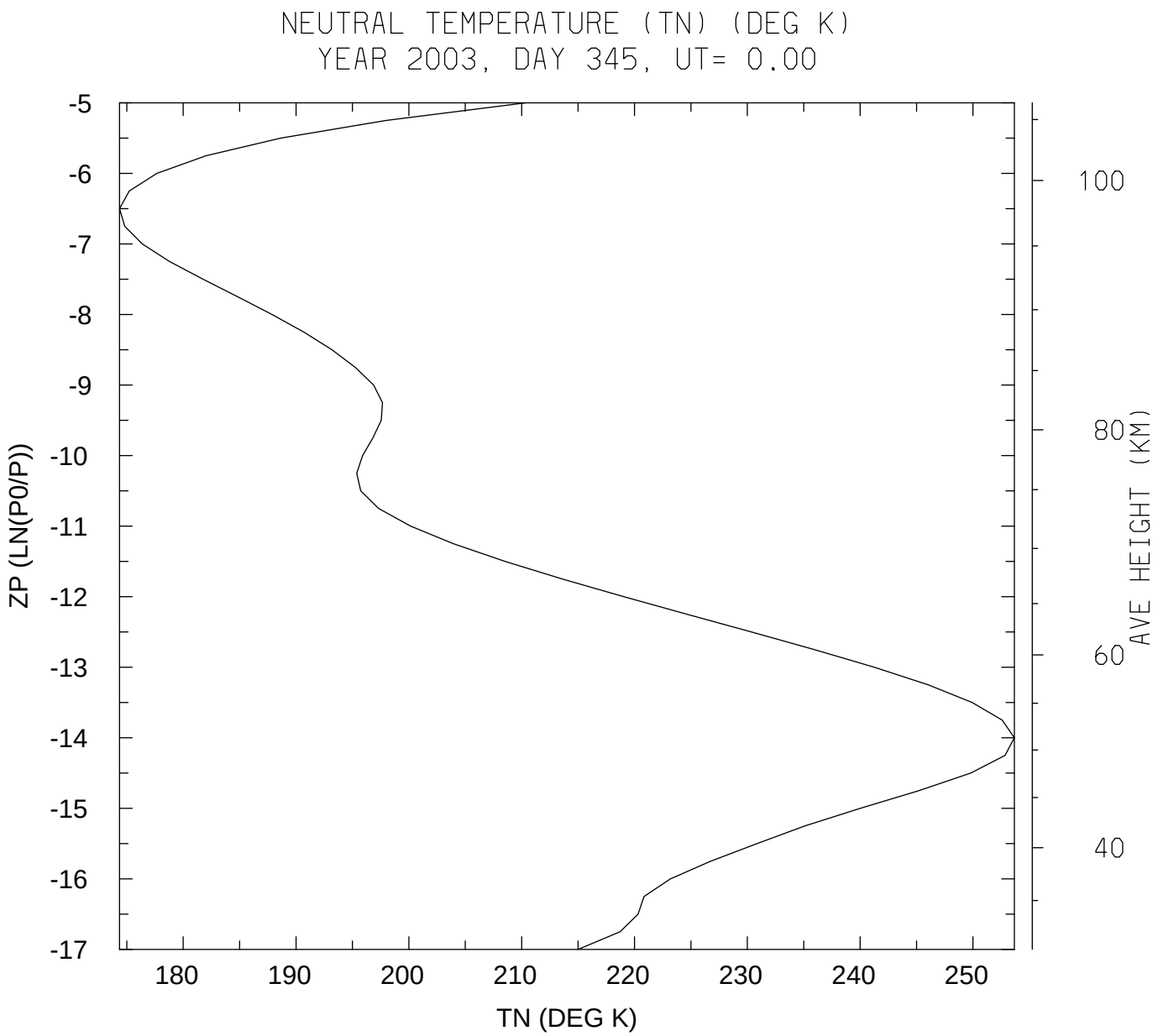
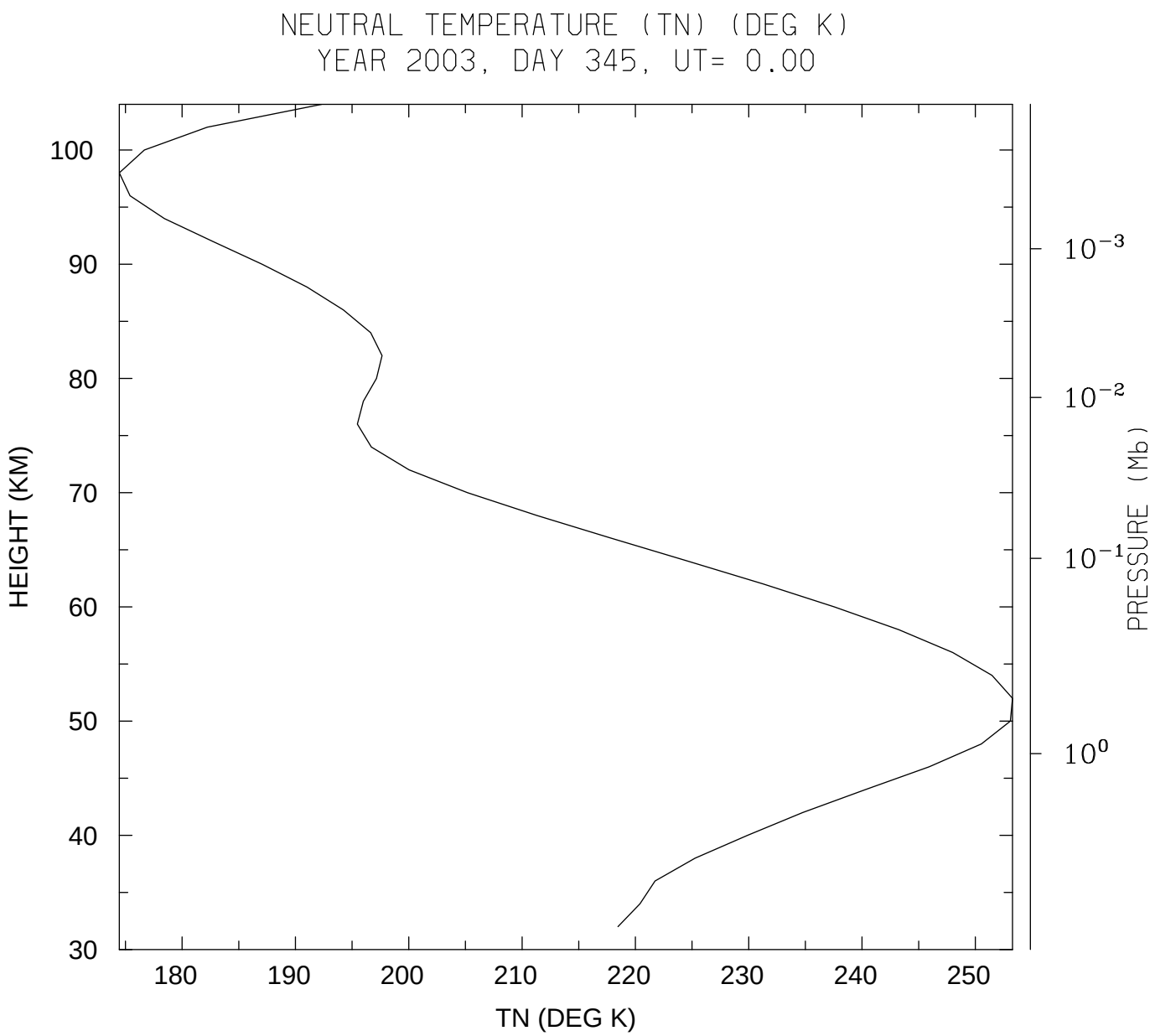
