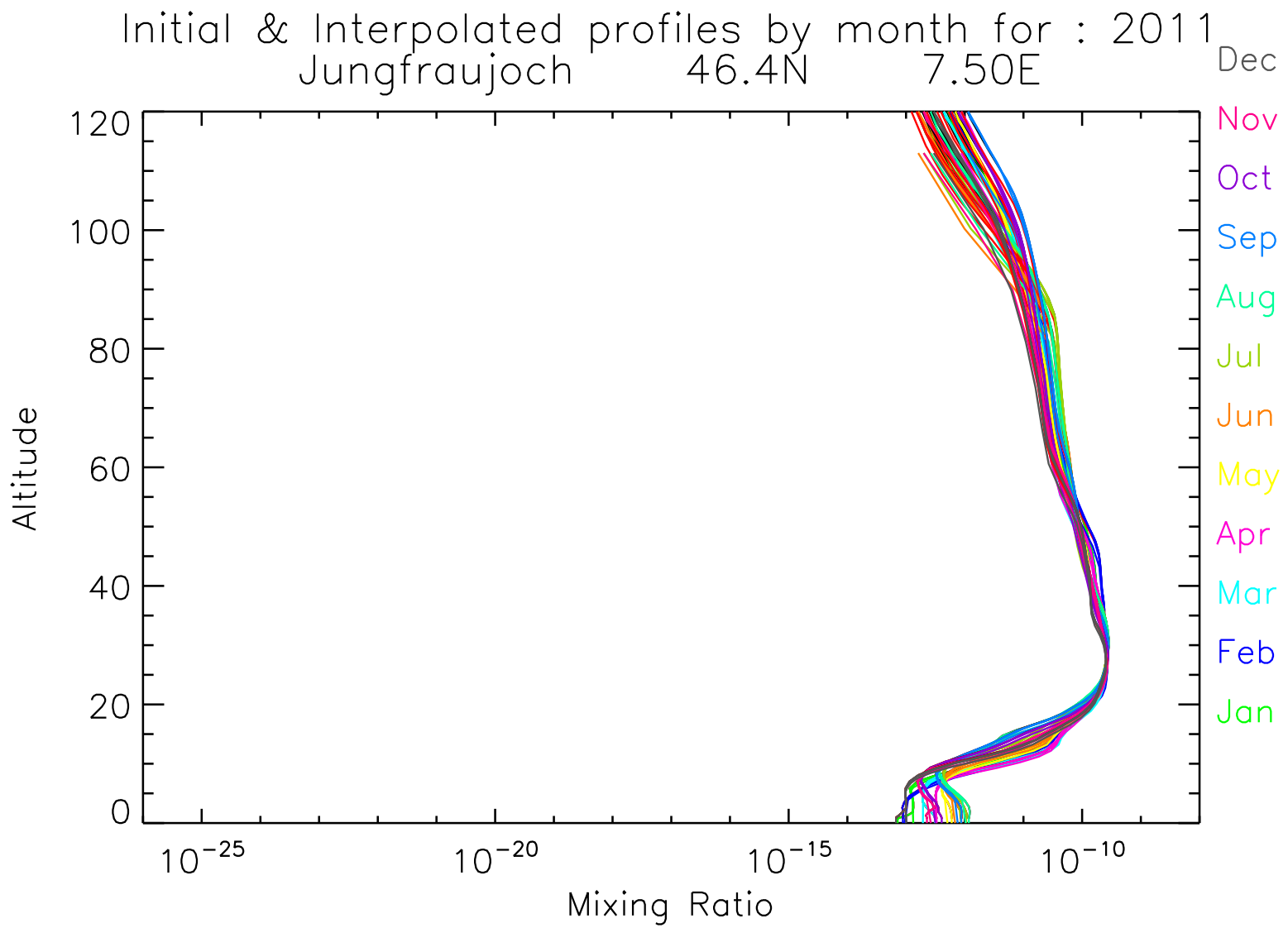
Mixing Ratio


Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
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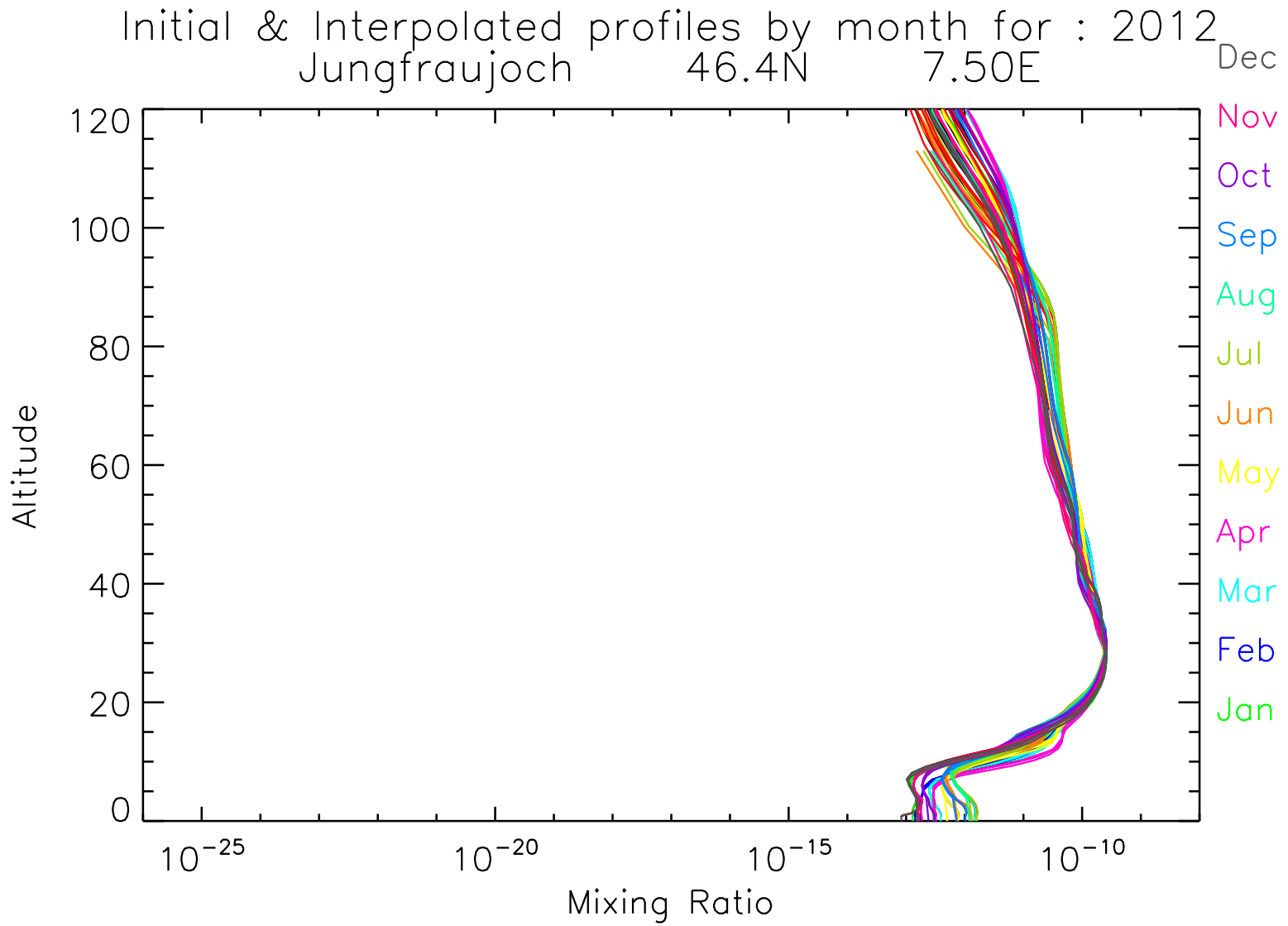
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
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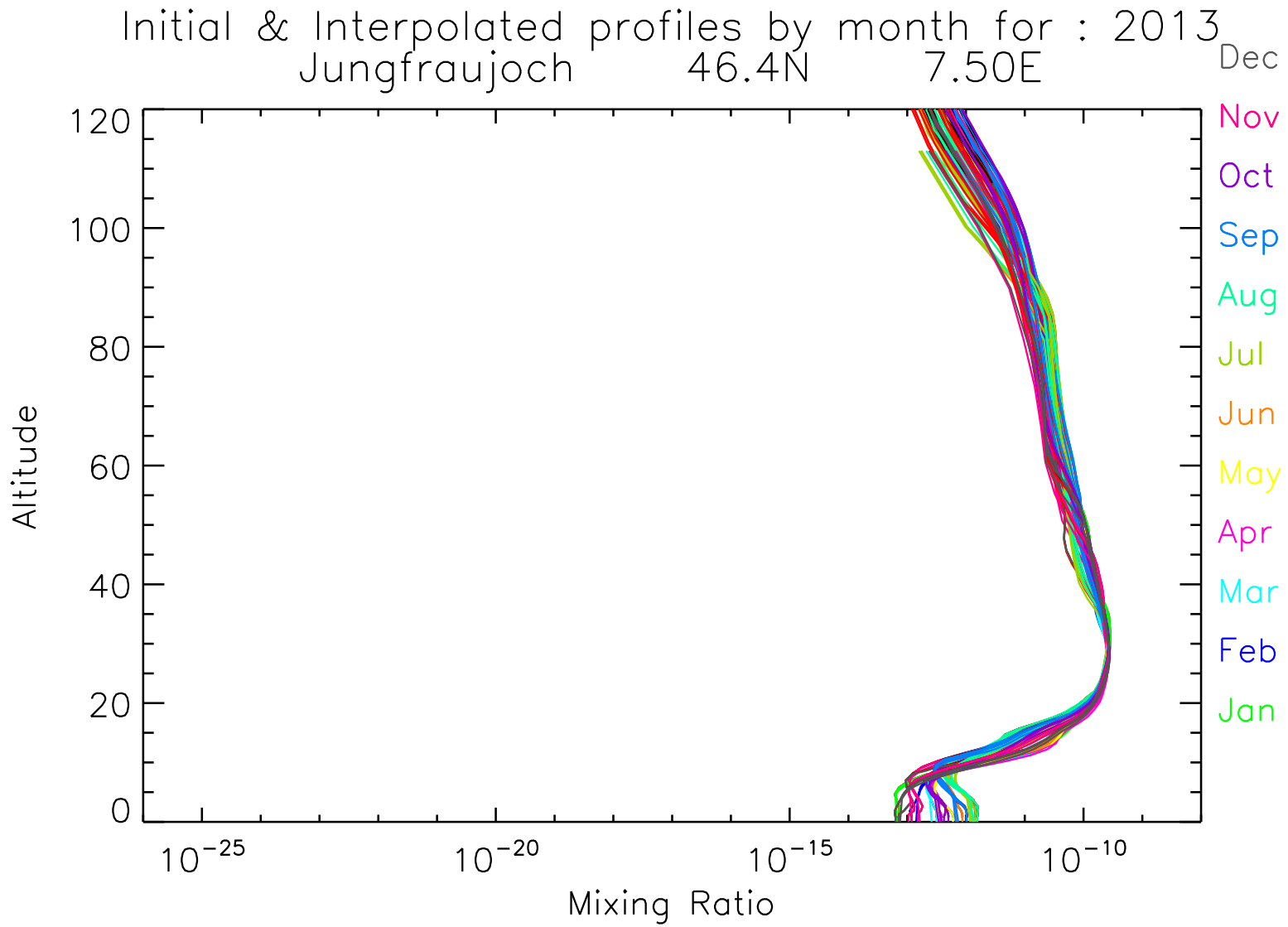
Mixing Ratio


Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
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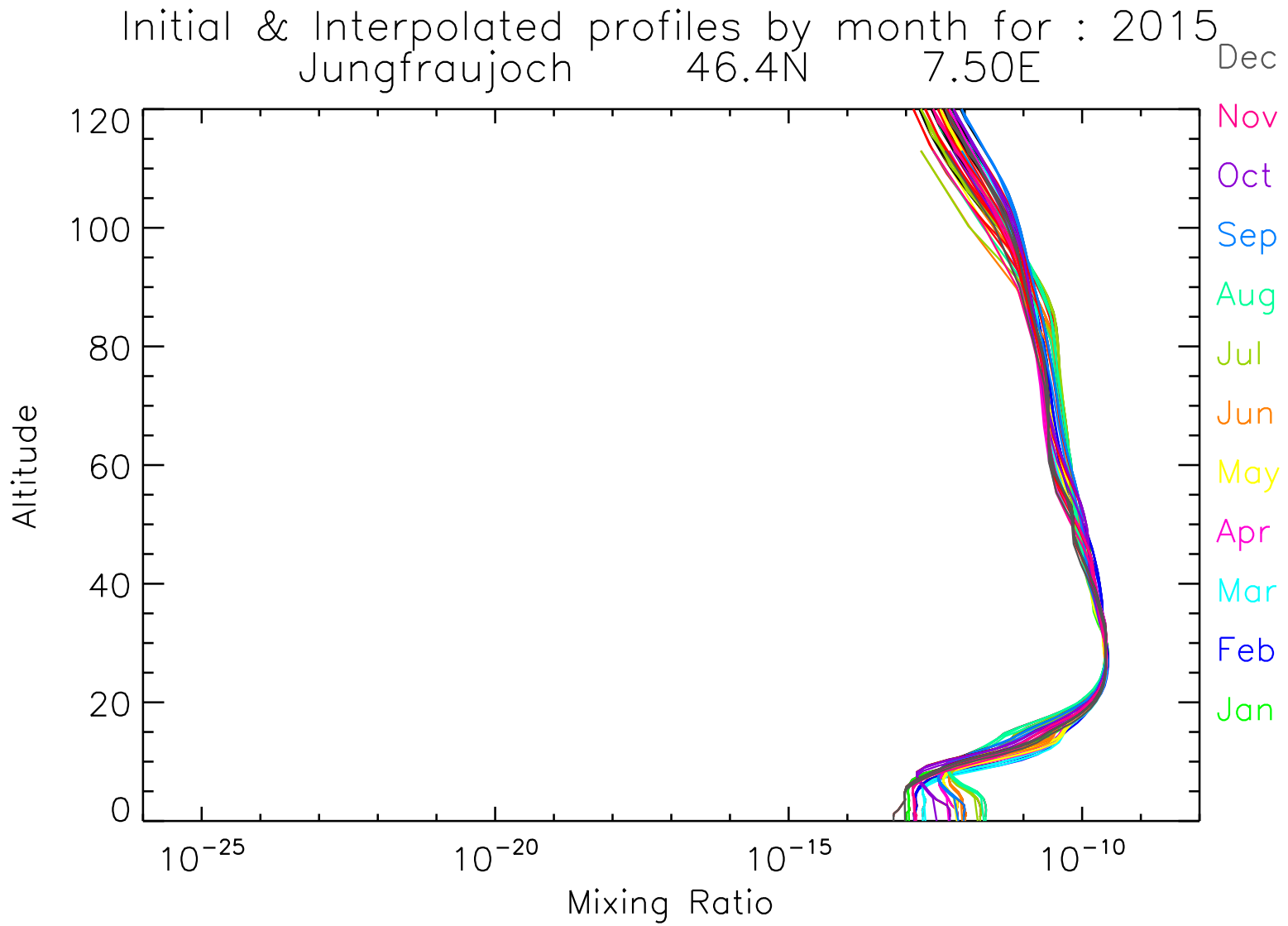
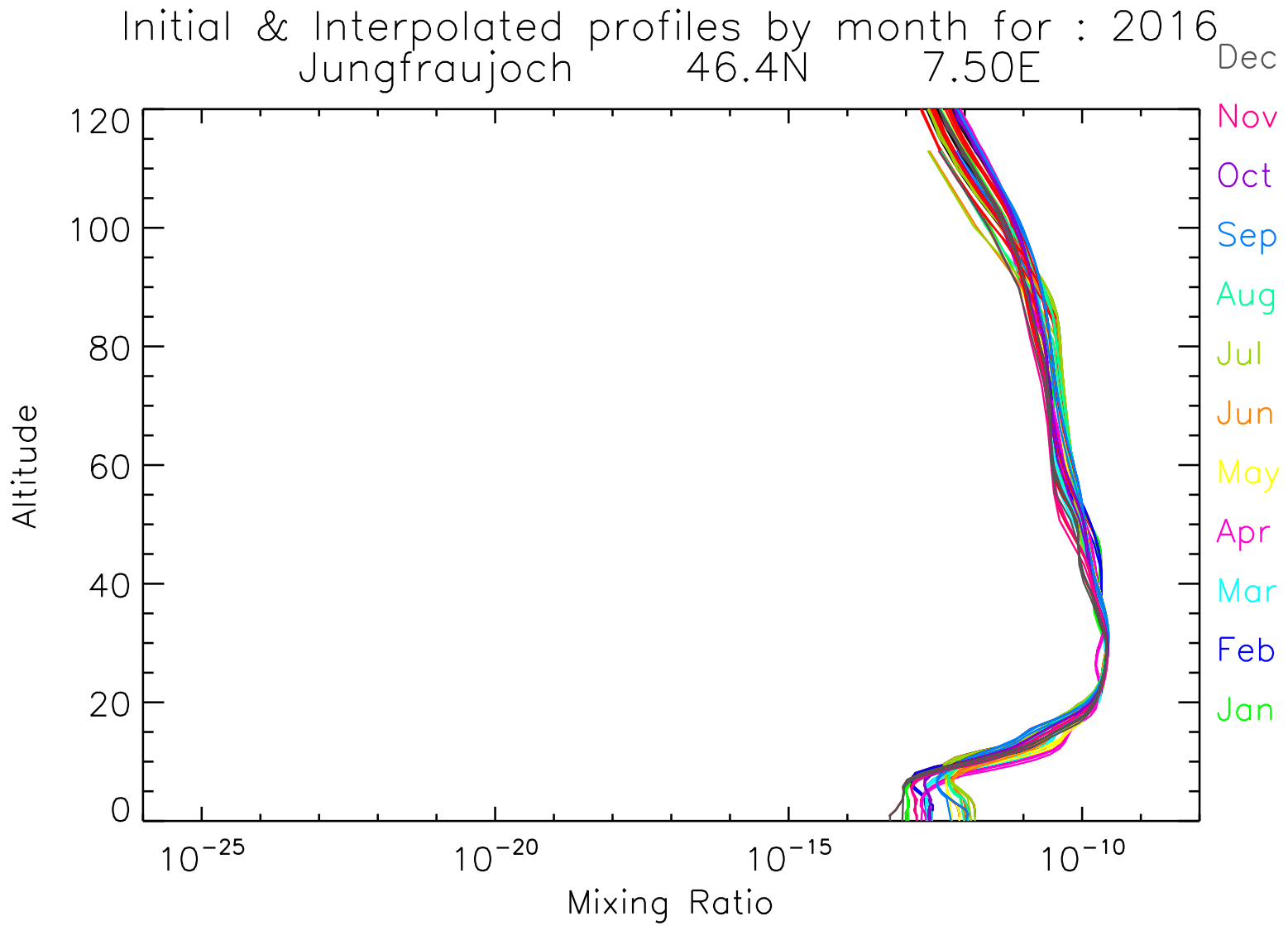
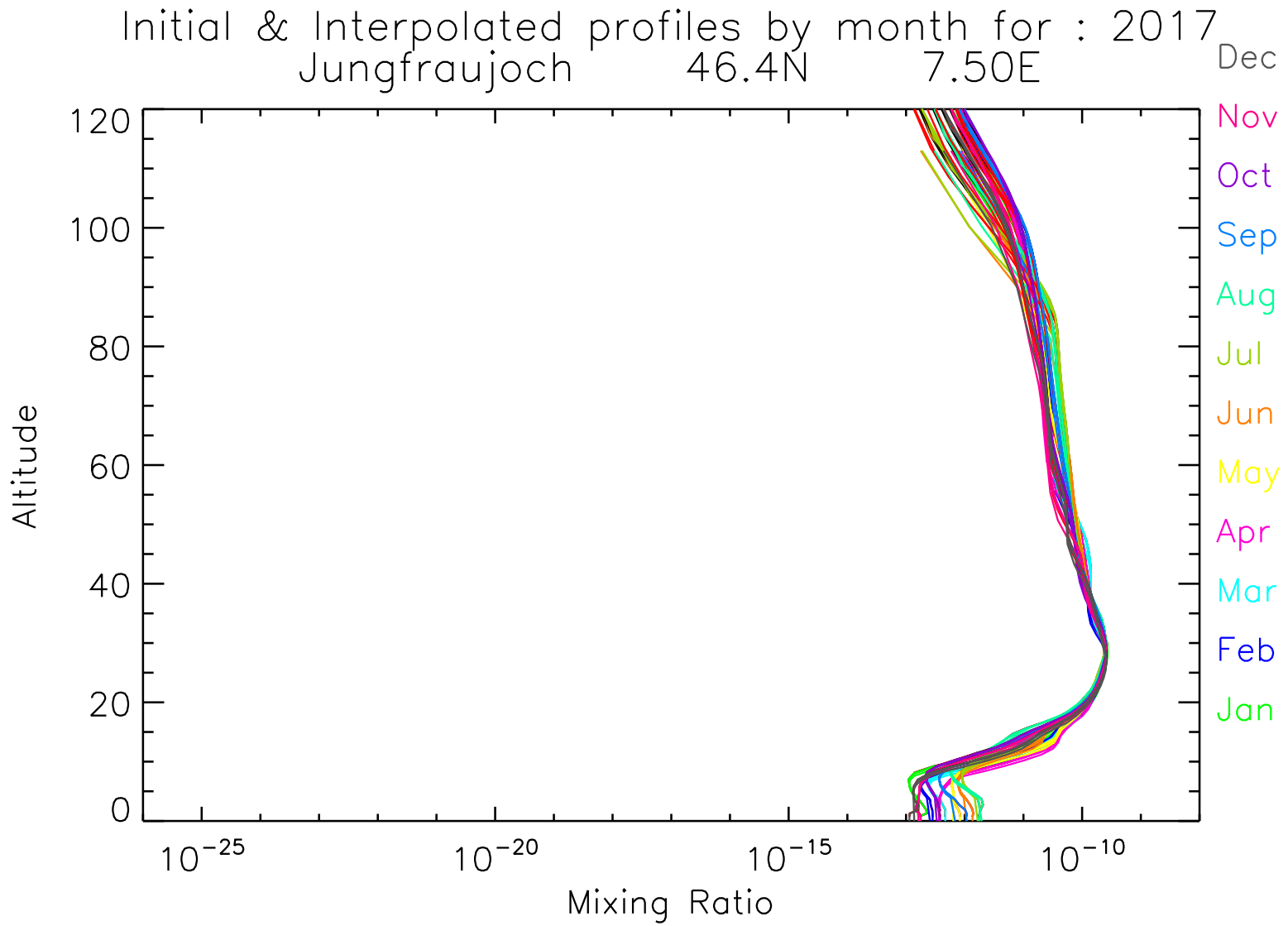
