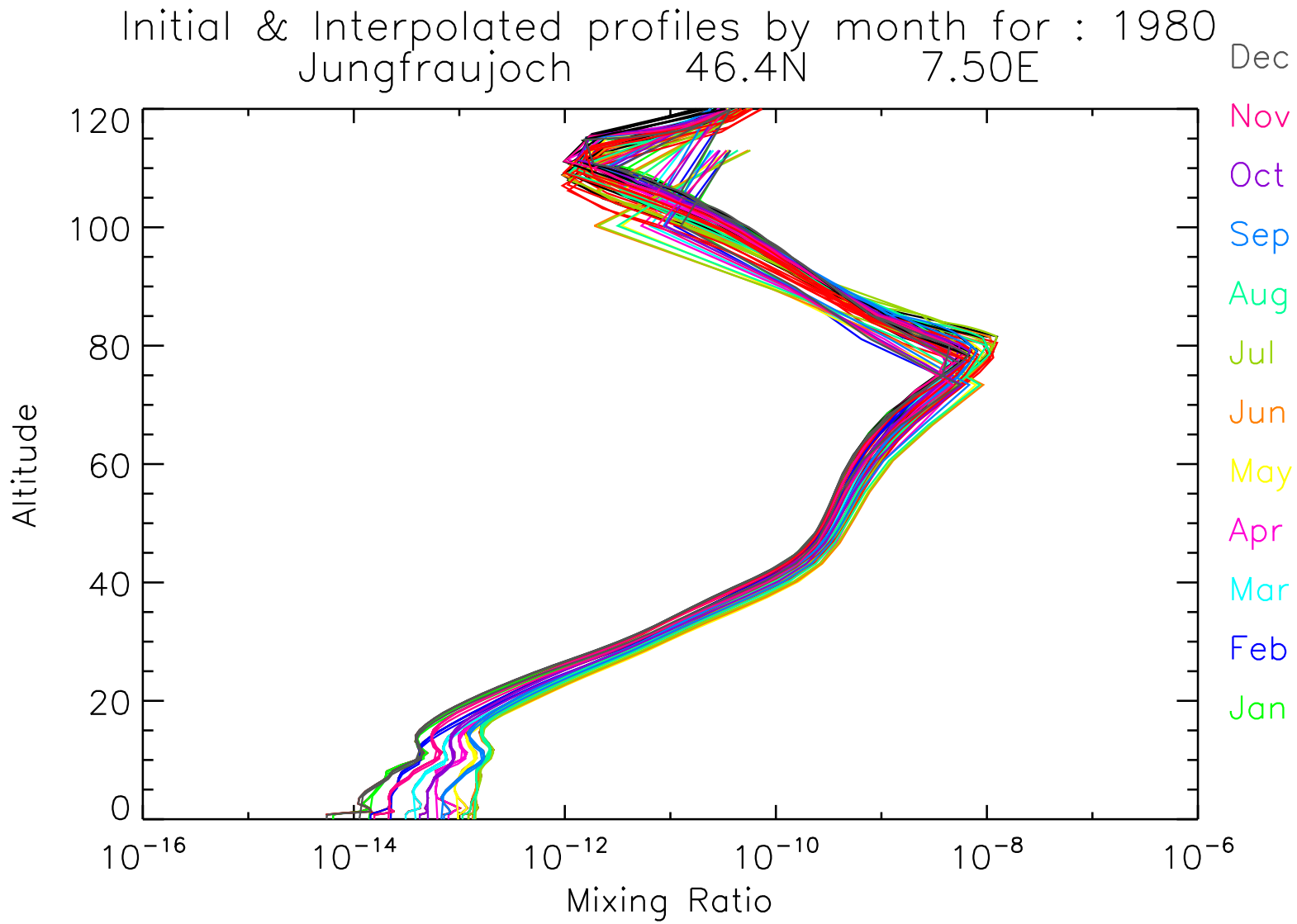
Initial & Interpolated profiles by month for : 1980
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
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Mixing Ratio
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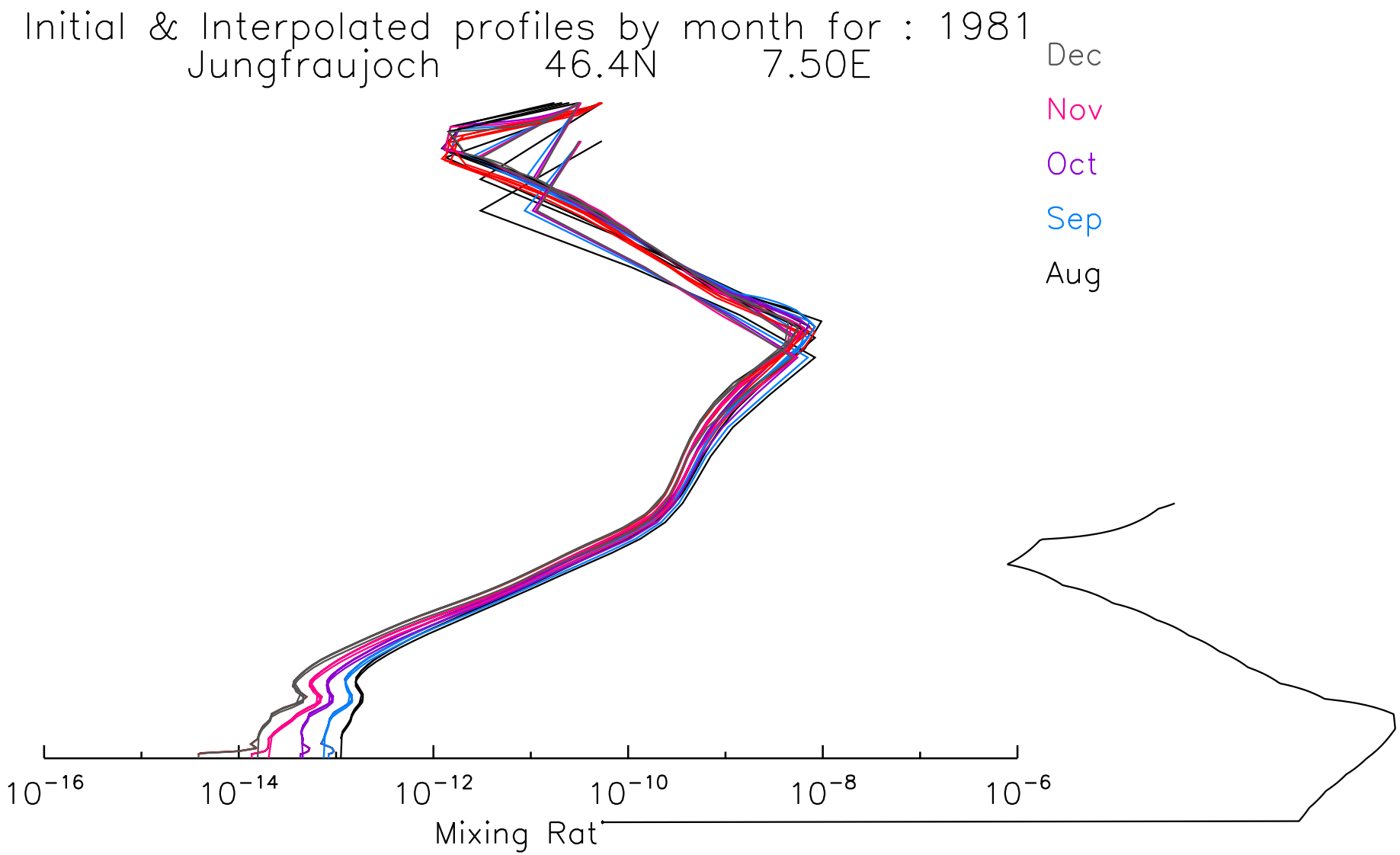
Initial & Interpolated profiles by month for : 1981
Jungfraujoch 46.4N 7.50E
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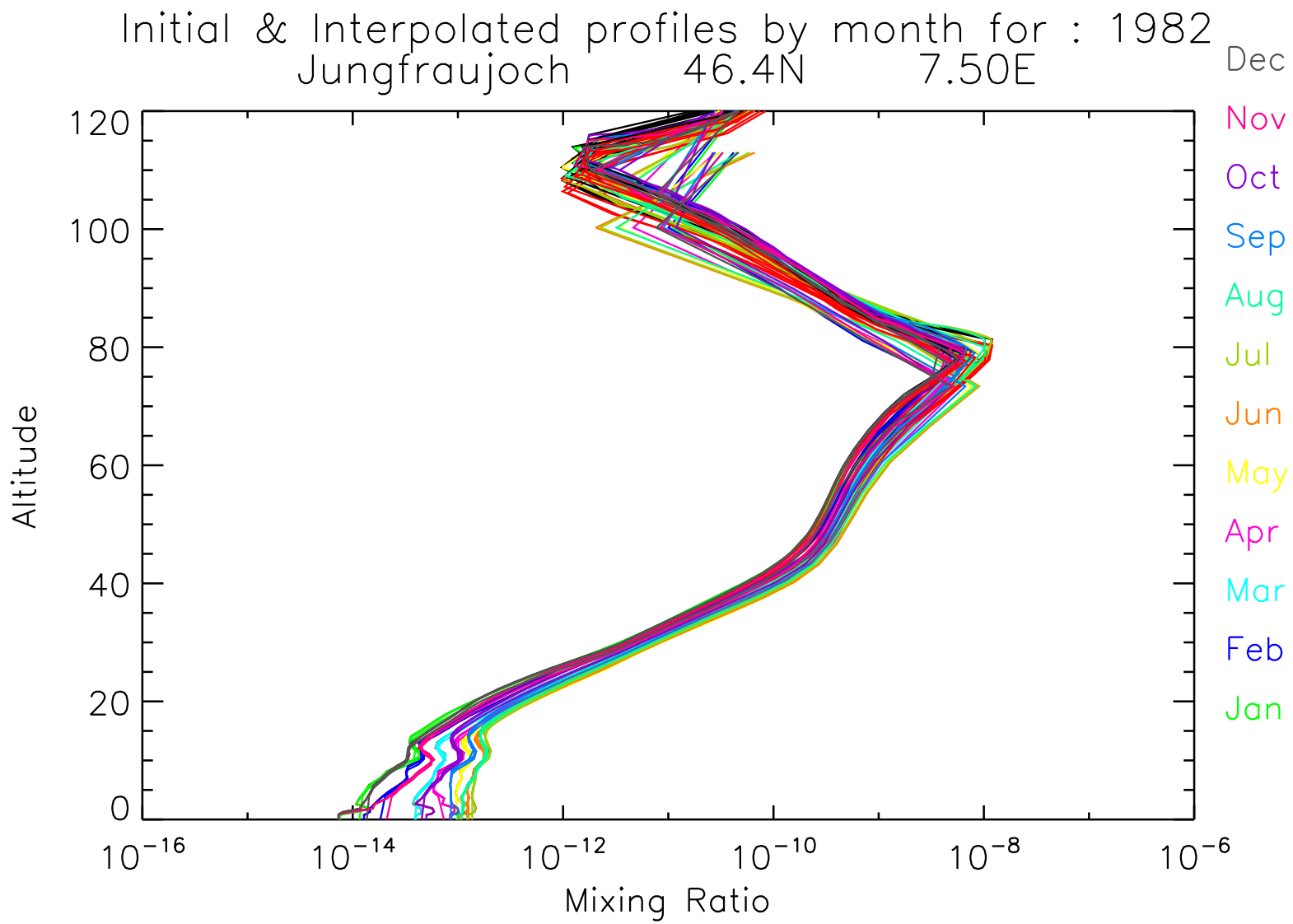
10^{-10}
10^{-8}
10^{-6}
Mixing Rat