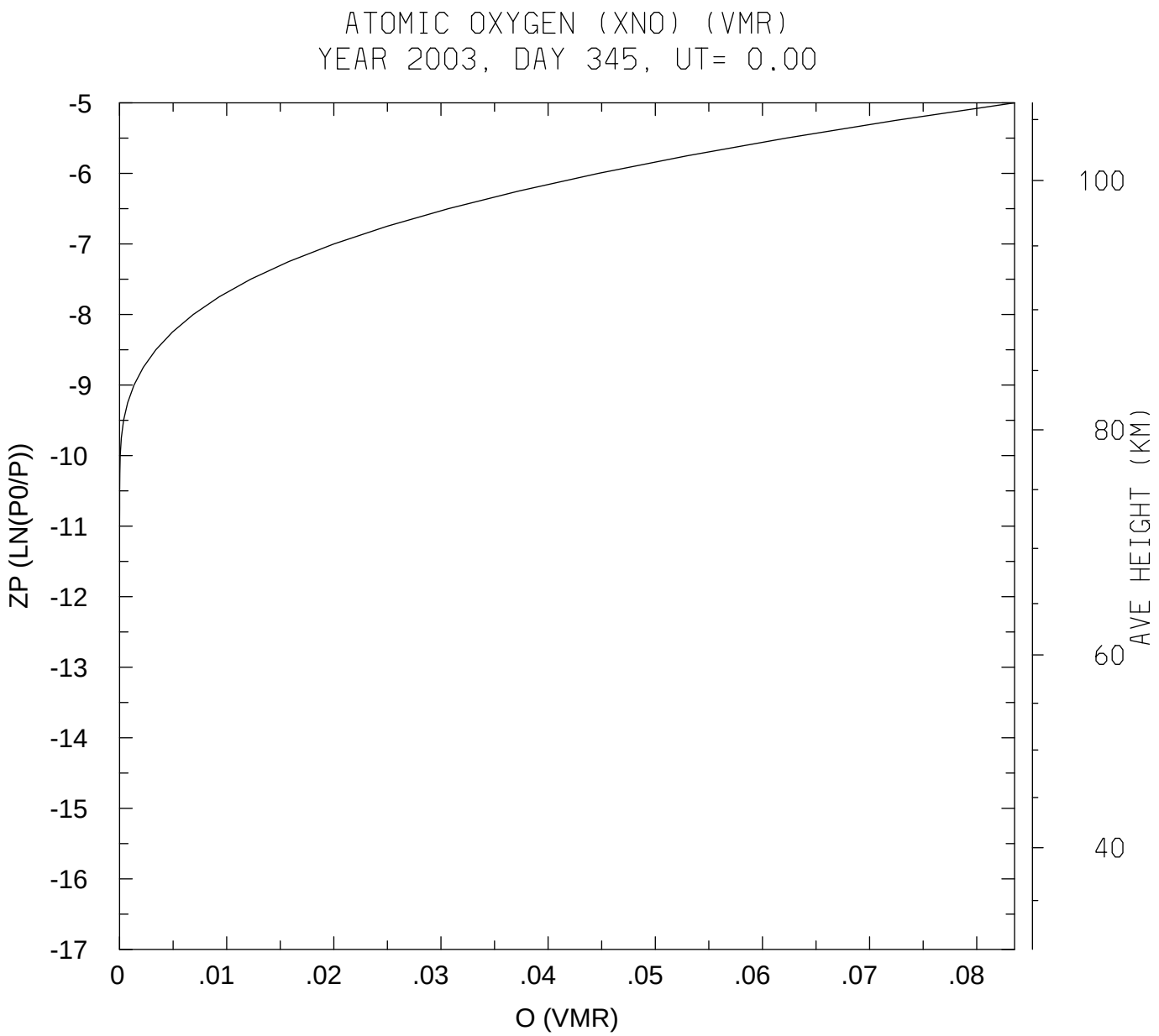


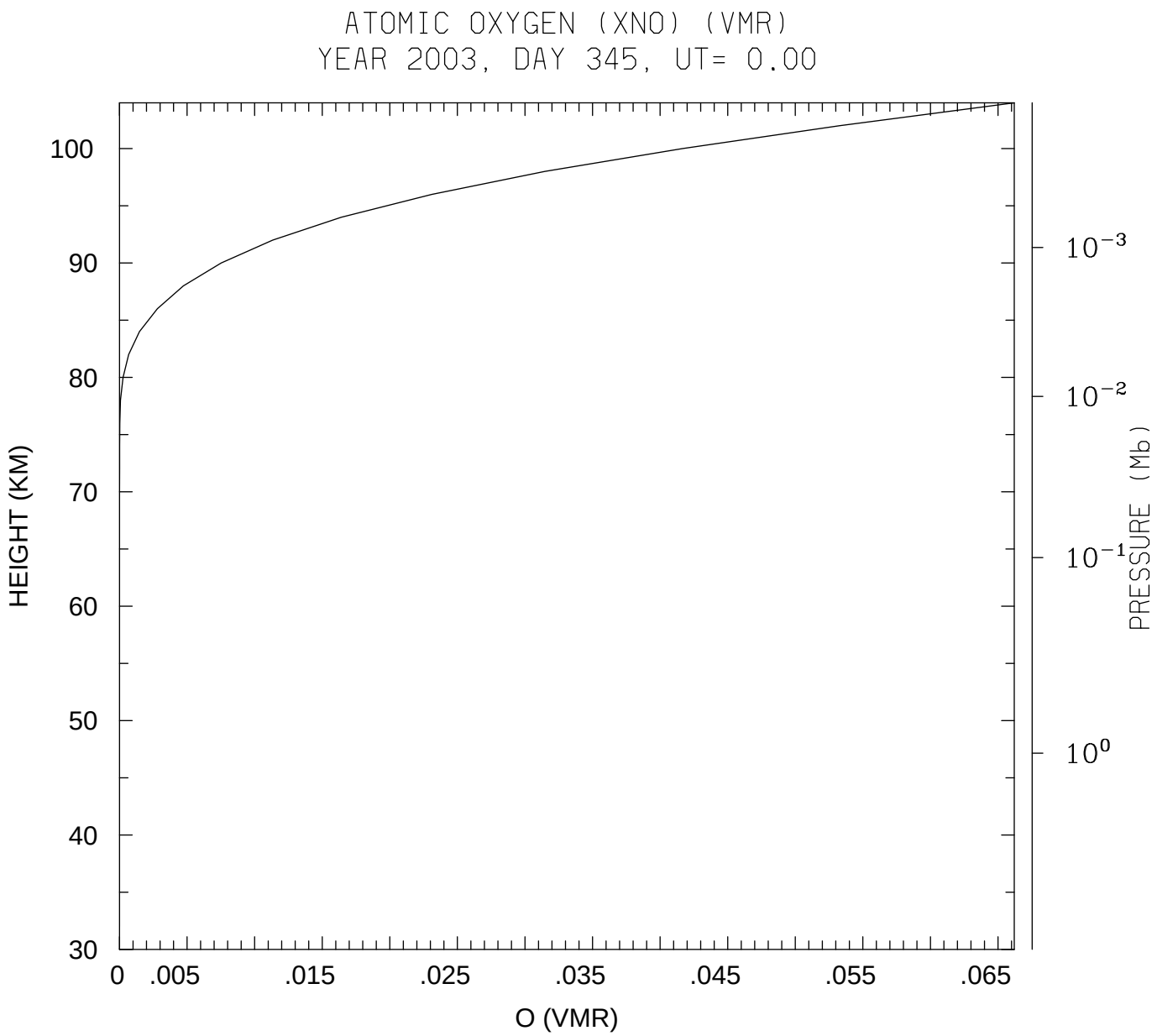
