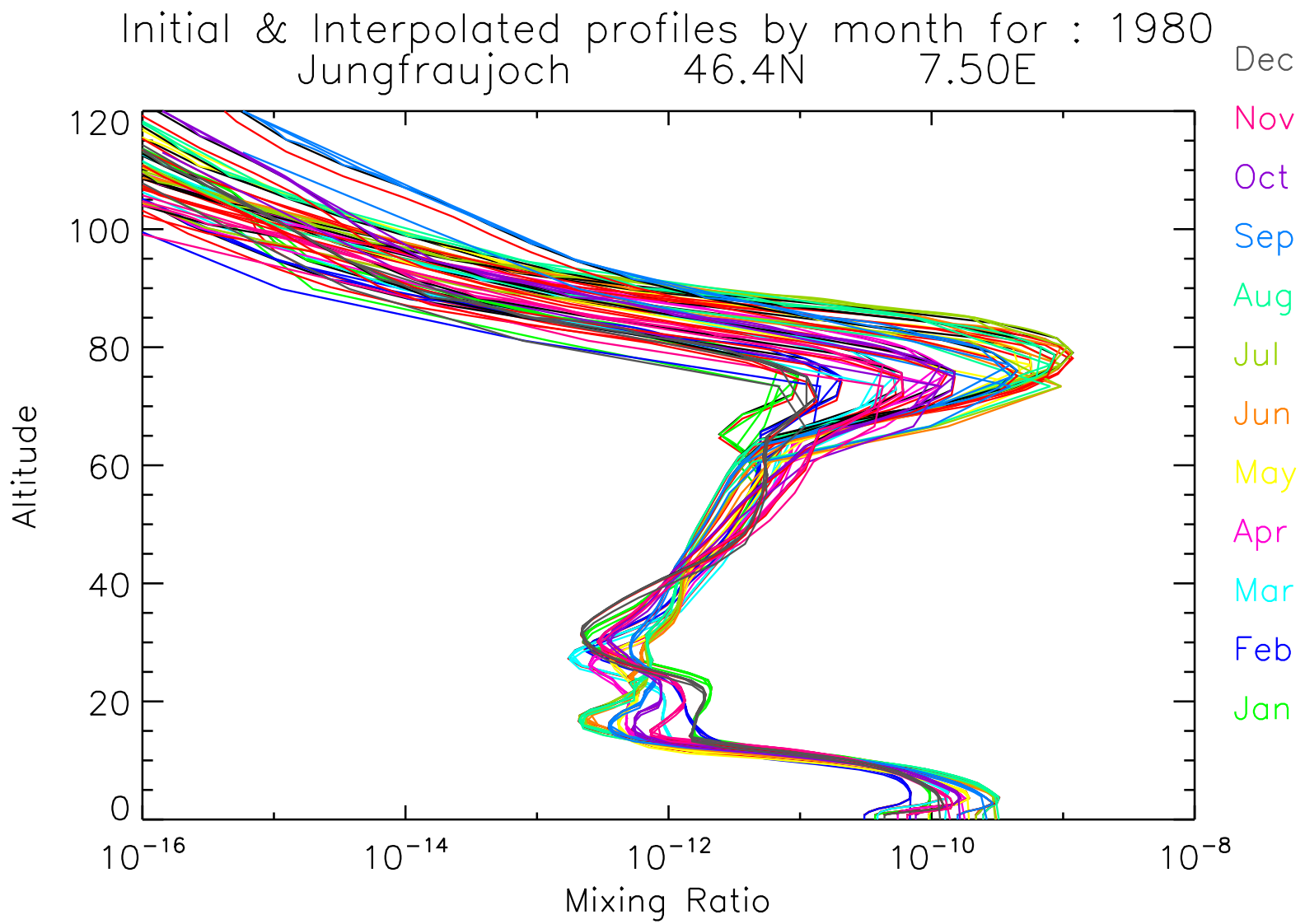
Initial & Interpolated profiles by month for : 1980
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
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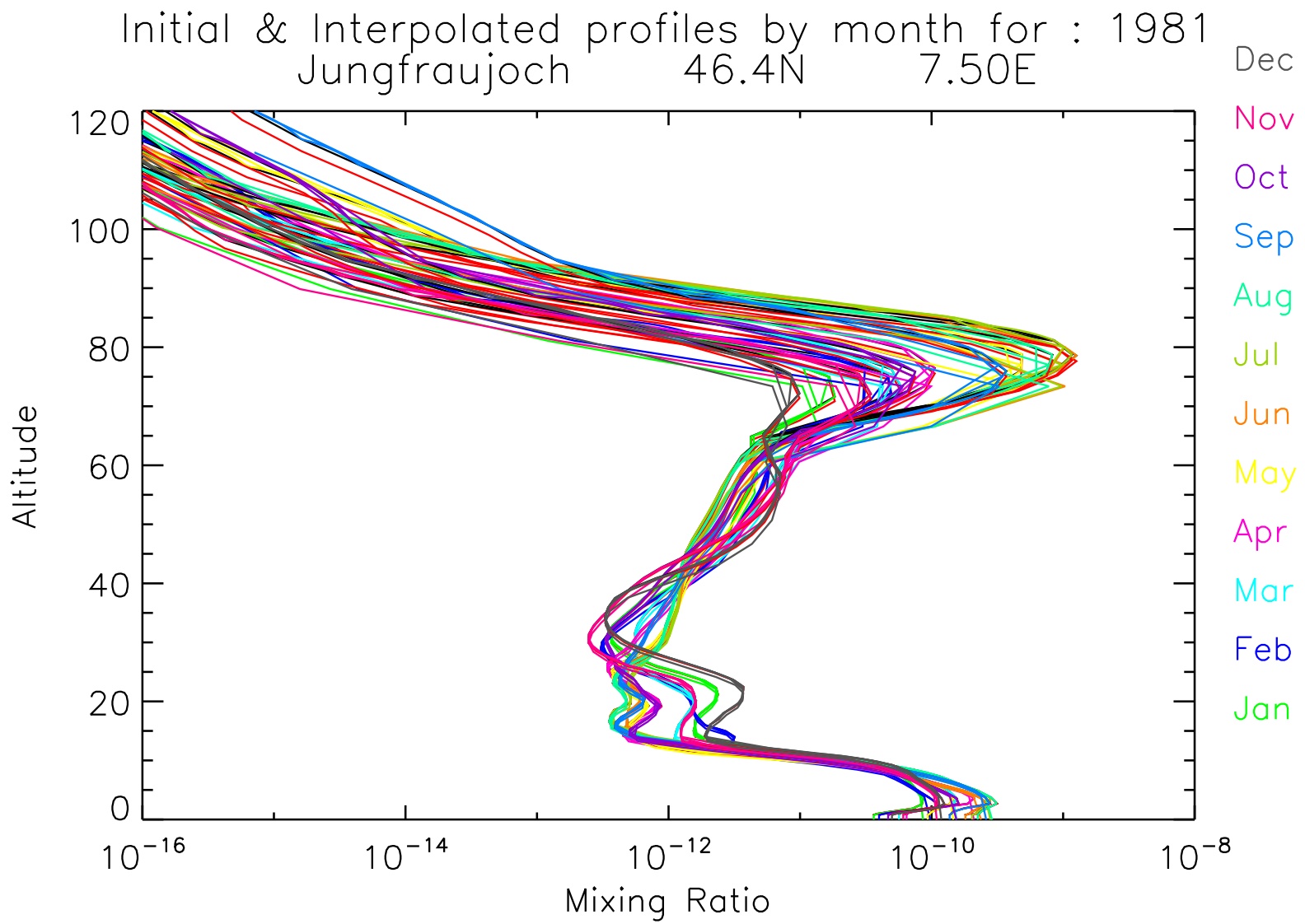
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1981
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
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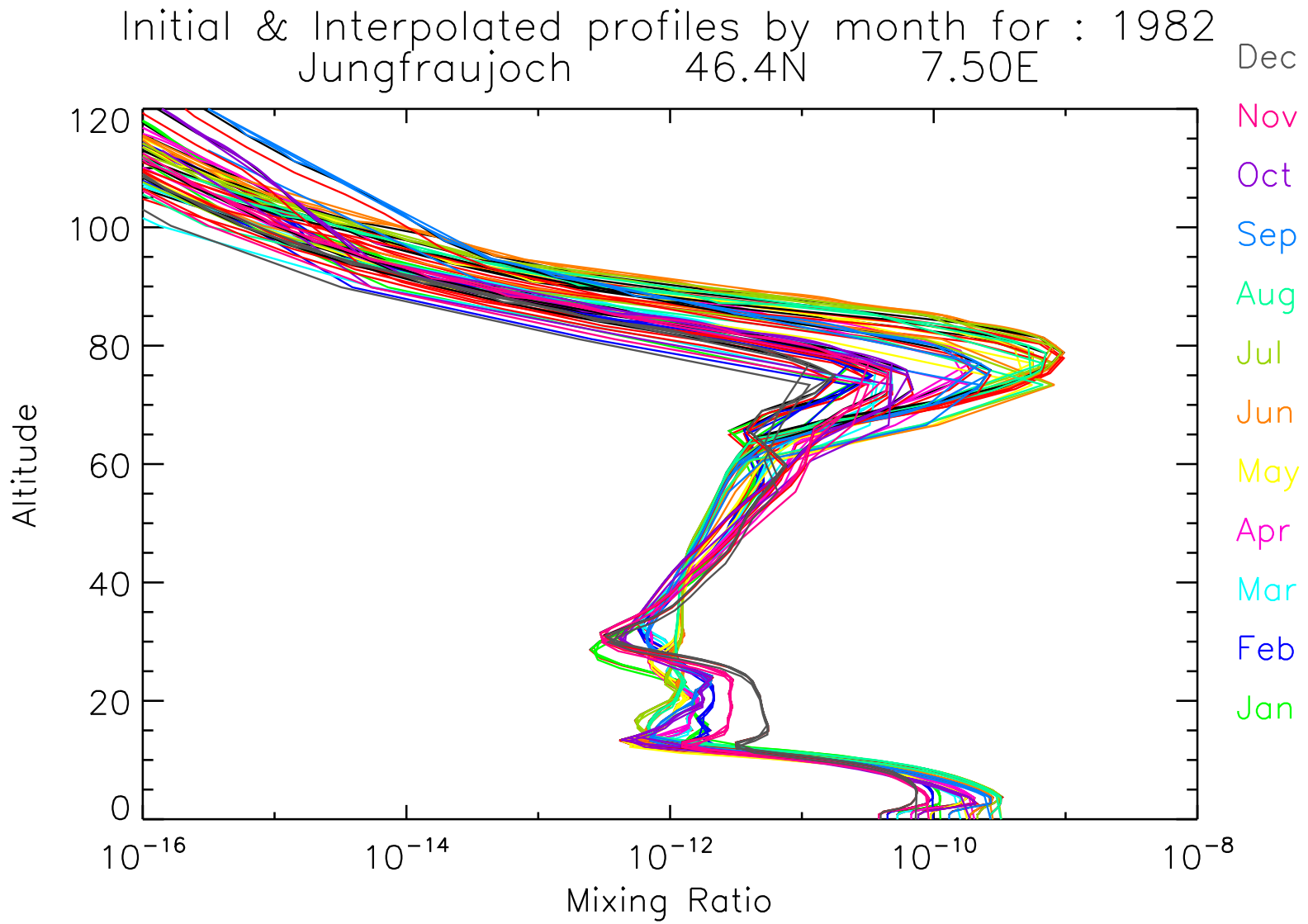
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1982
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
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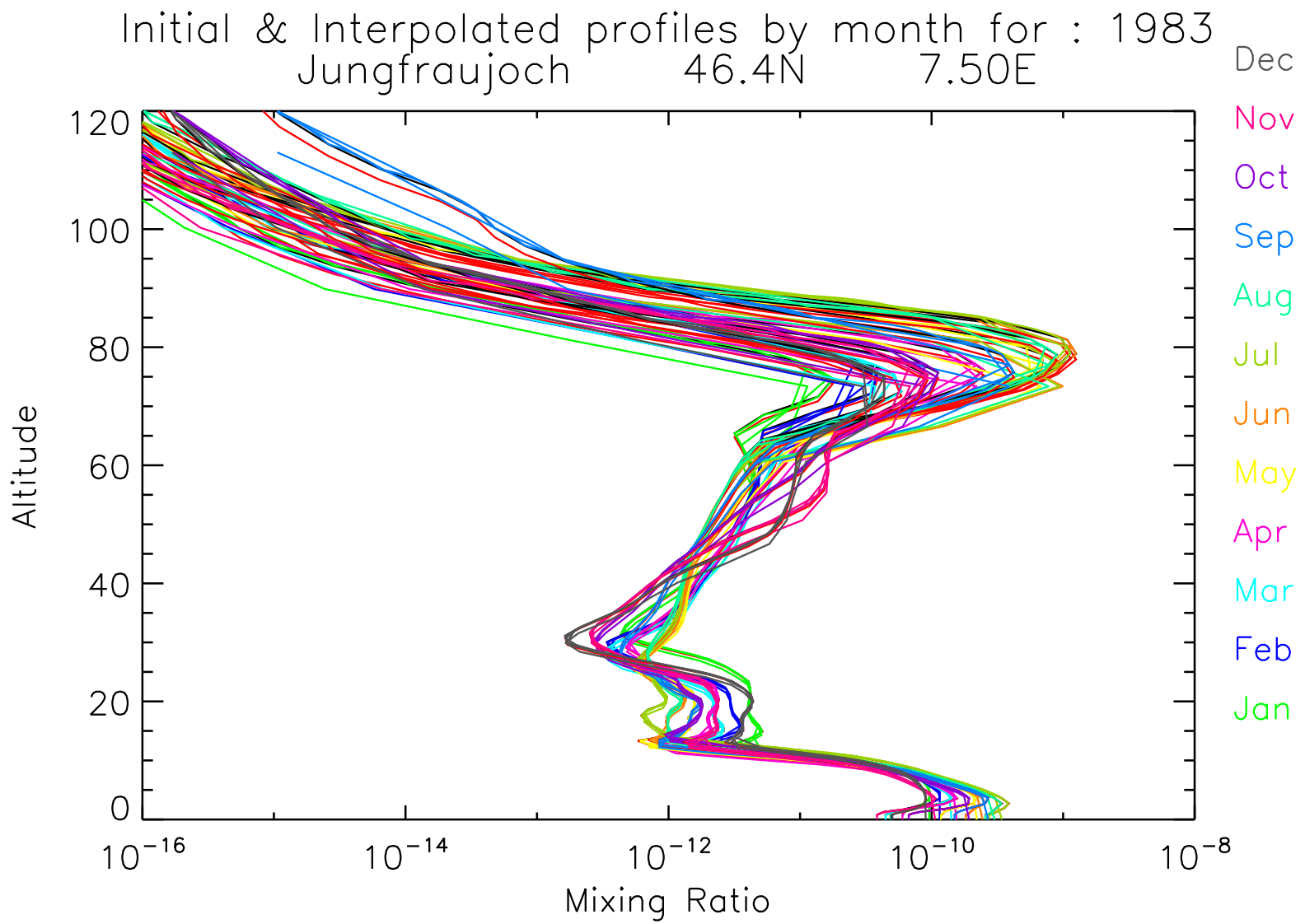
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1983
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
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60
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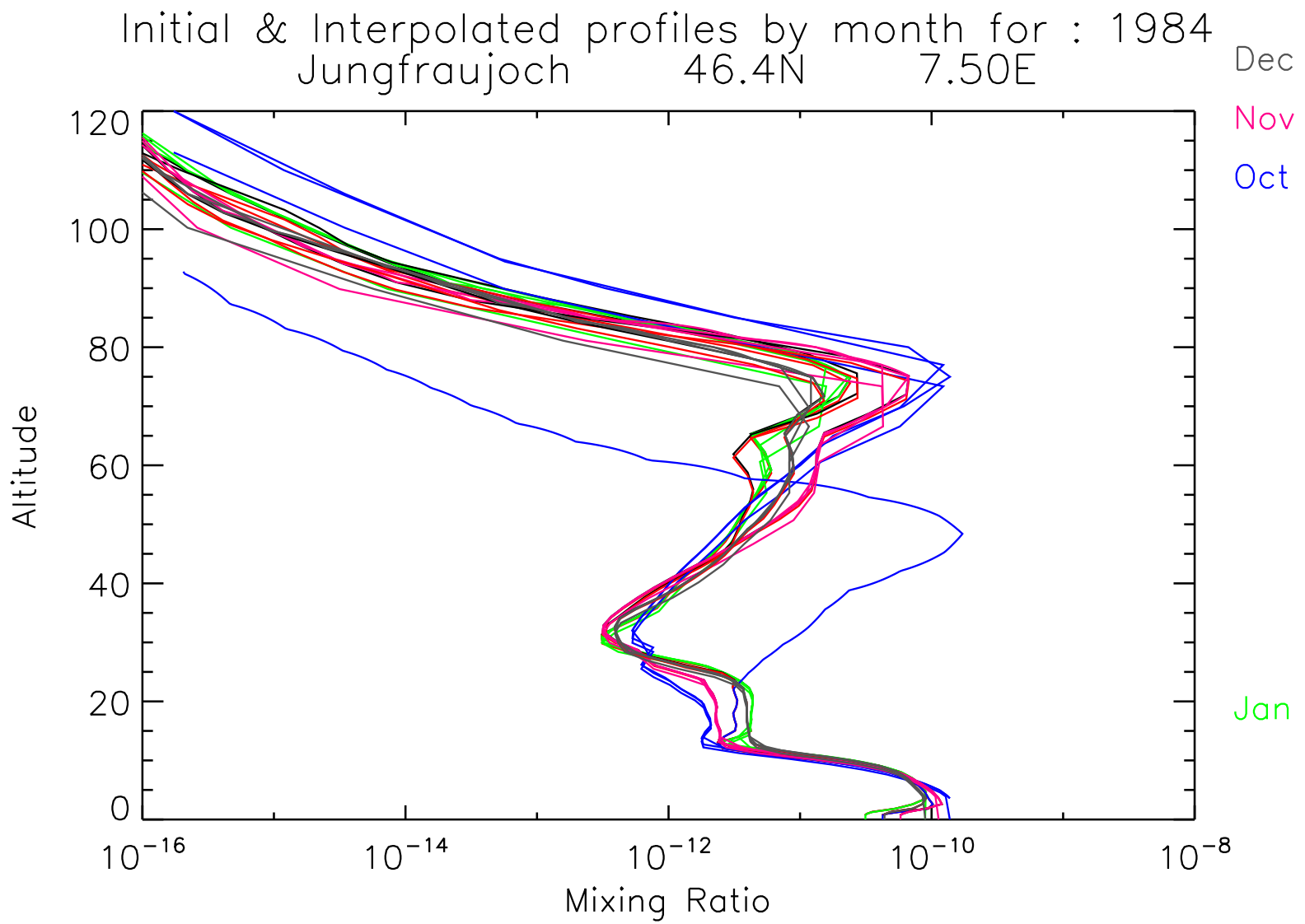
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1984
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Jan
Altitude
120
100
80
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40
20
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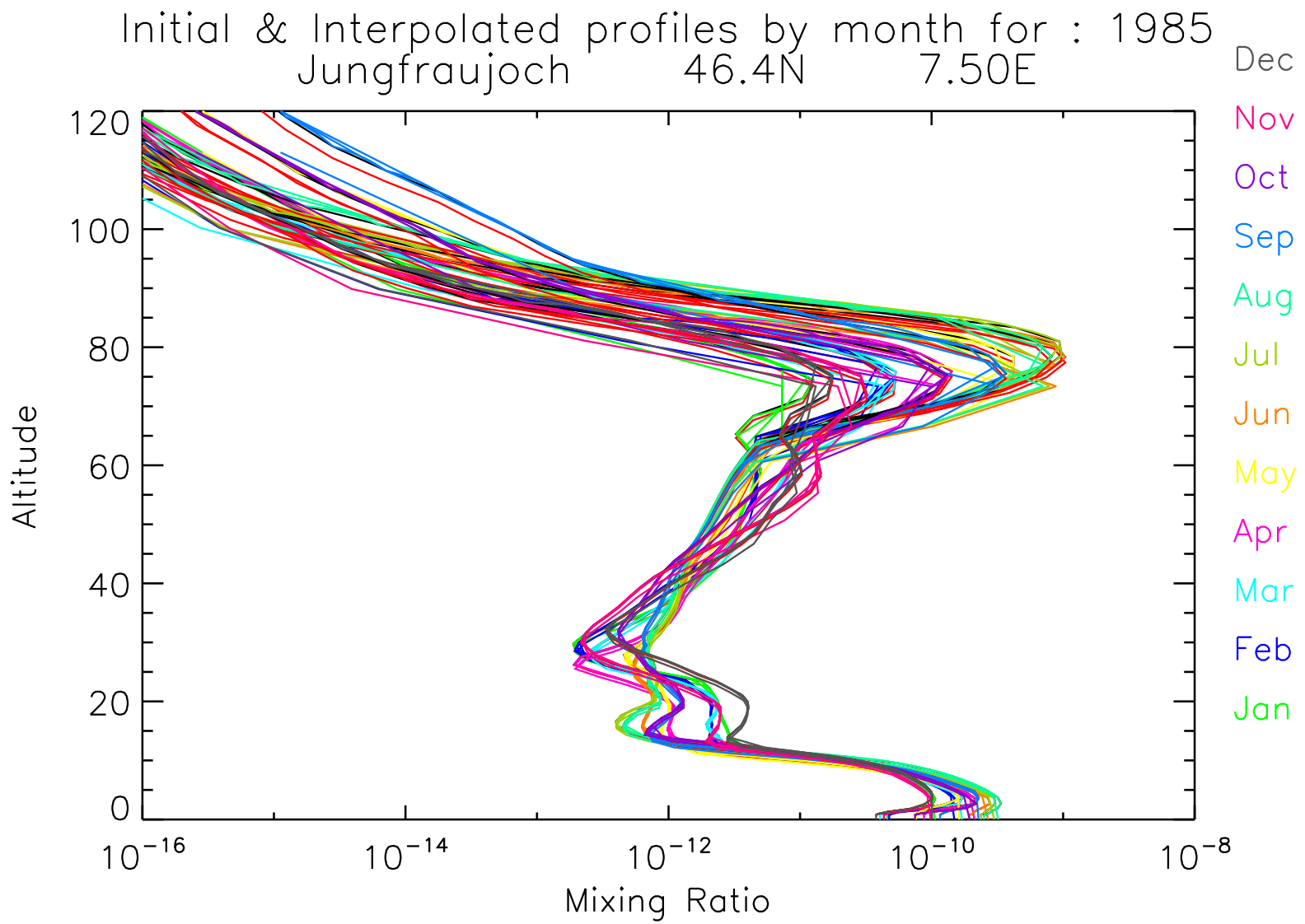
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1985
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
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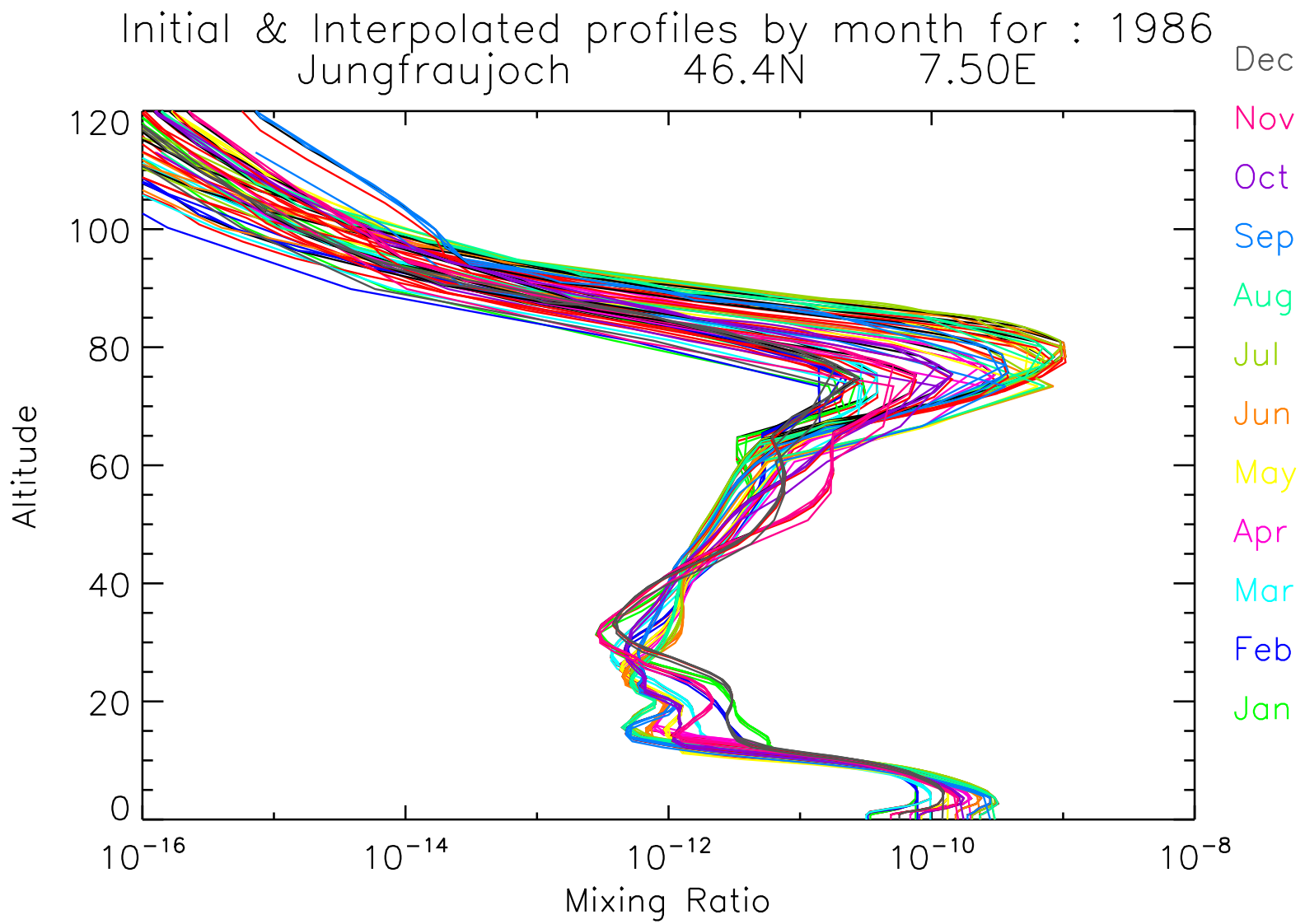
Jan