Initial & Interpolated profiles by month for : 1982
Jungfraujoch 46.4N 7.50E
Altitude
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100
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40
20
0
10^{-16}
10^{-14}
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Mixing Ratio
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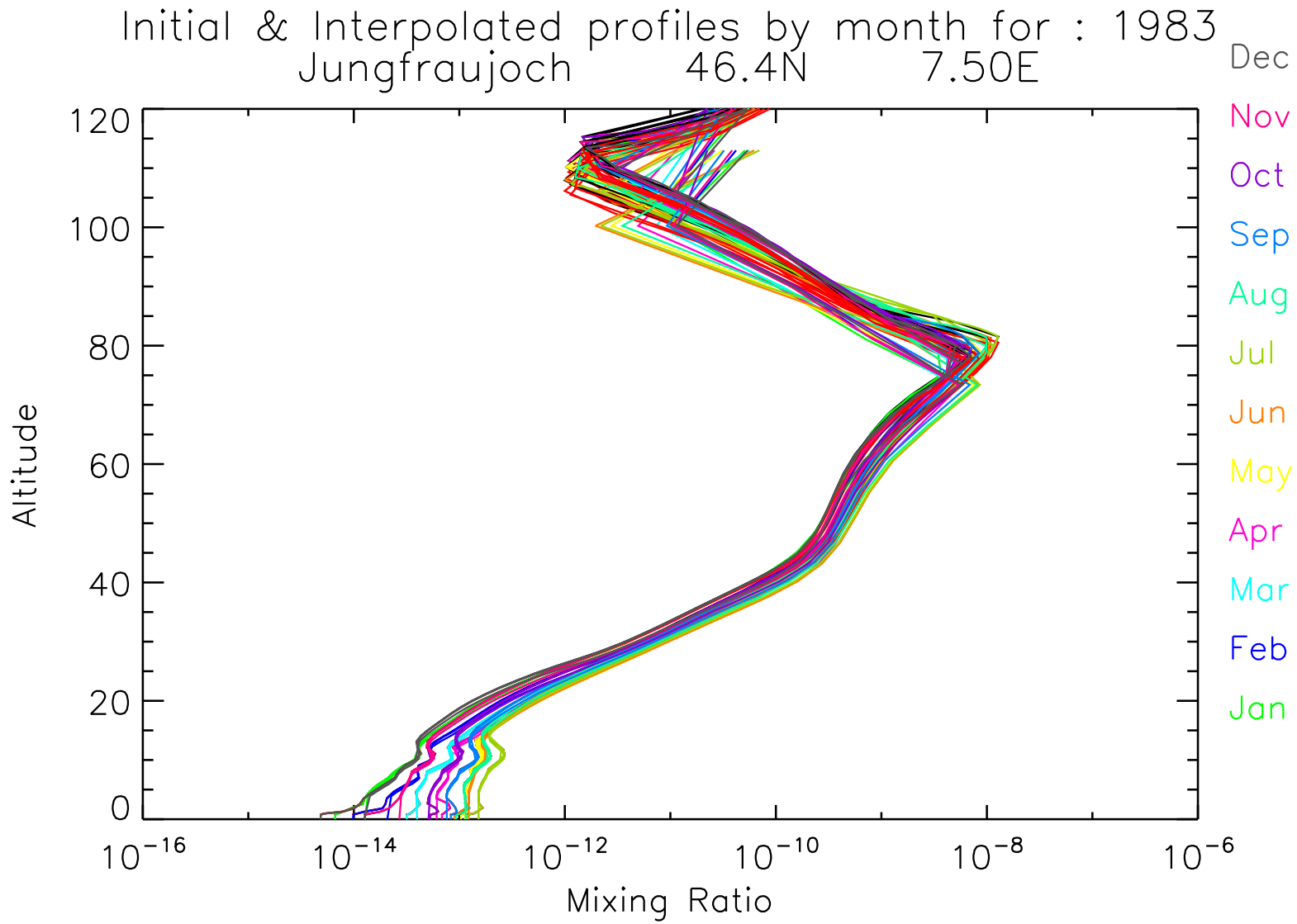
Initial & Interpolated profiles by month for : 1983
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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0
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Mixing Ratio
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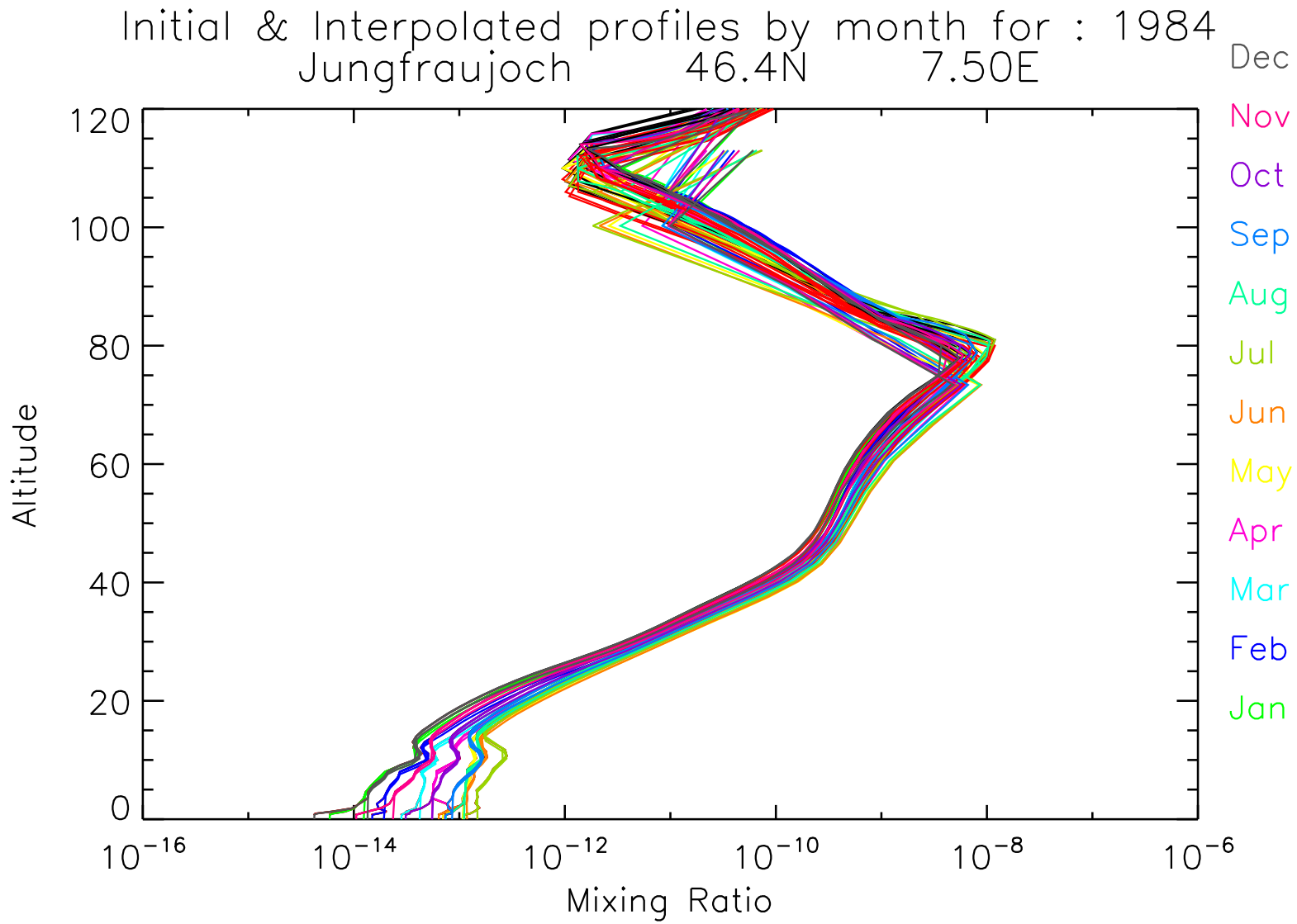
Initial & Interpolated profiles by month for : 1984
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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0
10^{-16}
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10^{-6}
Mixing Ratio
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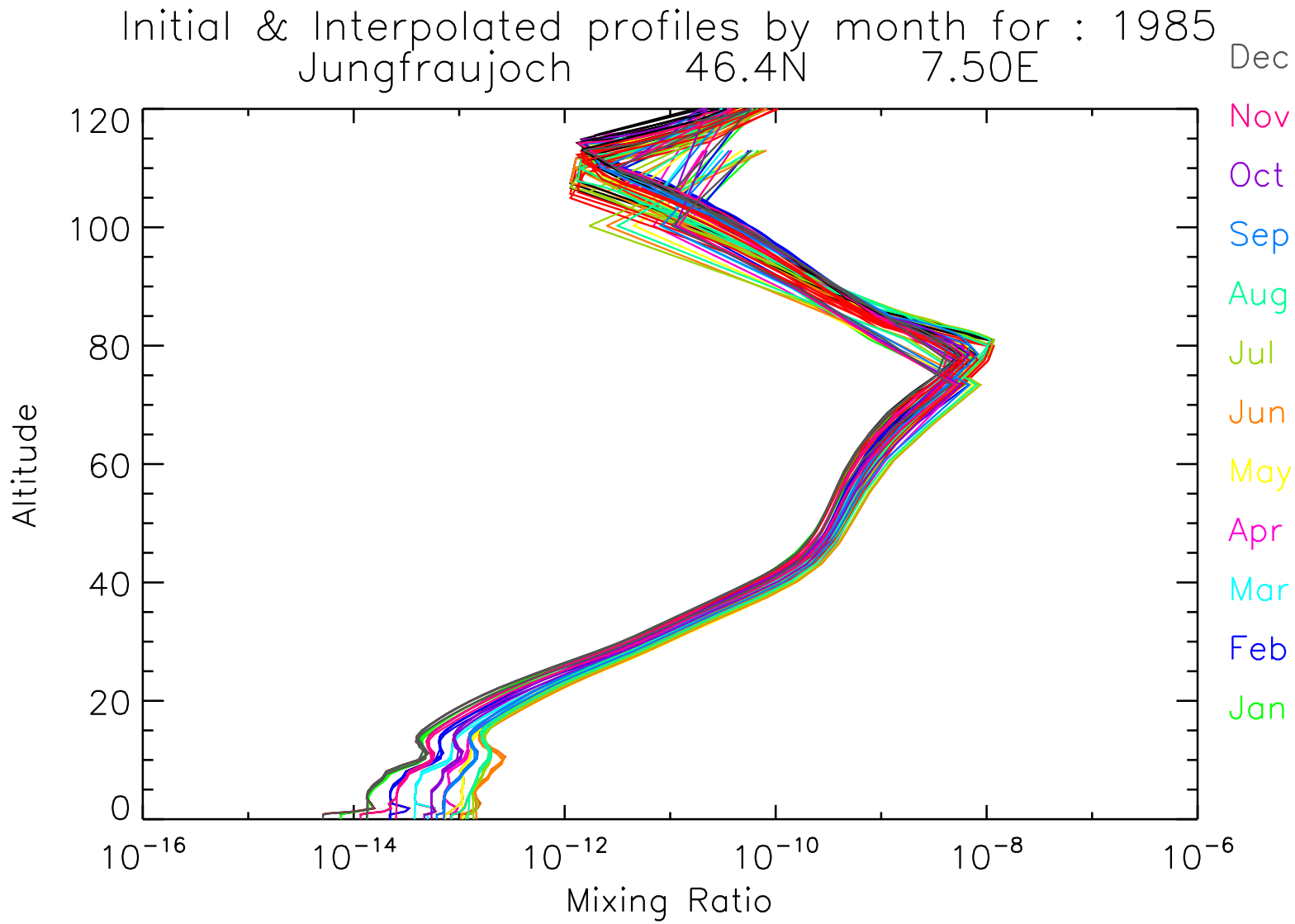
Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Altitude
120
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0
10^{-16}
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Mixing Ratio
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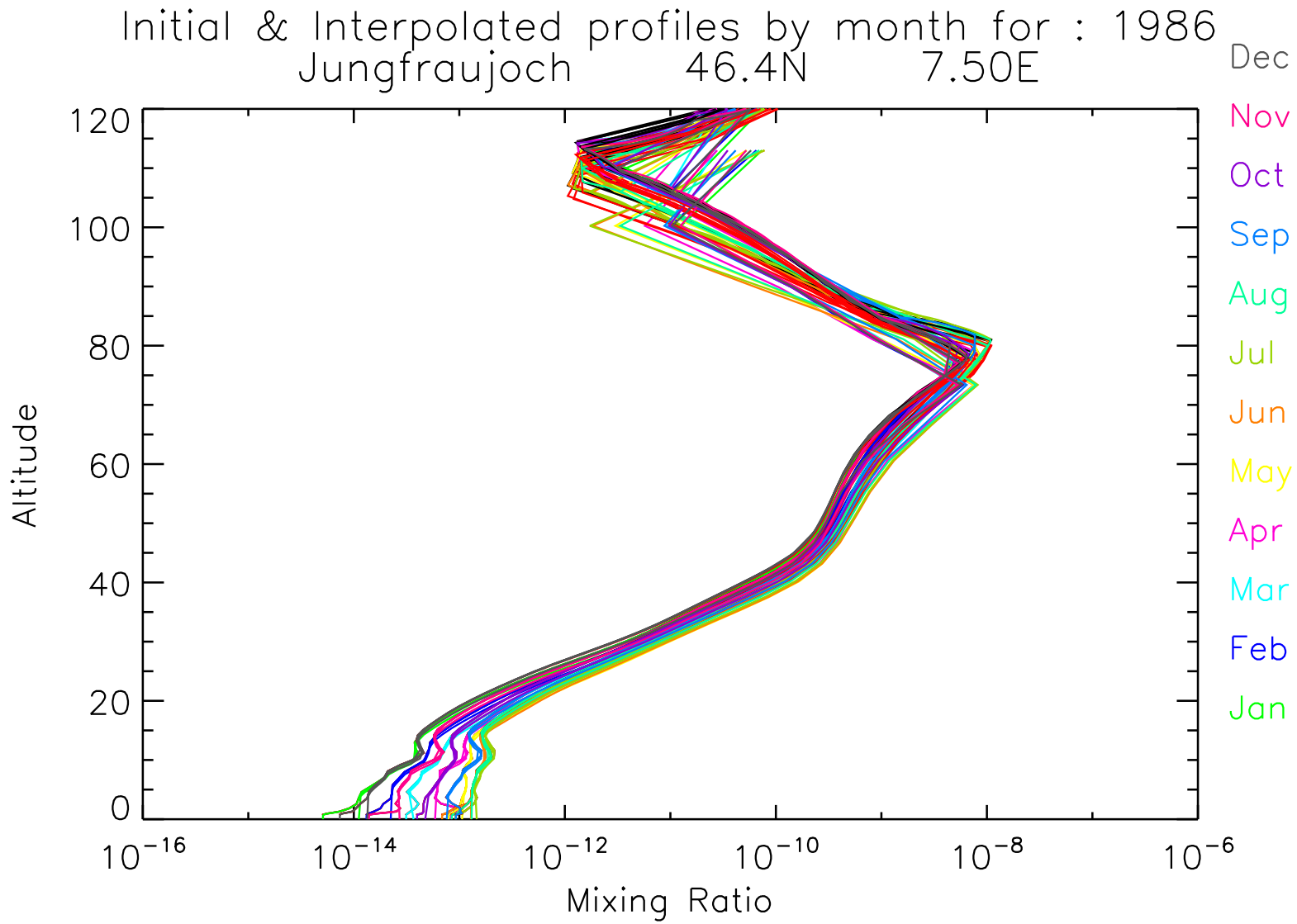
Initial & Interpolated profiles by month for : 1986
Jungfraujoch 46.4N 7.50E
Altitude
120
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0