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1744E+03 0.2537E+03
F107D = 150.00



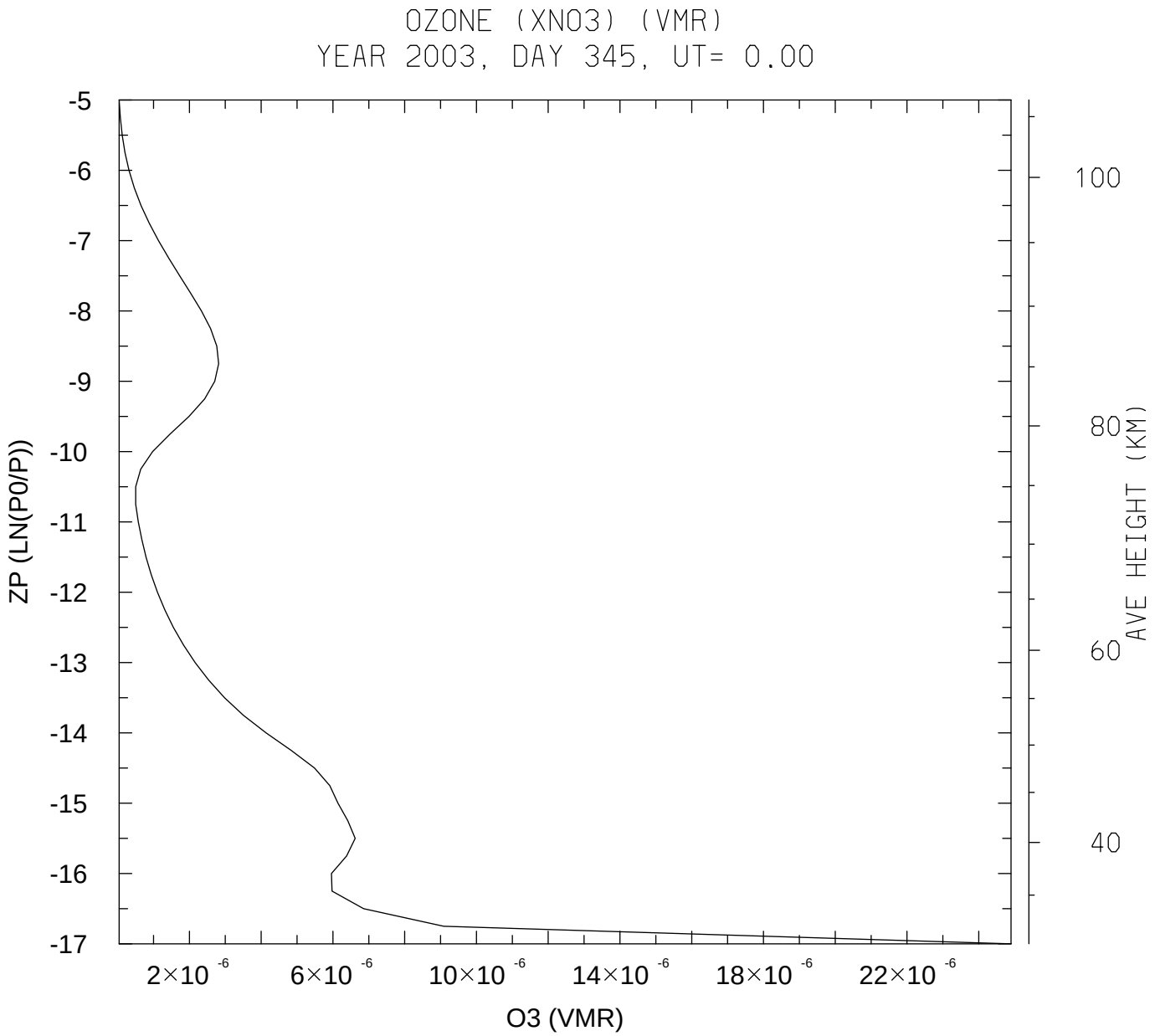
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1745E+03 