Initial & Interpolated profiles by month for : 1986
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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60
40
20
0
10^{-16}
10^{-14}
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10^{-8}
Mixing Ratio
Dec
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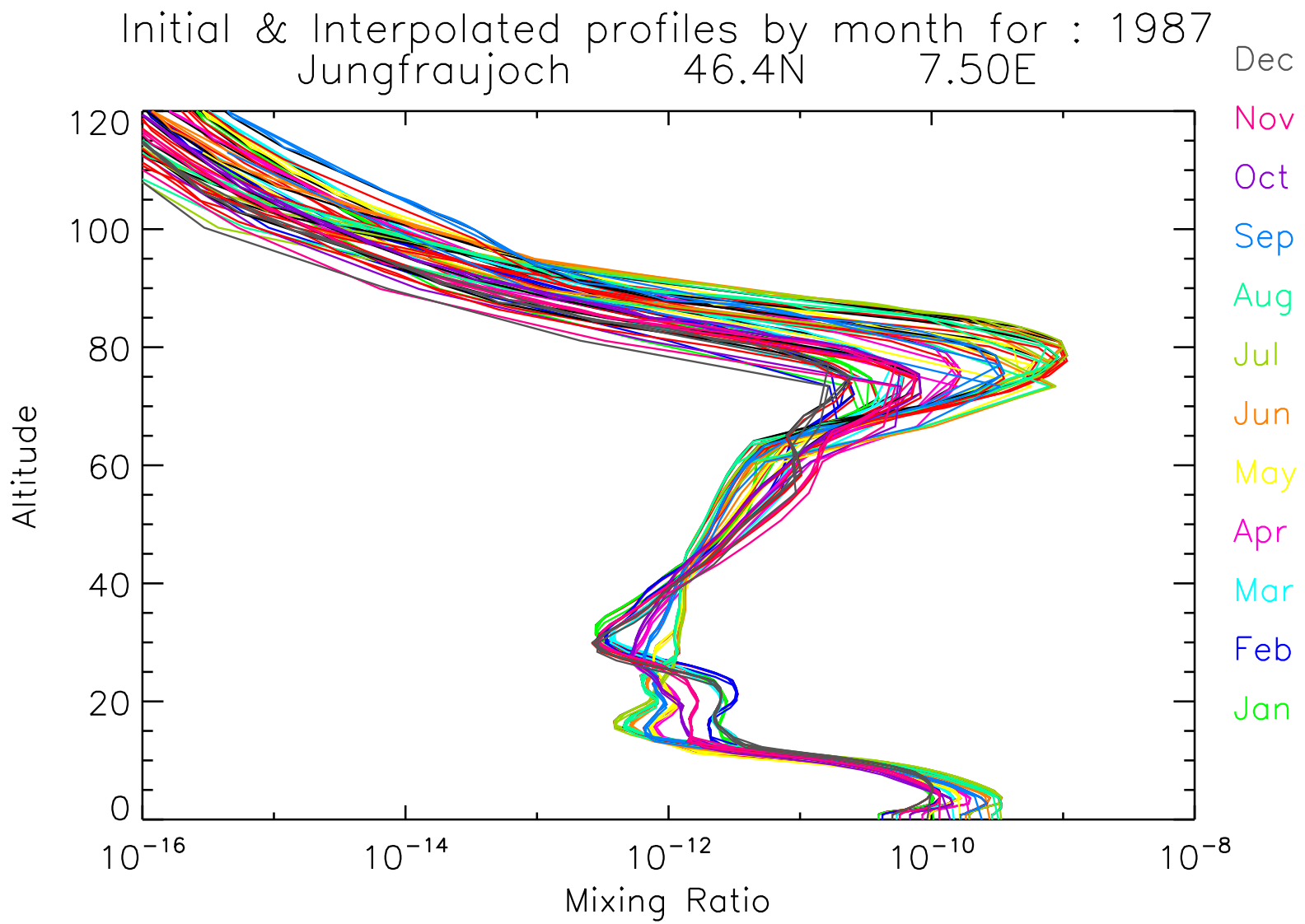
Initial & Interpolated profiles by month for : 1987
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
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Jul
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May
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Feb
Jan
Altitude
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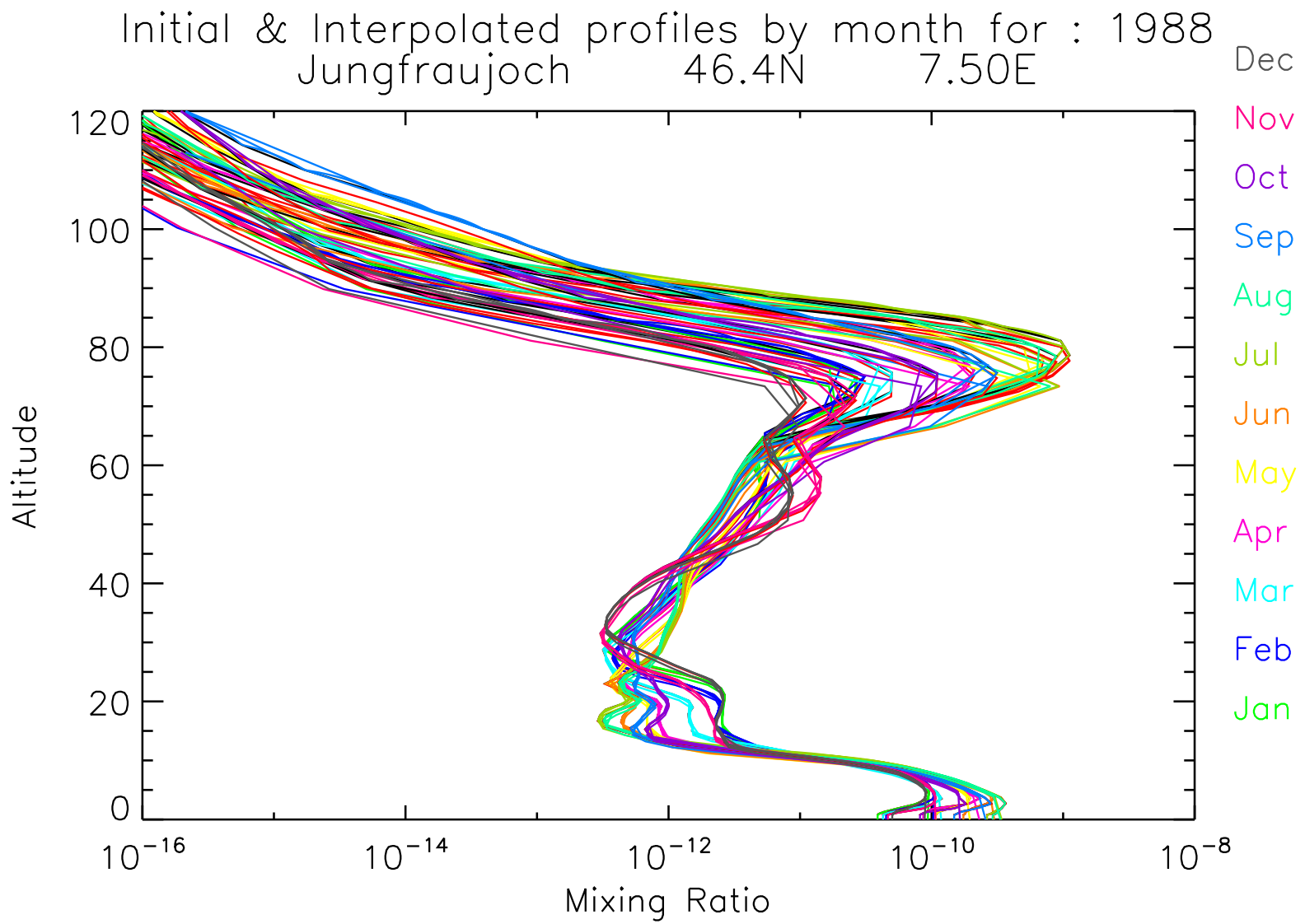
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1988
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
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Mar
Feb
Jan
Altitude
120
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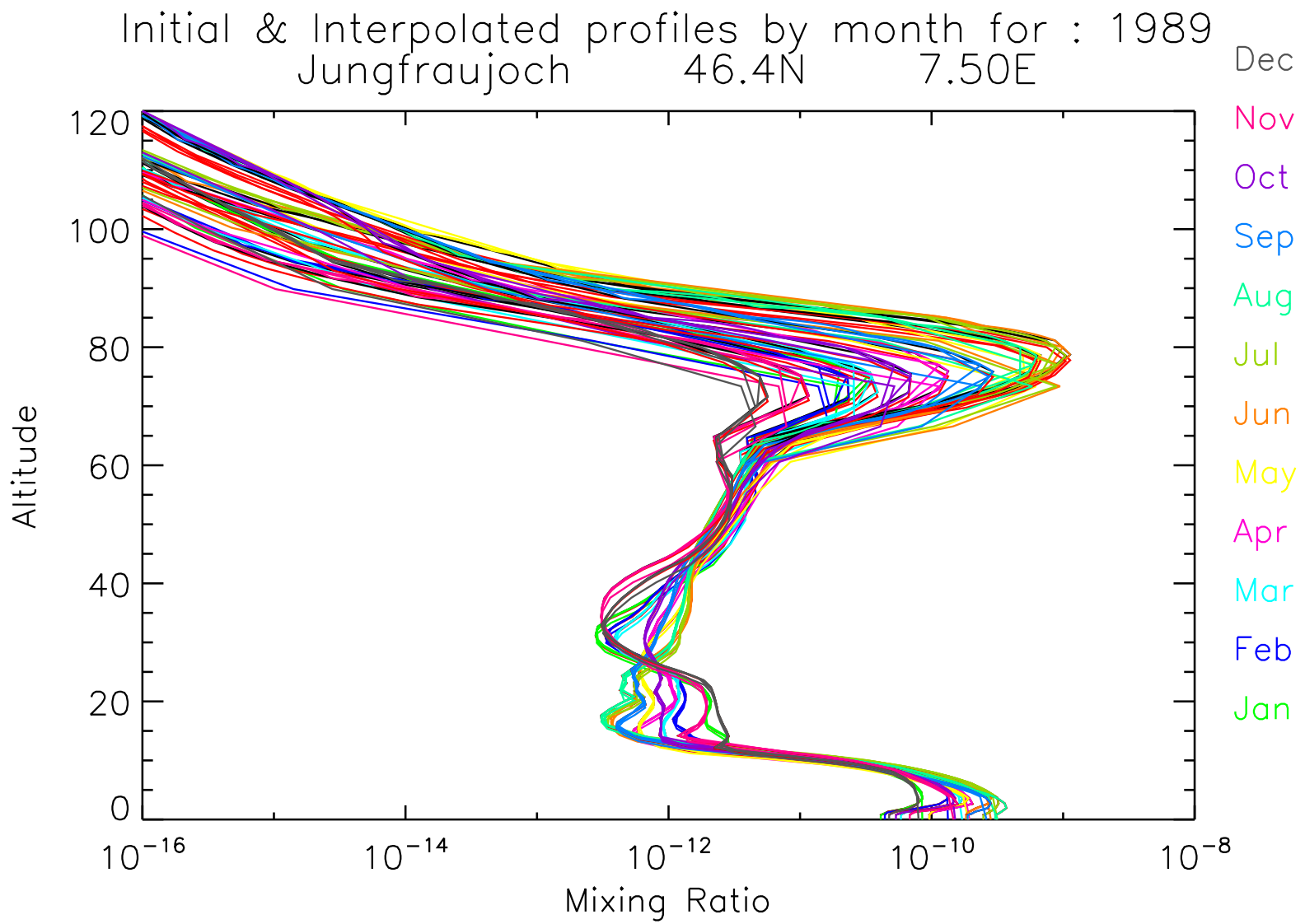
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1989
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Jan
120
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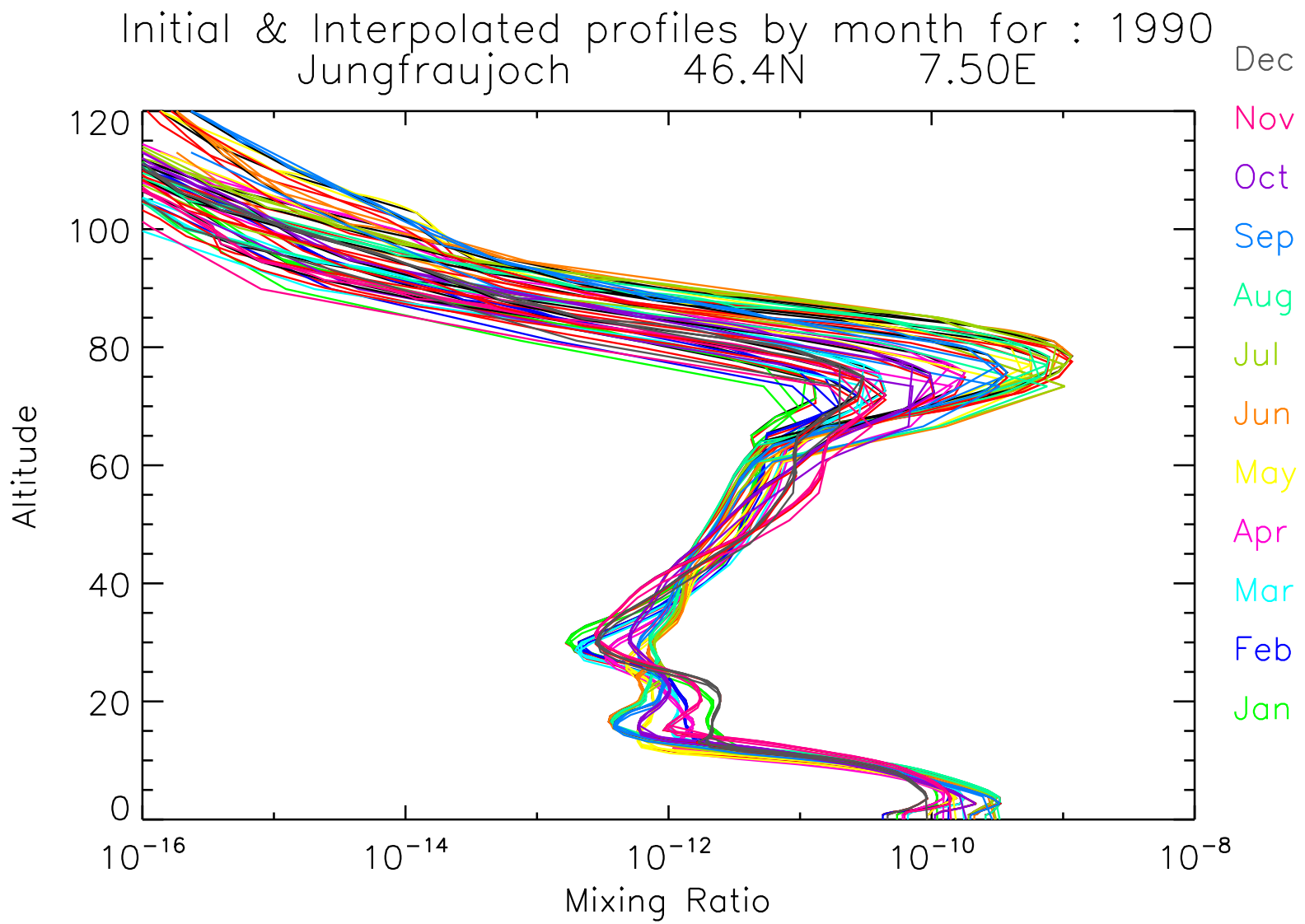
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1990
Jungfraujoch 46.4N 7.50E
Dec
Nov
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Altitude
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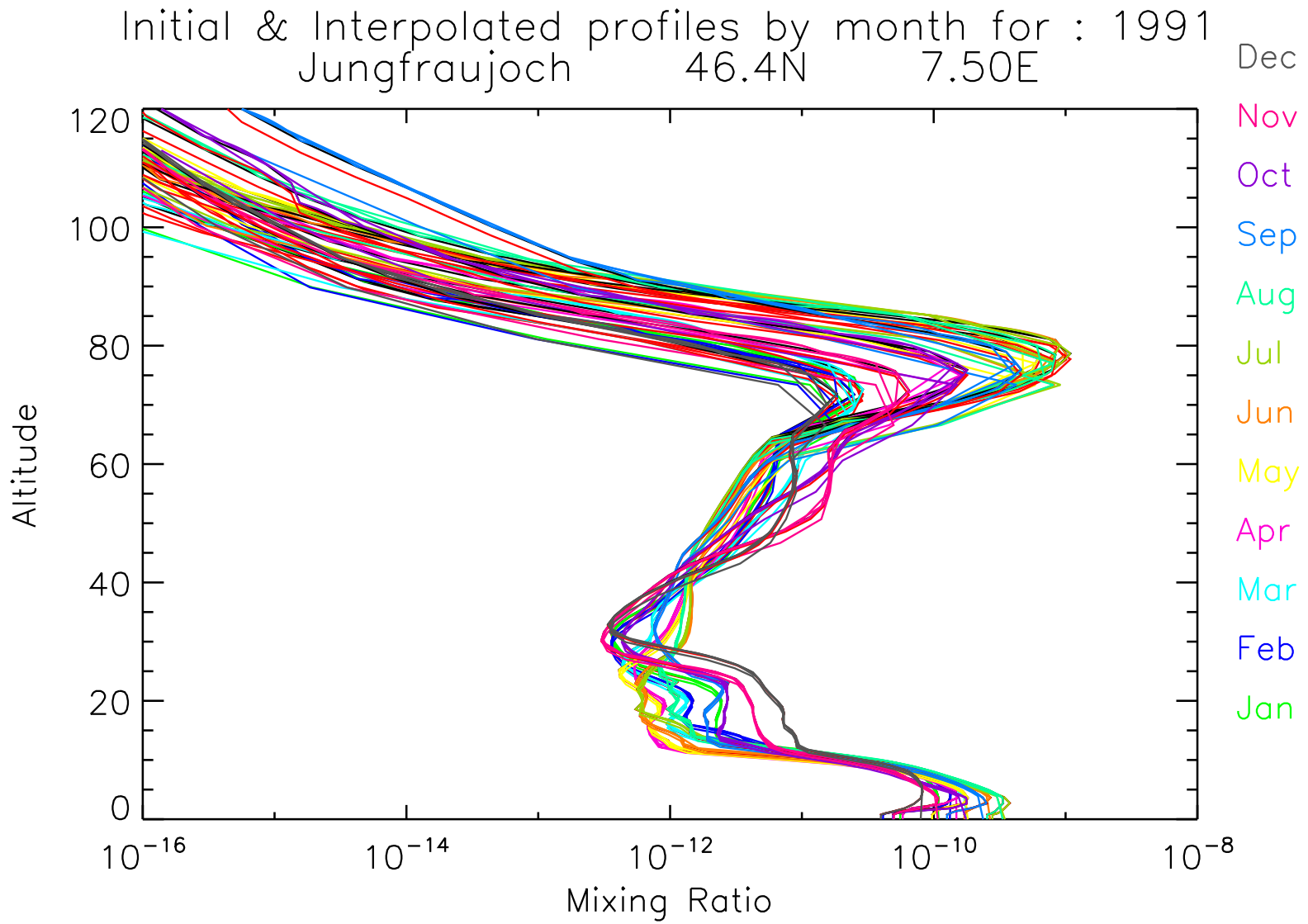
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