10^{-16}
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Mixing Ratio
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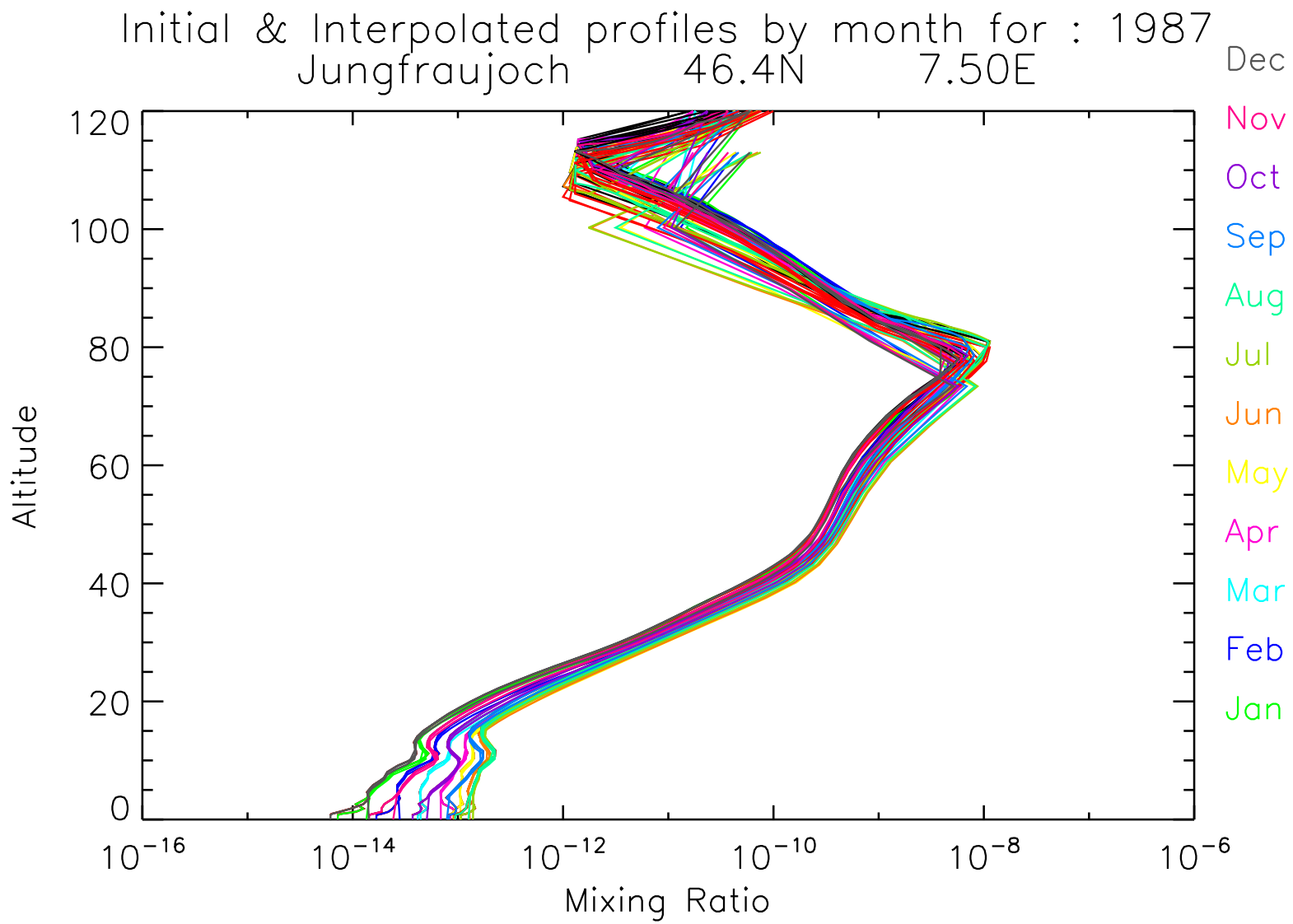
Initial & Interpolated profiles by month for : 1987
Jungfraujoch 46.4N 7.50E
Altitude
120
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0
10^{-16}
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Mixing Ratio
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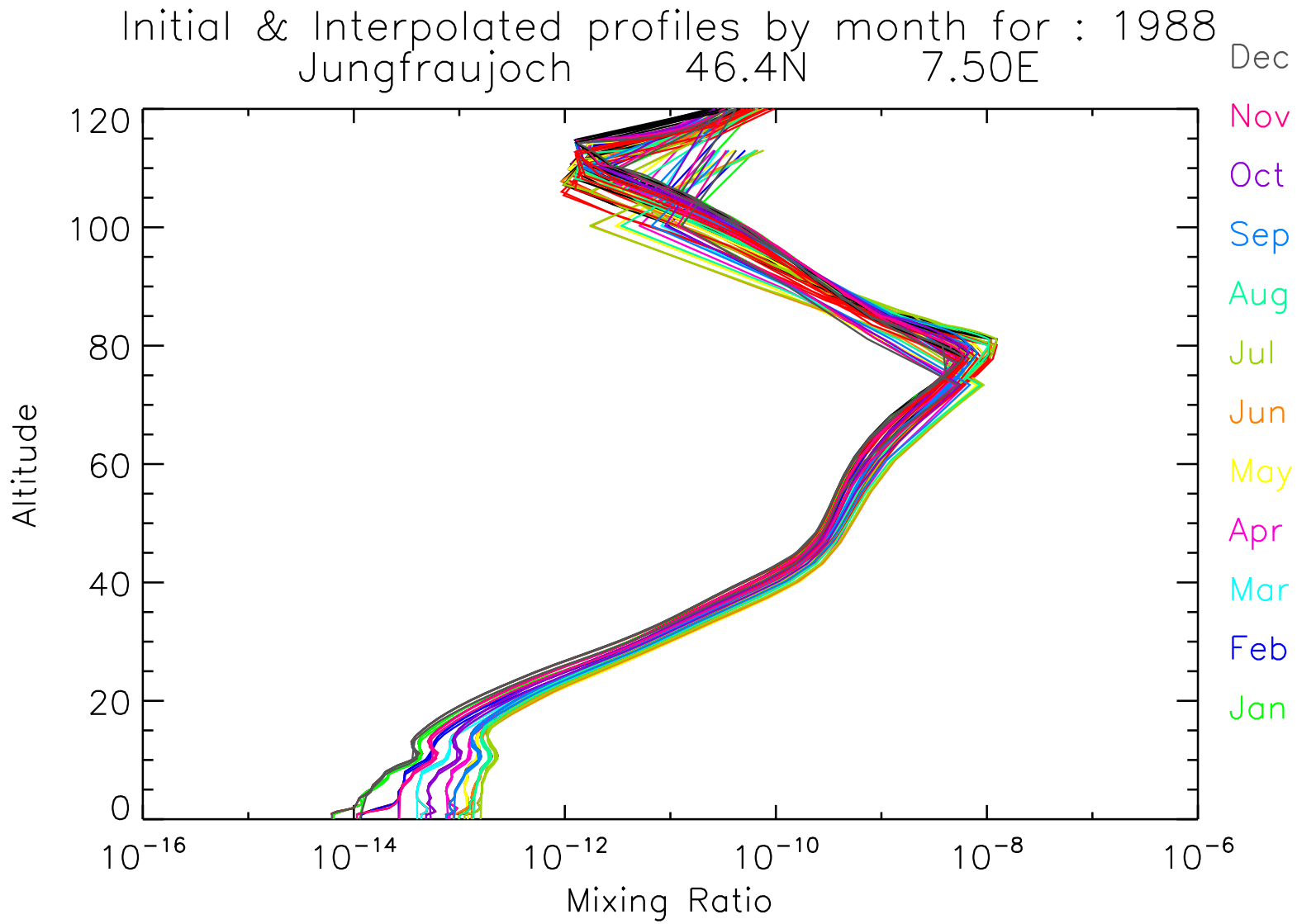
Initial & Interpolated profiles by month for : 1988
Jungfraujoch 46.4N 7.50E
Altitude
120
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0
10^{-16}
10^{-14}
10^{-12}
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10^{-6}
Mixing Ratio
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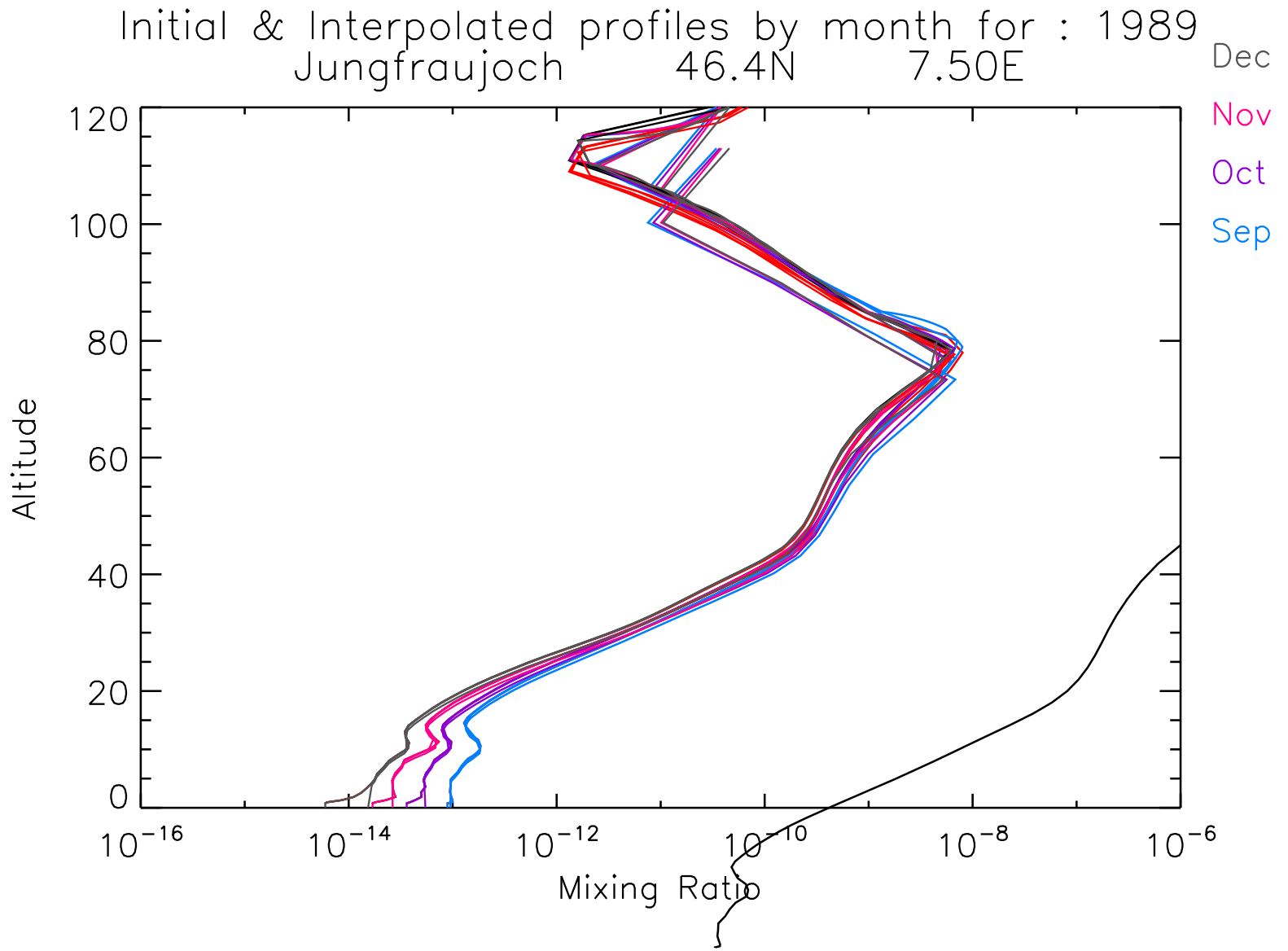
Initial & Interpolated profiles by month for : 1989
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
120
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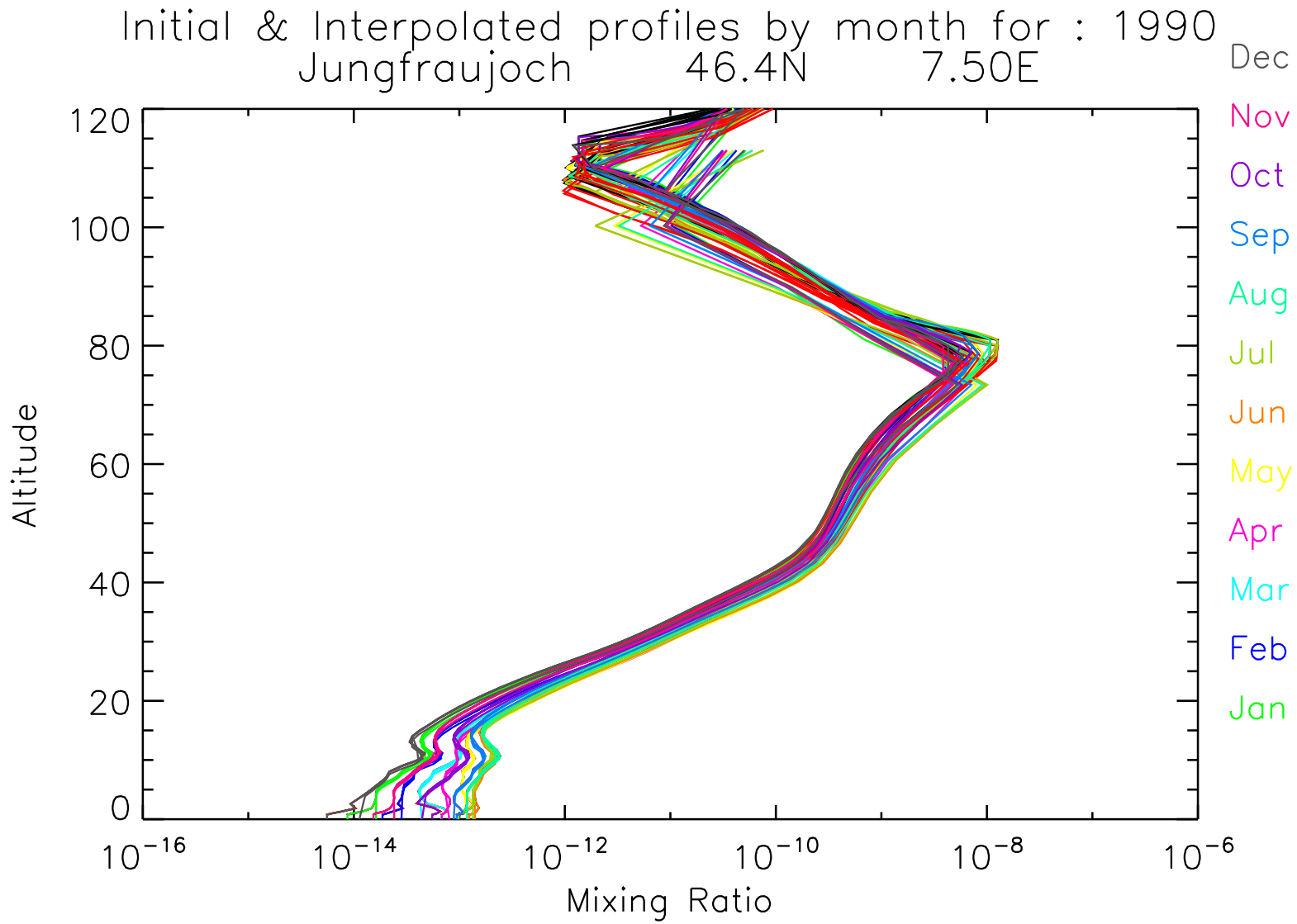
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
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Mixing Ratio
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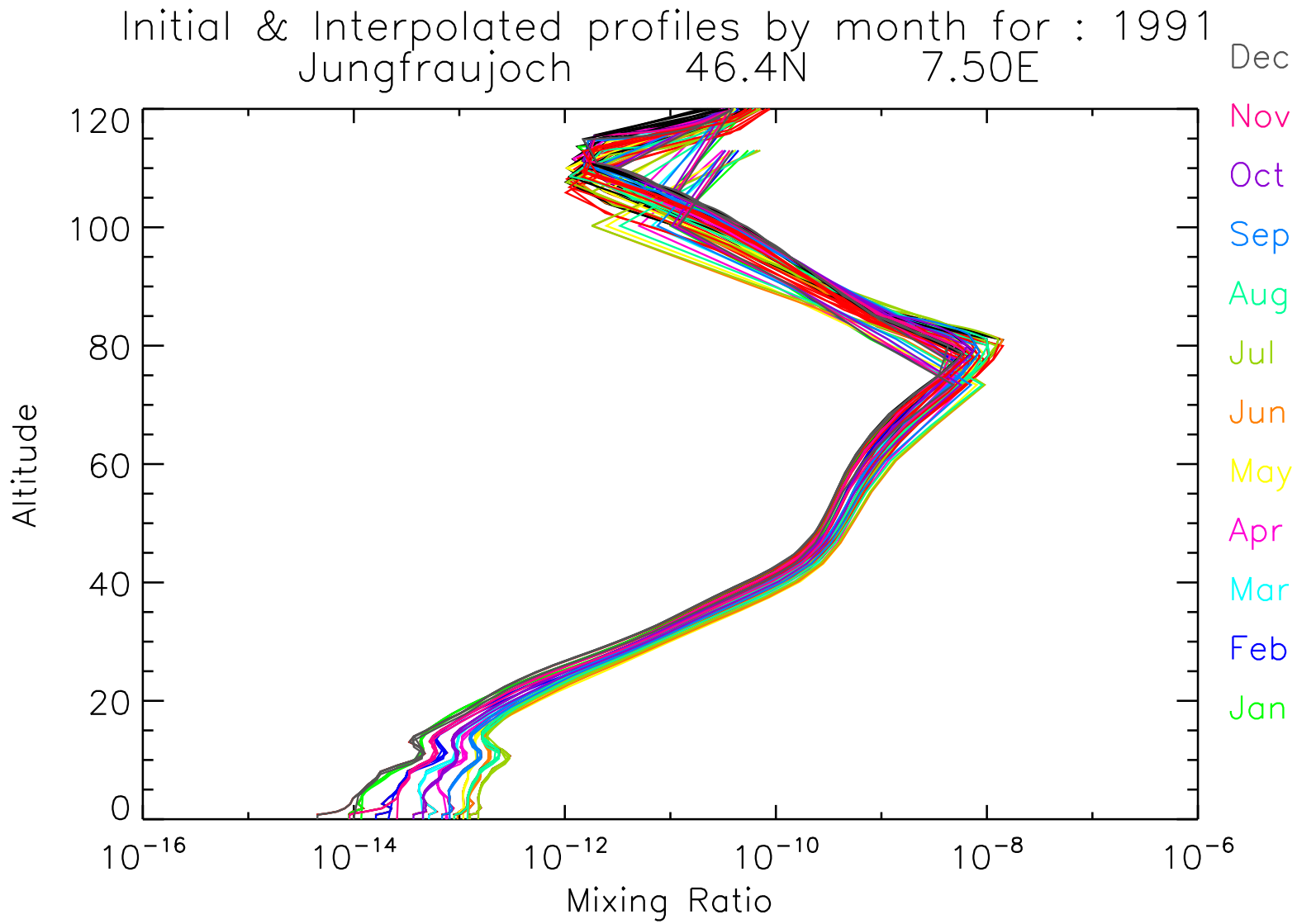
Initial & Interpolated profiles by month for : 1991
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
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10^{-6}
Mixing Ratio