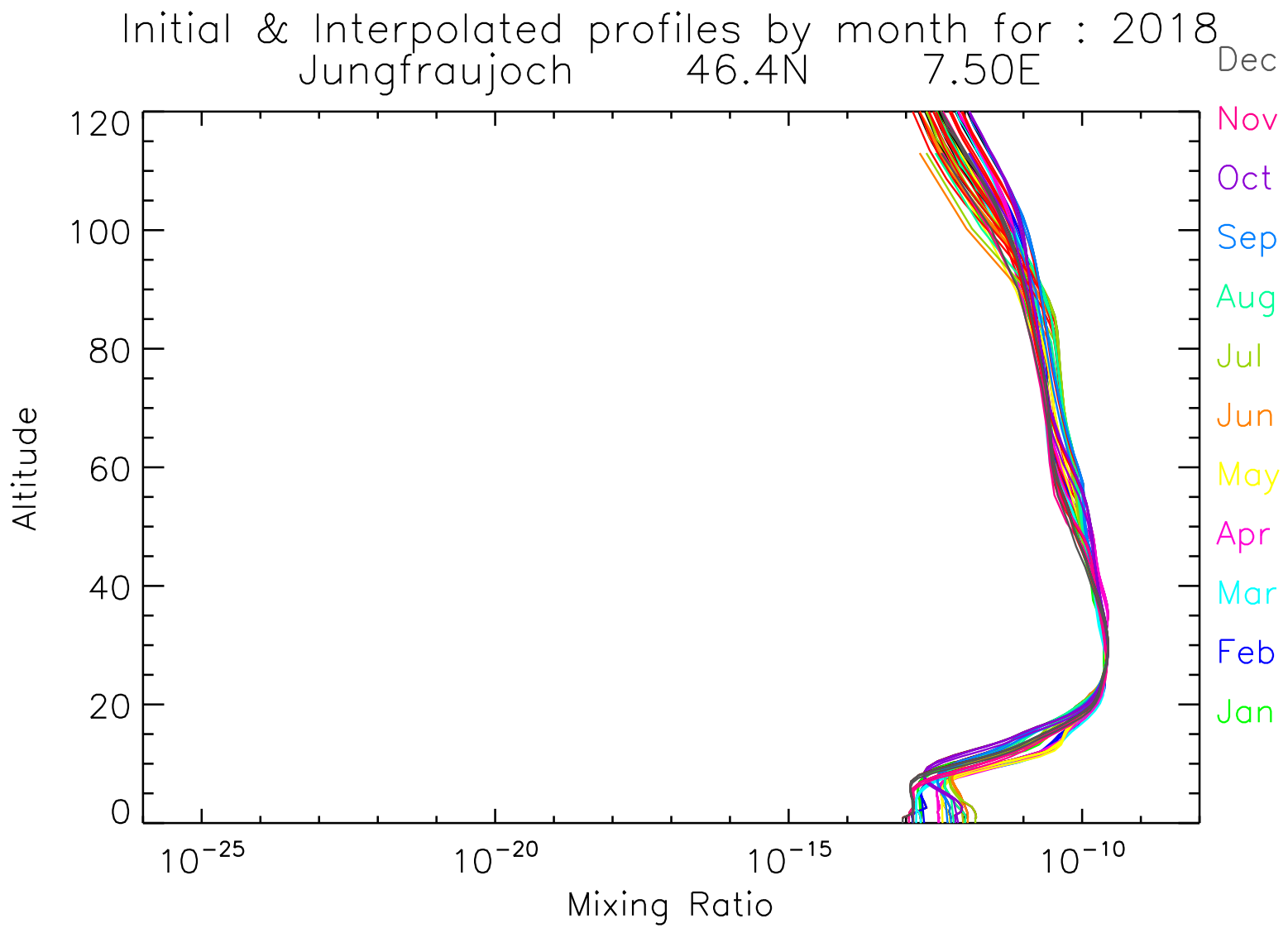
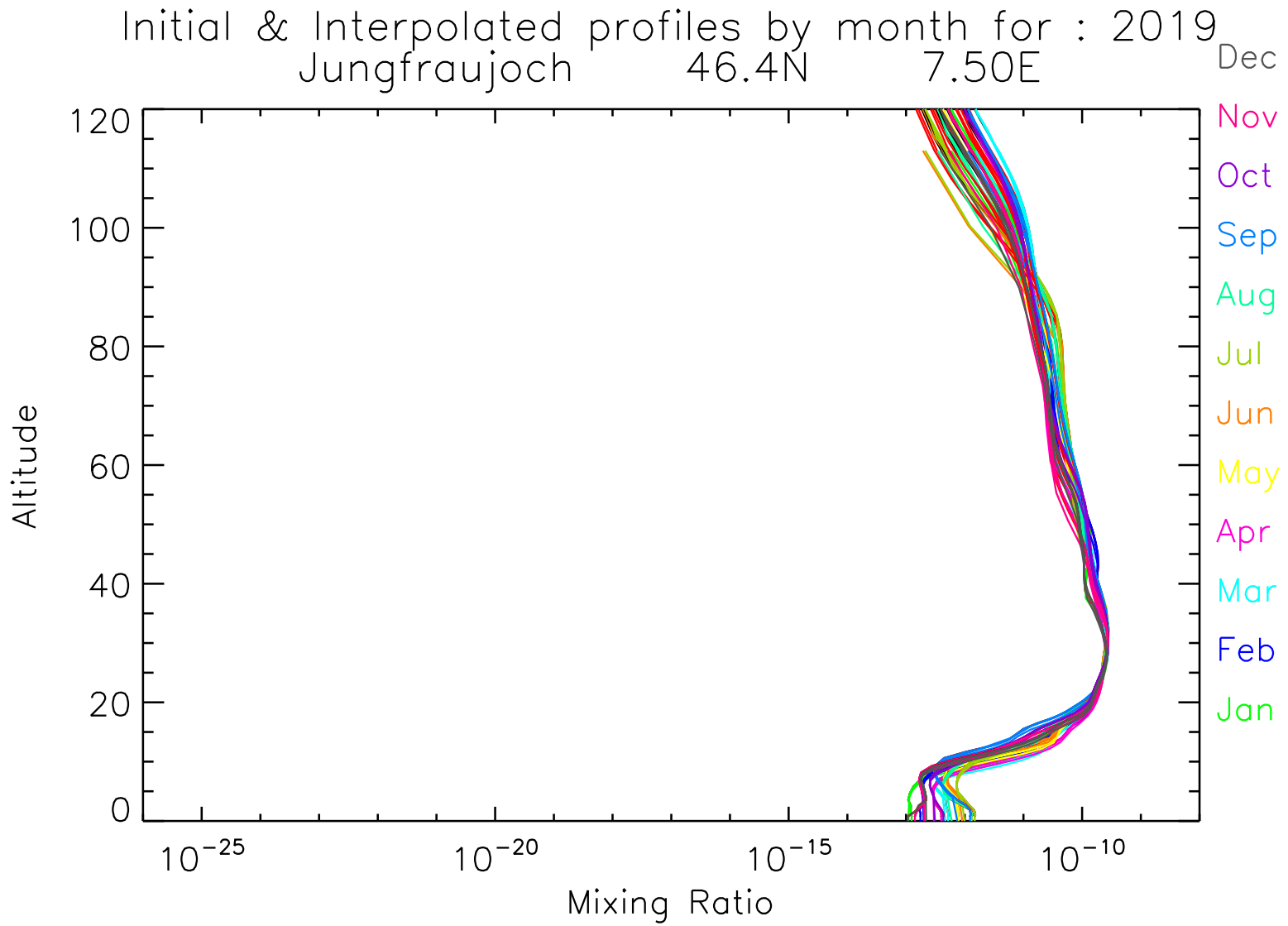
10^{-10}
Mixing Ratio