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^{-8}
Mixing Ratio
Dec
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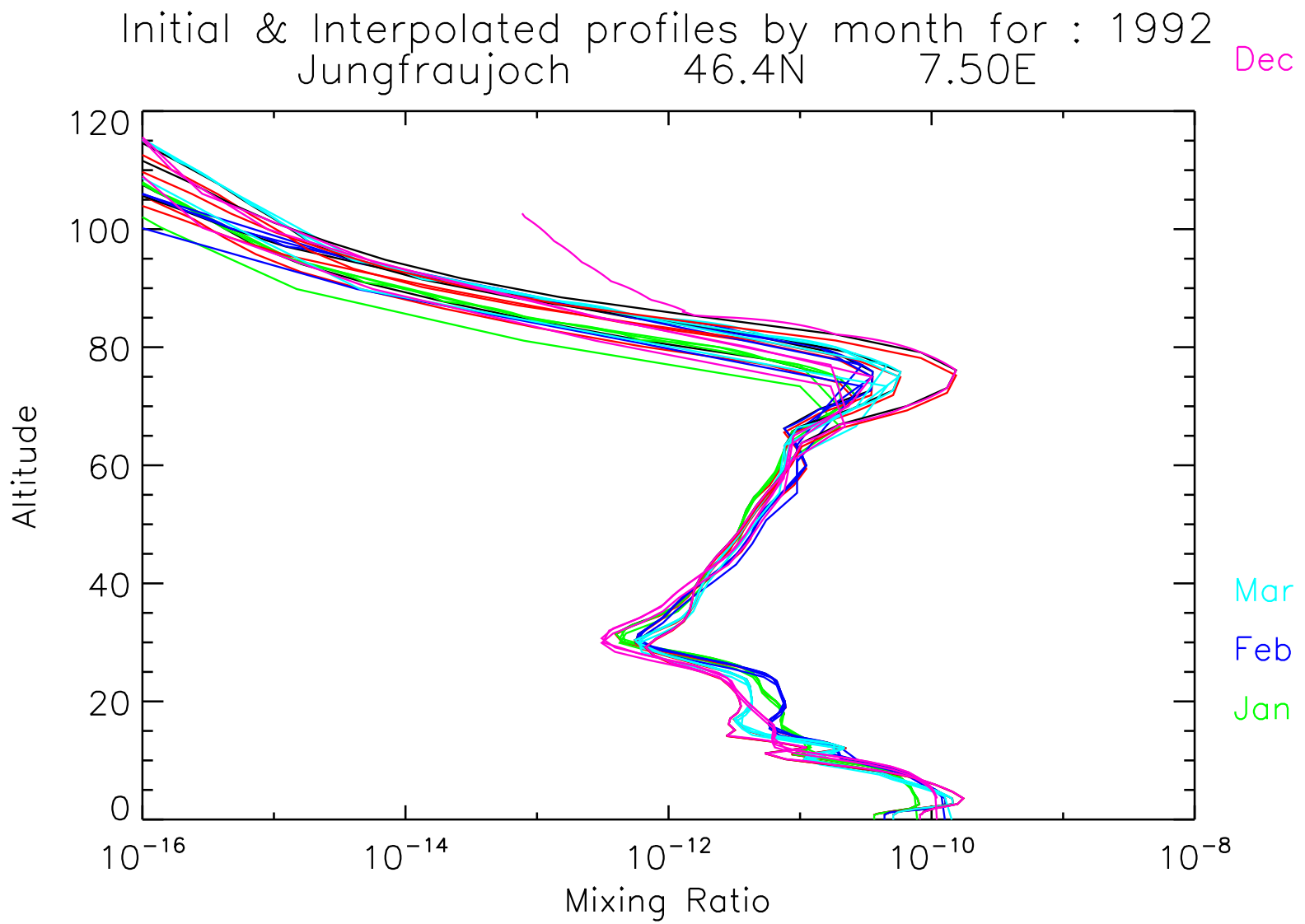
Initial & Interpolated profiles by month for : 1992
Jungfraujoch 46.4N 7.50E
Dec
Mar
Feb
Jan
Altitude
120
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10^{-16}
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10^{-12}
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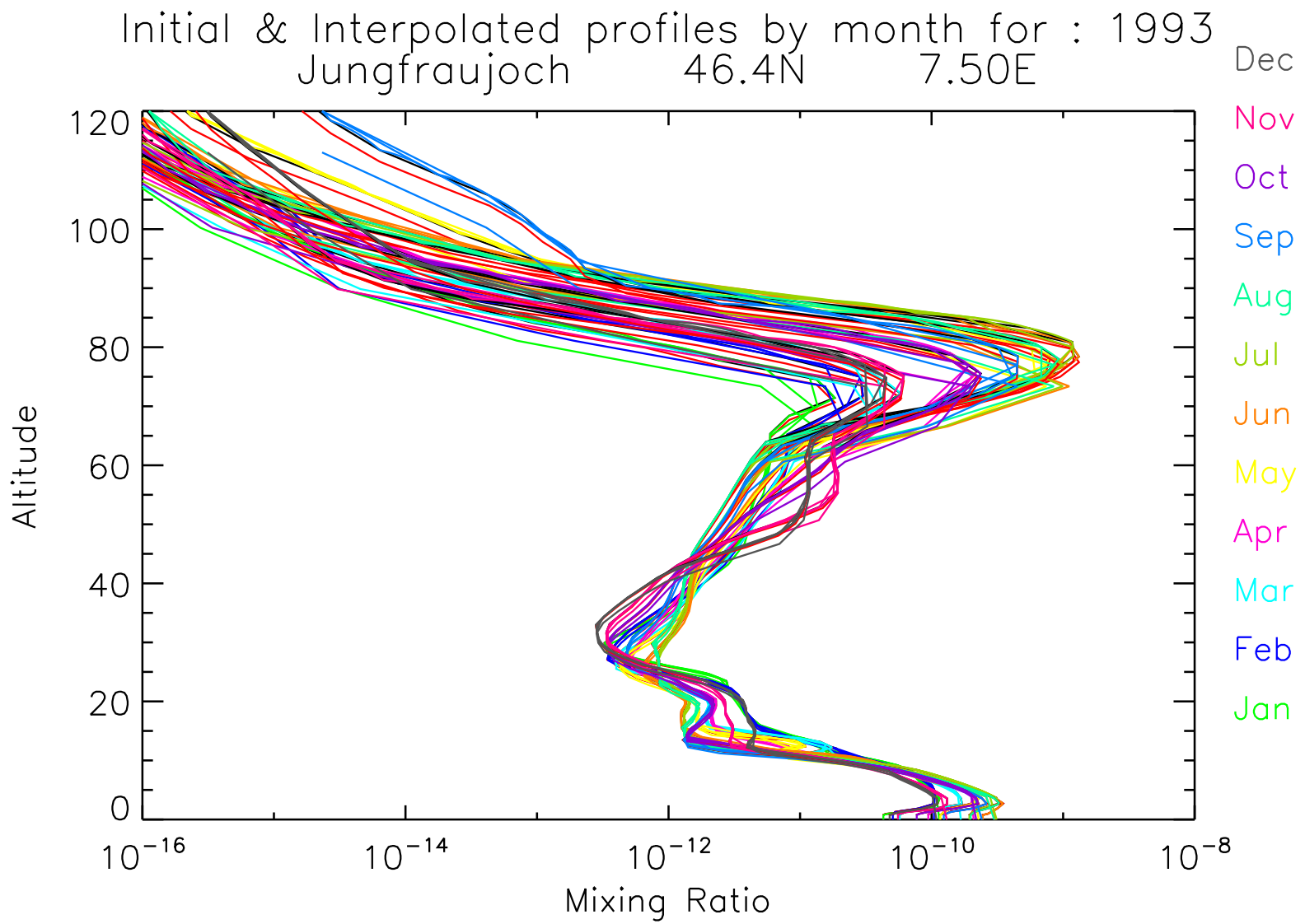
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1993
Jungfraujoch 46.4N 7.50E
Dec
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Altitude
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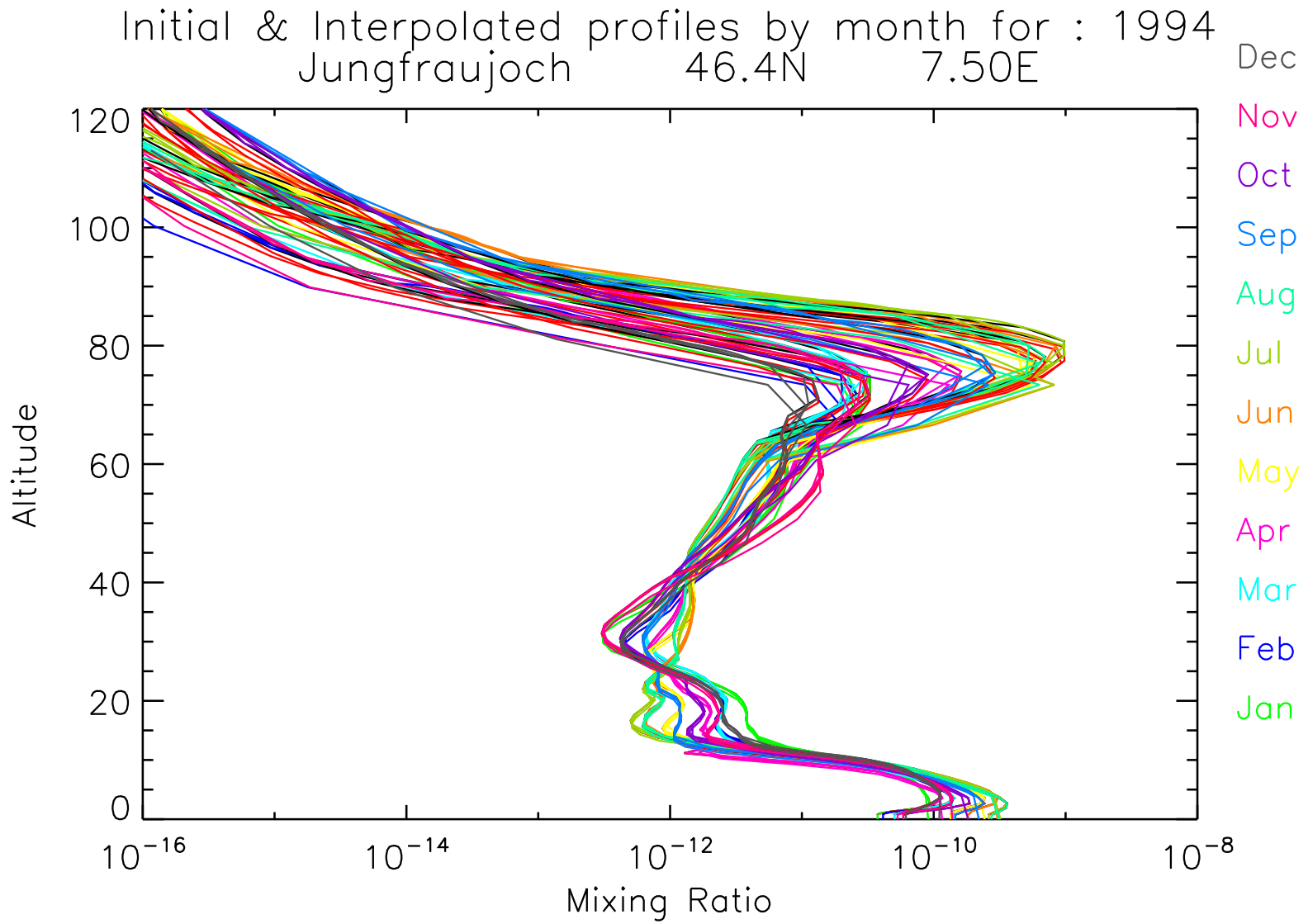
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1994
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-8}
Mixing Ratio
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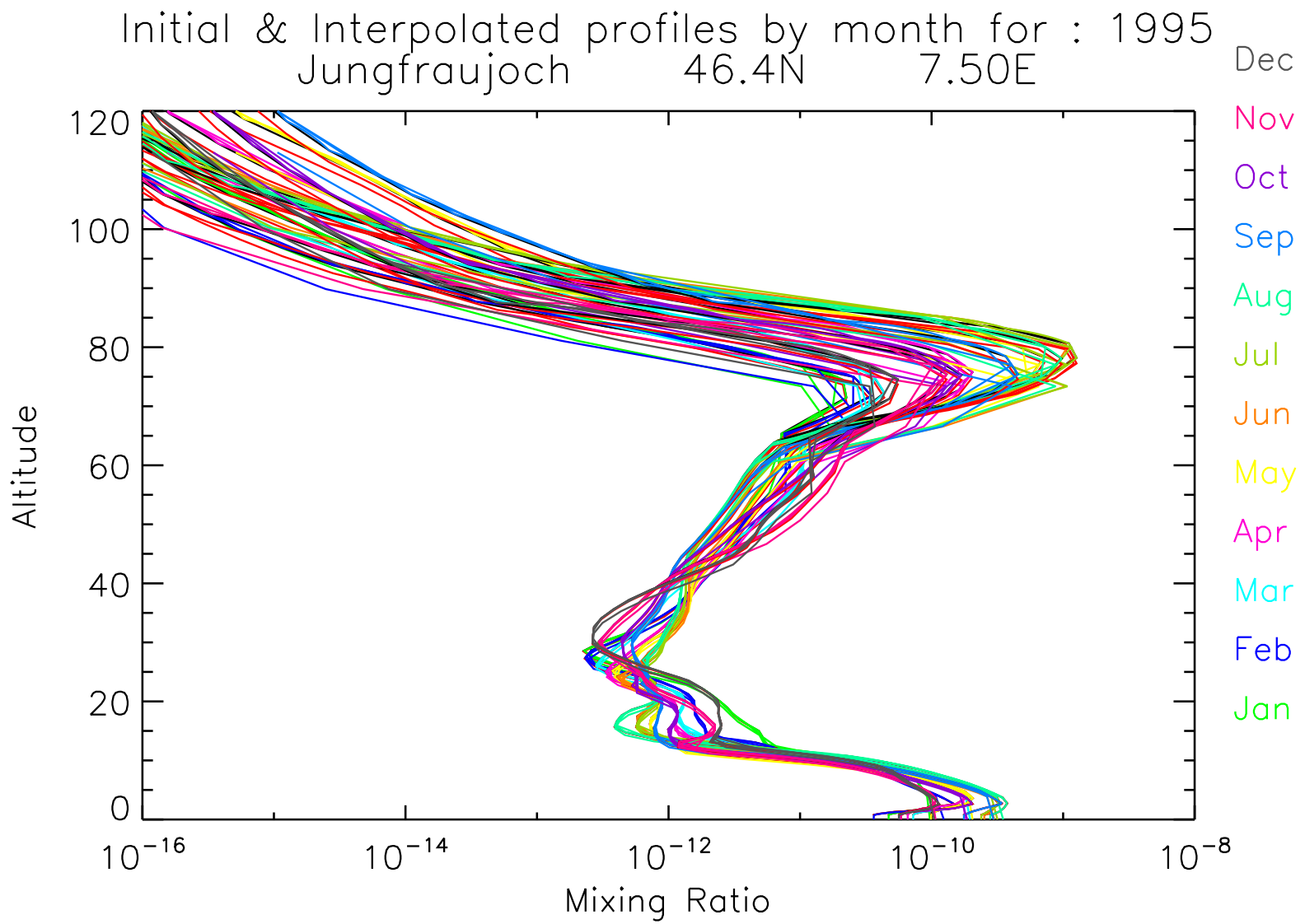
Initial & Interpolated profiles by month for : 1995
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
10^{-14}
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10^{-8}
Mixing Ratio
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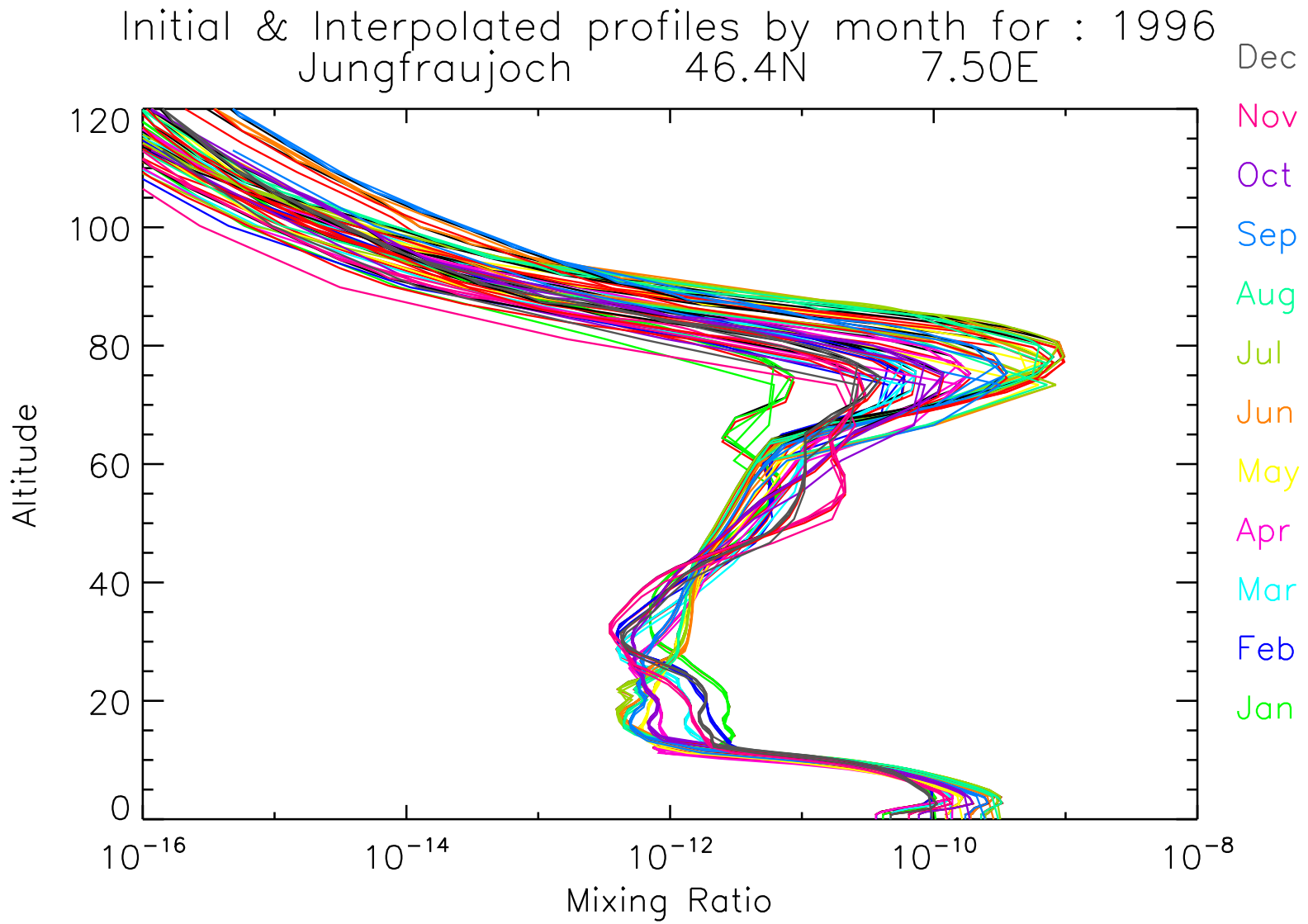
Initial & Interpolated profiles by month for : 1996
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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10^{-16}
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10^{-8}
Mixing Ratio
Dec
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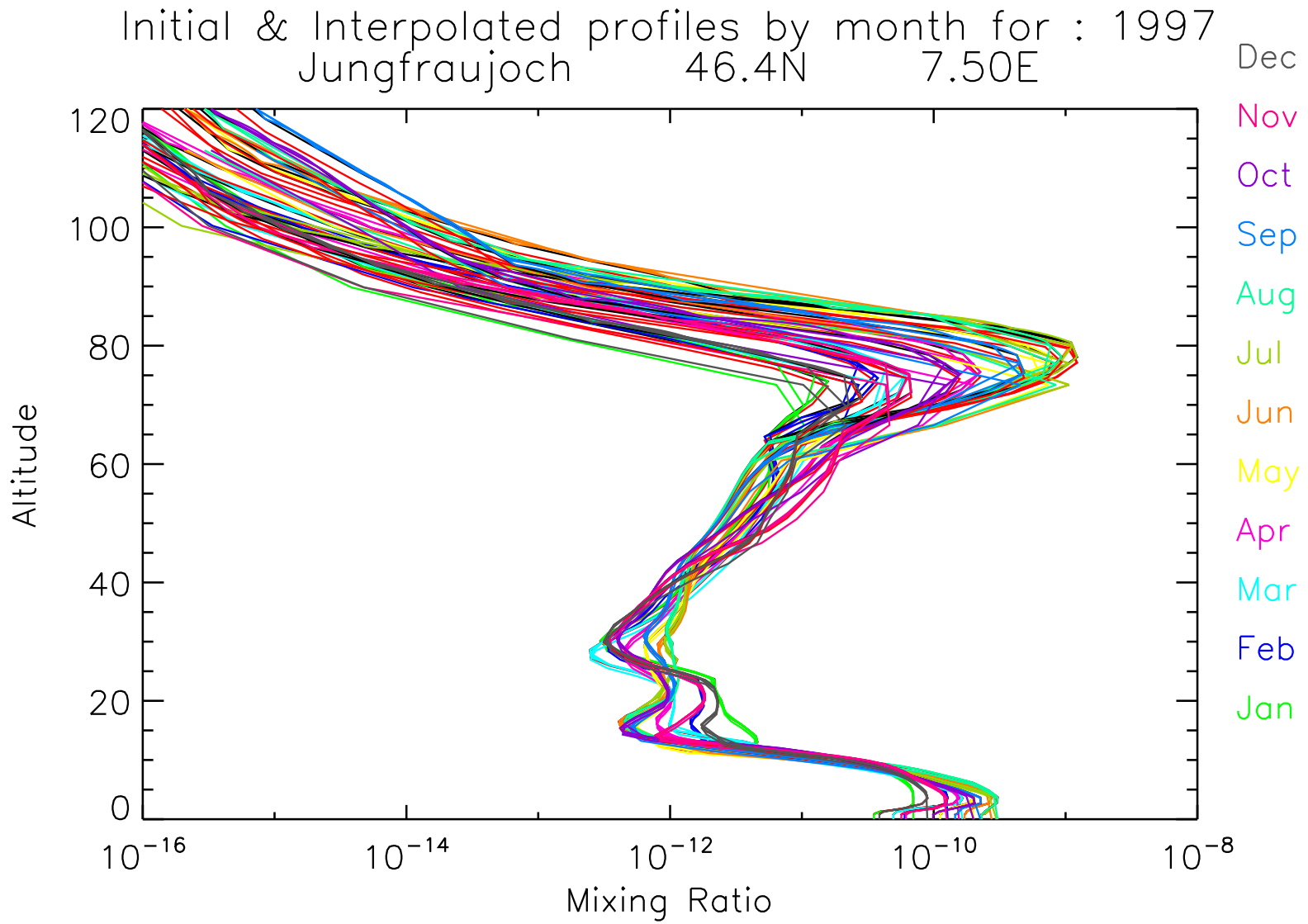
Initial & Interpolated profiles by month for : 1997
Jungfraujoch 46.4N 7.50E
Dec
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Jul
Jun
May
Apr
Mar
Feb
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Altitude
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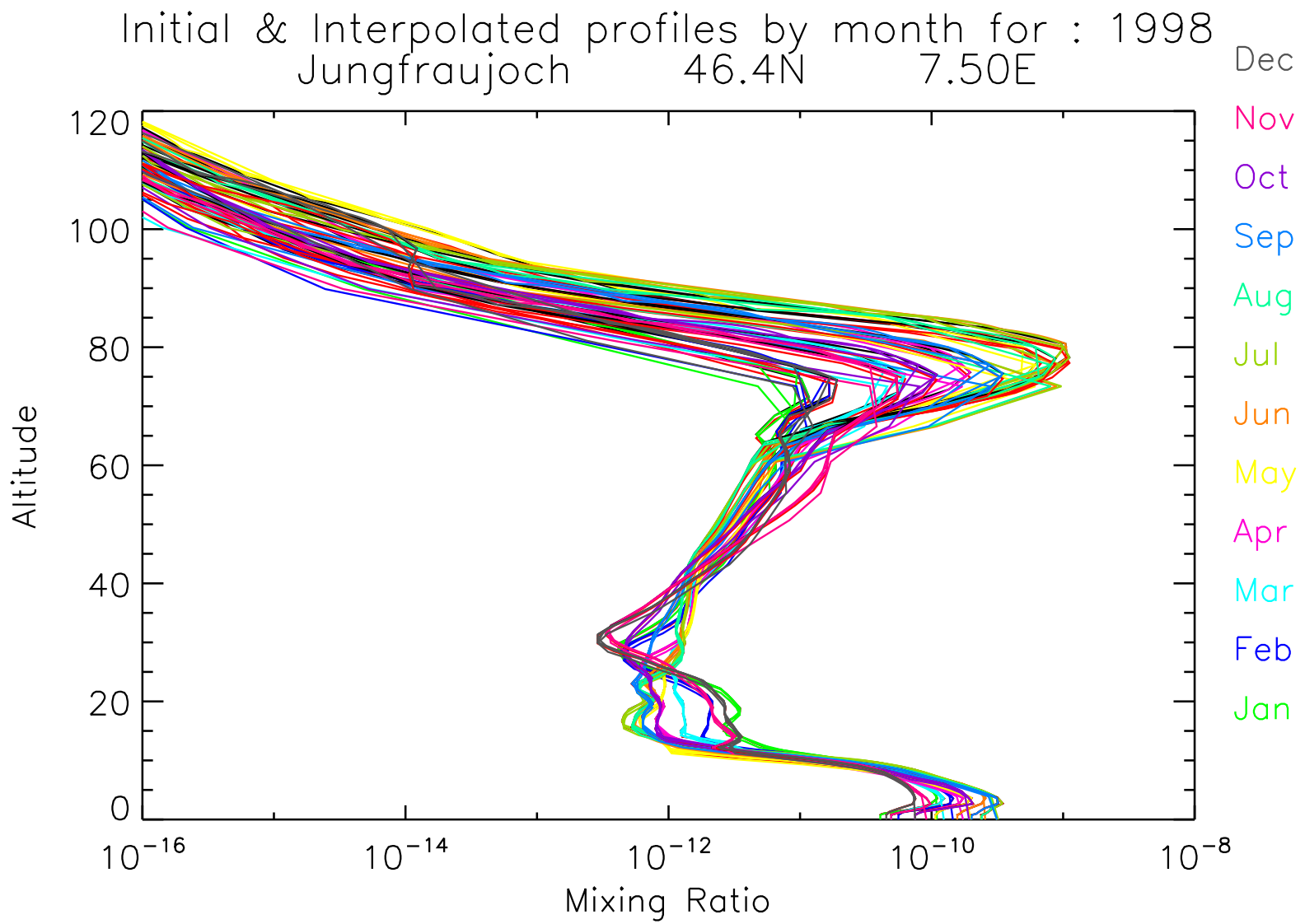
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 1998
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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60
40
20
0
10^{-16}
10^{-14}
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Mixing Ratio
Dec
Nov
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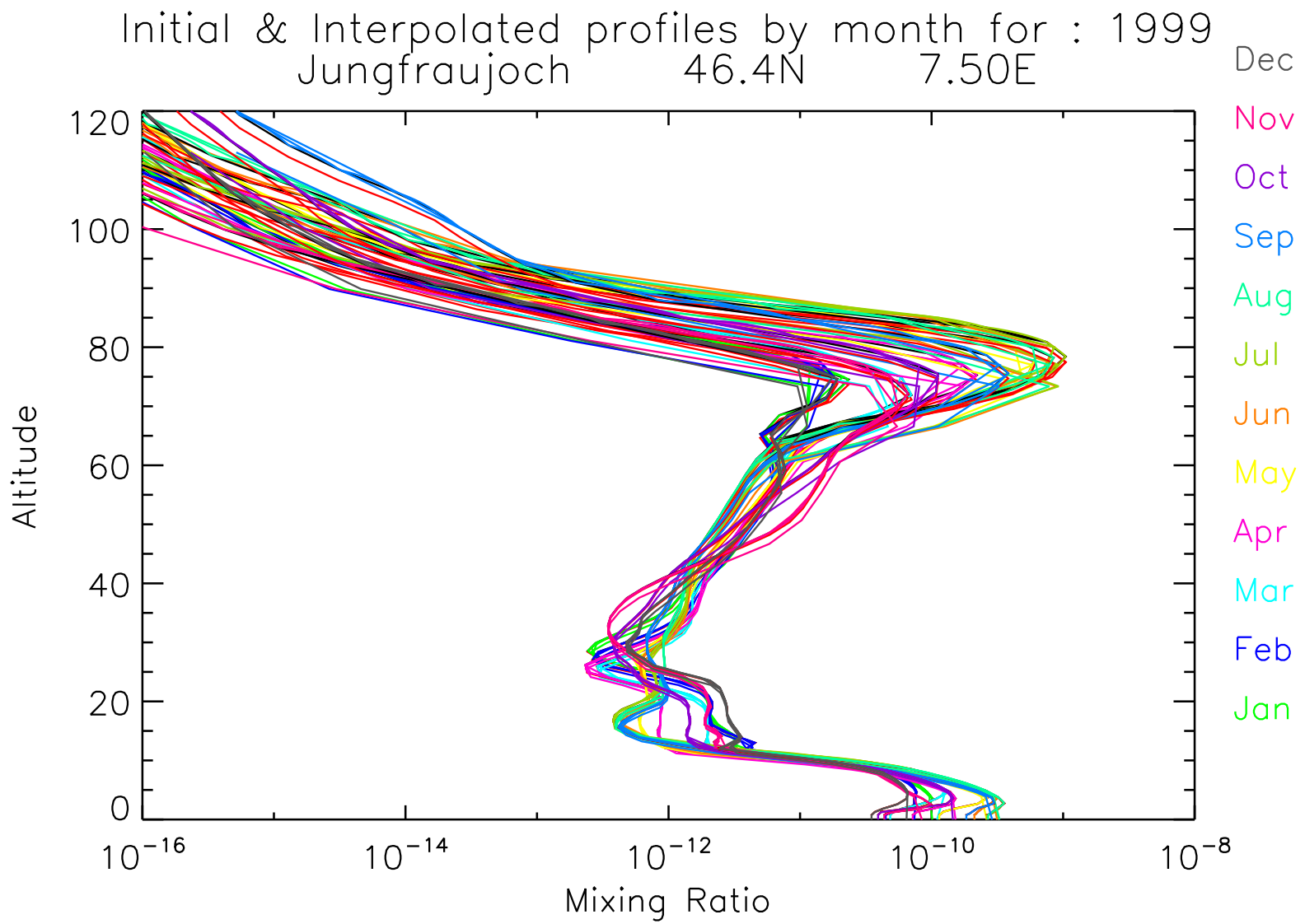
Feb
Jan