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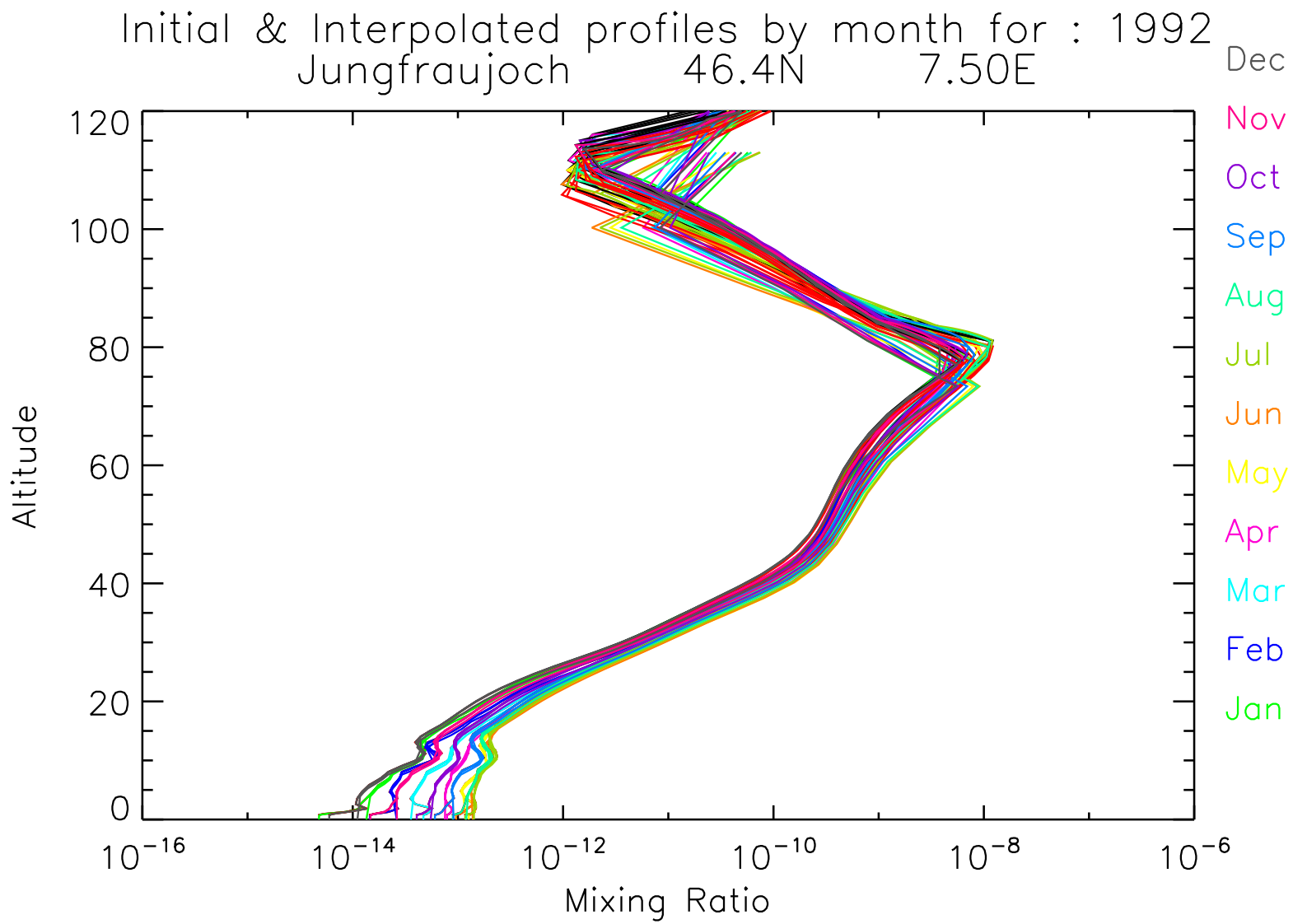
Initial & Interpolated profiles by month for : 1992
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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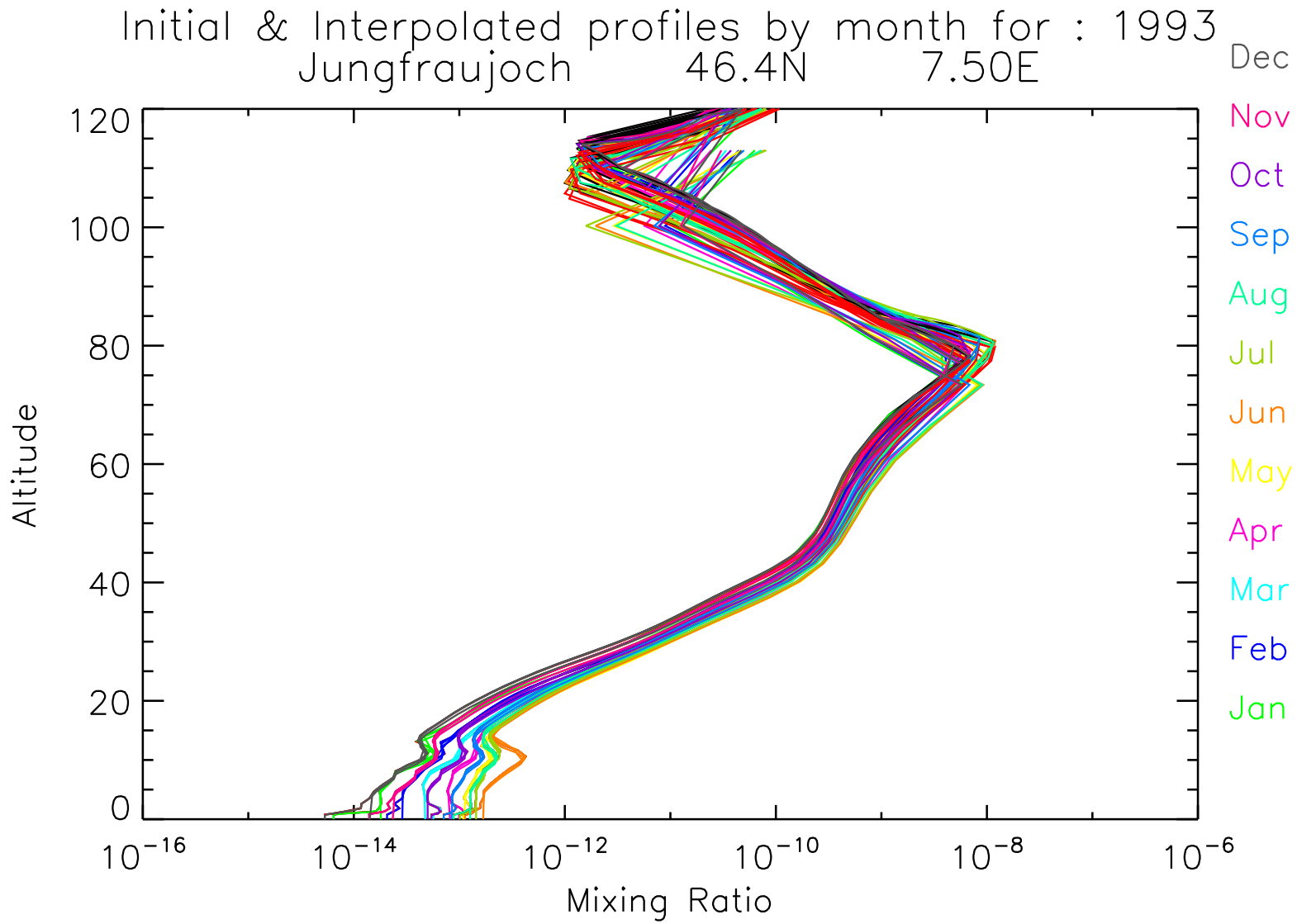
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Jungfraujoch 46.4N 7.50E
Altitude
120
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Mixing Ratio
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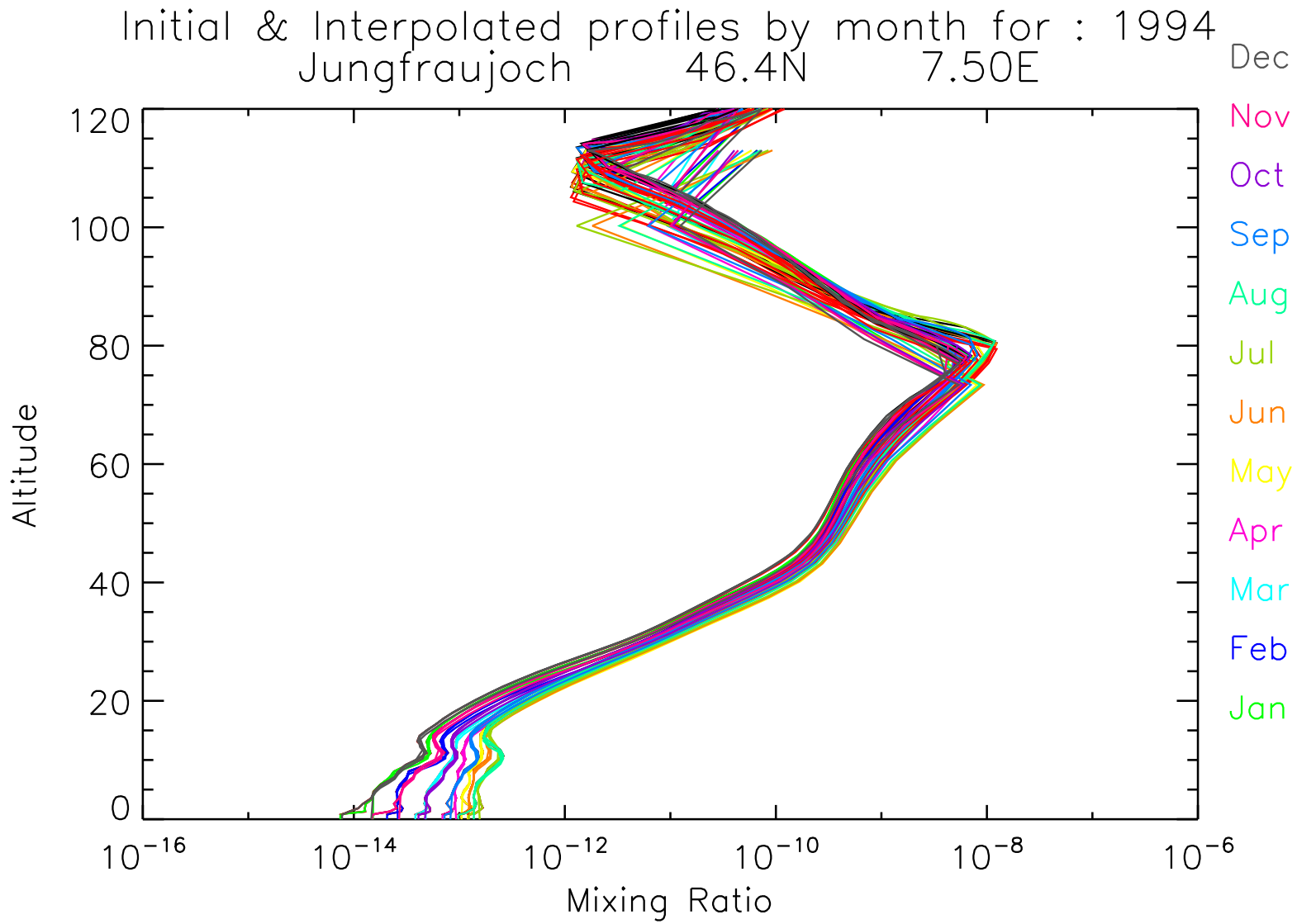
Initial & Interpolated profiles by month for : 1994
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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60
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0
10^{-16}
10^{-14}
10^{-12}
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10^{-8}
10^{-6}
Mixing Ratio
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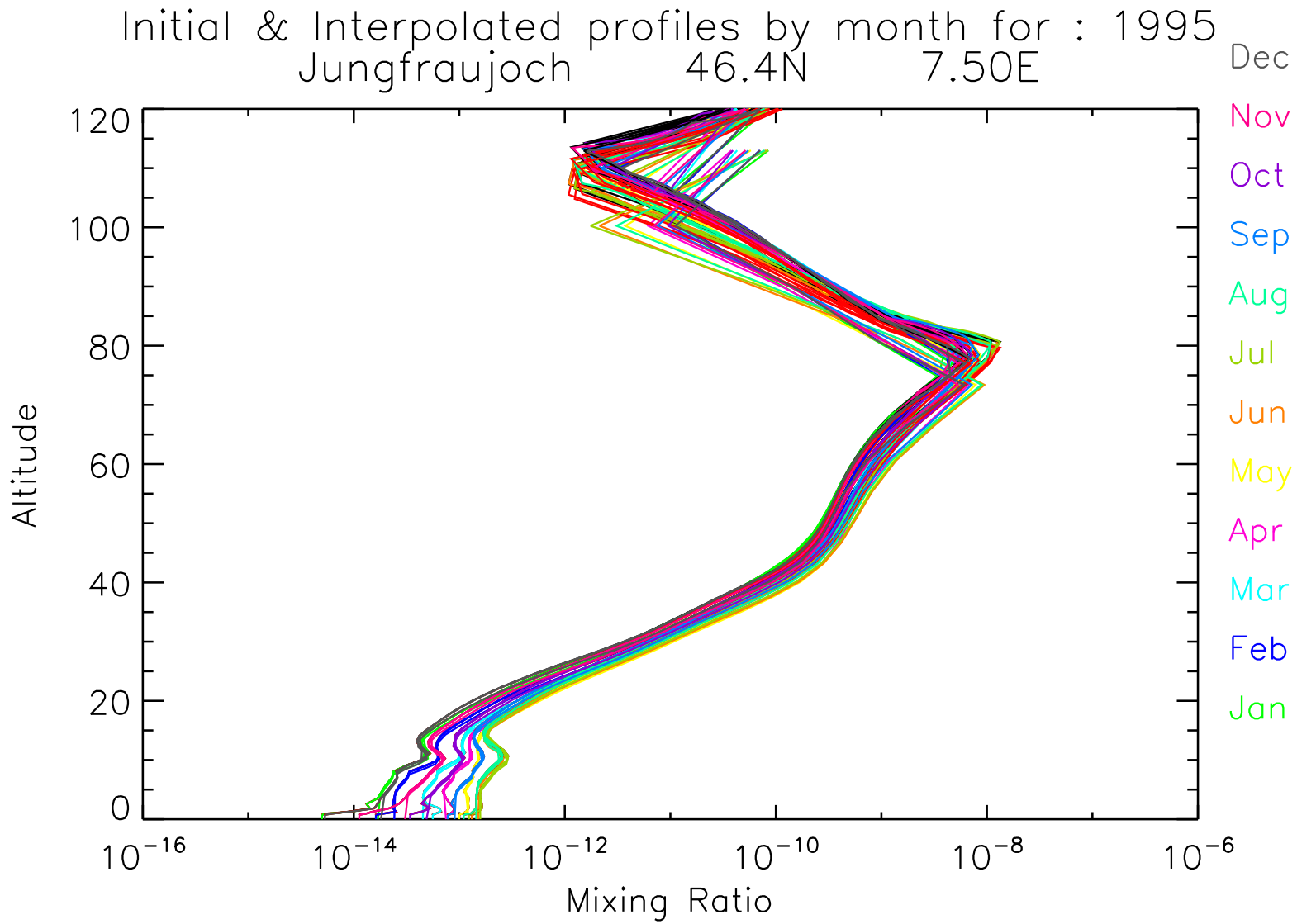
Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
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10^{-8}
10^{-6}
Mixing Ratio
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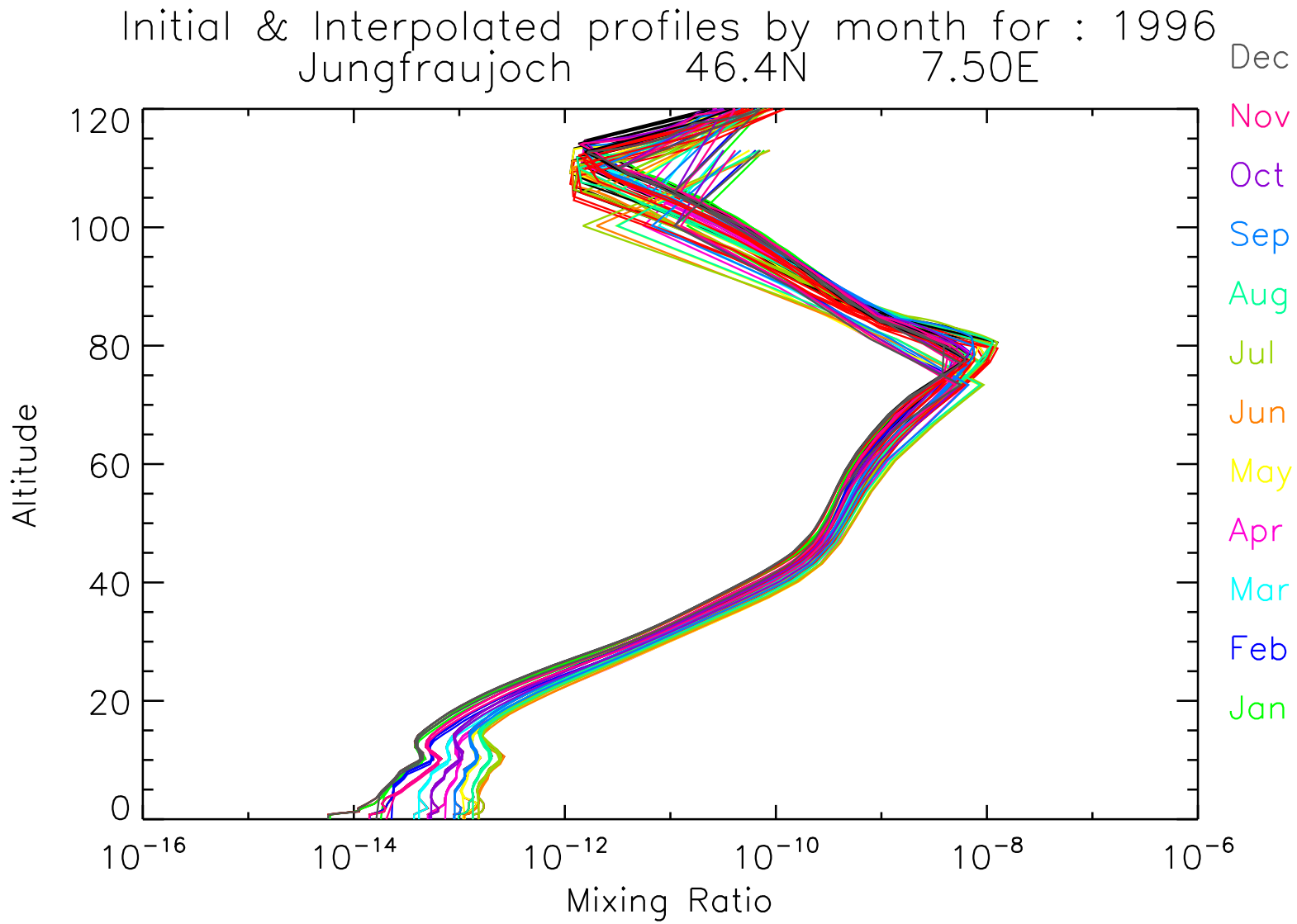
Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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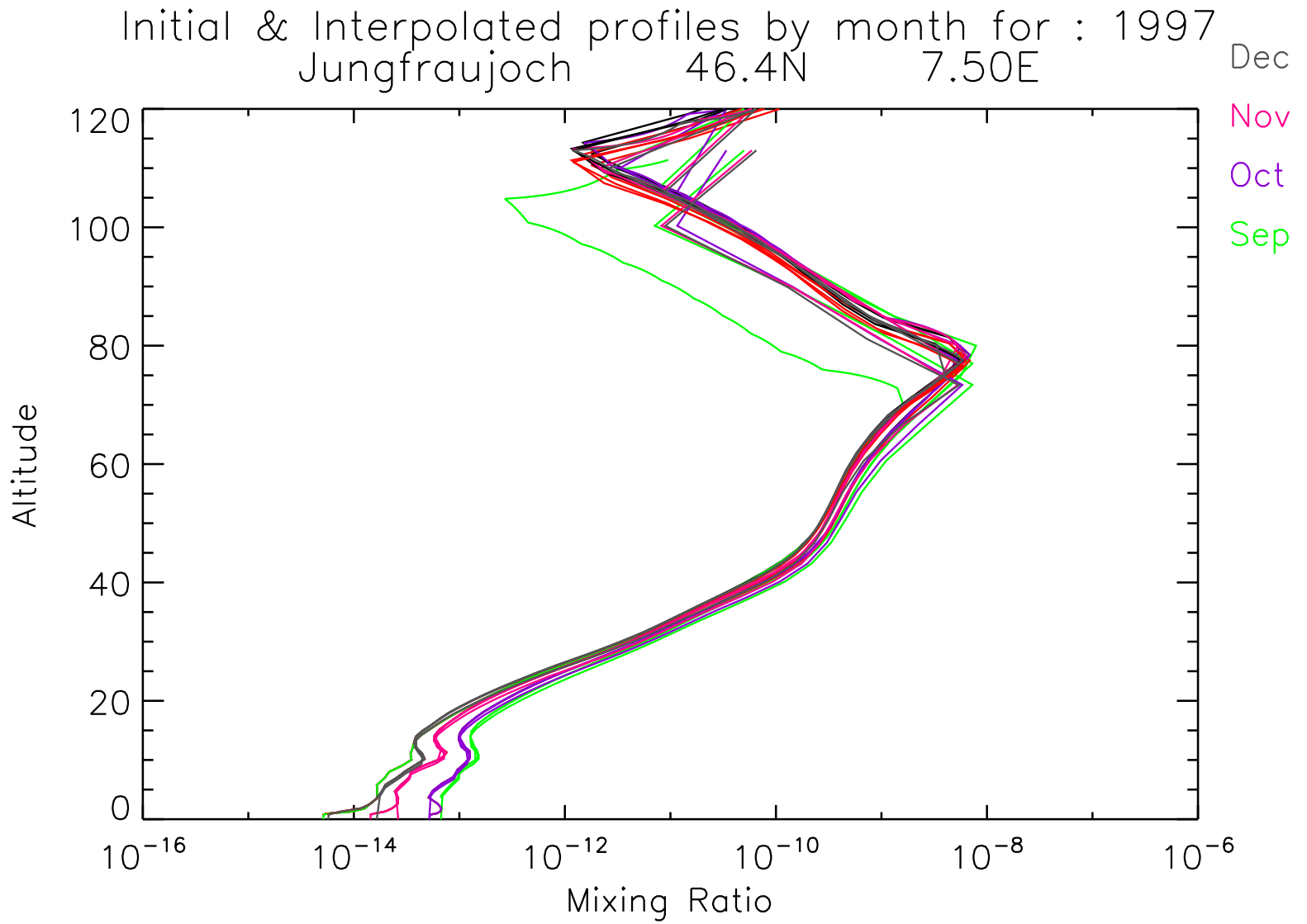
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 1997
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Altitude