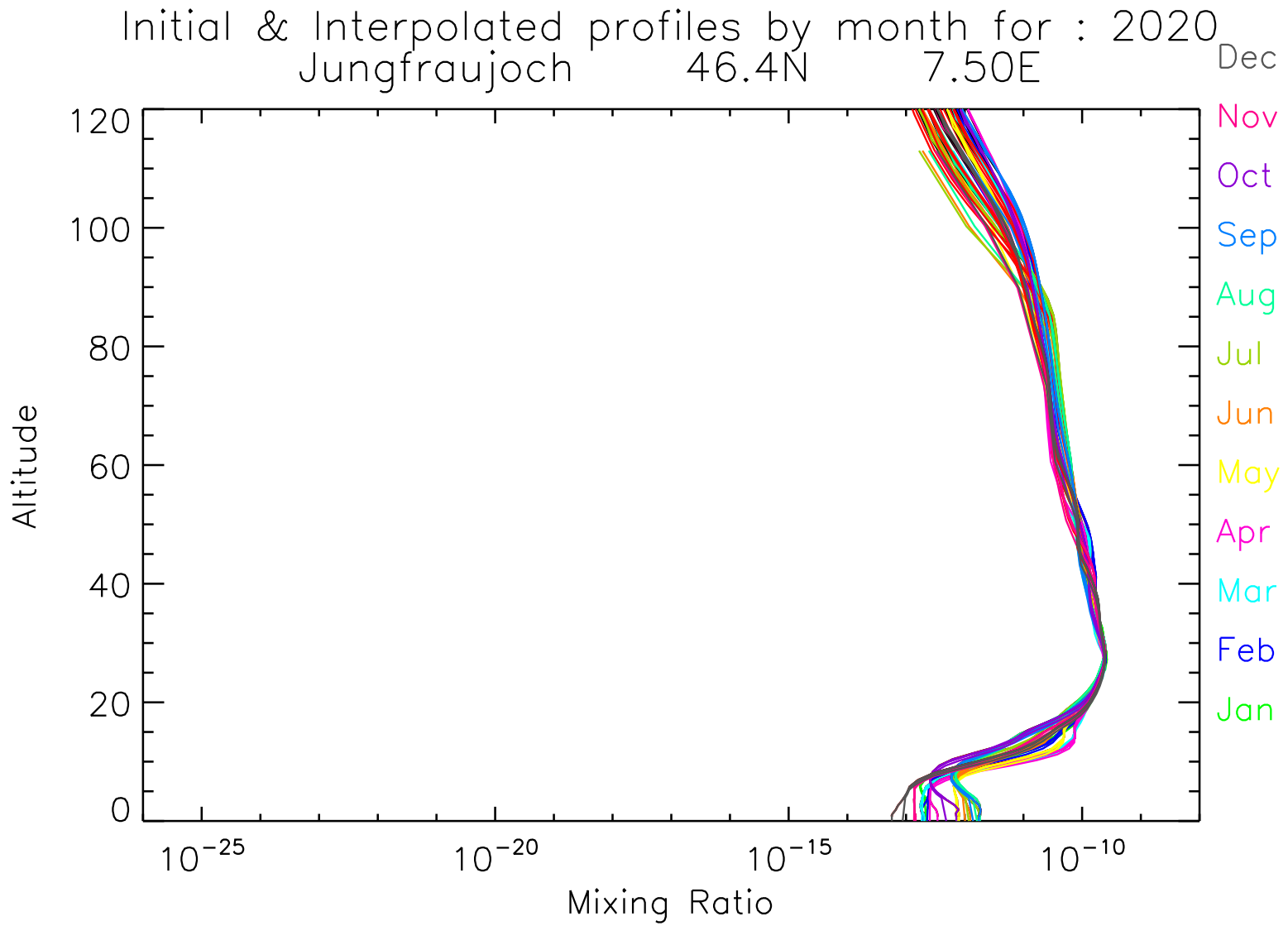

Initial & Interpolated profiles by month for : 2015
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