Initial & Interpolated profiles by month for : 1999
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
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0
Altitude
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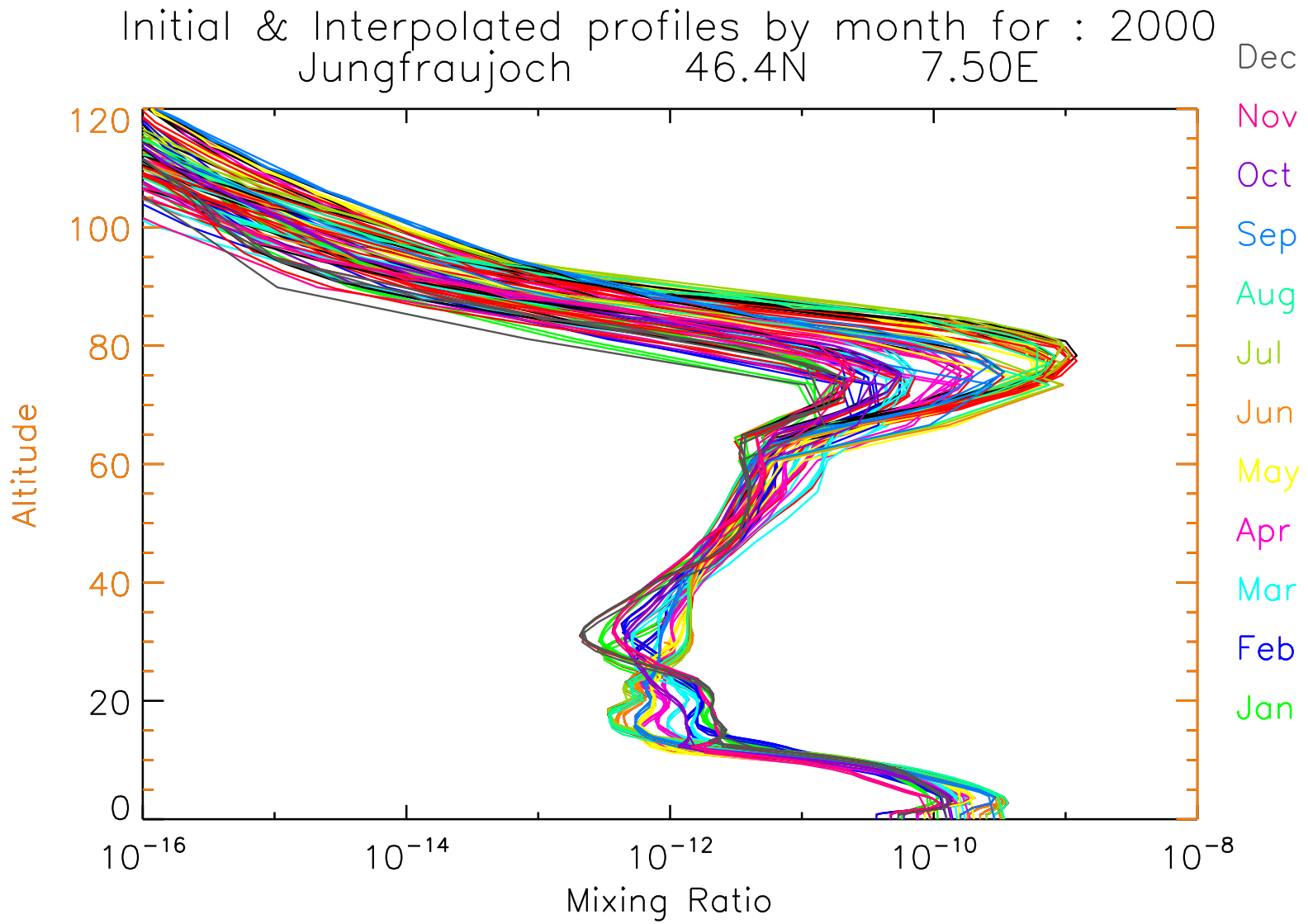
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


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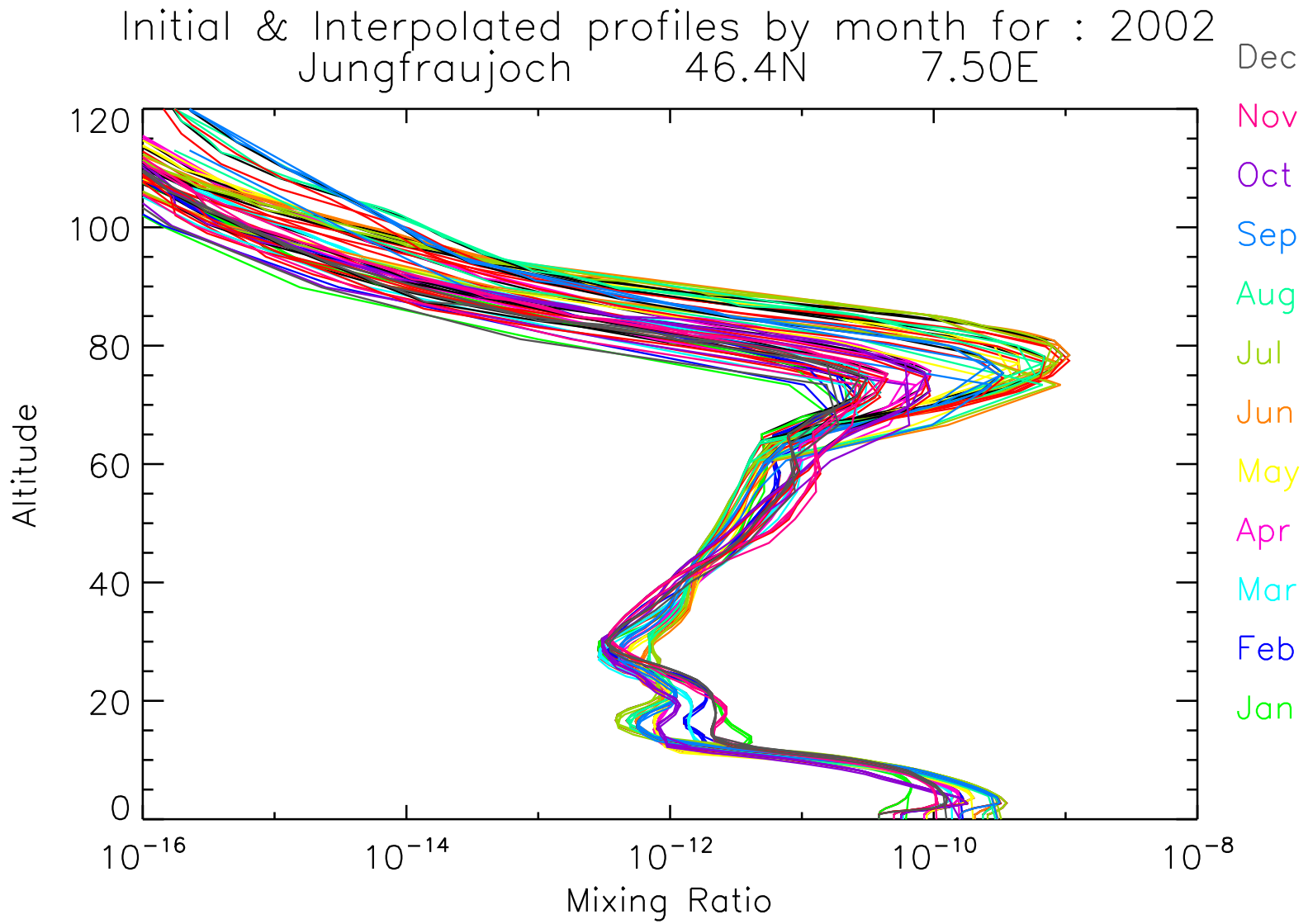
Jan