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10^{-16}
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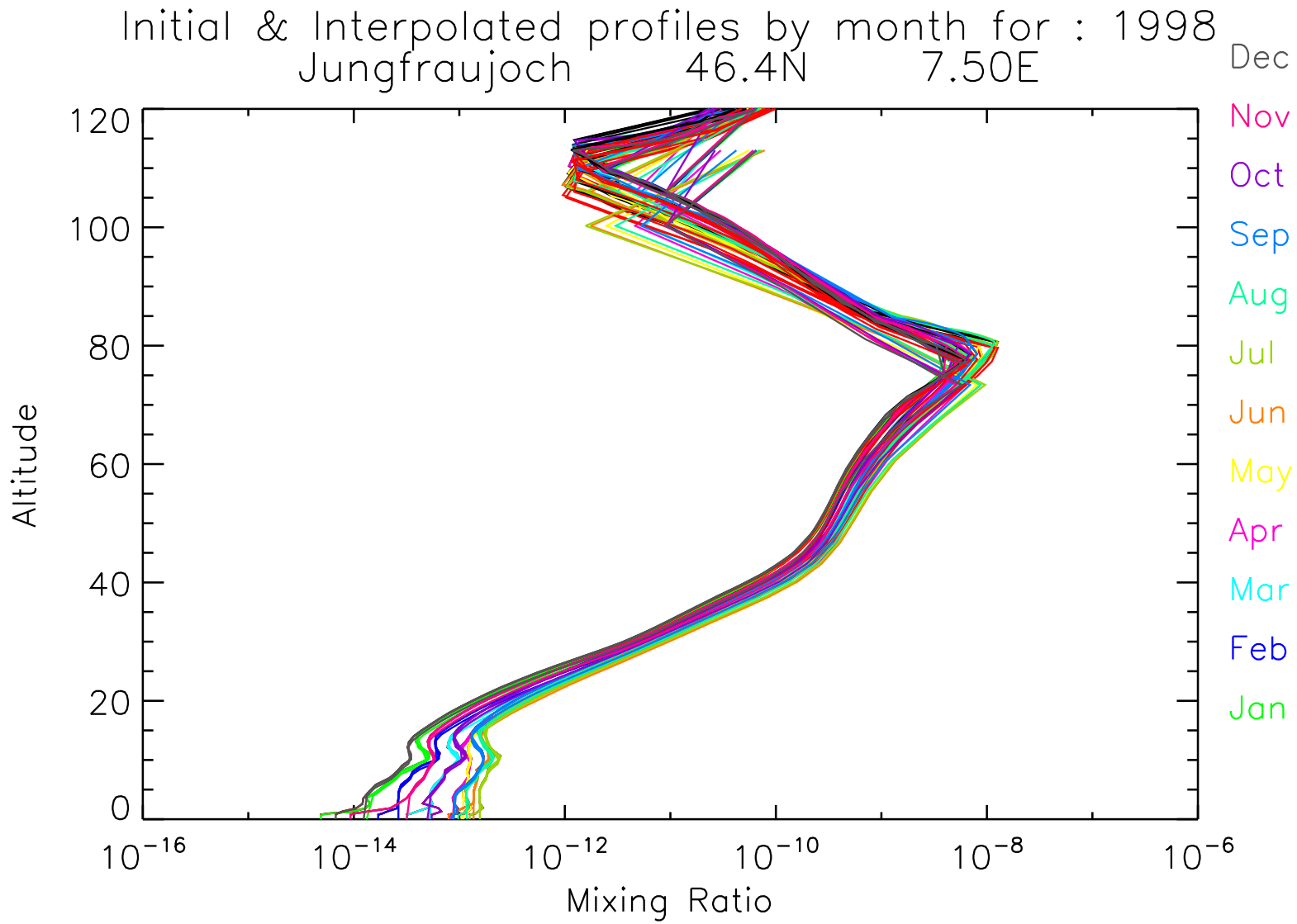
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
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Mixing Ratio
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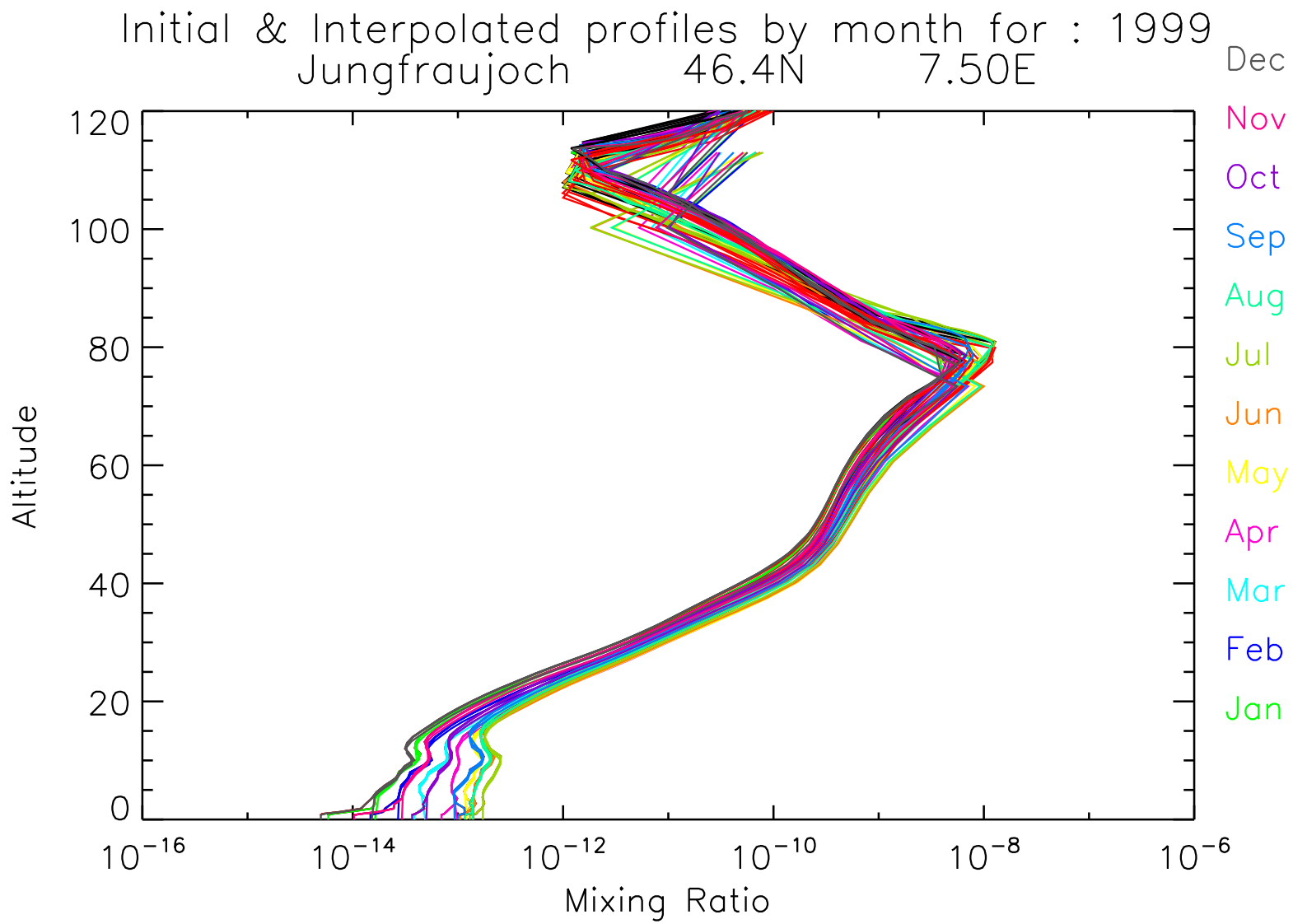
Initial & Interpolated profiles by month for : 1999
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Jan
120
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Altitude
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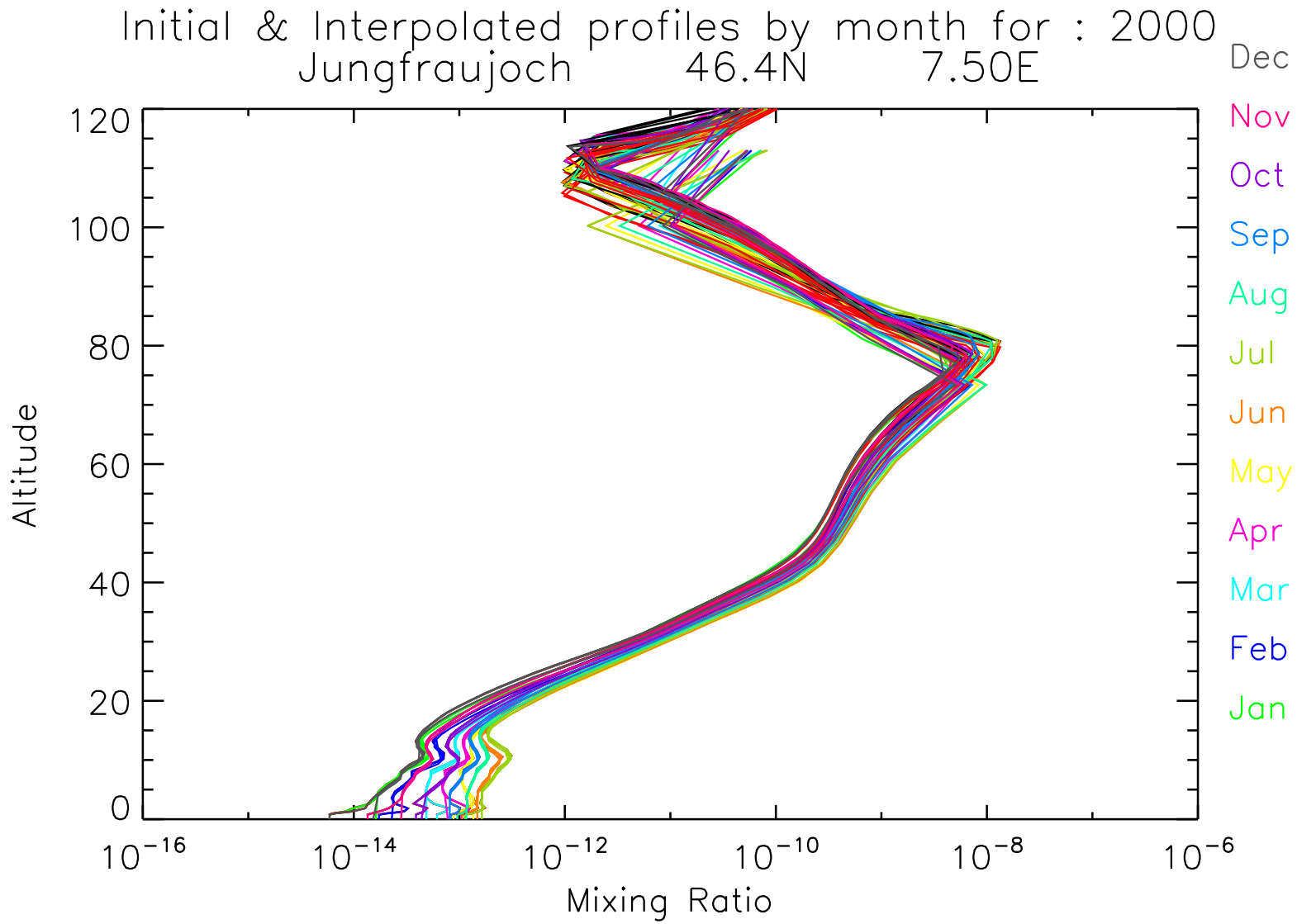
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2000
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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40
20
0
10^{-16}
10^{-14}
10^{-12}
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10^{-6}
Mixing Ratio
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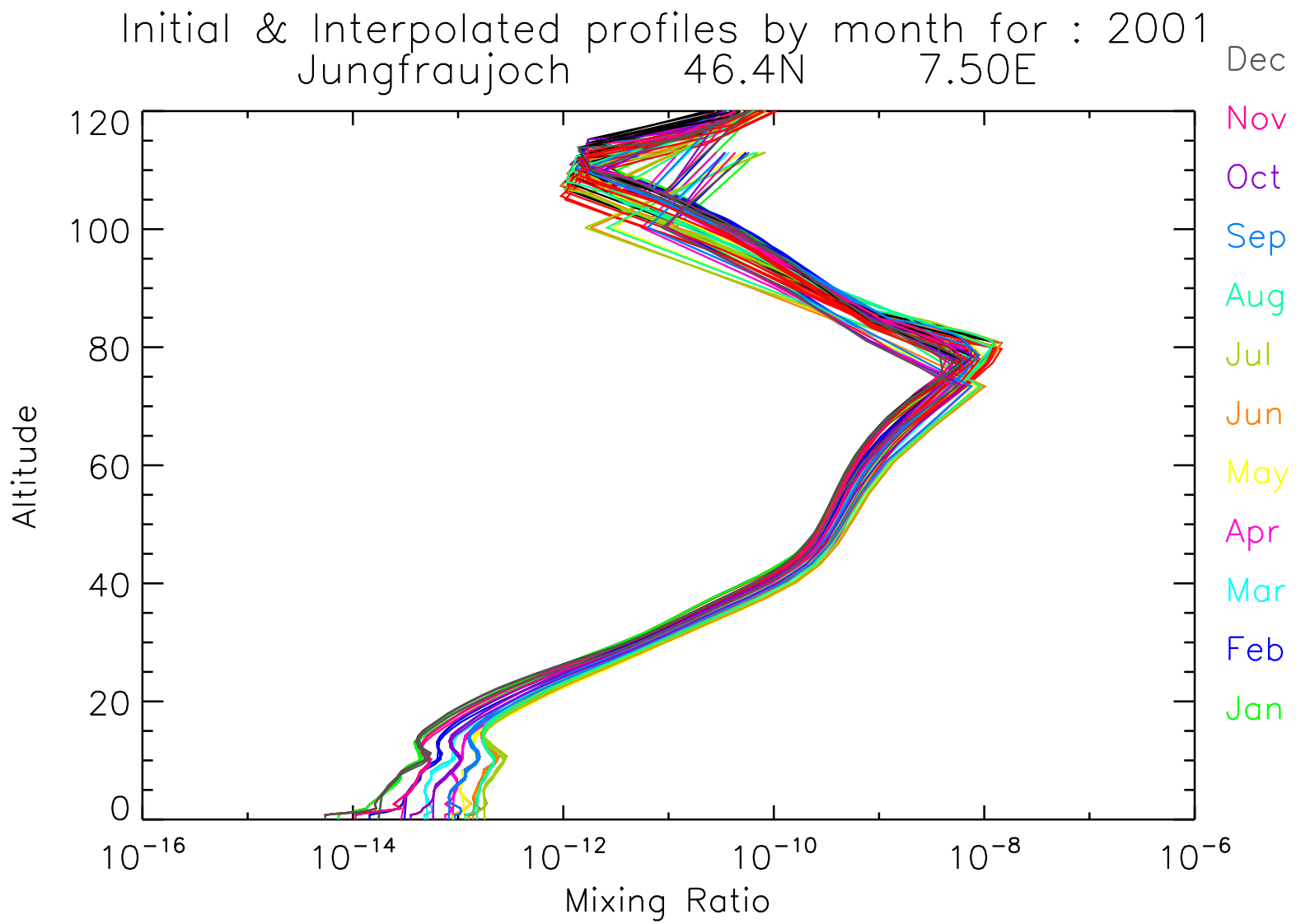
Initial & Interpolated profiles by month for : 2001
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Apr
Mar
Feb
Jan
Altitude
120
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80
60
40
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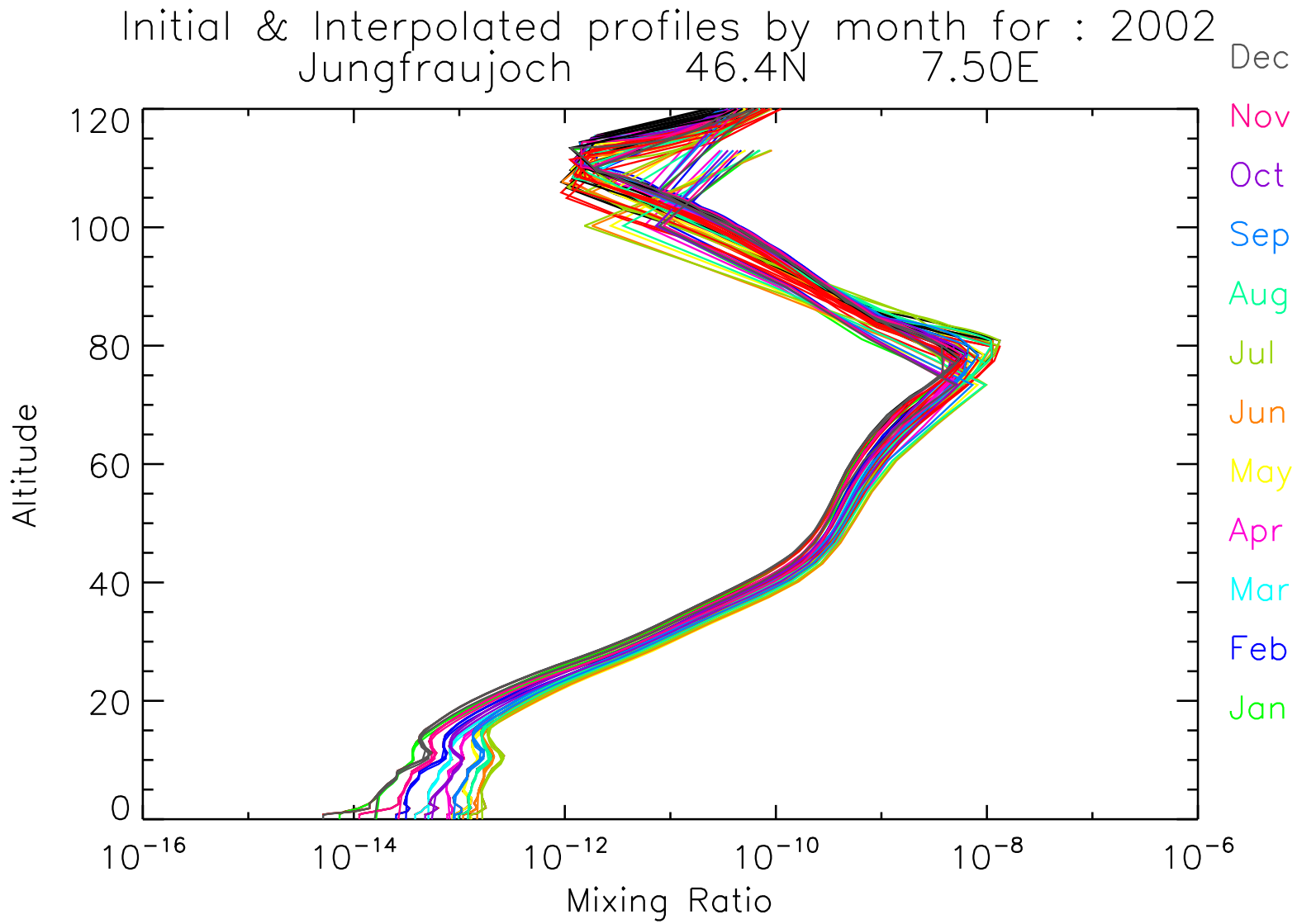
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2002
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
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60