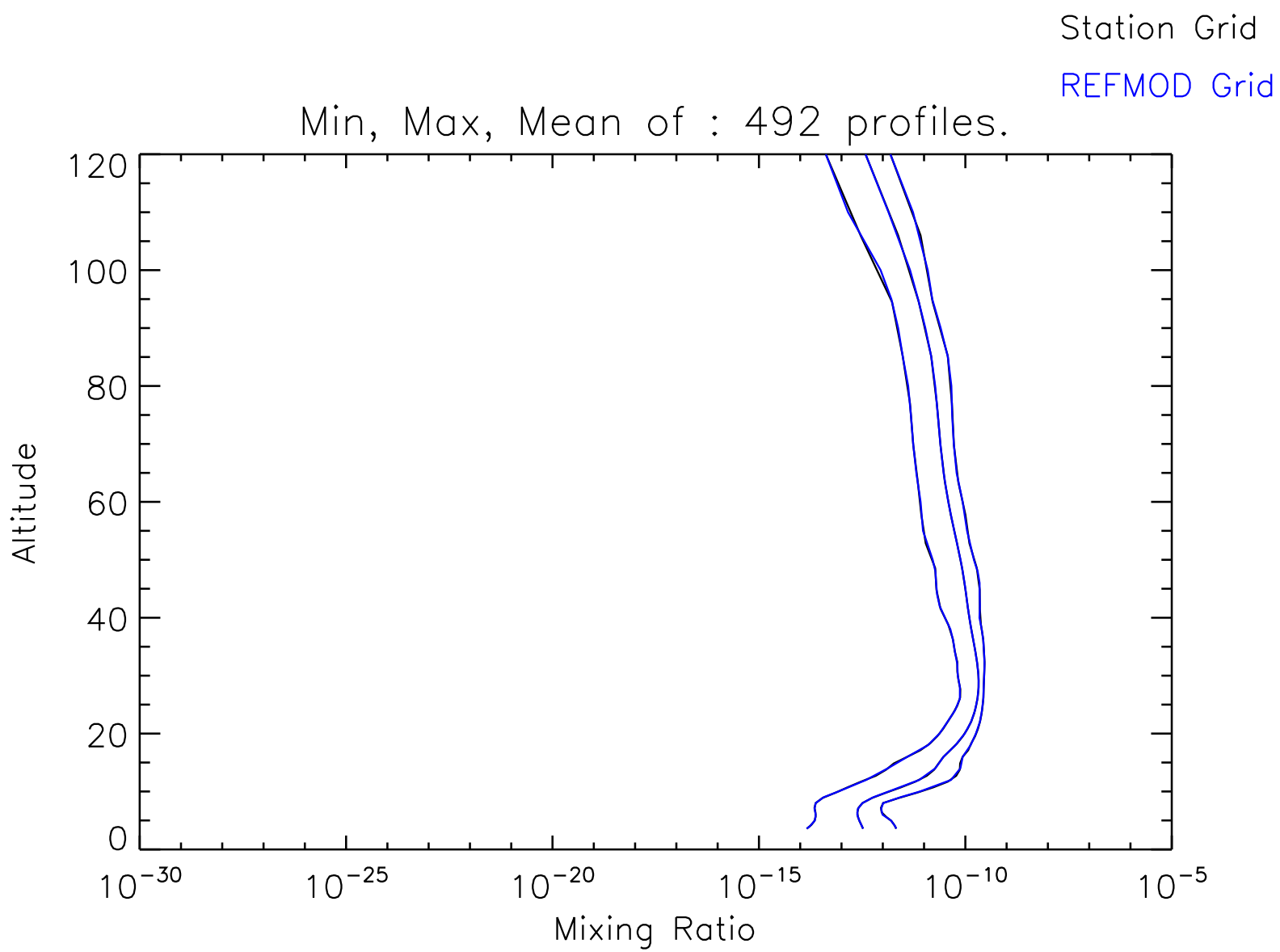

Initial & Interpolated profiles by month for : 2016
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

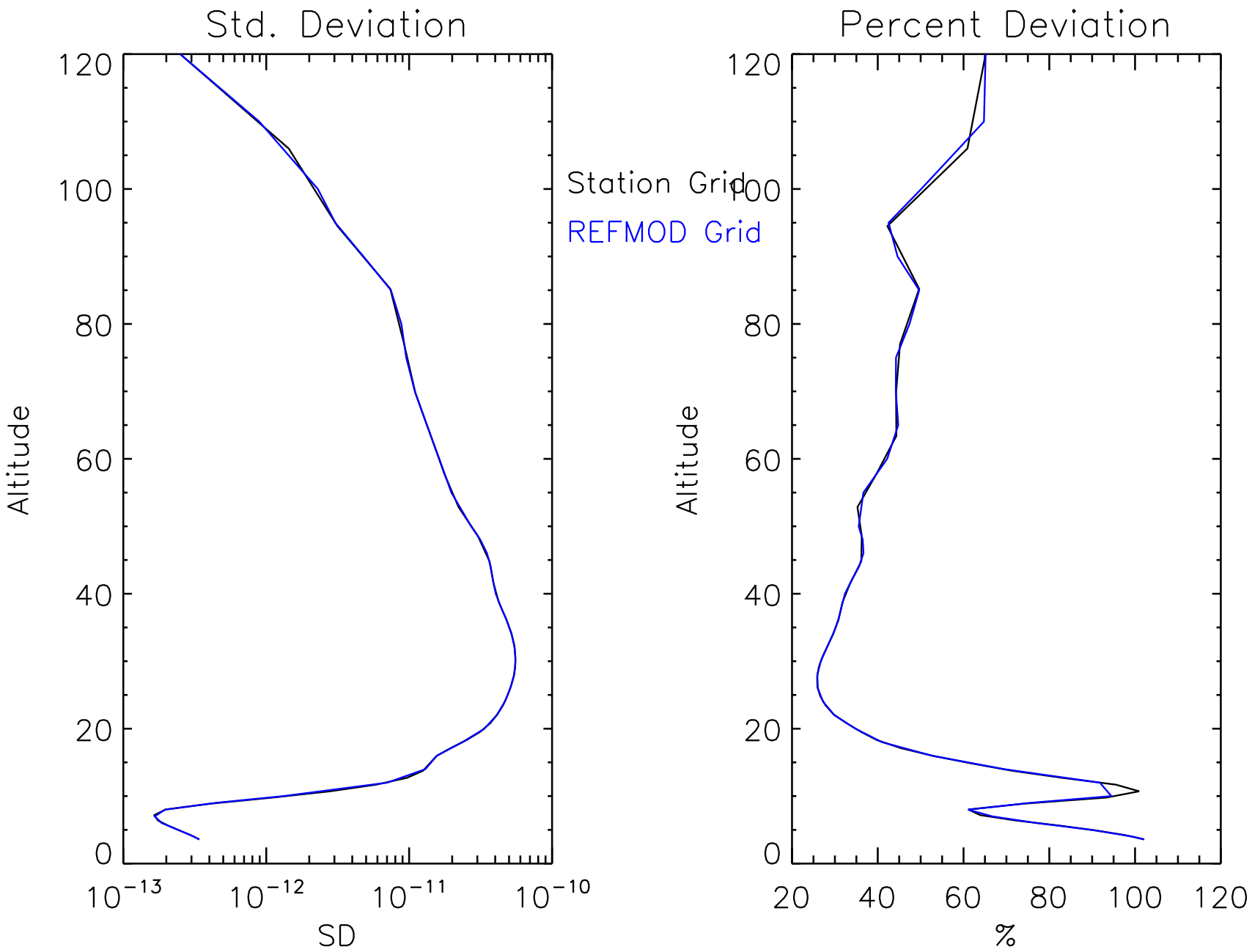

Initial & Interpolated profiles by month for : 2017
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