Initial & Interpolated profiles by month for : 2002
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
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40
20
0
10^{-16}
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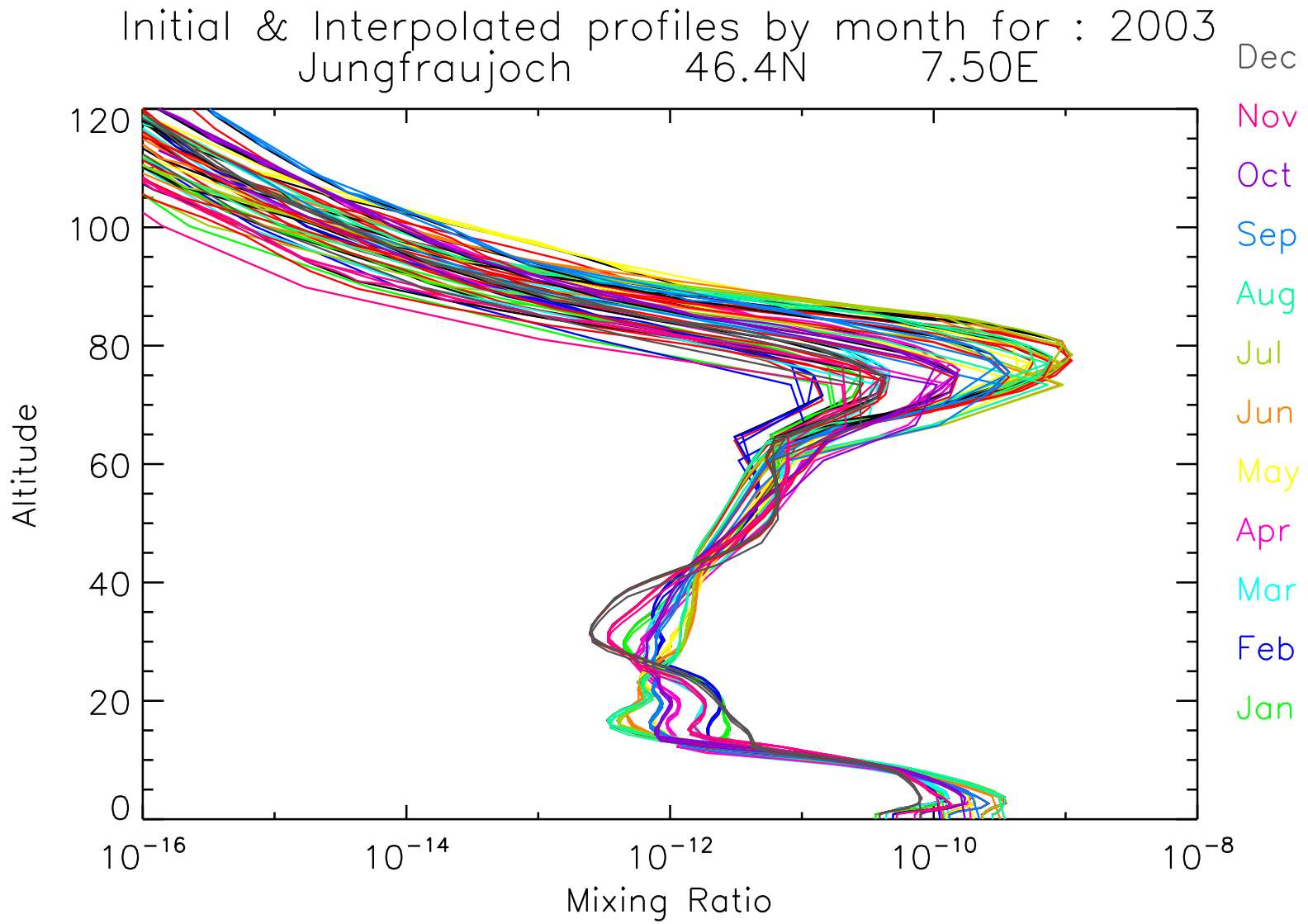
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2003
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
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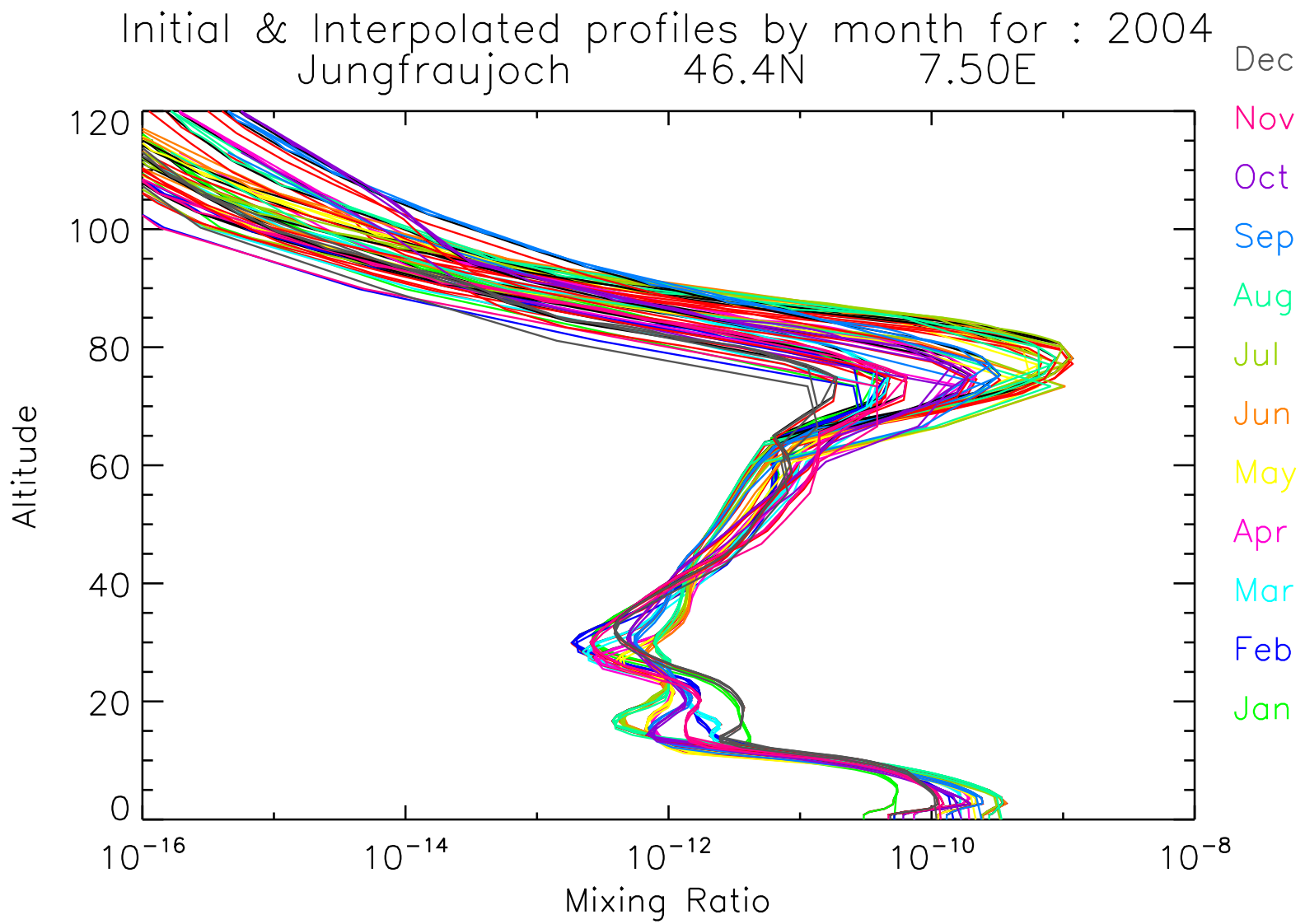
40
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


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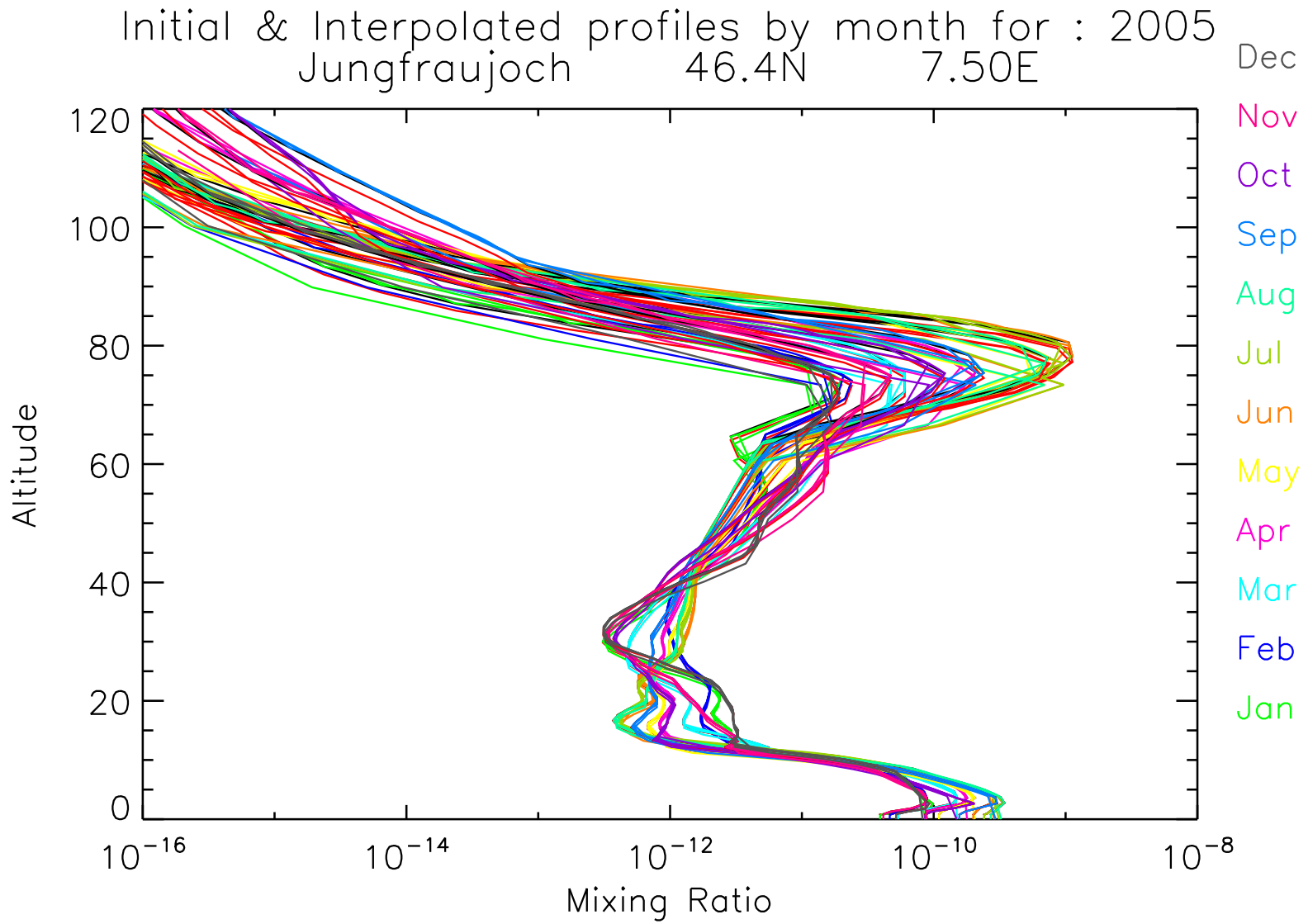
Jan