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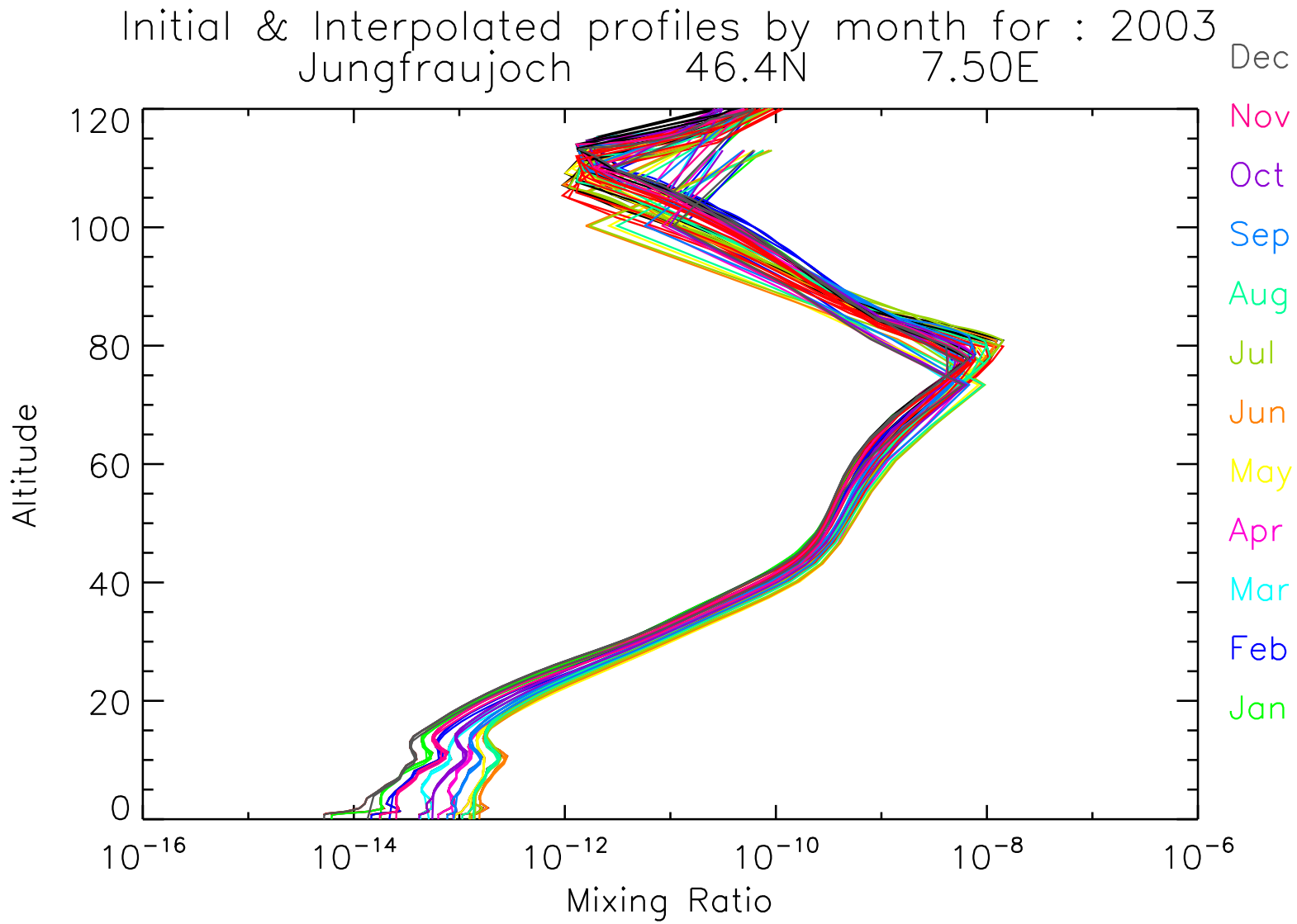
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
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10^{-14}
10^{-12}
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10^{-6}
Mixing Ratio
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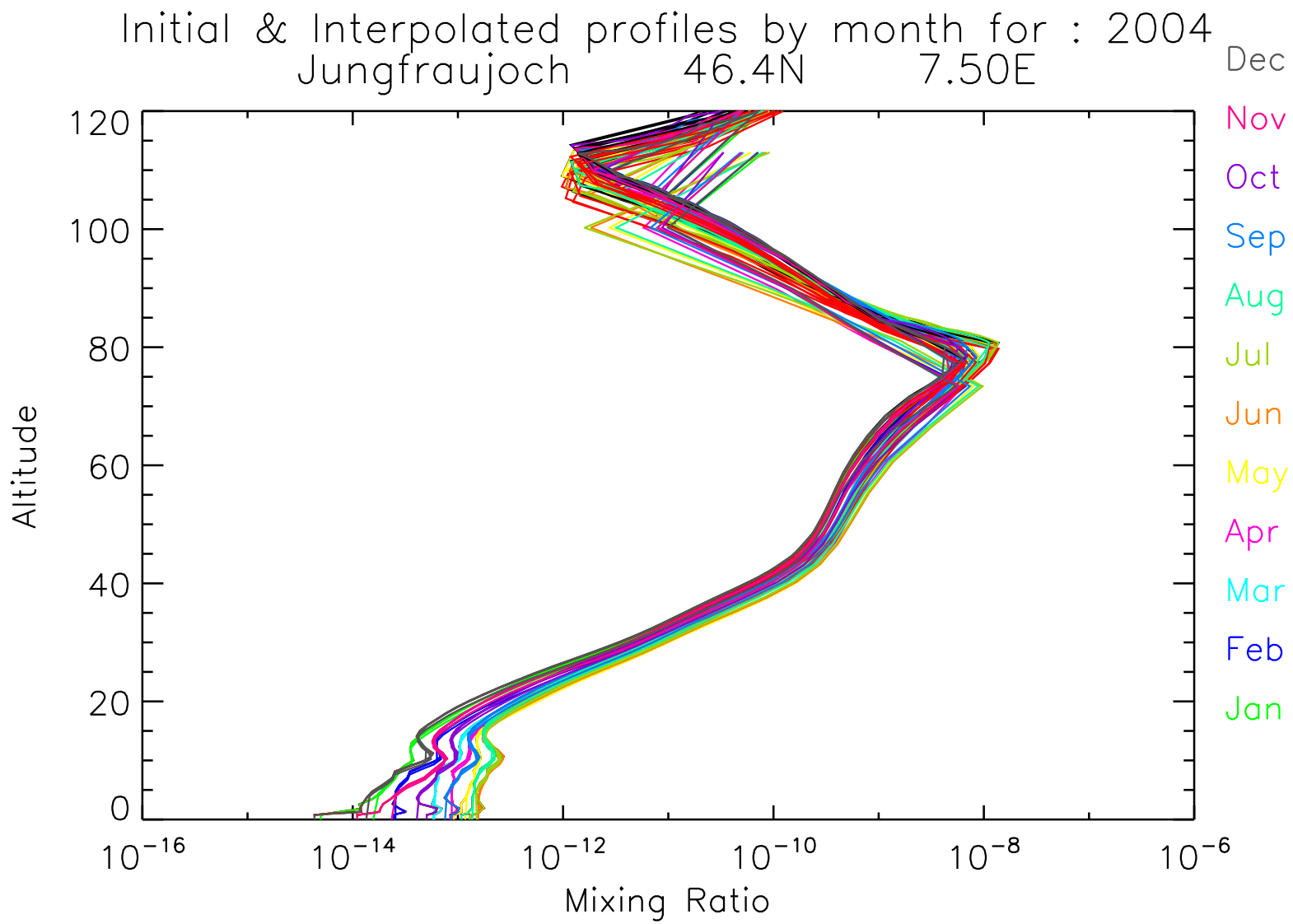
Initial & Interpolated profiles by month for : 2004
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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40
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0
10^{-16}
10^{-14}
10^{-12}
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10^{-6}
Mixing Ratio
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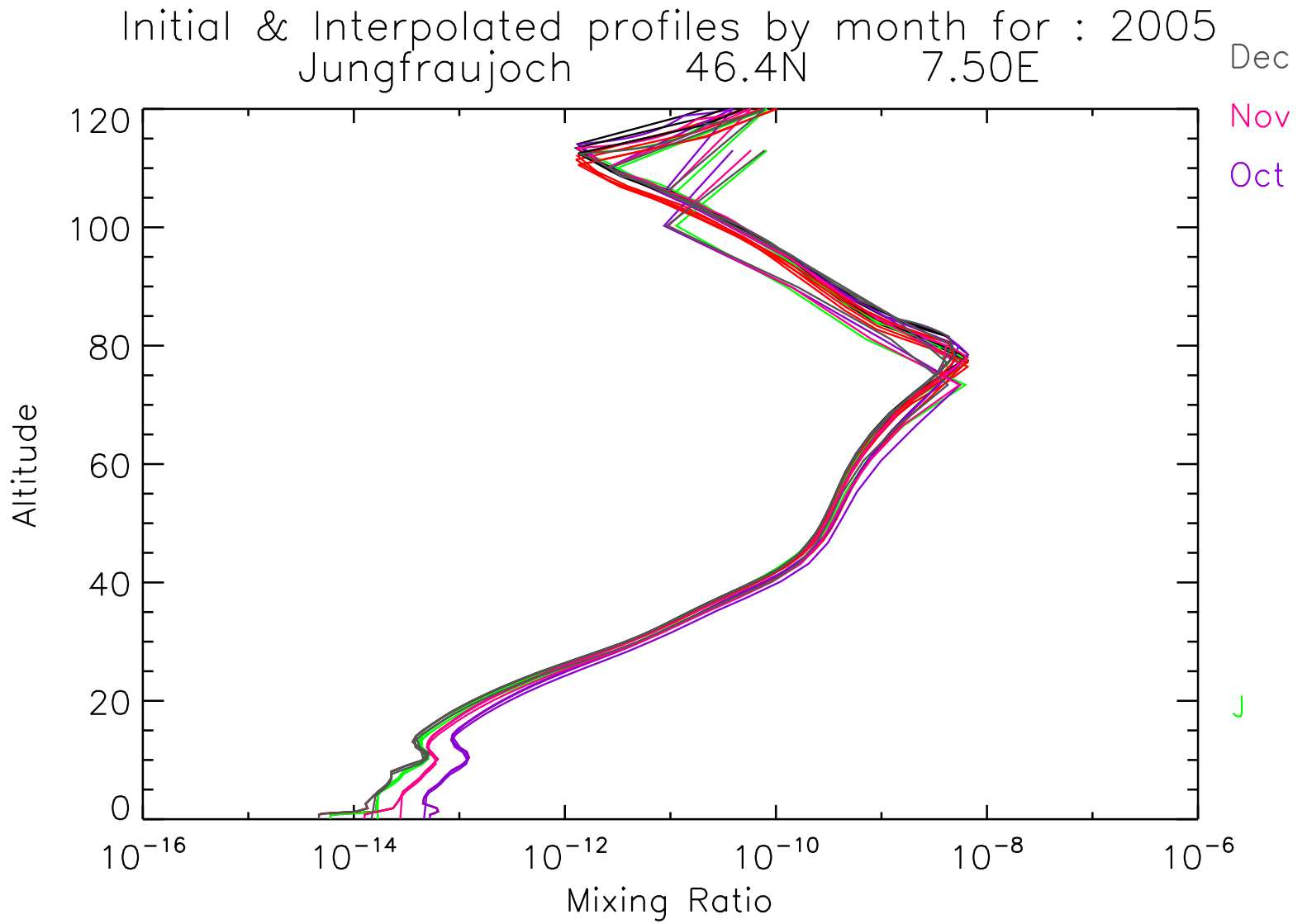
Initial & Interpolated profiles by month for : 2005
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Altitude
120
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10^{-16}
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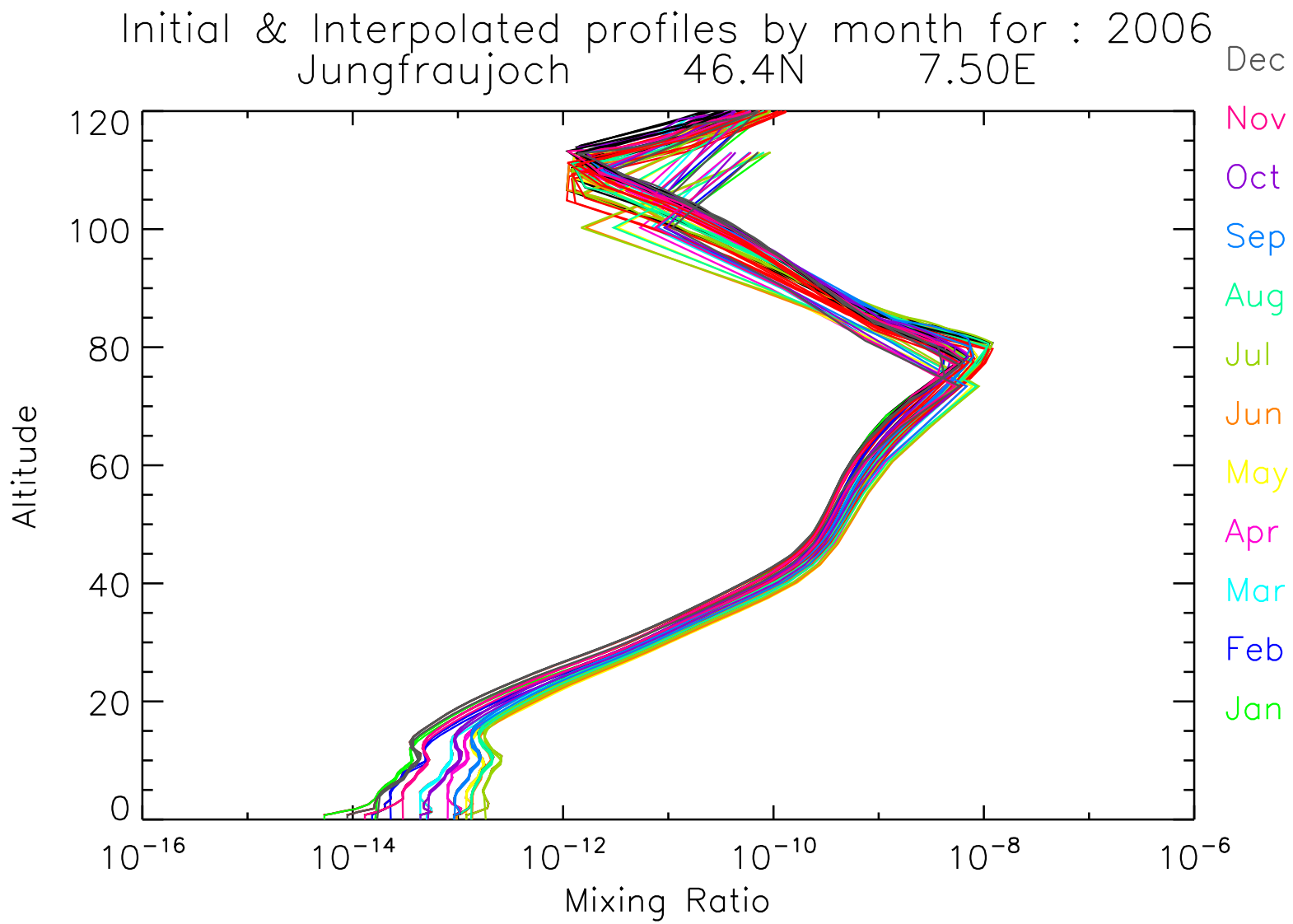
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2006
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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40
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10^{-16}
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10^{-6}
Mixing Ratio
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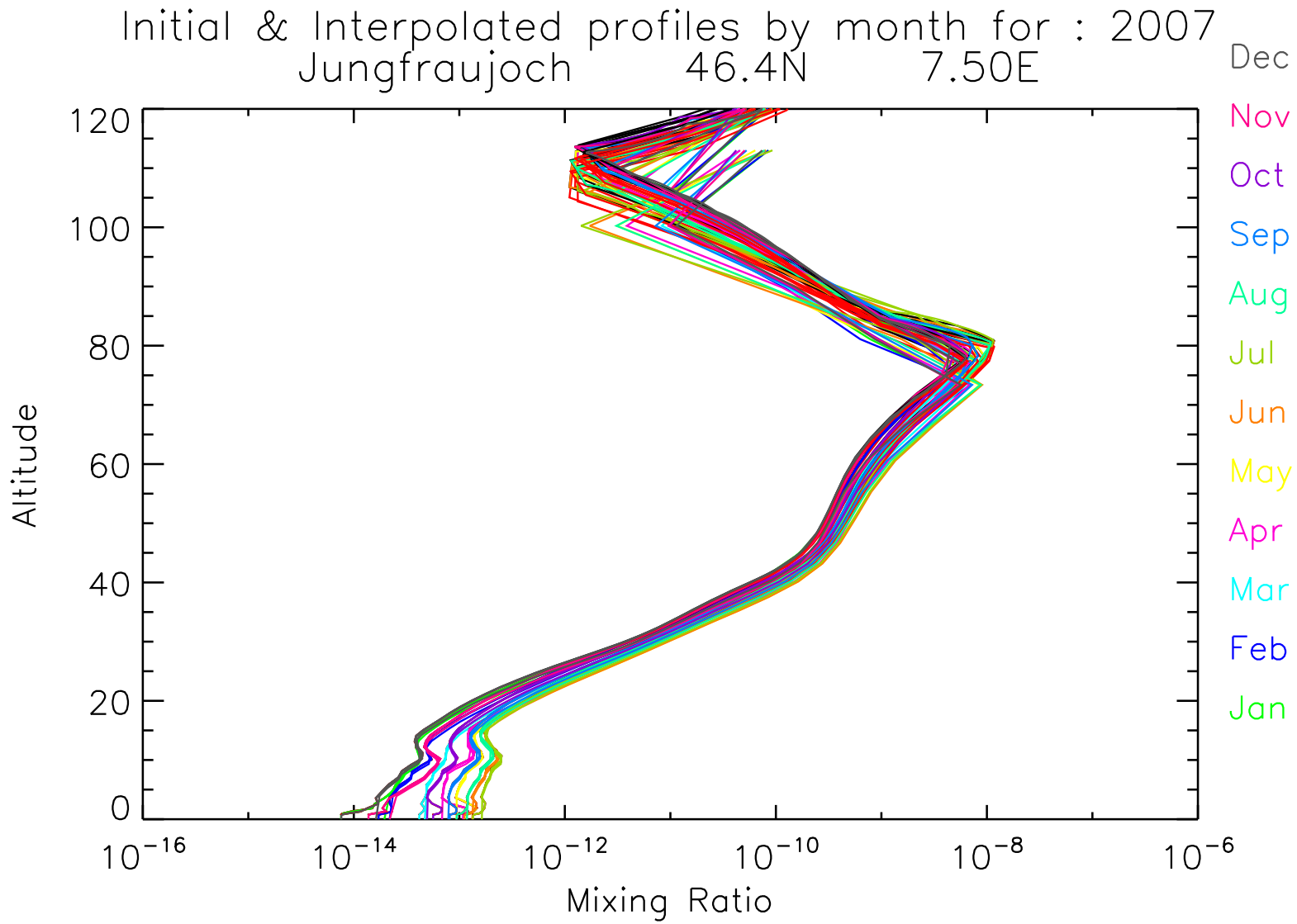
Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
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10^{-6}
Mixing Ratio
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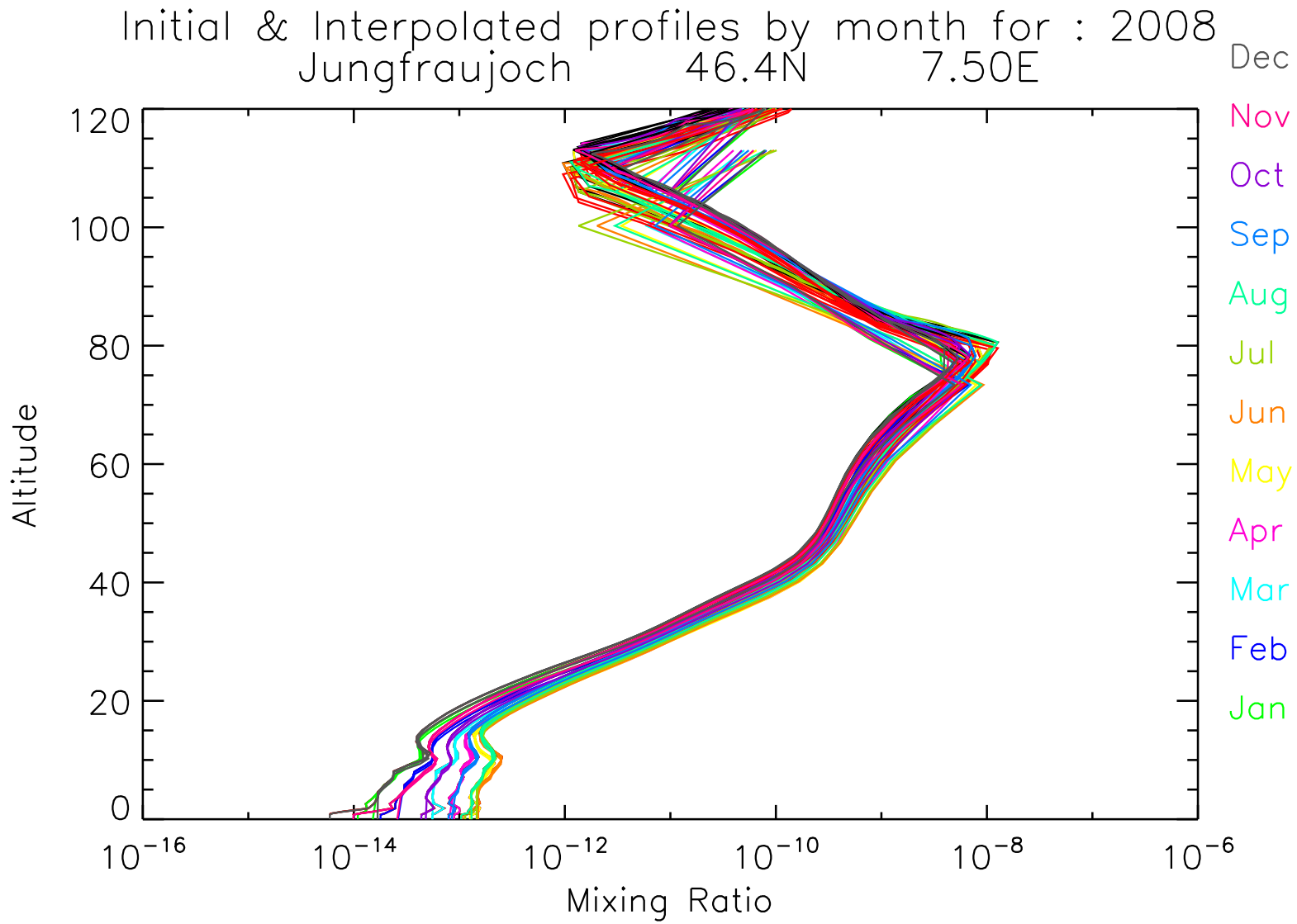
Initial & Interpolated profiles by month for : 2008
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
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Jan
Altitude
120
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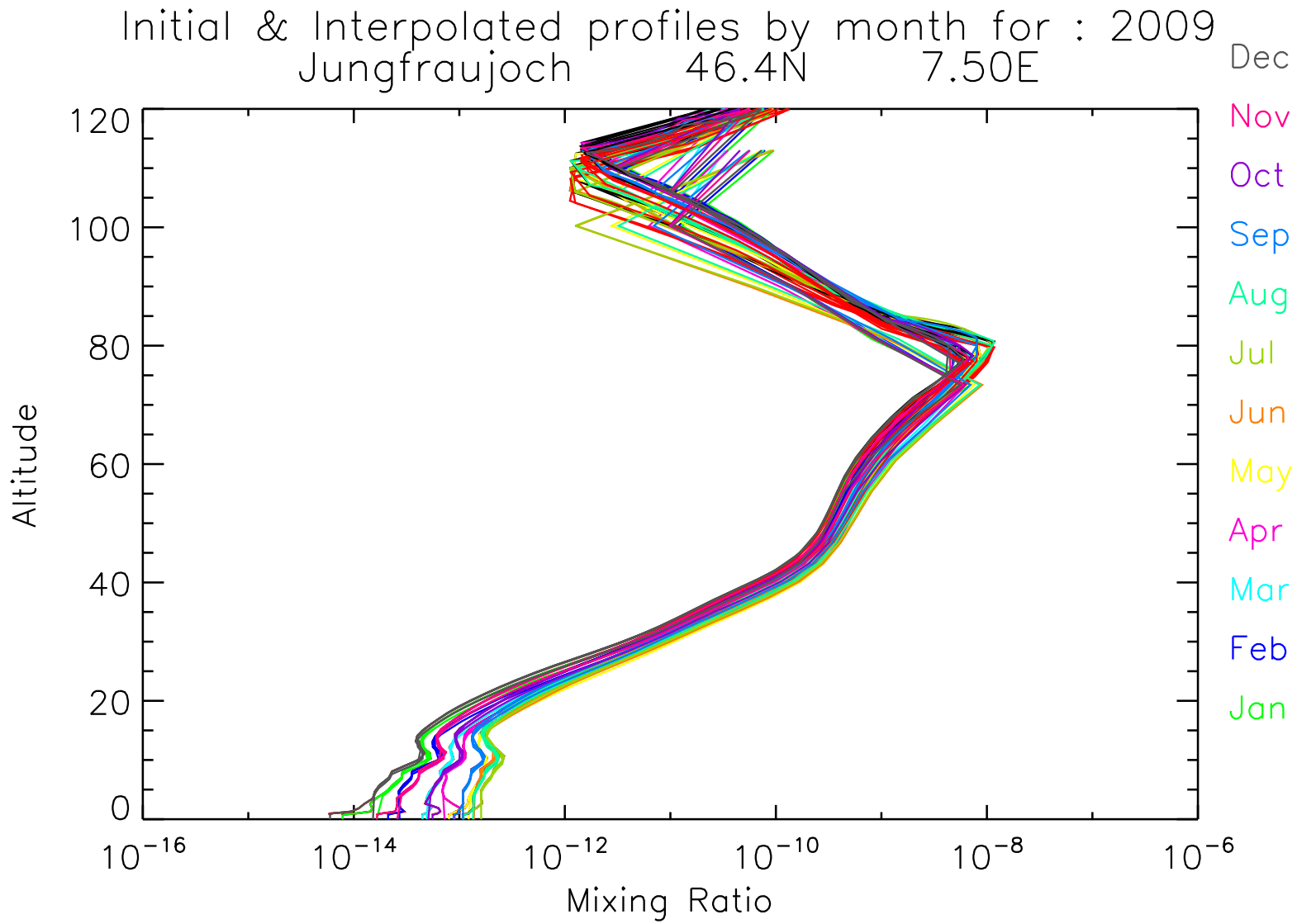
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Initial & Interpolated profiles by month for : 2009
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
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0
10^{-16}
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10^{-12}
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10^{-6}
Mixing Ratio
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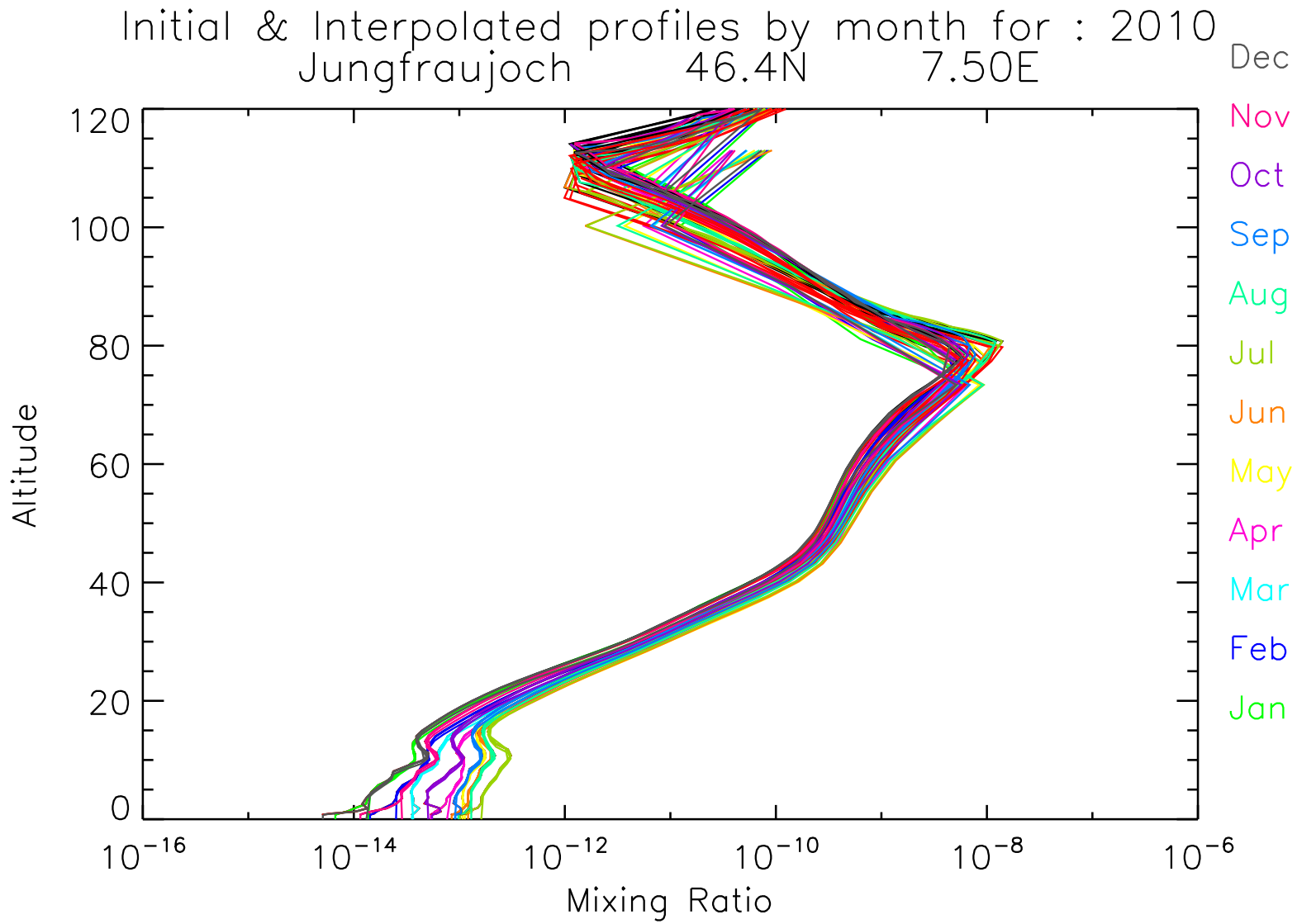
Initial & Interpolated profiles by month for : 2010
Jungfraujoch 46.4N 7.50E
Dec
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Jan
120
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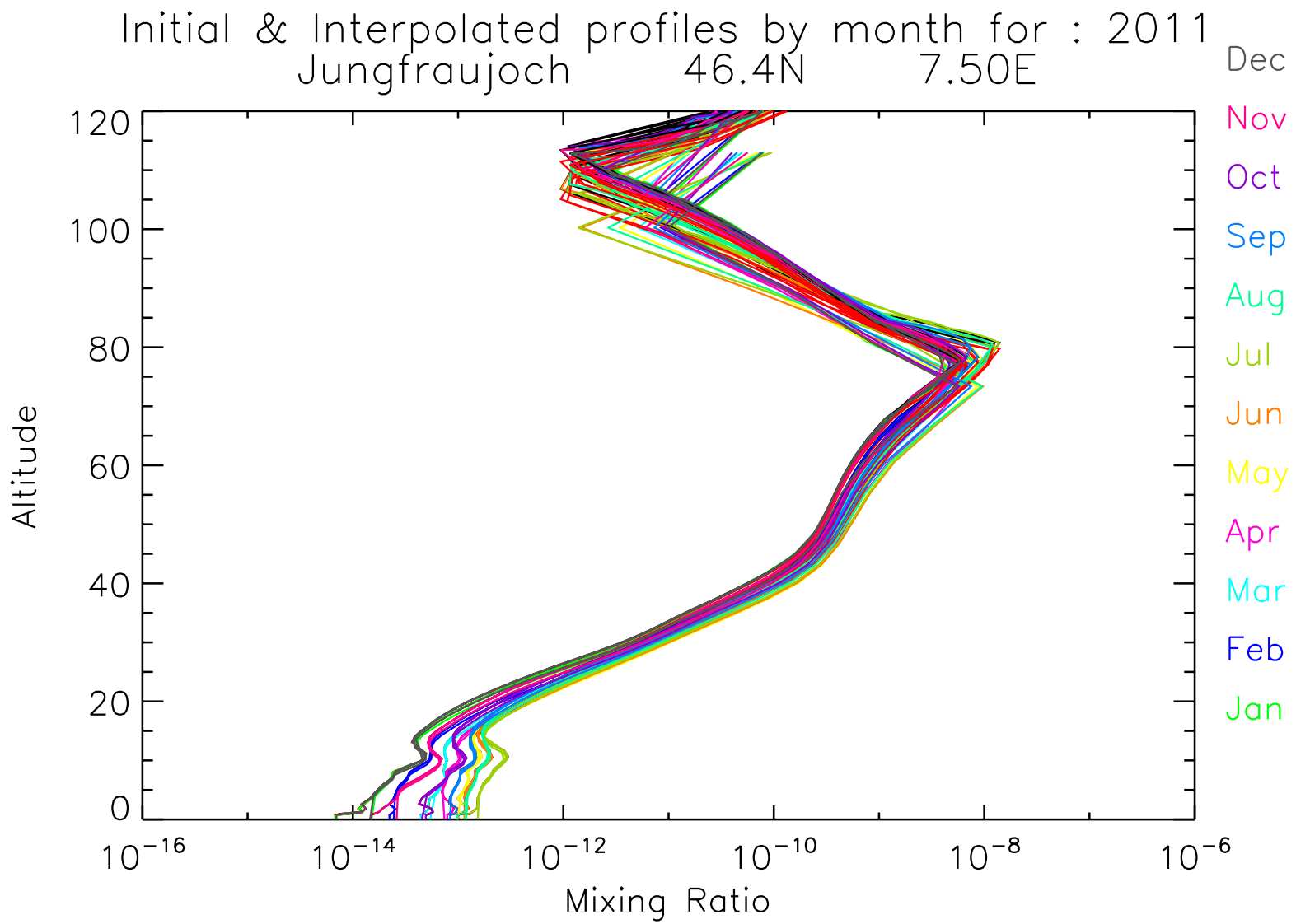
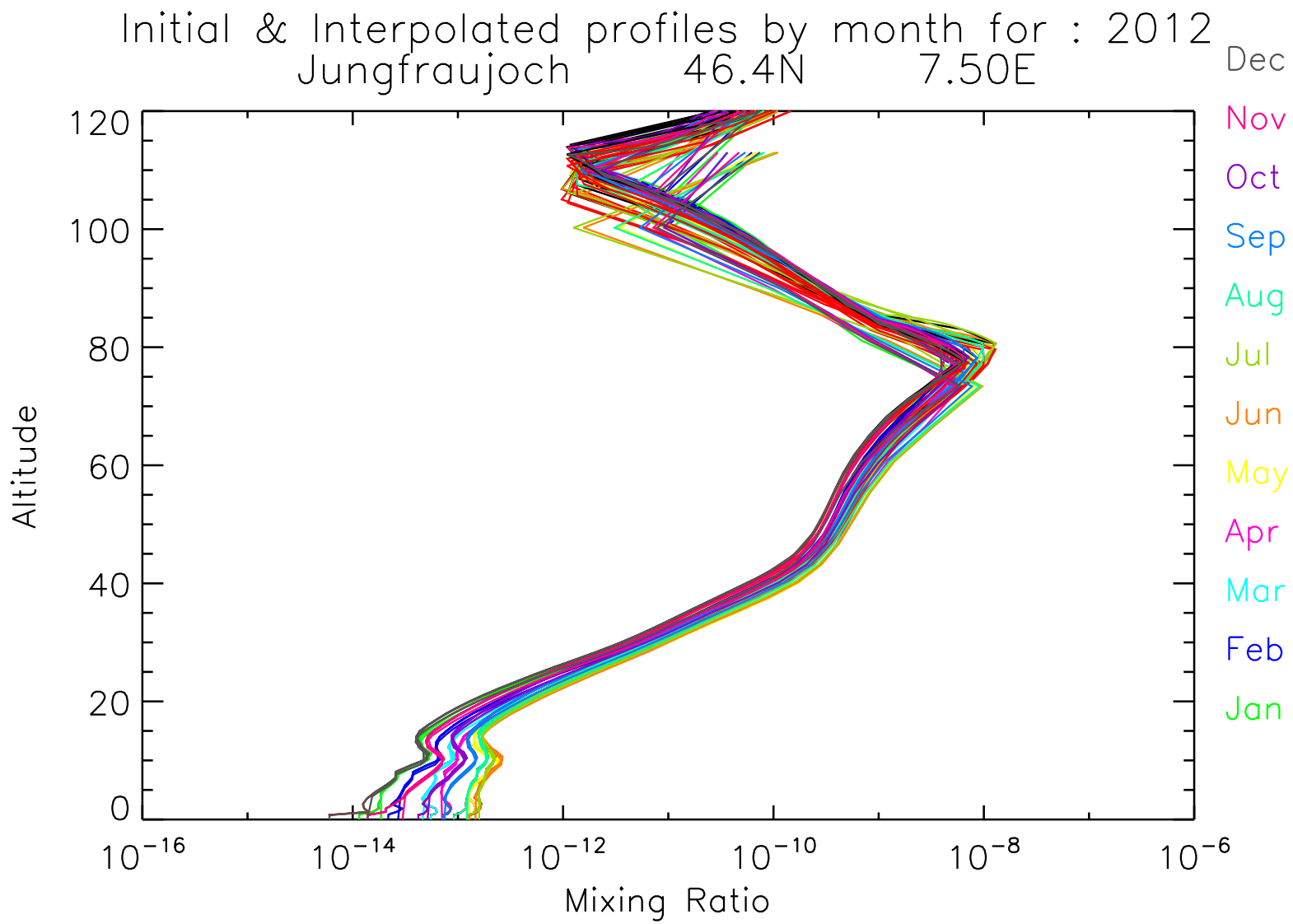
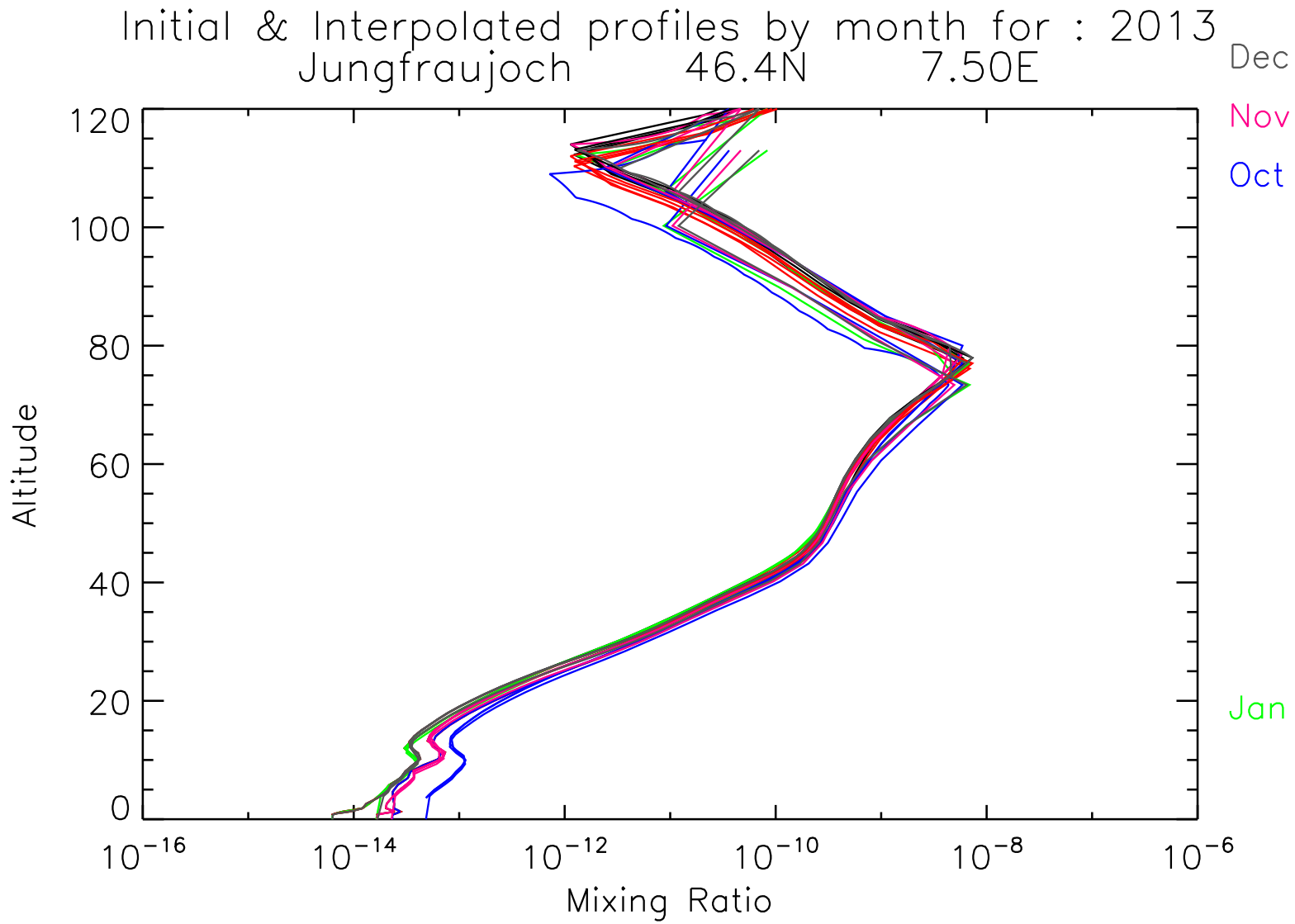
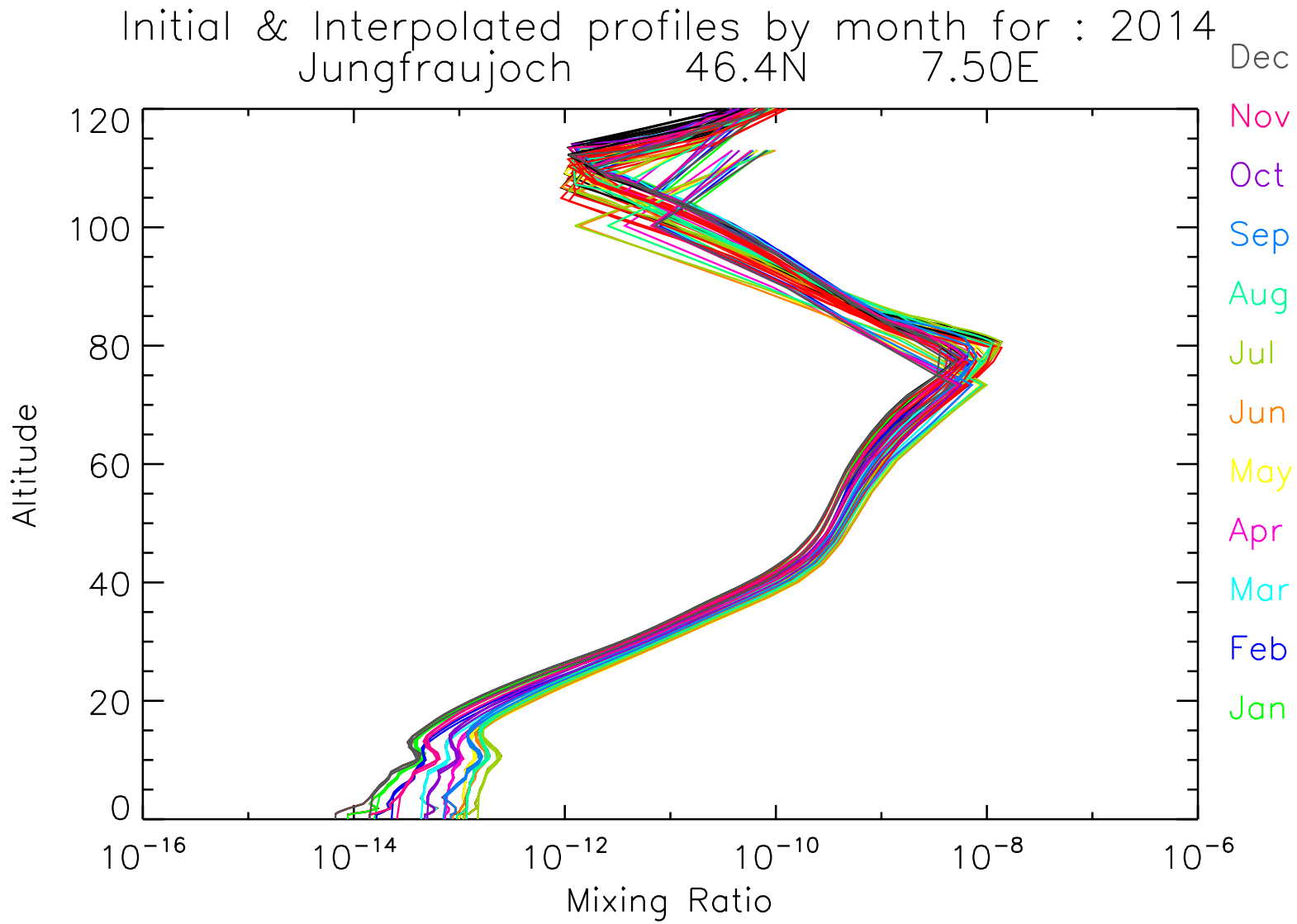
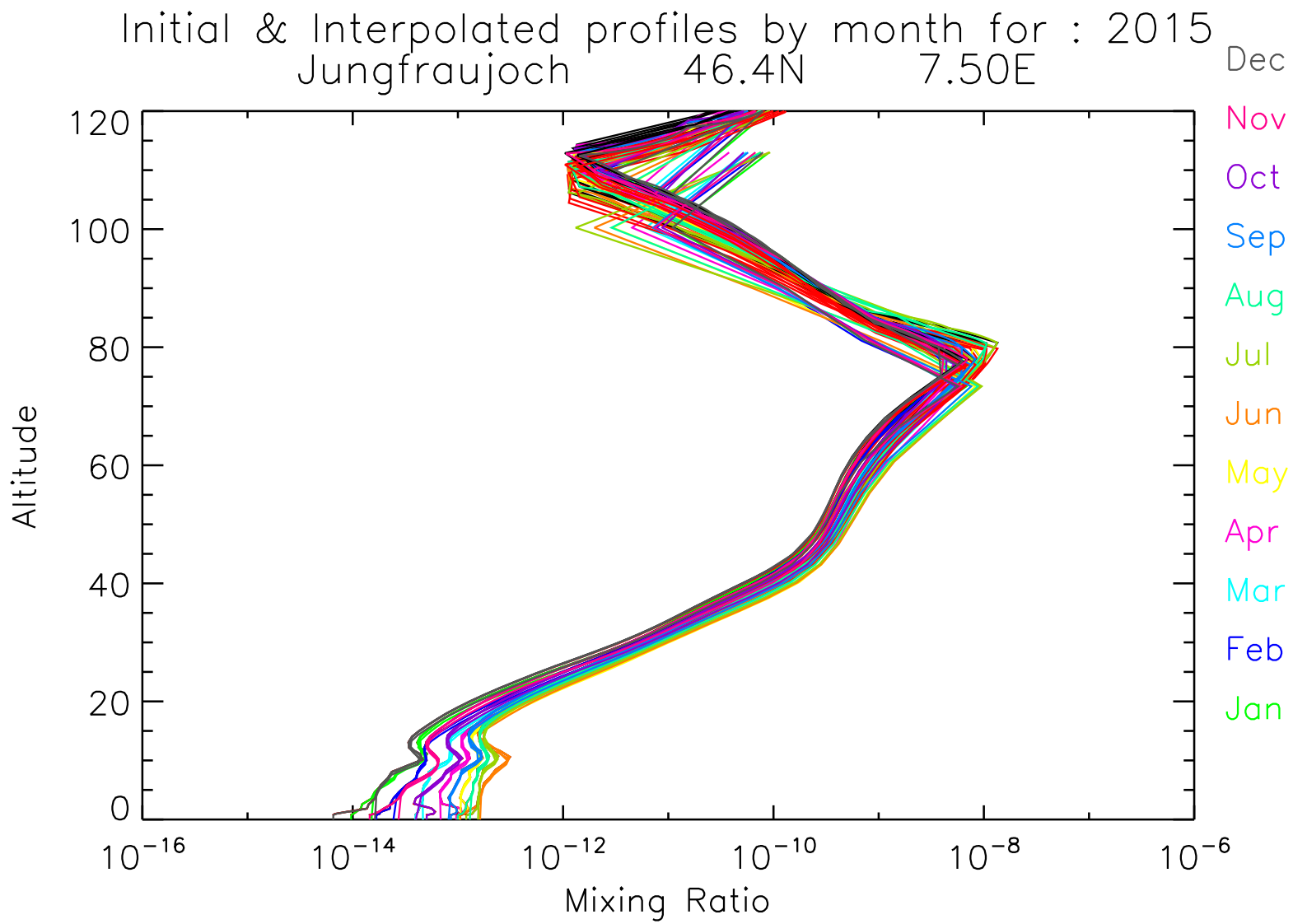
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio