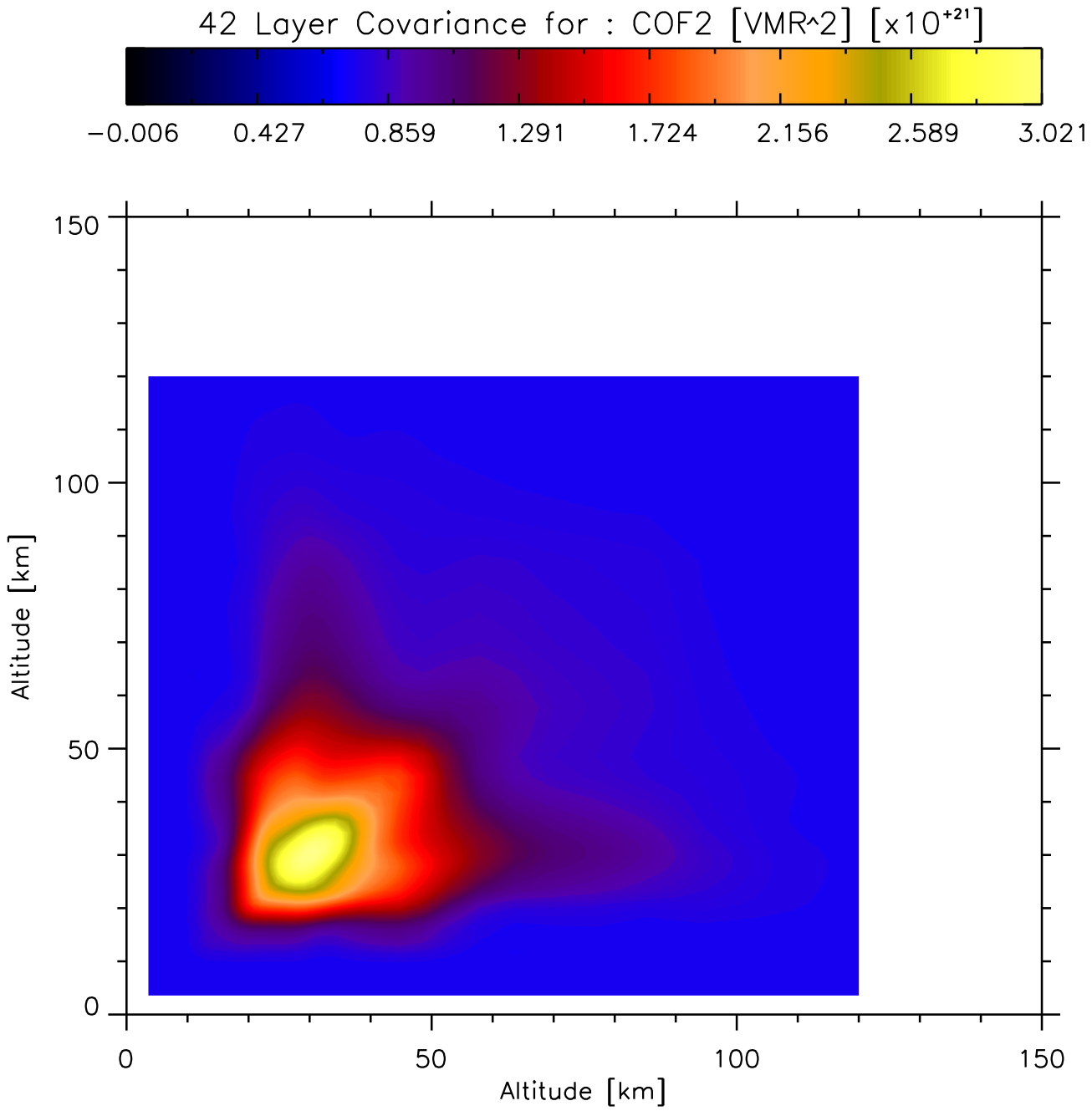

Initial & Interpolated profiles by month for : 2018
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

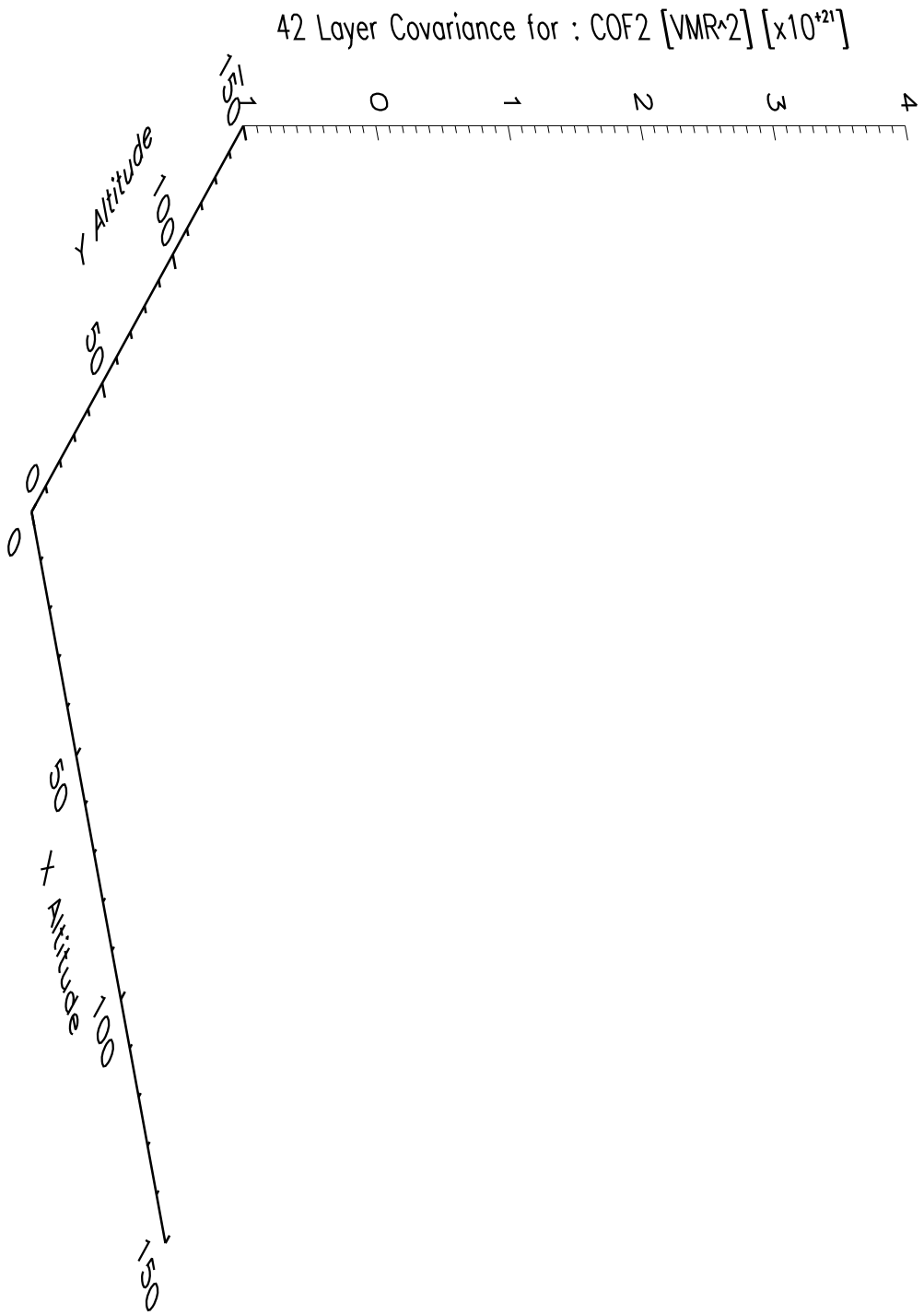

Initial & Interpolated profiles by month for : 2019
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