Initial & Interpolated profiles by month for : 2005
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
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10^{-10}
10^{-8}
Mixing Ratio
Dec
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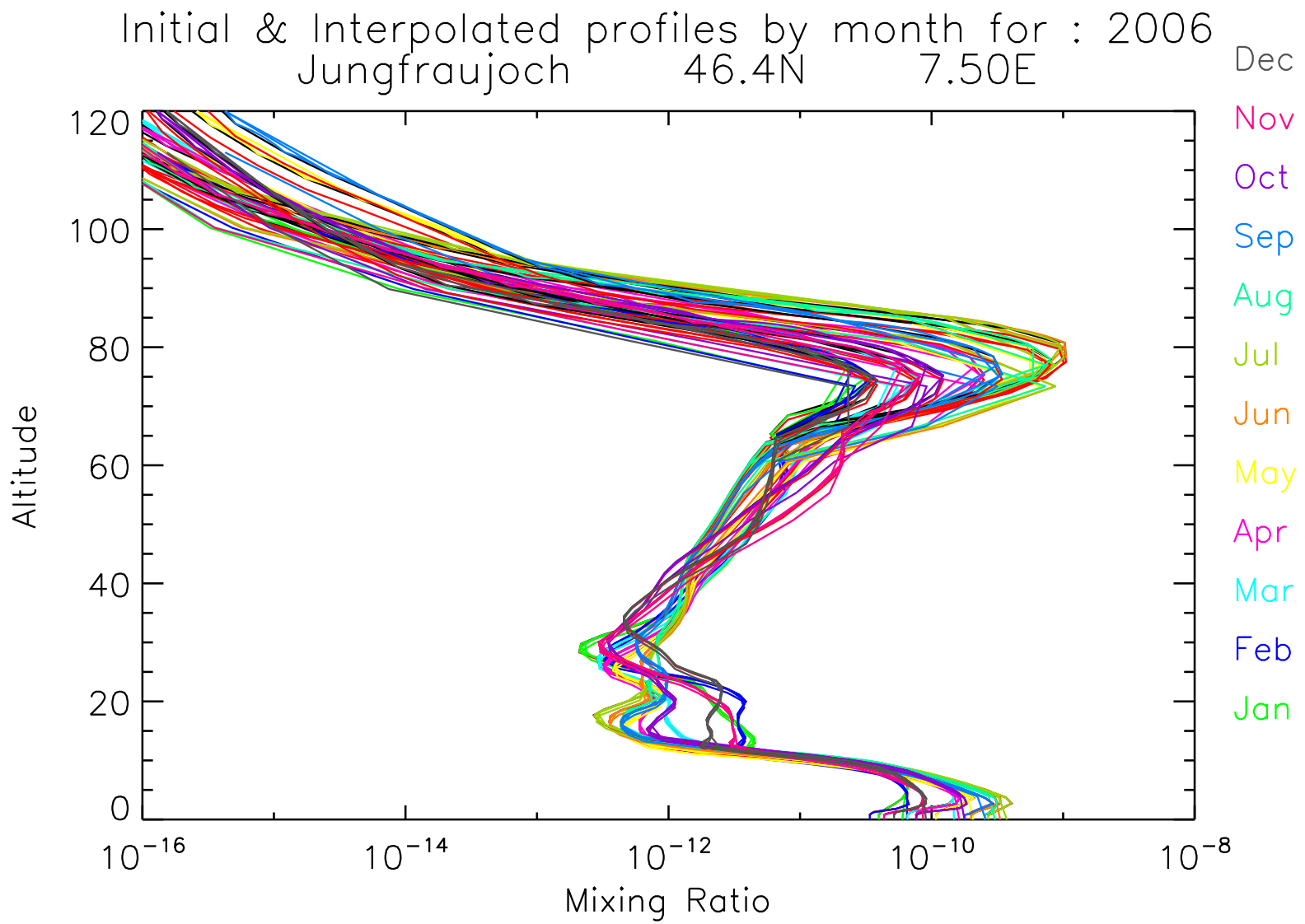
Initial & Interpolated profiles by month for : 2006
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
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Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
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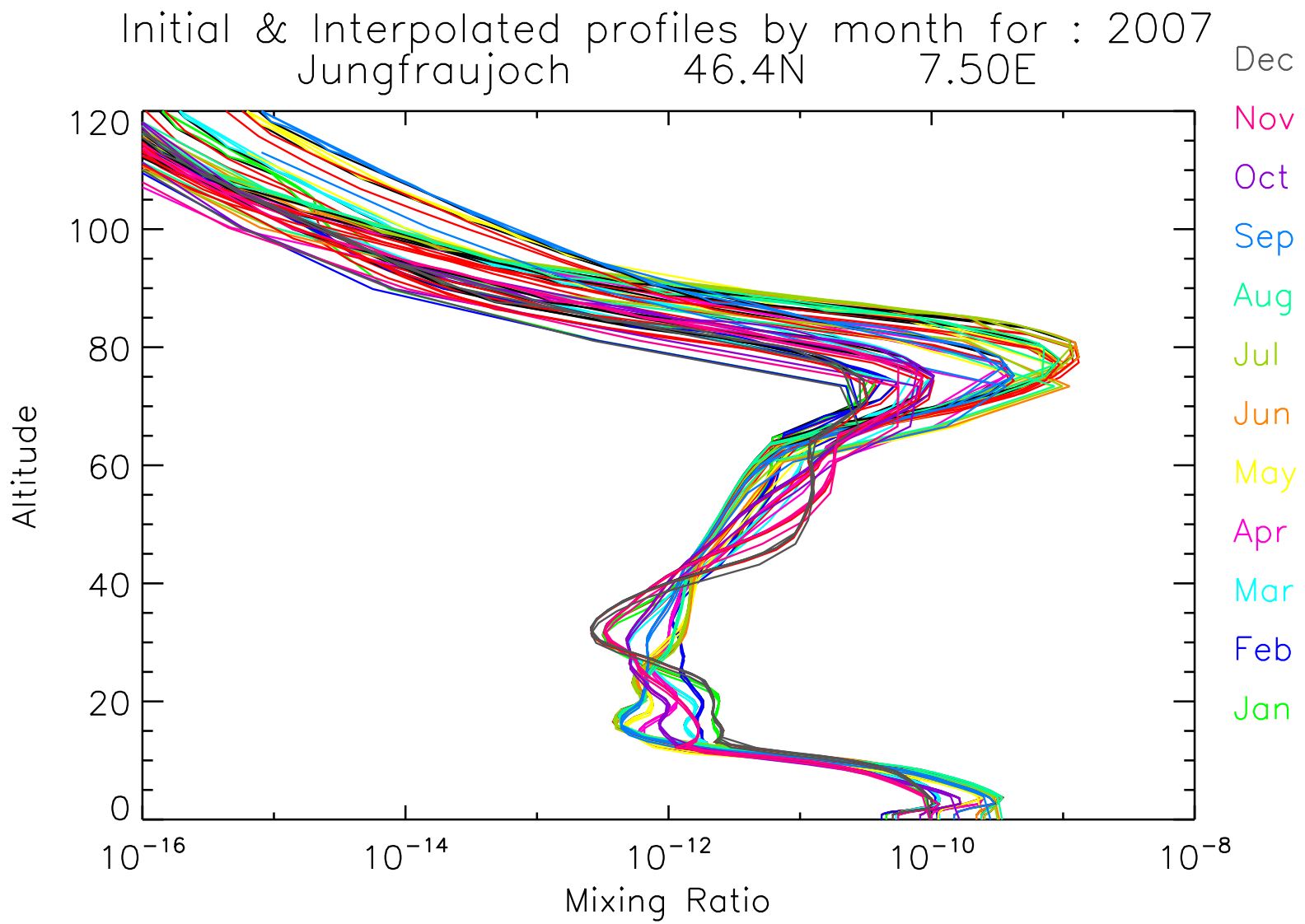
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2007
Jungfraujoch 46.4N 7.50E
Altitude
120
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10^{-16}
10^{-14}
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10^{-8}
Mixing Ratio
Dec
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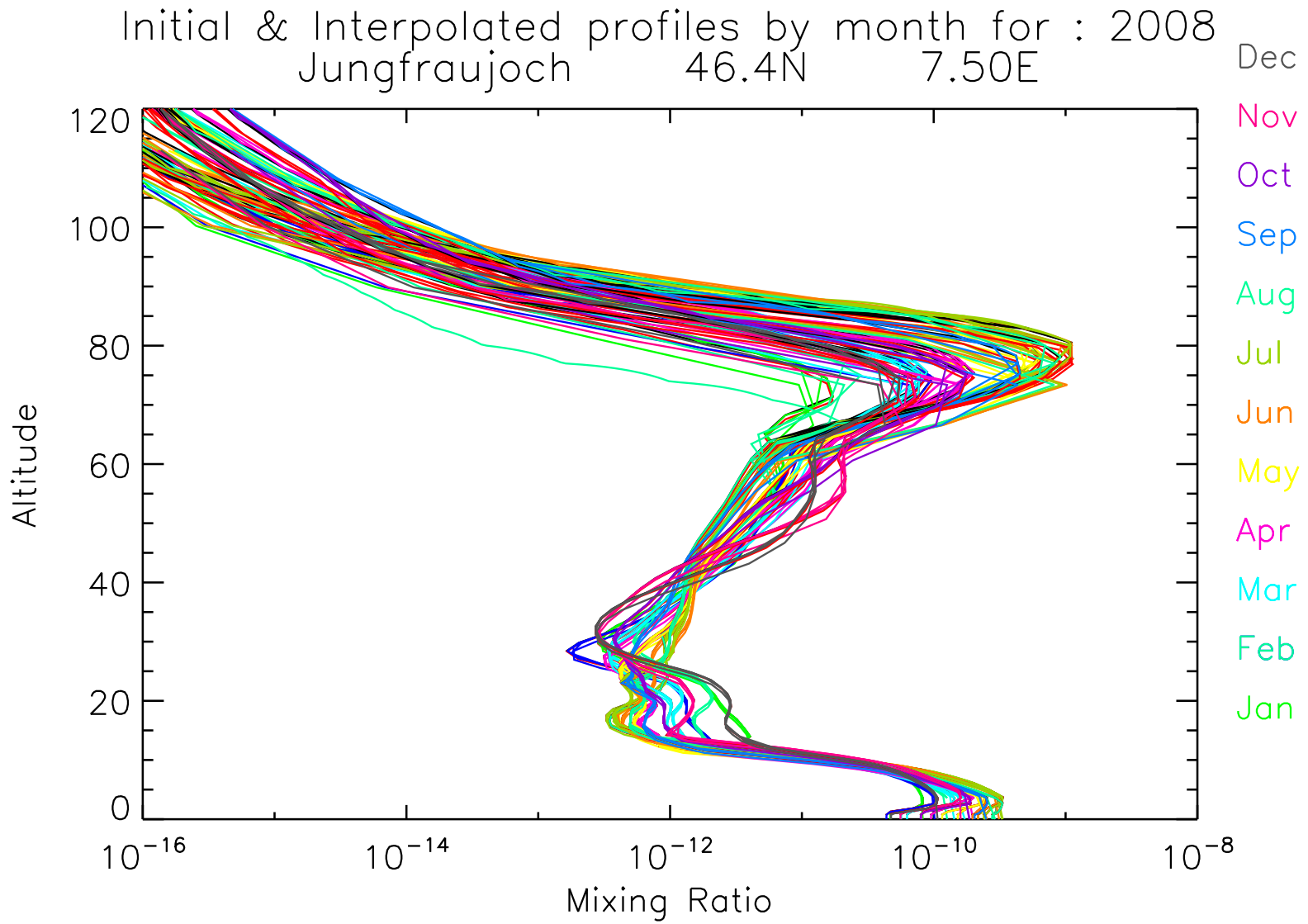
Initial & Interpolated profiles by month for : 2008
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
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10^{-8}
Mixing Ratio
Dec
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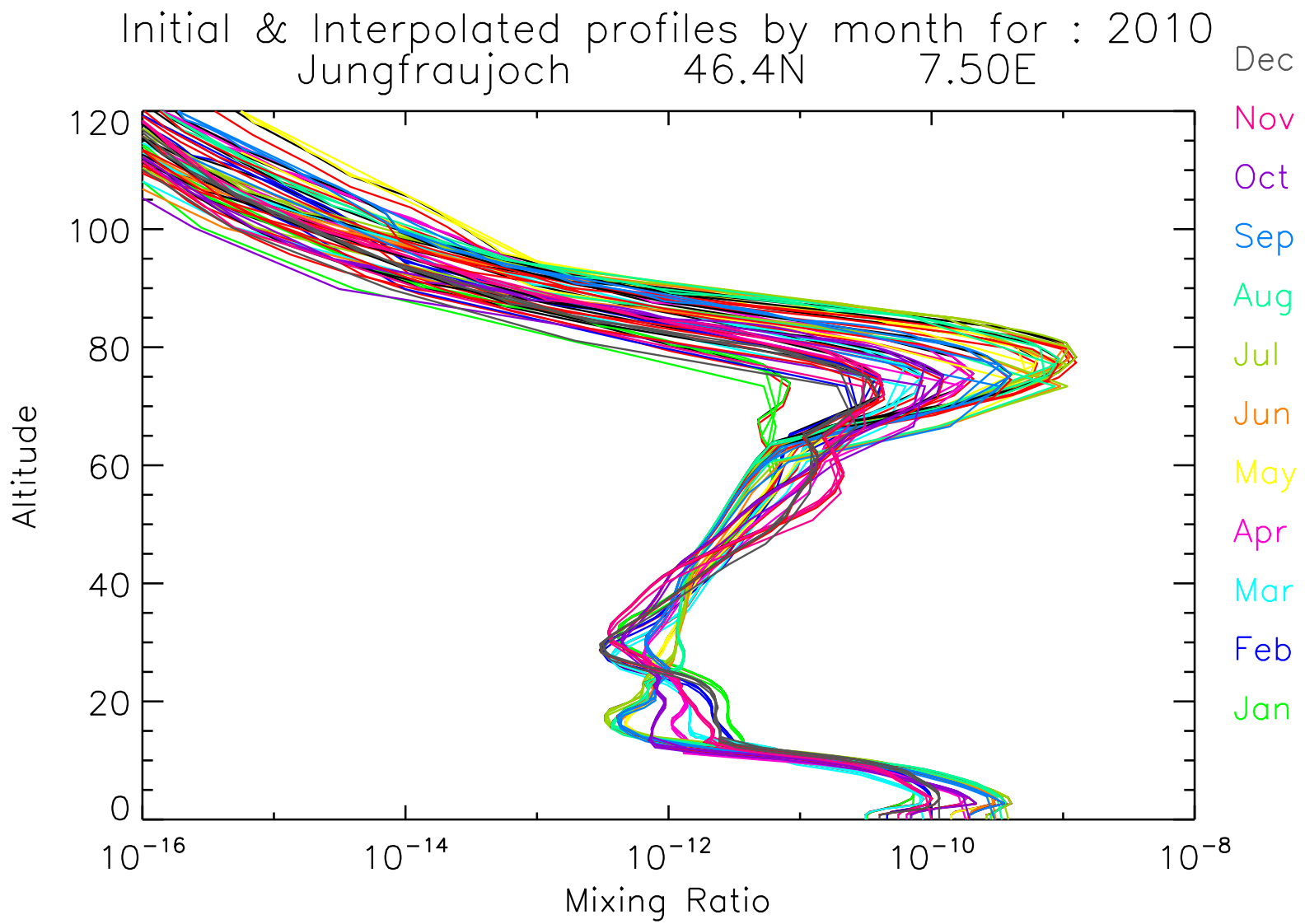
Initial & Interpolated profiles by month for : 2010
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
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10^{-10}
10^{-8}
Mixing Ratio
Dec
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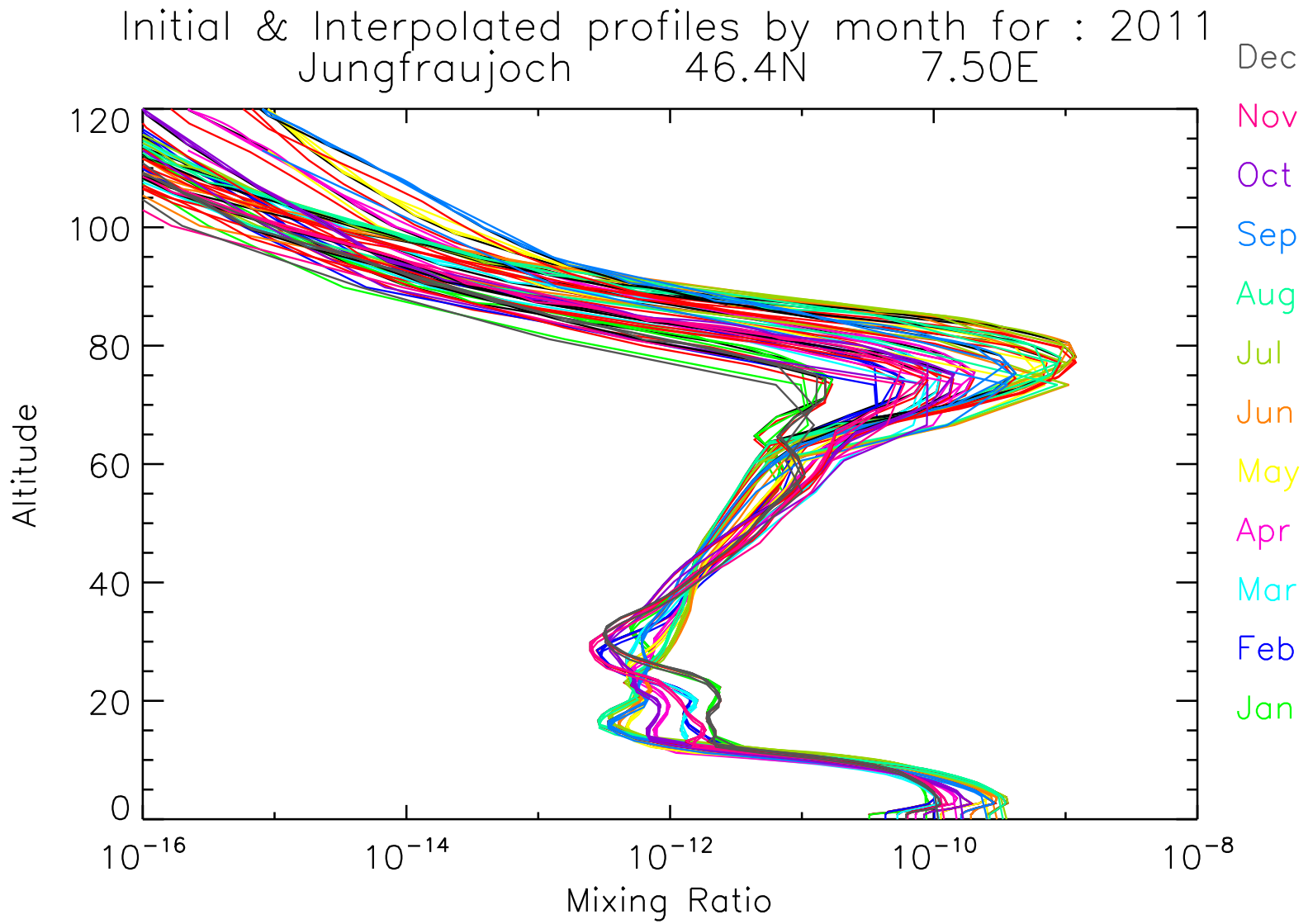
Initial & Interpolated profiles by month for : 2011
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
120
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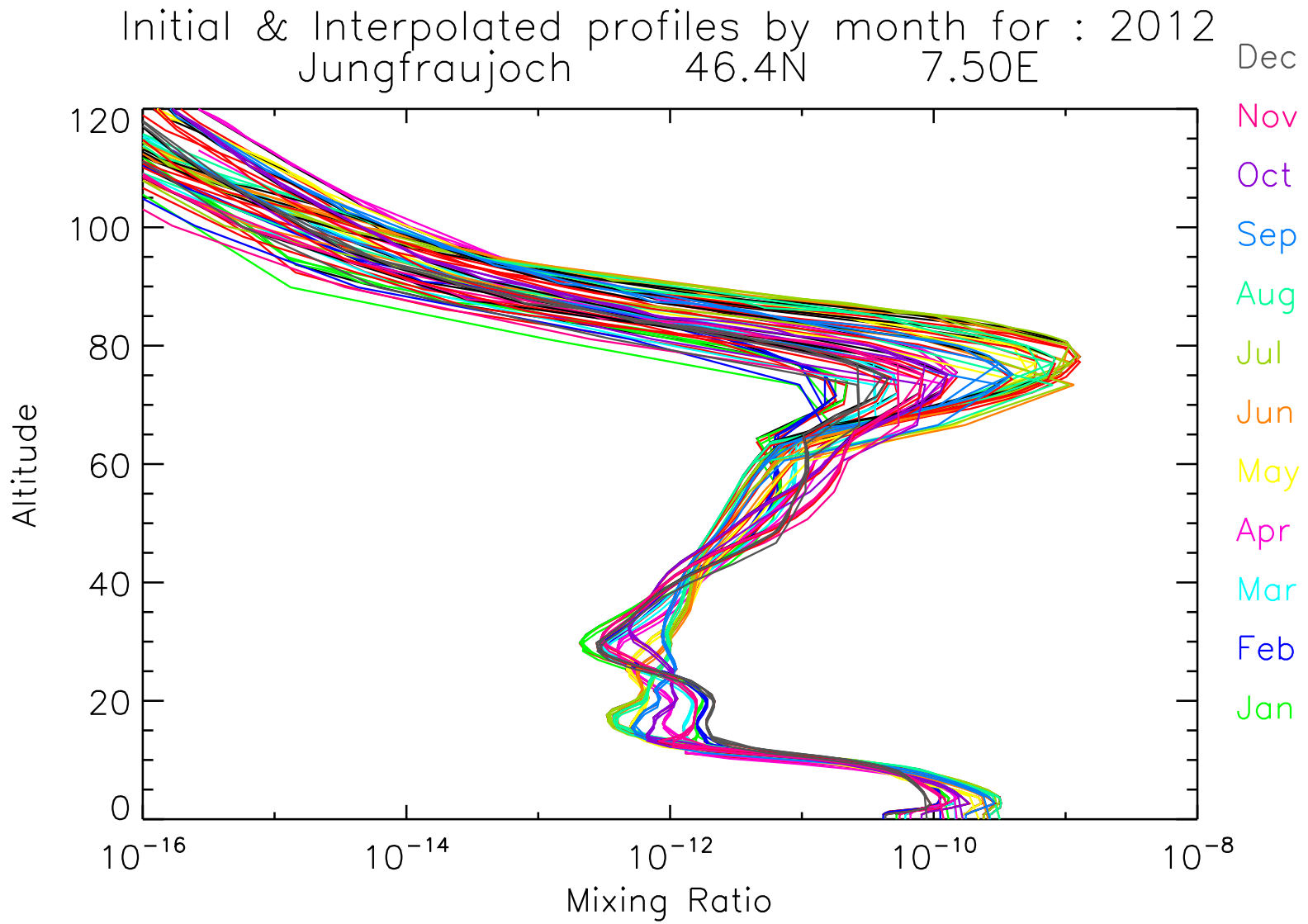
20
0
Altitude
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio