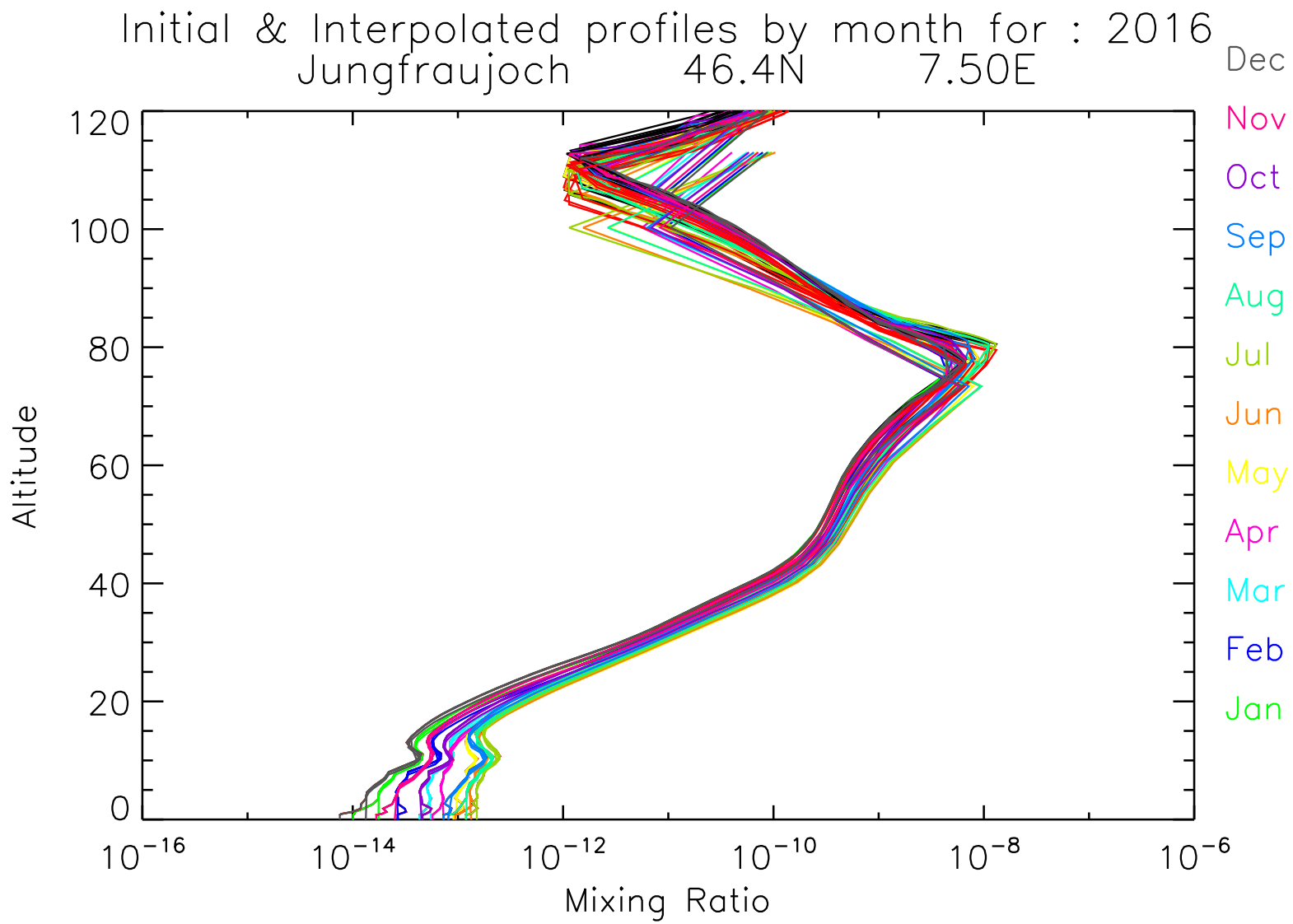

Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

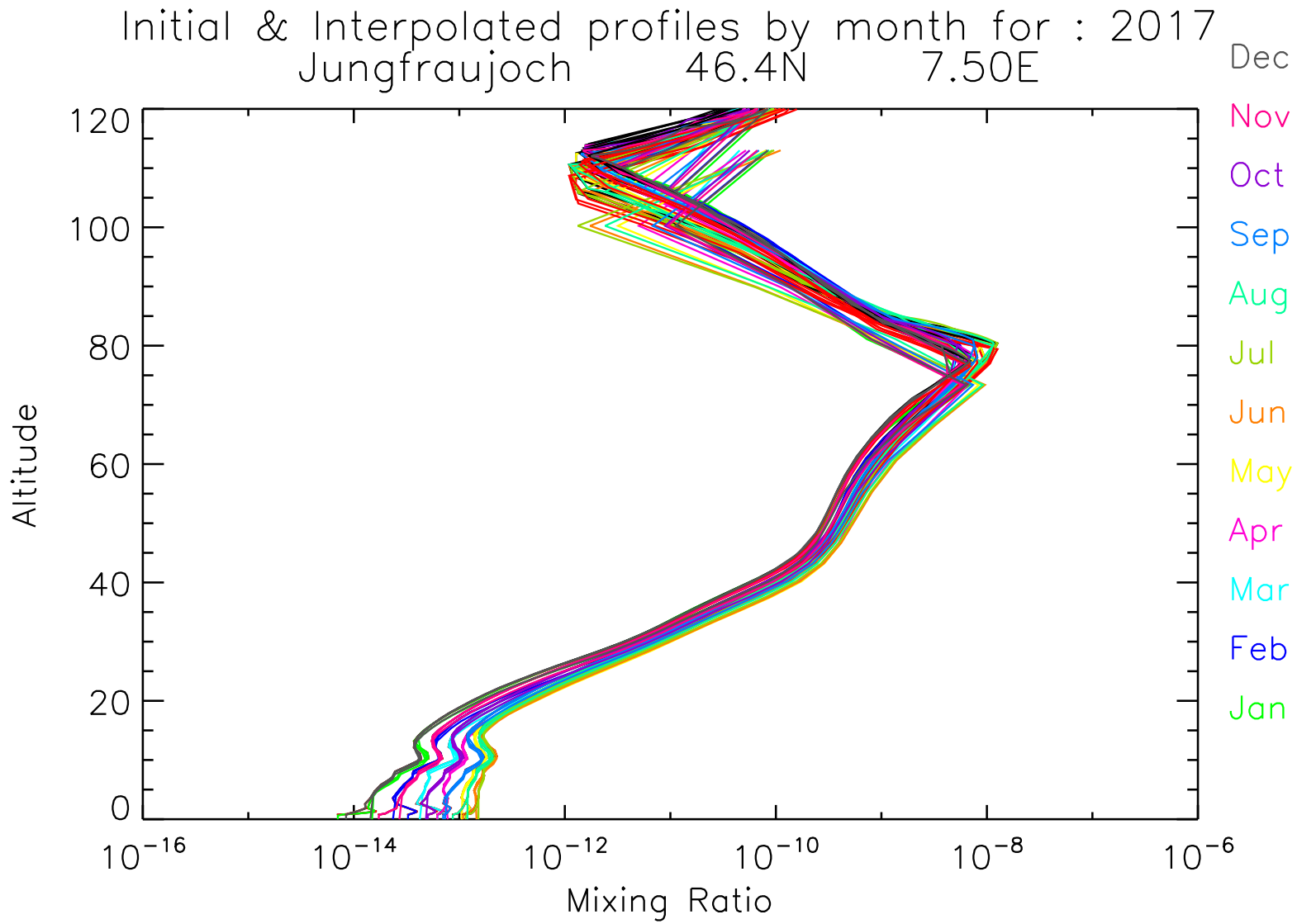

Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

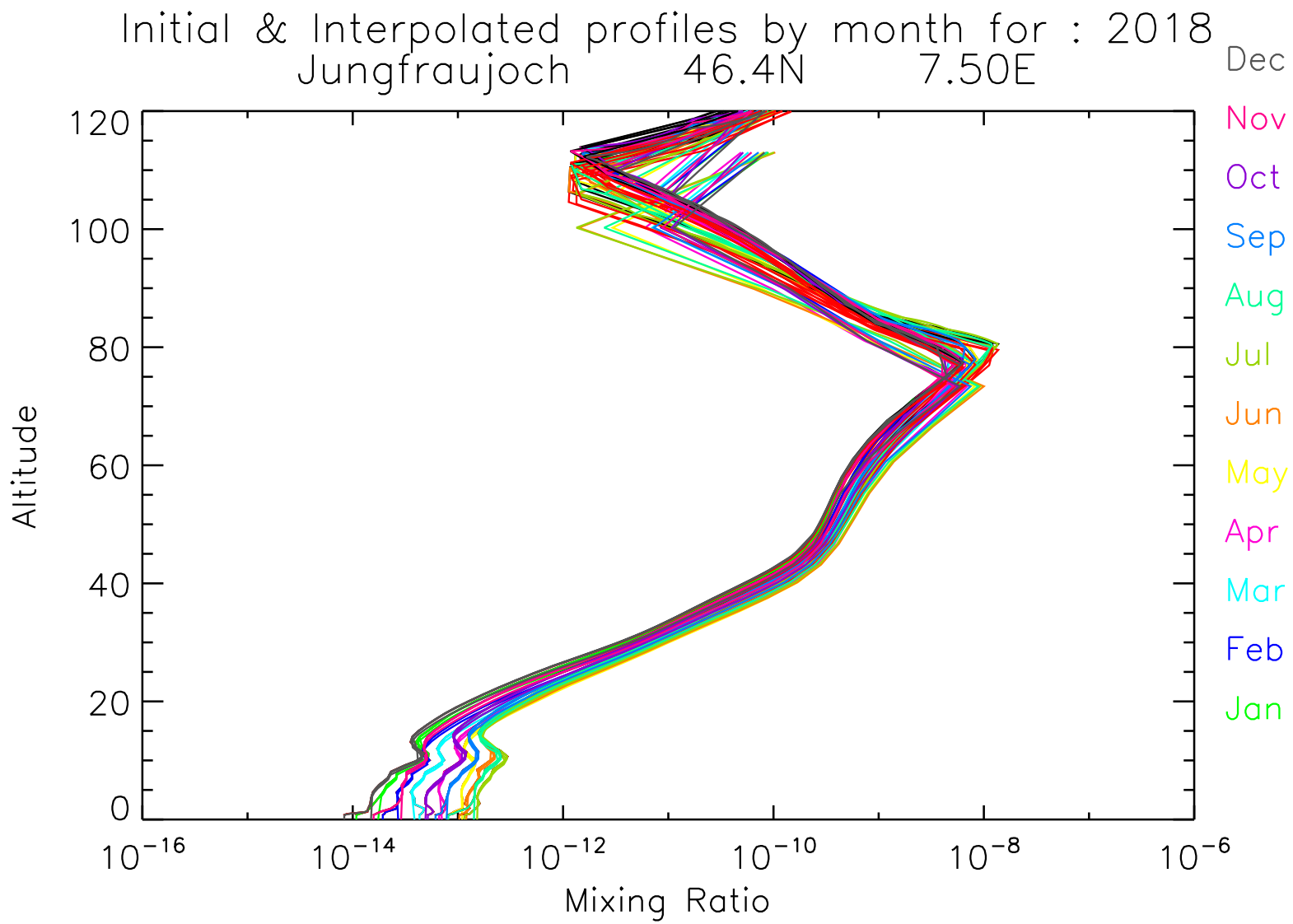

Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio

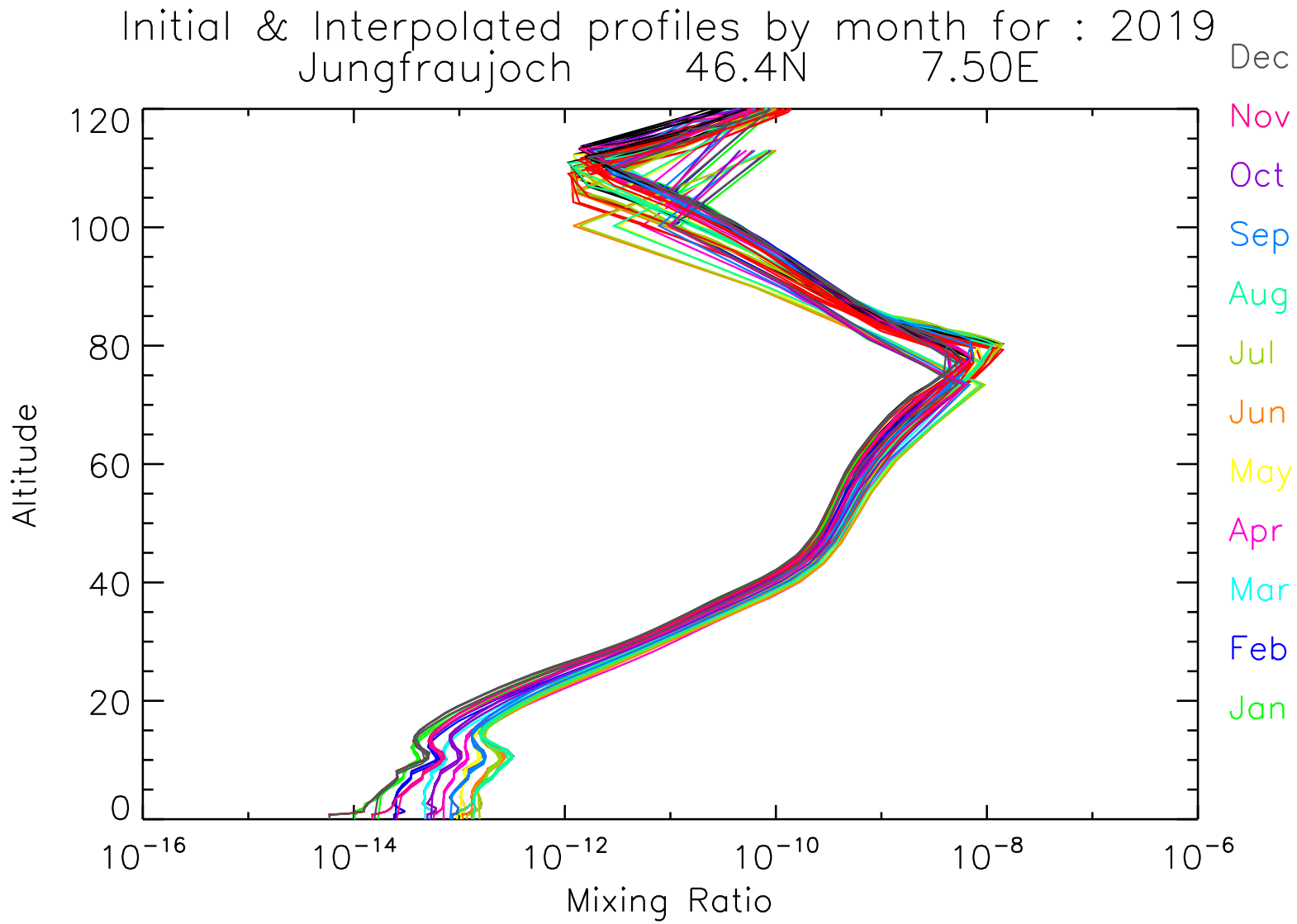

Initial & Interpolated profiles by month for : 2014
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

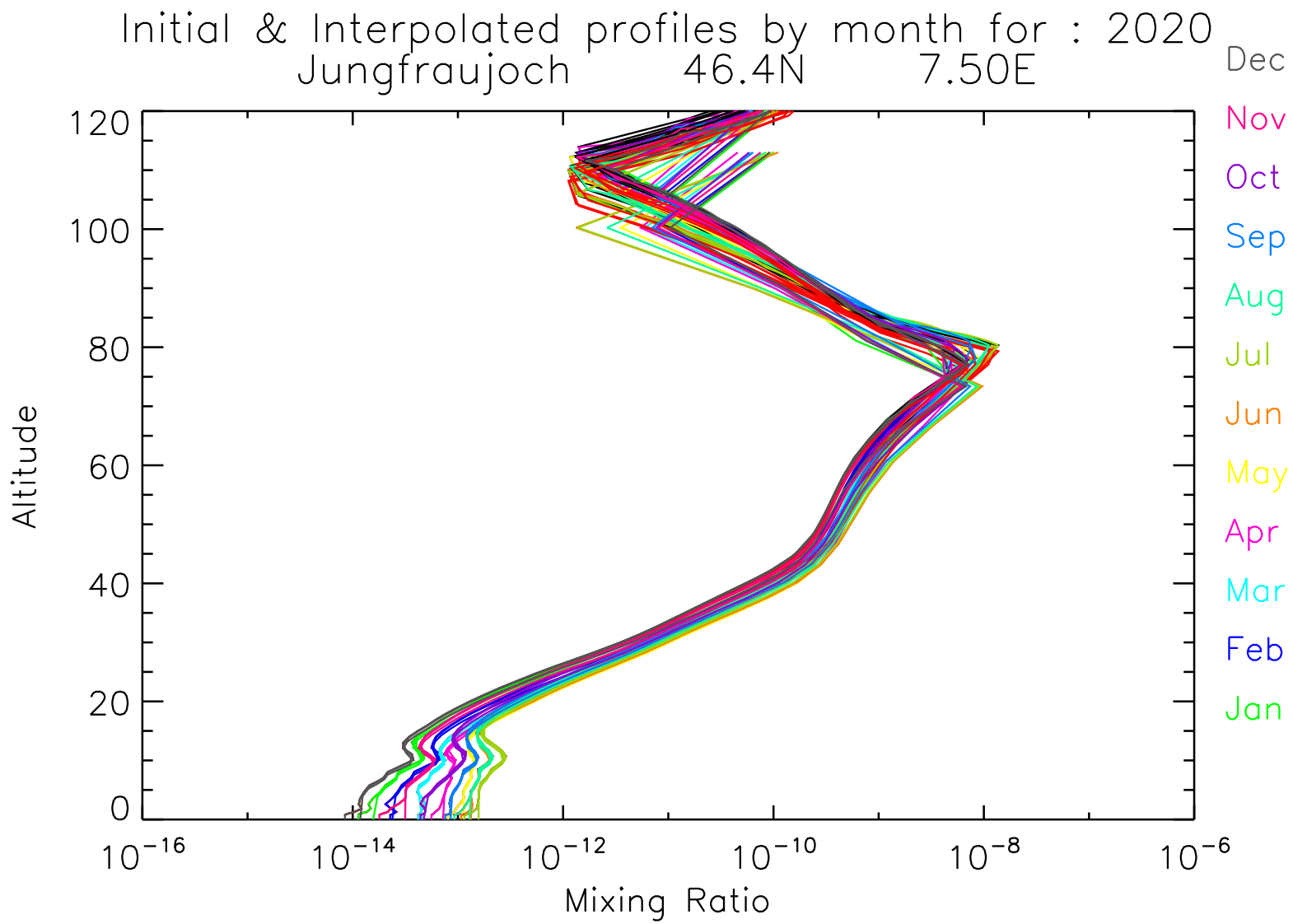

Initial & Interpolated profiles by month for : 2015
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

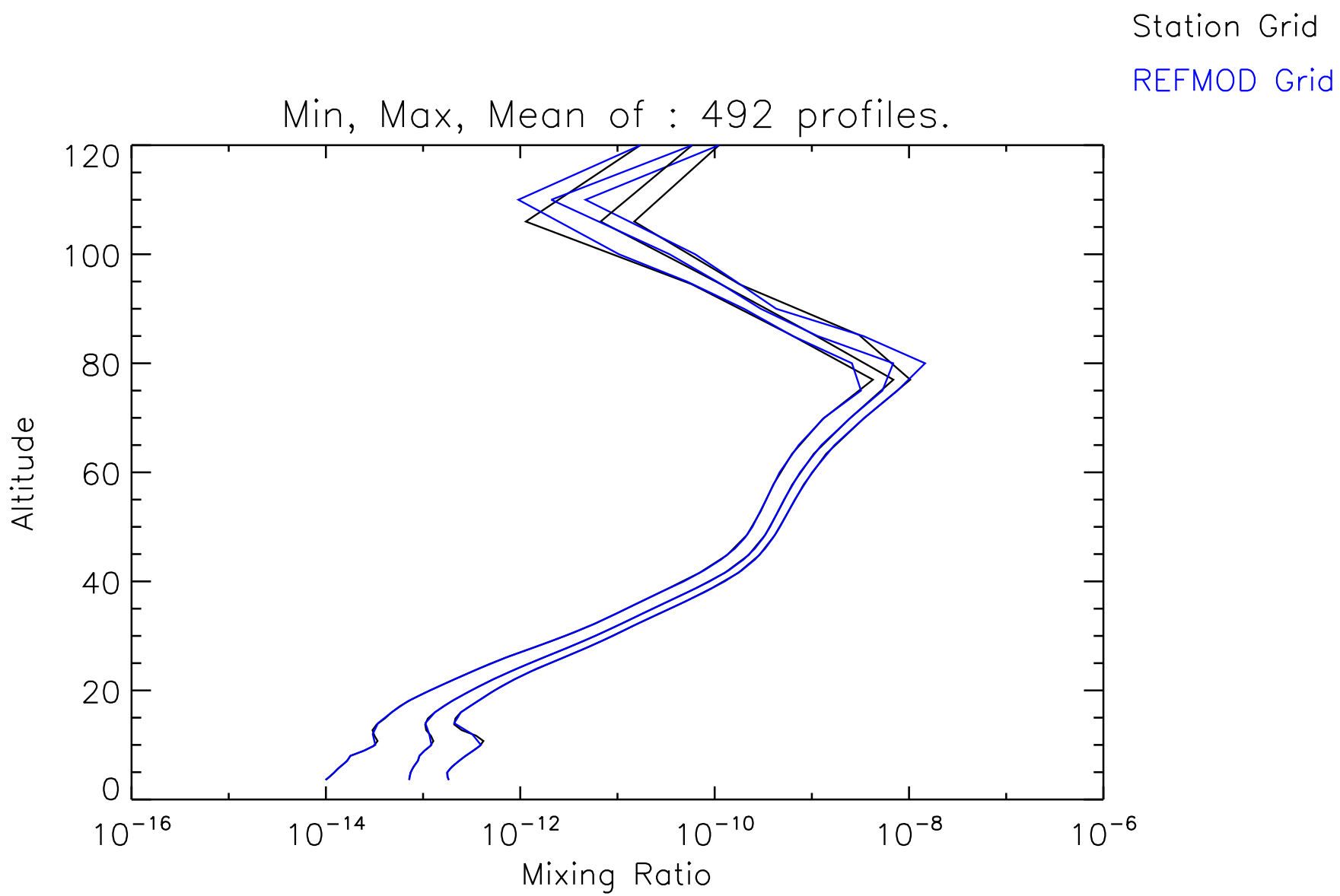

Initial & Interpolated profiles by month for : 2016
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

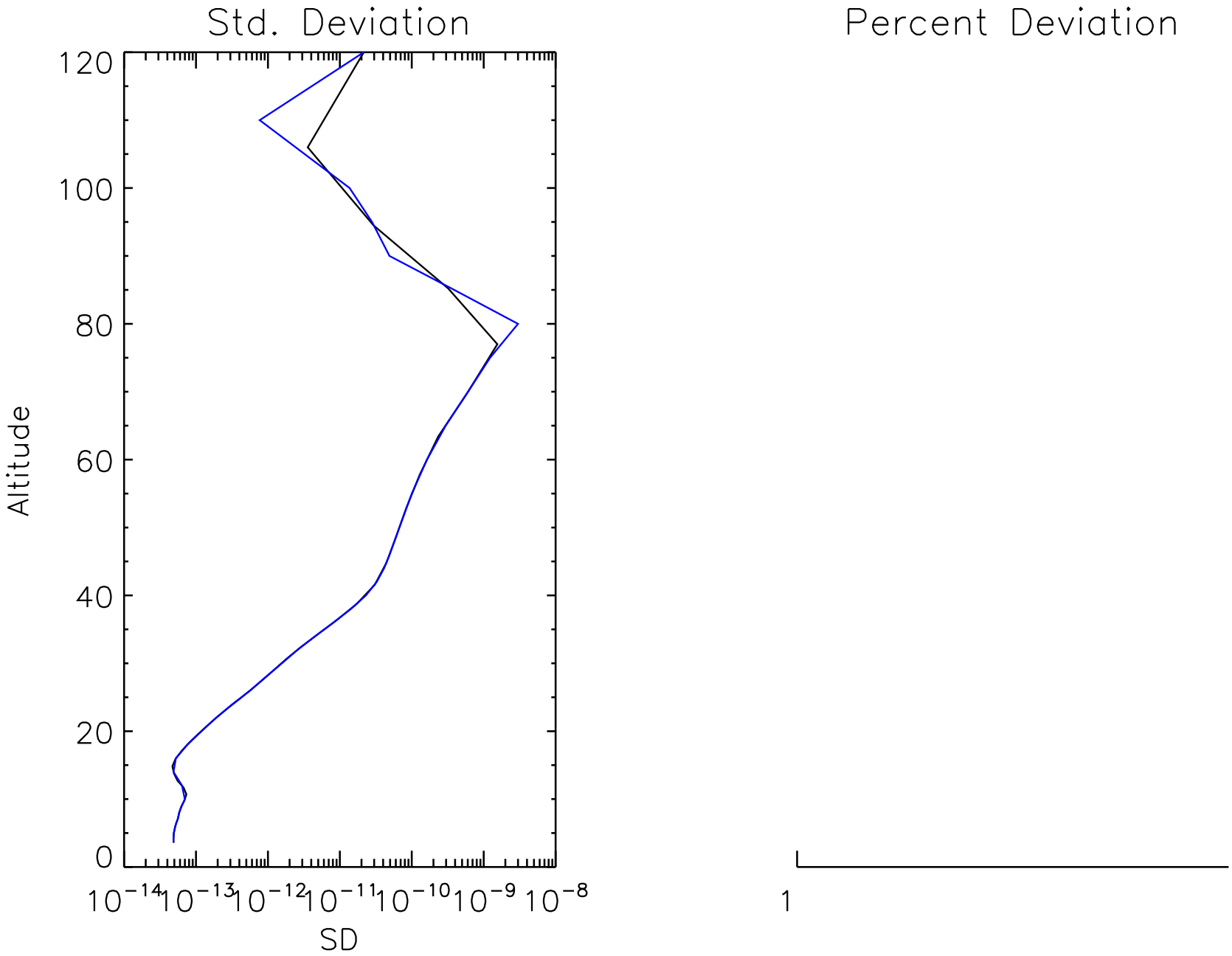

Initial & Interpolated profiles by month for : 2017
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

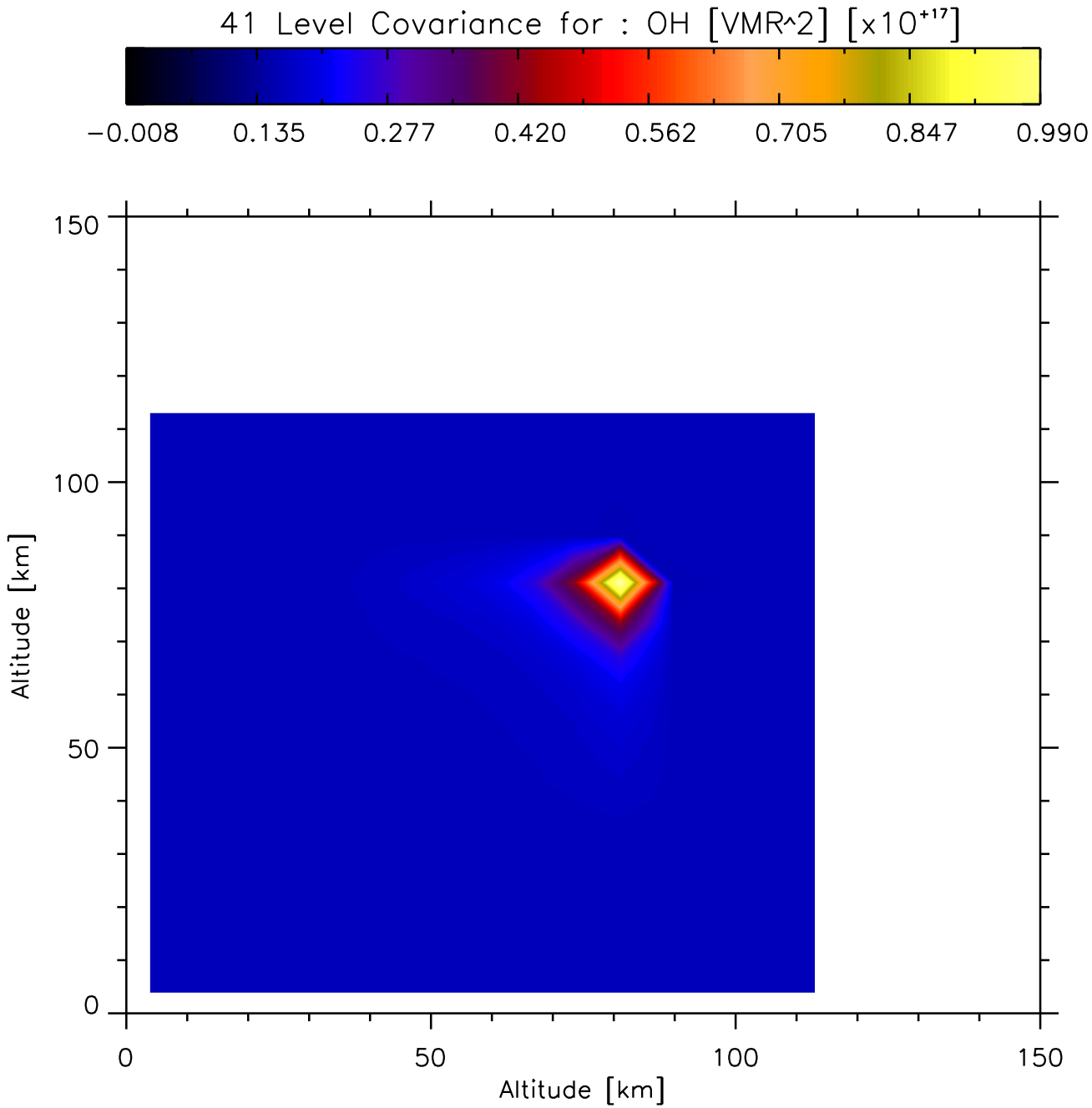

Initial & Interpolated profiles by month for : 2018
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
100
80
60
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


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^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
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^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Station Grid
REFMOD Grid
Min, Max, Mean of : 492 profiles.
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
120
100
80
60
40
20
0
Altitude
10^{-14} 10^{-13} 10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8}
SD
1


41 Level Covariance for : OH [VMR^2] [x10^+17]
−0.008
0.135
0.277
0.420
0.562
0.705
0.847
0.990
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

41 Level Covariance for : OH [VMR^2] [x10^+17]
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Y Altitude
0
50
100
0
50
100
X Altitude