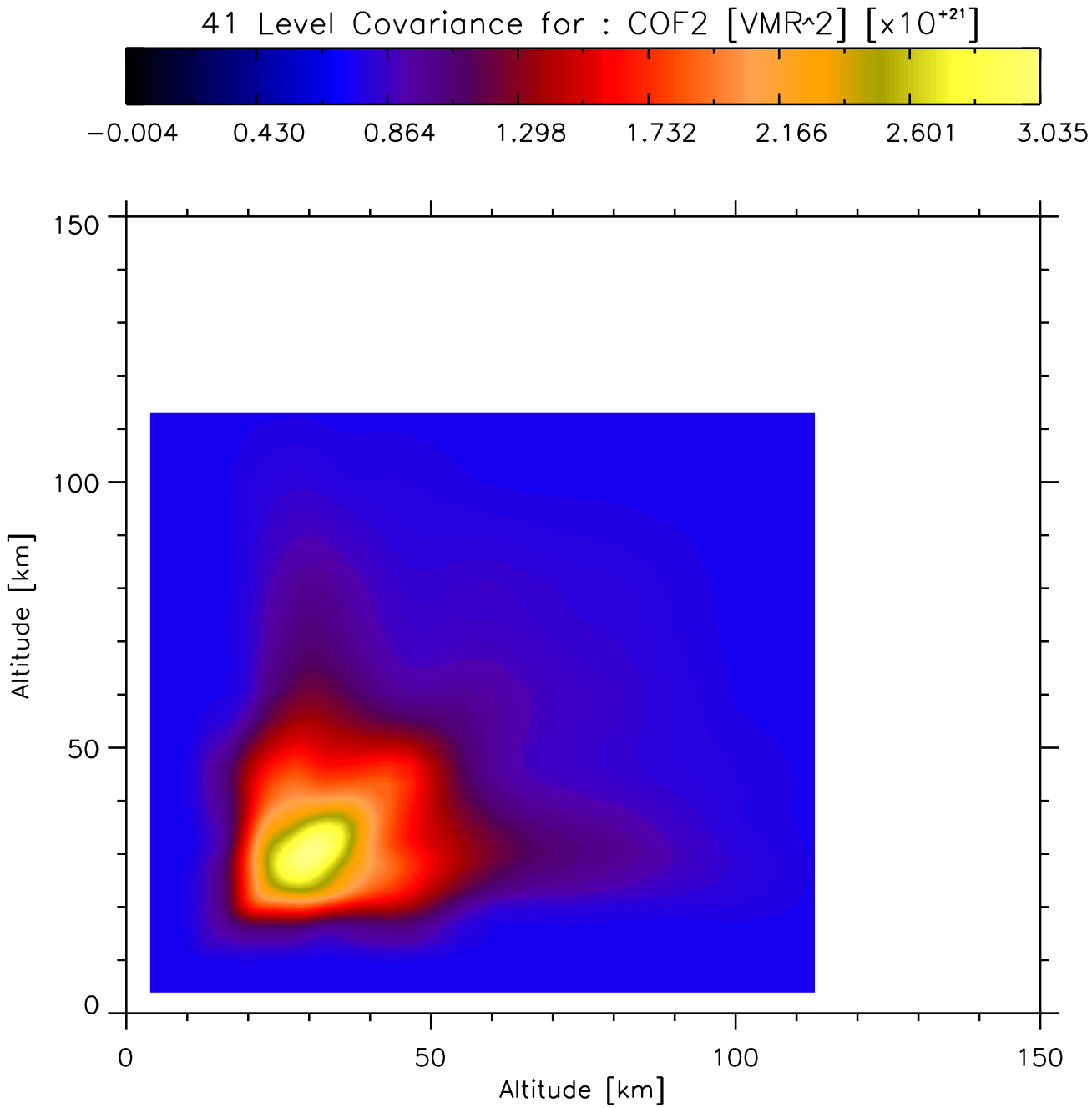

Initial & Interpolated profiles by month for : 2020
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-25}
10^{-20}
10^{-15}
10^{-10}
Mixing Ratio

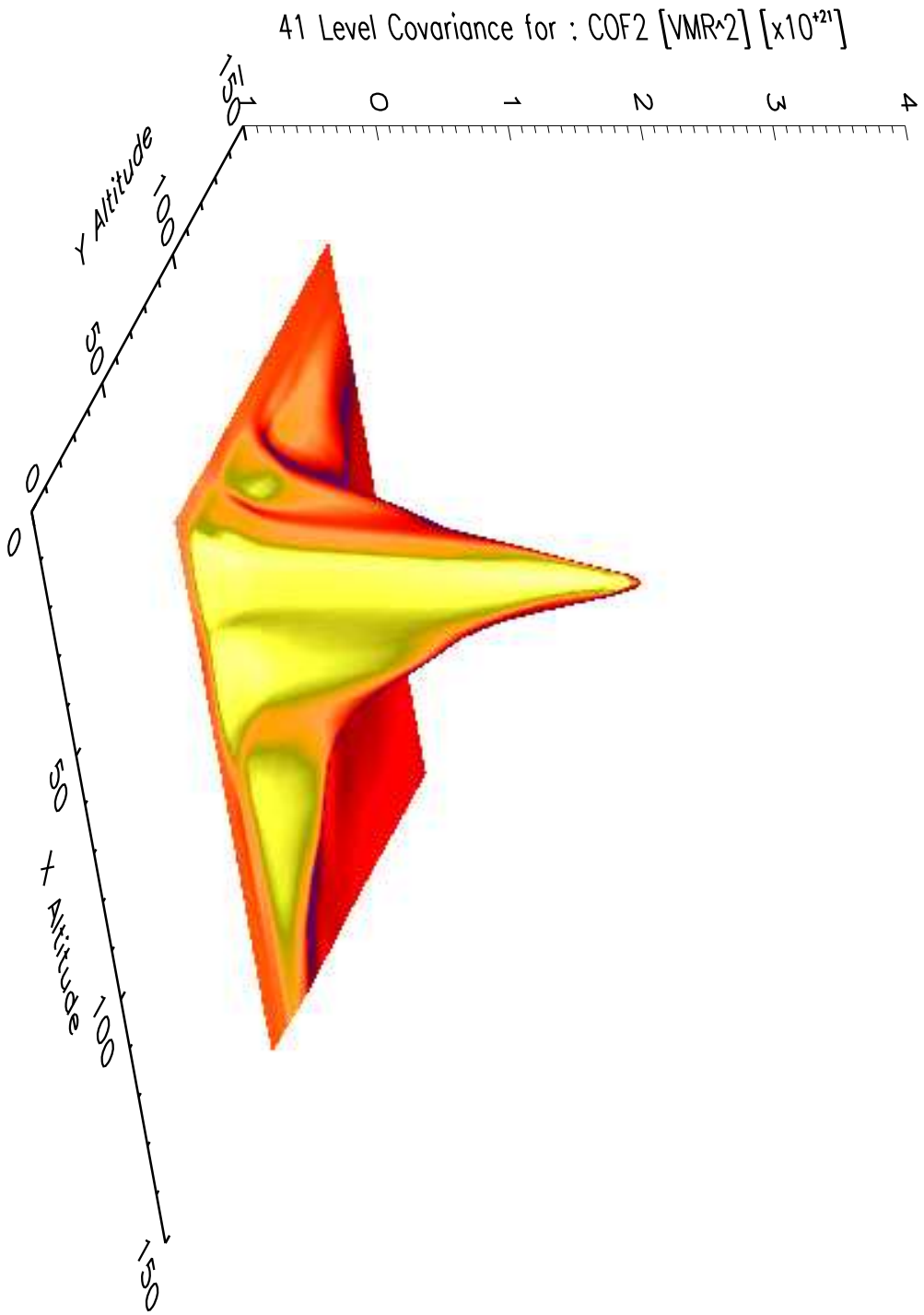

Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
120
100
80
60
40
20
0
Altitude
10^{-30}
10^{-25}
10^{-20}
10^{-15}
10^{-10}
10^{-5}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
SD
%
120
100
80
60
40
20
0
10^{-13}
10^{-12}
10^{-11}
10^{-10}
20
40
60
80
100
120


42 Layer Covariance for : COF2 [VMR^2] [x10^+21]
−0.006
0.427
0.859
1.291
1.724
2.156
2.589
3.021
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


42 Layer Covariance for : COF2 [VMR^2] [x10^+21]
0
1
2
3
4
Y Altitude
0
50
100
150
0
50
100
150
X Altitude


41 Level Covariance for : COF2 [VMR^2] [x10^+21]
−0.004
0.430
0.864
1.298
1.732
2.166
2.601
3.035
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


41 Level Covariance for : COF2 [VMR^2] [x10^+21]
0
1
2
3
4
150
100
50
0
Y Altitude
0
50
100
150
X Altitude