Initial & Interpolated profiles by month for : 2012
Jungfraujoch 46.4N 7.50E
Altitude
120
100
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10^{-16}
10^{-14}
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10^{-8}
Mixing Ratio
Dec
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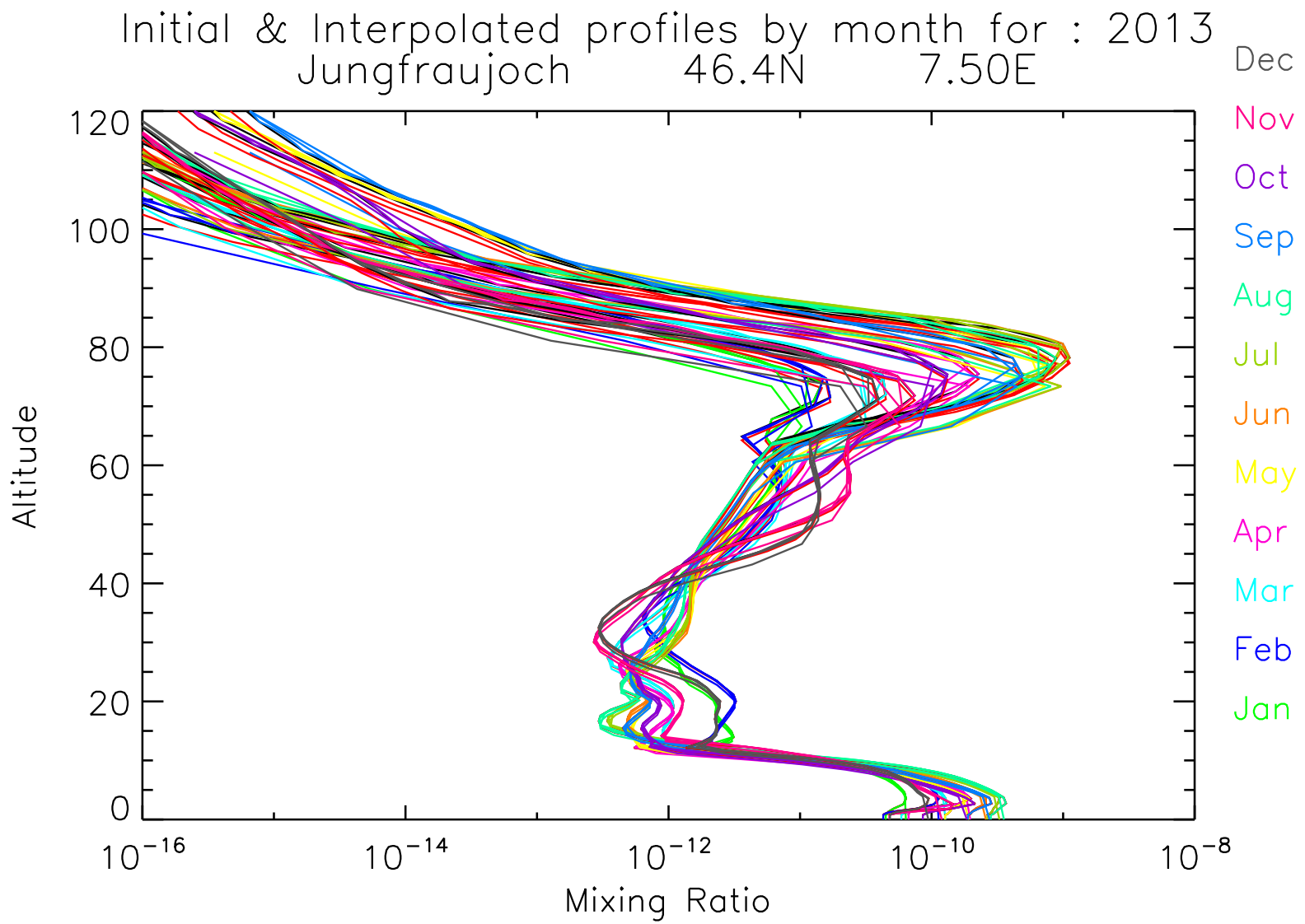
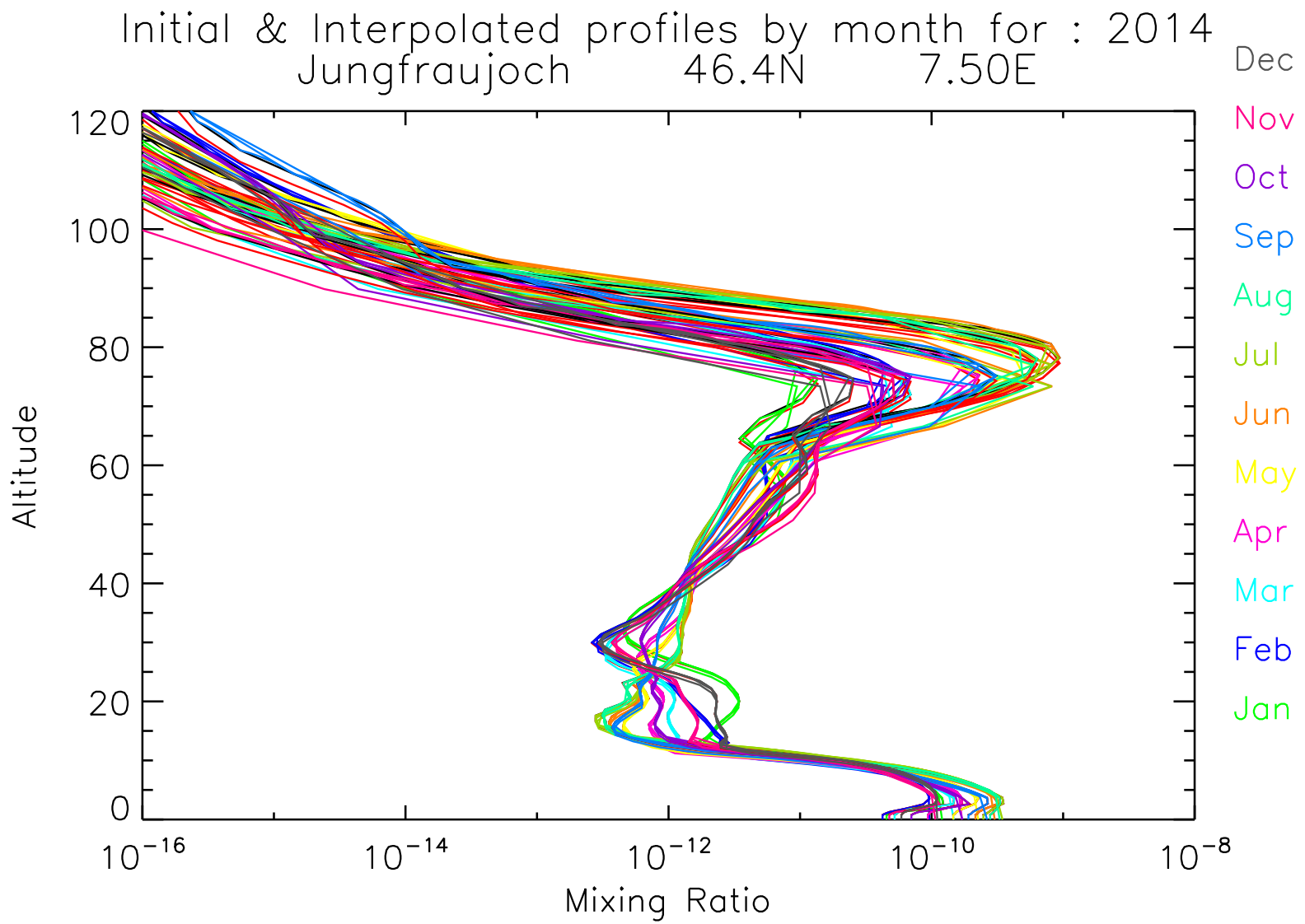
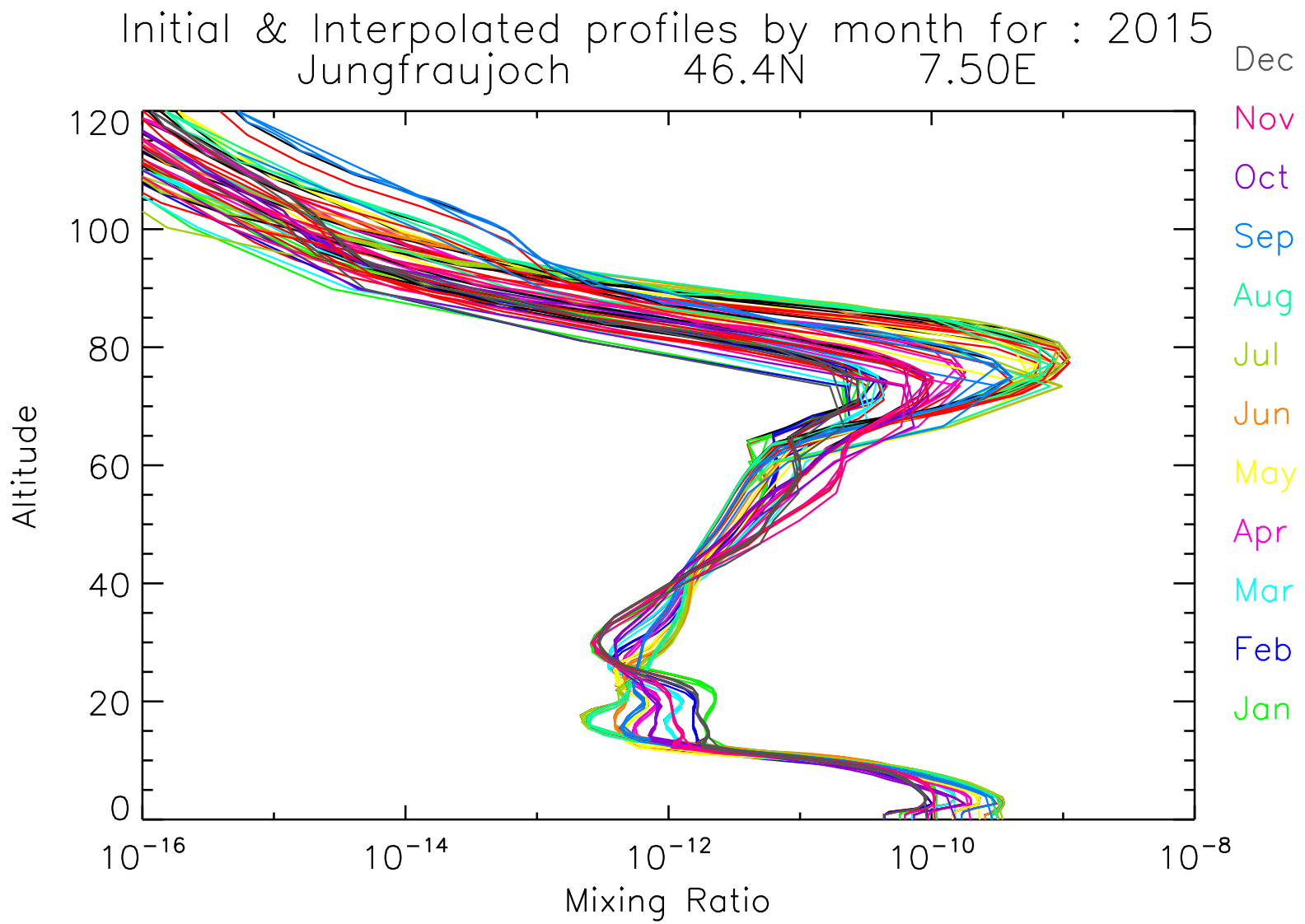
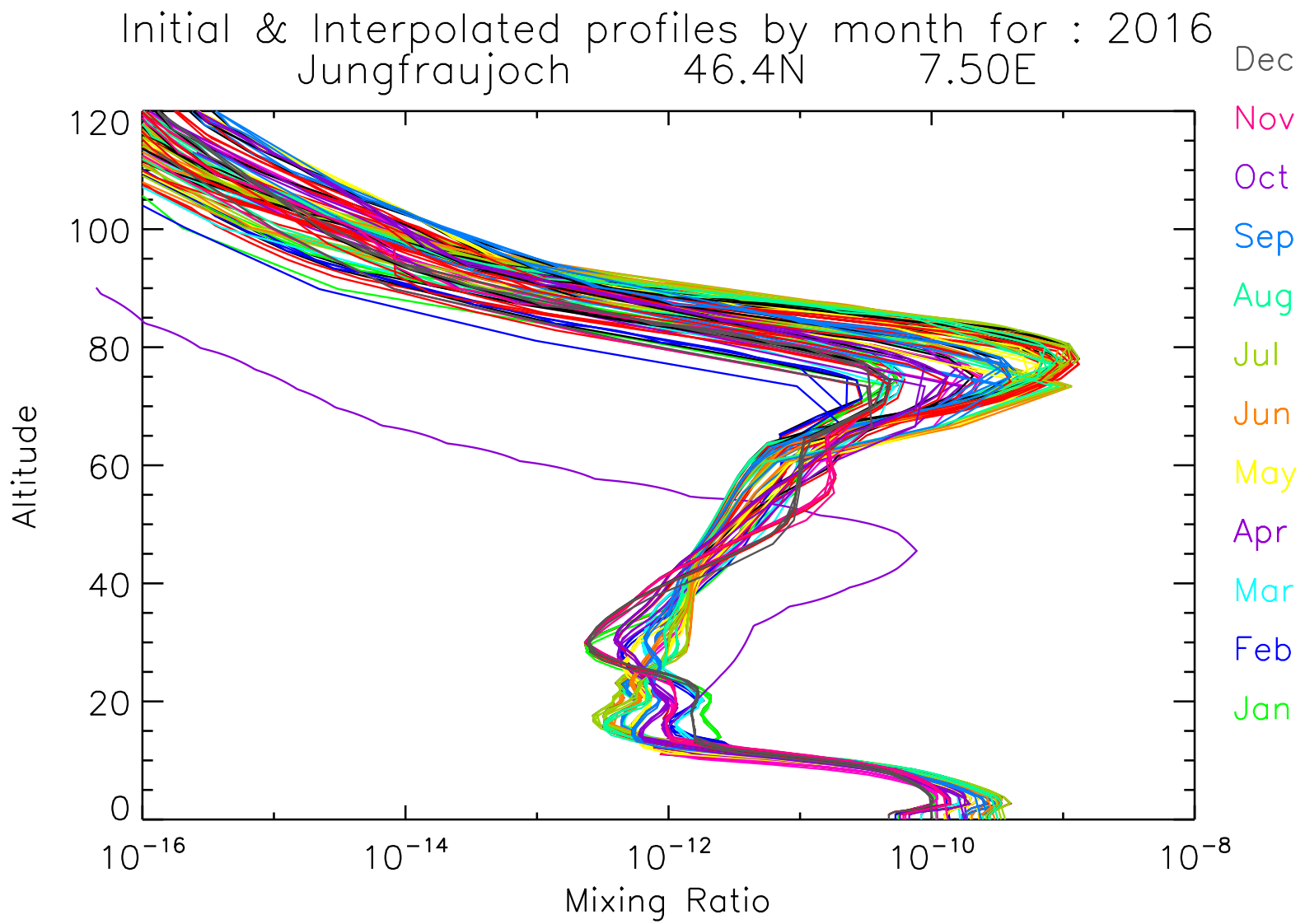
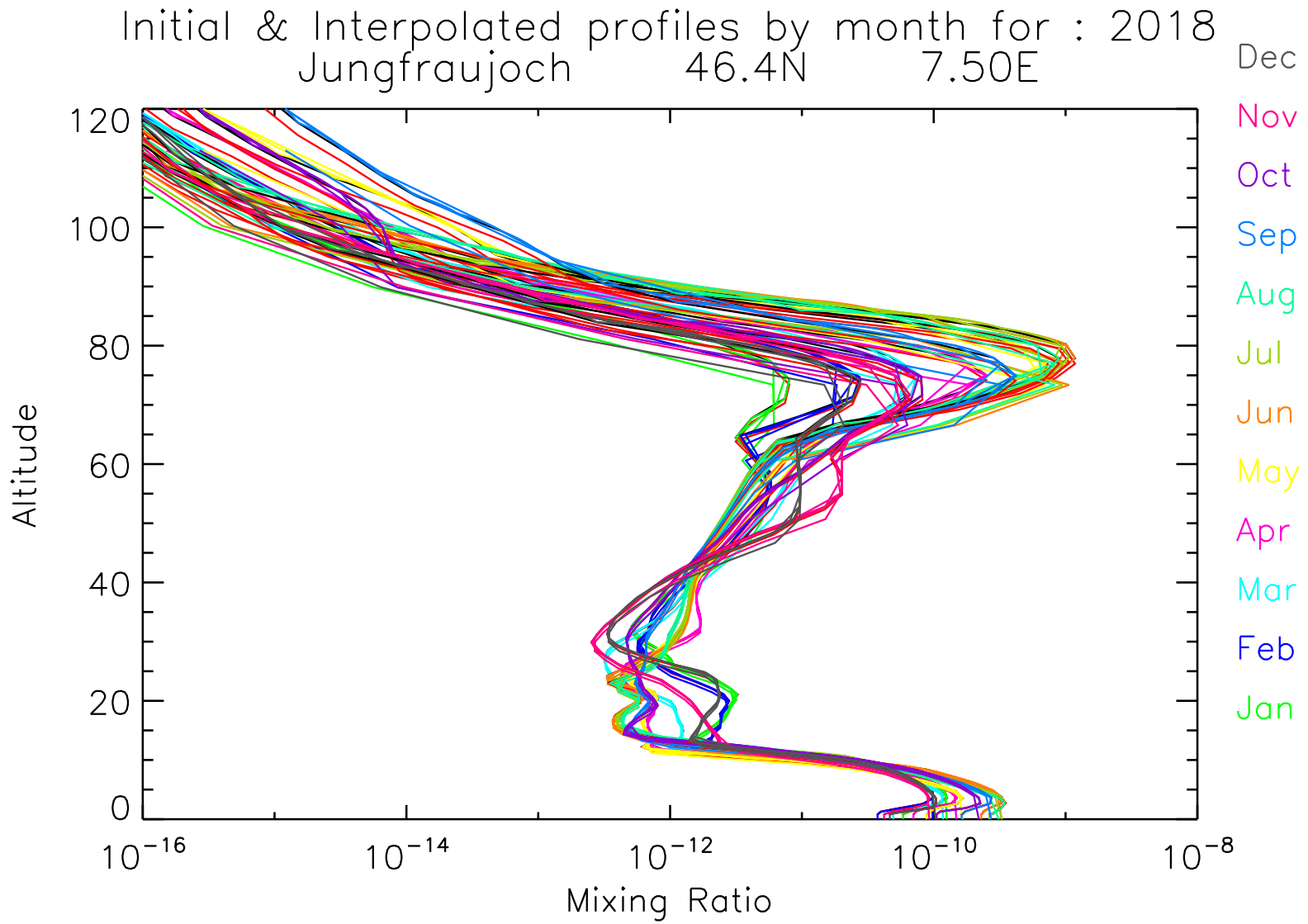
Jan

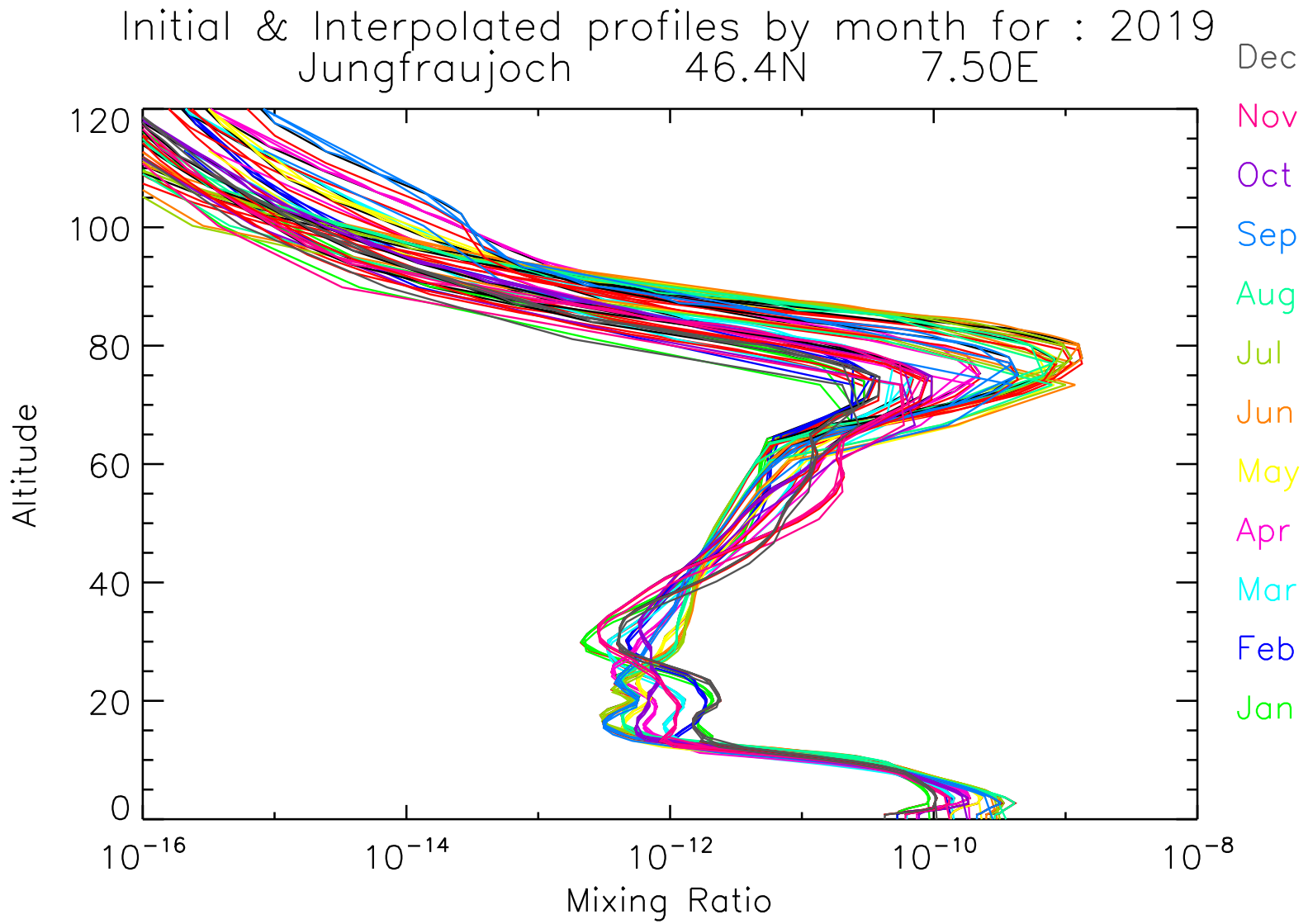

Initial & Interpolated profiles by month for : 2013
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

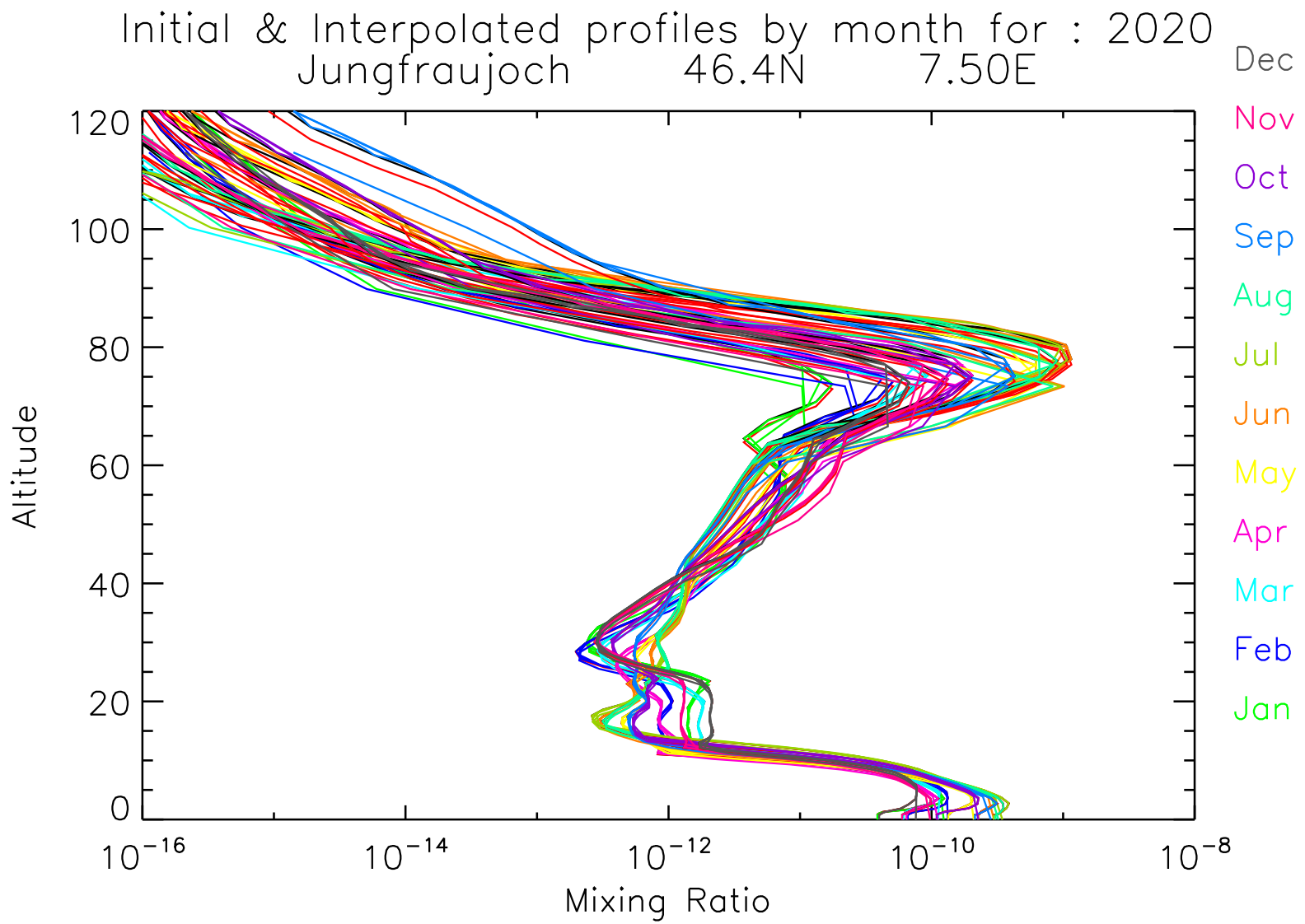

Initial & Interpolated profiles by month for : 2014
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

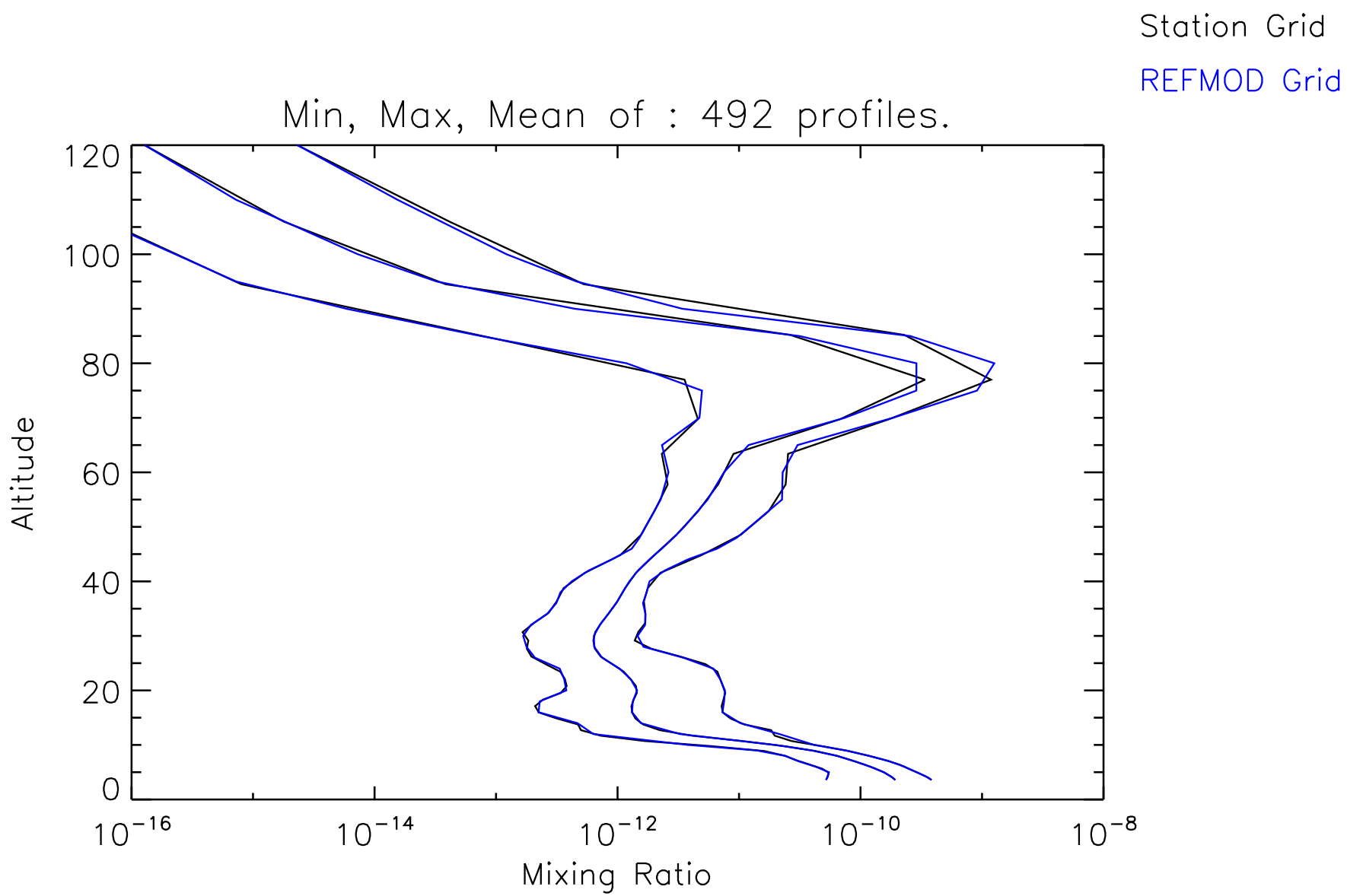

Initial & Interpolated profiles by month for : 2015
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

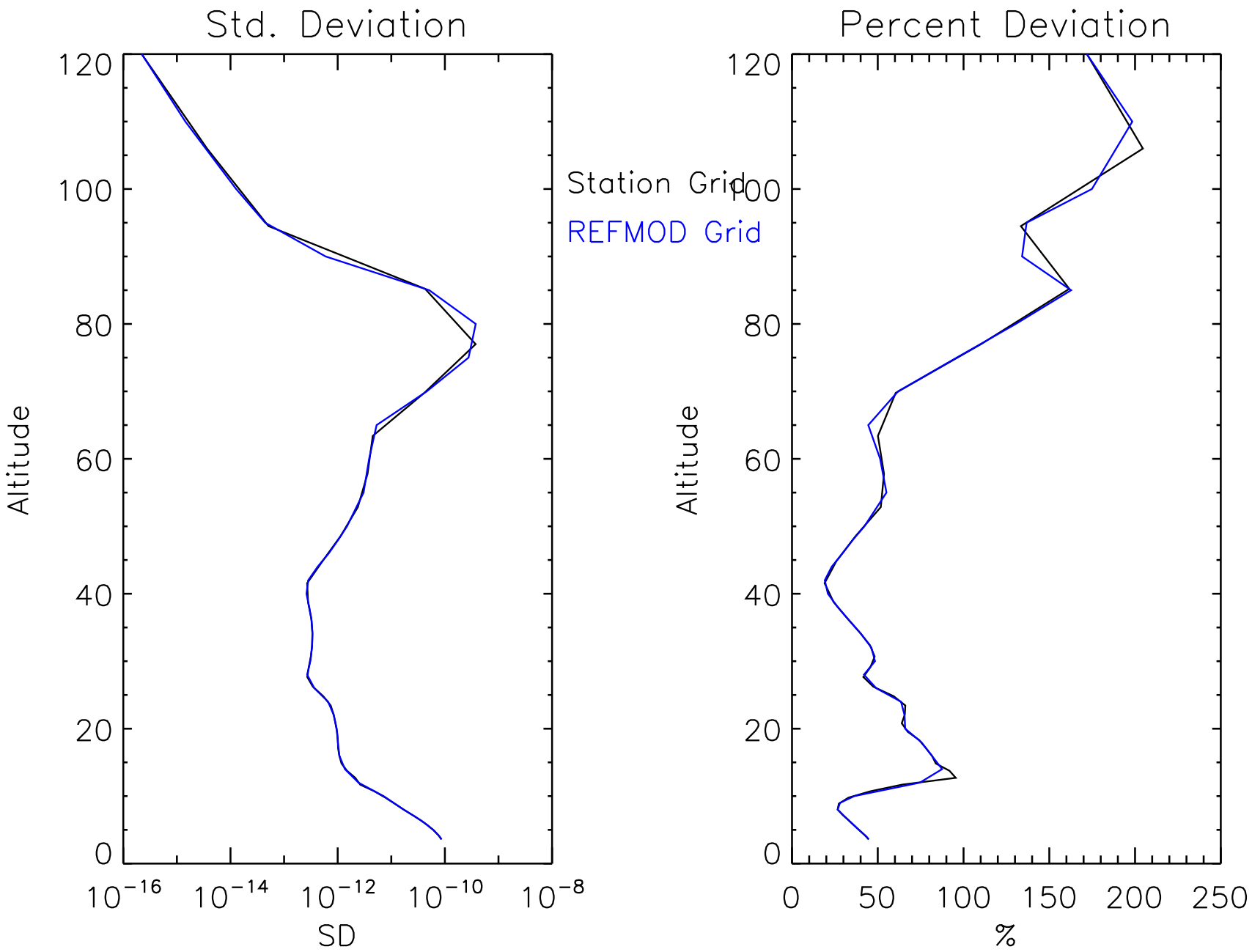

Initial & Interpolated profiles by month for : 2016
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

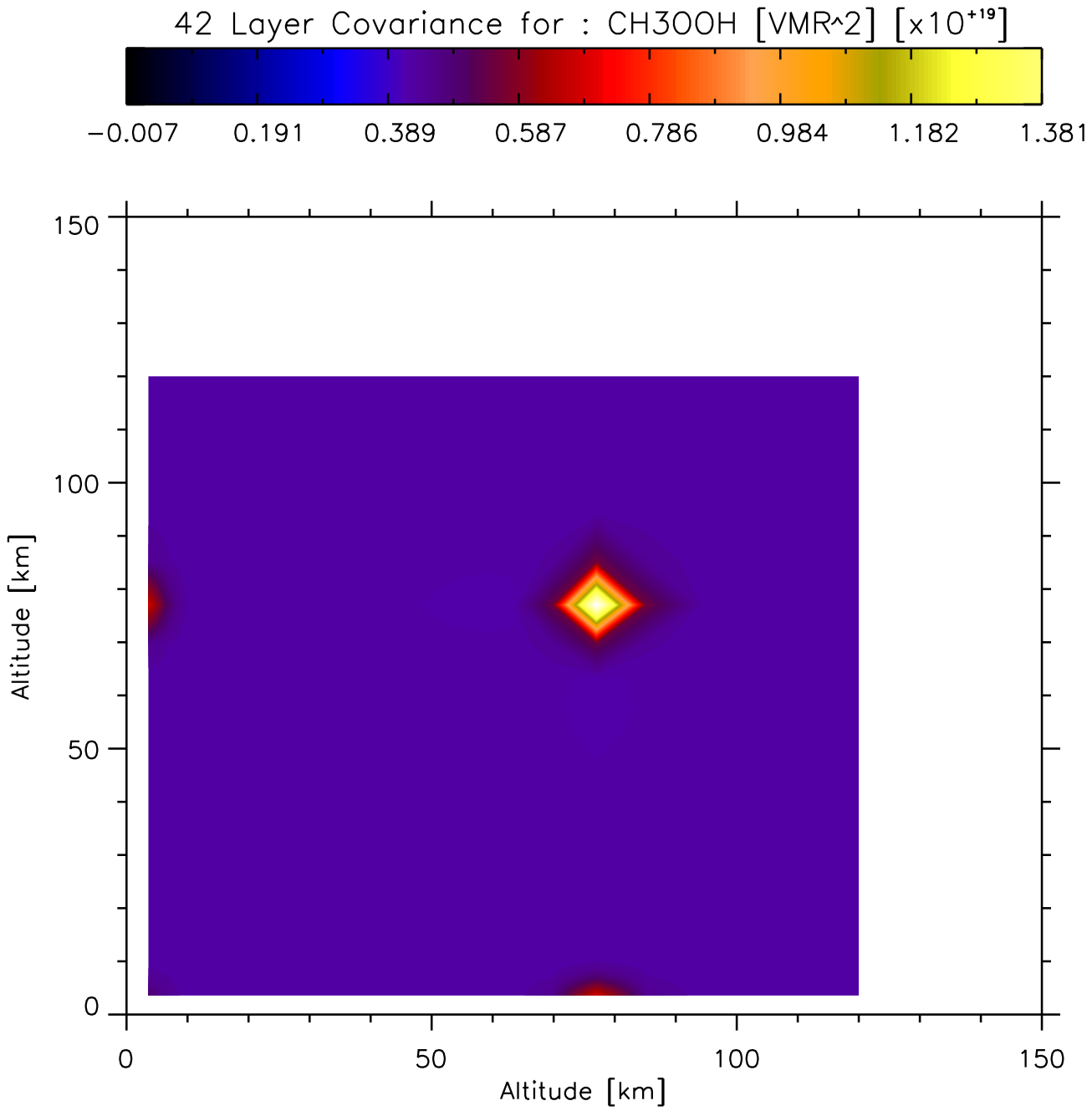

Initial & Interpolated profiles by month for : 2018
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

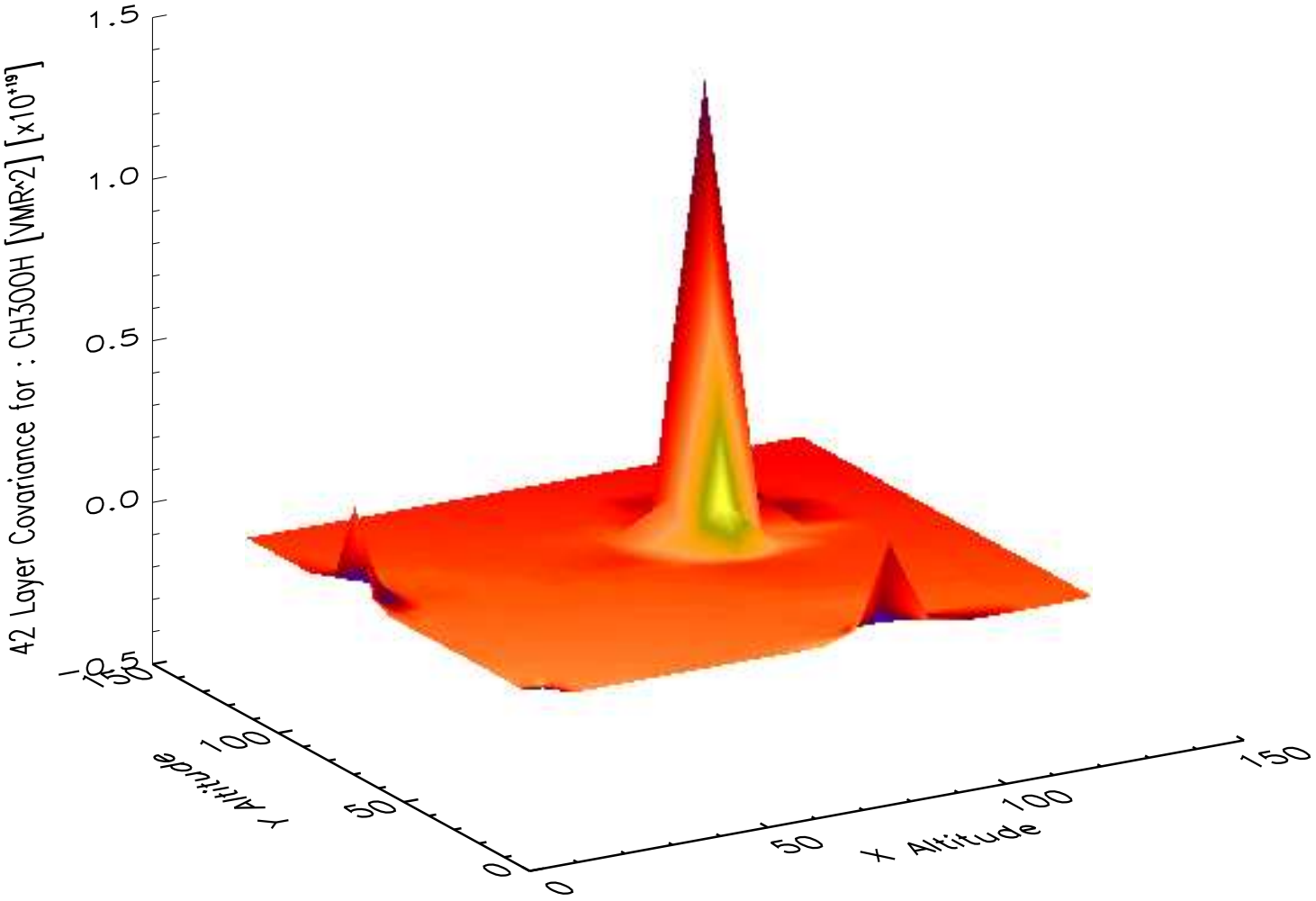

Initial & Interpolated profiles by month for : 2019
Jungfraujoch 46.4N 7.50E
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio

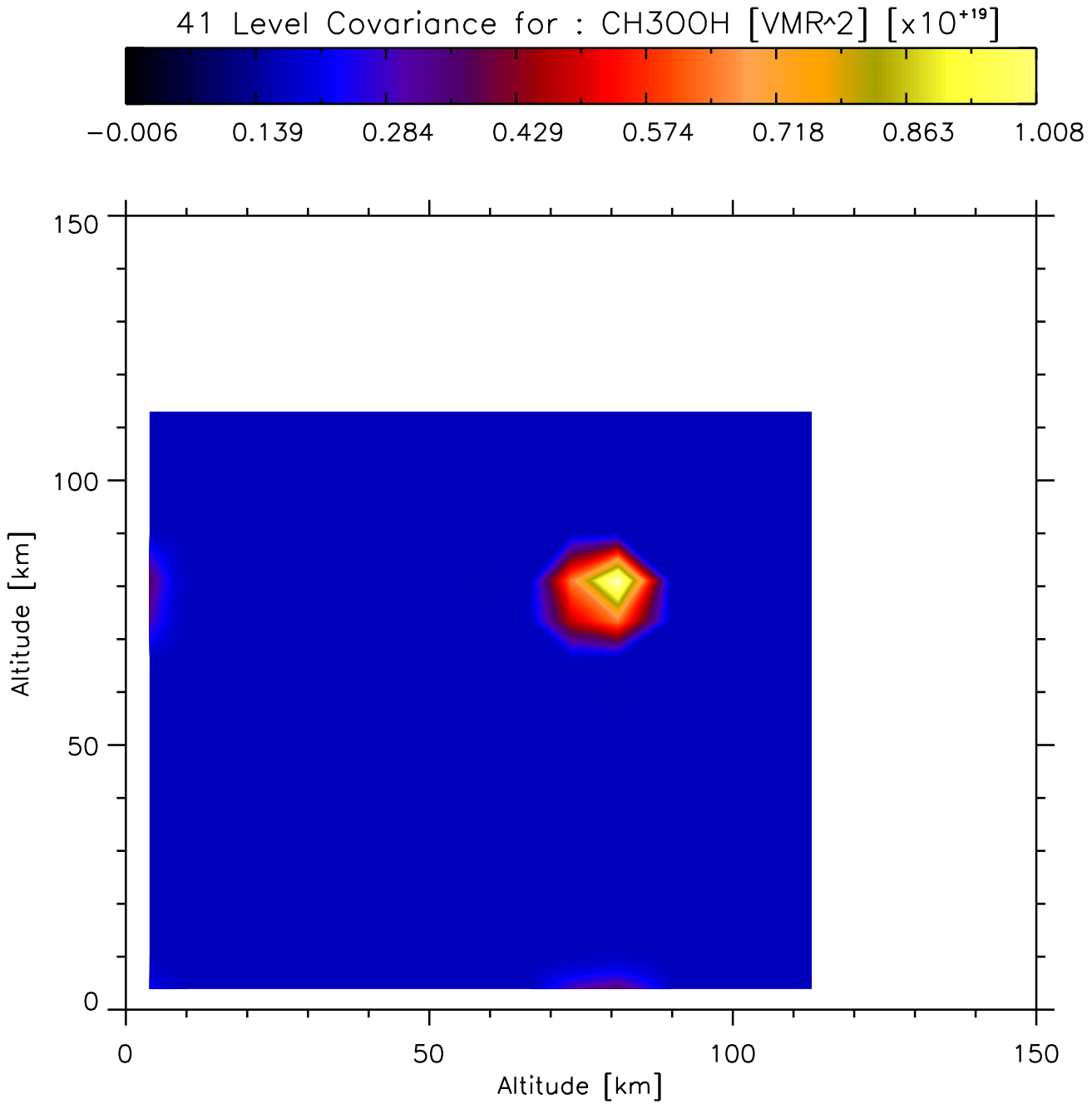

Initial & Interpolated profiles by month for : 2020
Jungfraujoch 46.4N 7.50E
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


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


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-16}
10^{-14}
10^{-12}
10^{-10}
10^{-8}
SD
0
50
100
150
200
250
%


42 Layer Covariance for : CH3OOH [VMR^2] [x10^+19]
−0.007
0.191
0.389
0.587
0.786
0.984
1.182
1.381
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]


42 Layer Covariance for : CH3OOH [VMR^2] [x10^19]
1.5
1.0
0.5
0.0
-0.5
150
100
50
0
Y Altitude
0
50
100
150
X Altitude


41 Level Covariance for : CH3OOH [VMR^2] [x10^+19]
−0.006
0.139
0.284
0.429
0.574
0.718
0.863
1.008
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]