0.2533E+03
F107D = 150.00



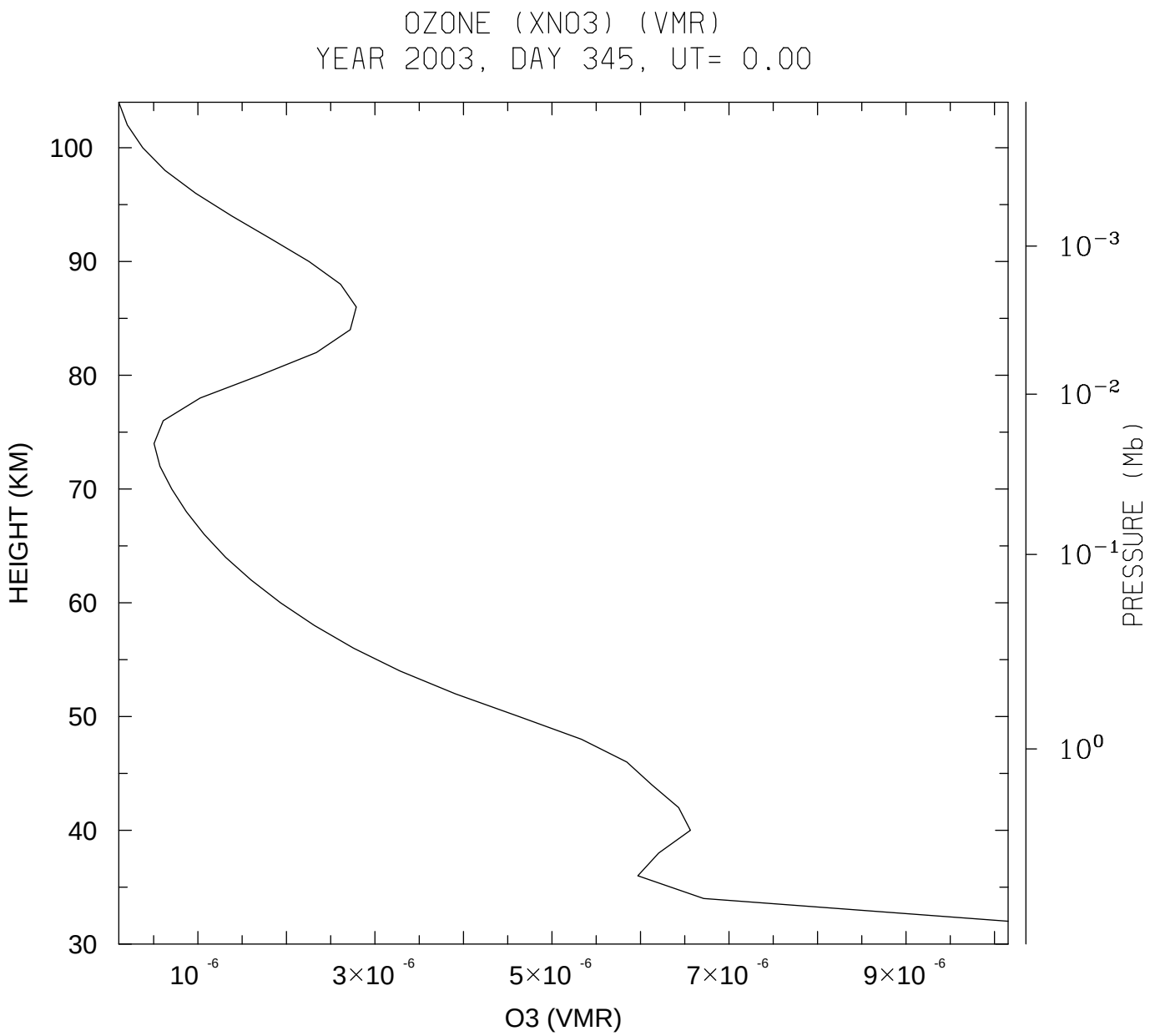
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.6394E-10 0.8353E-01
F107D = 150.00



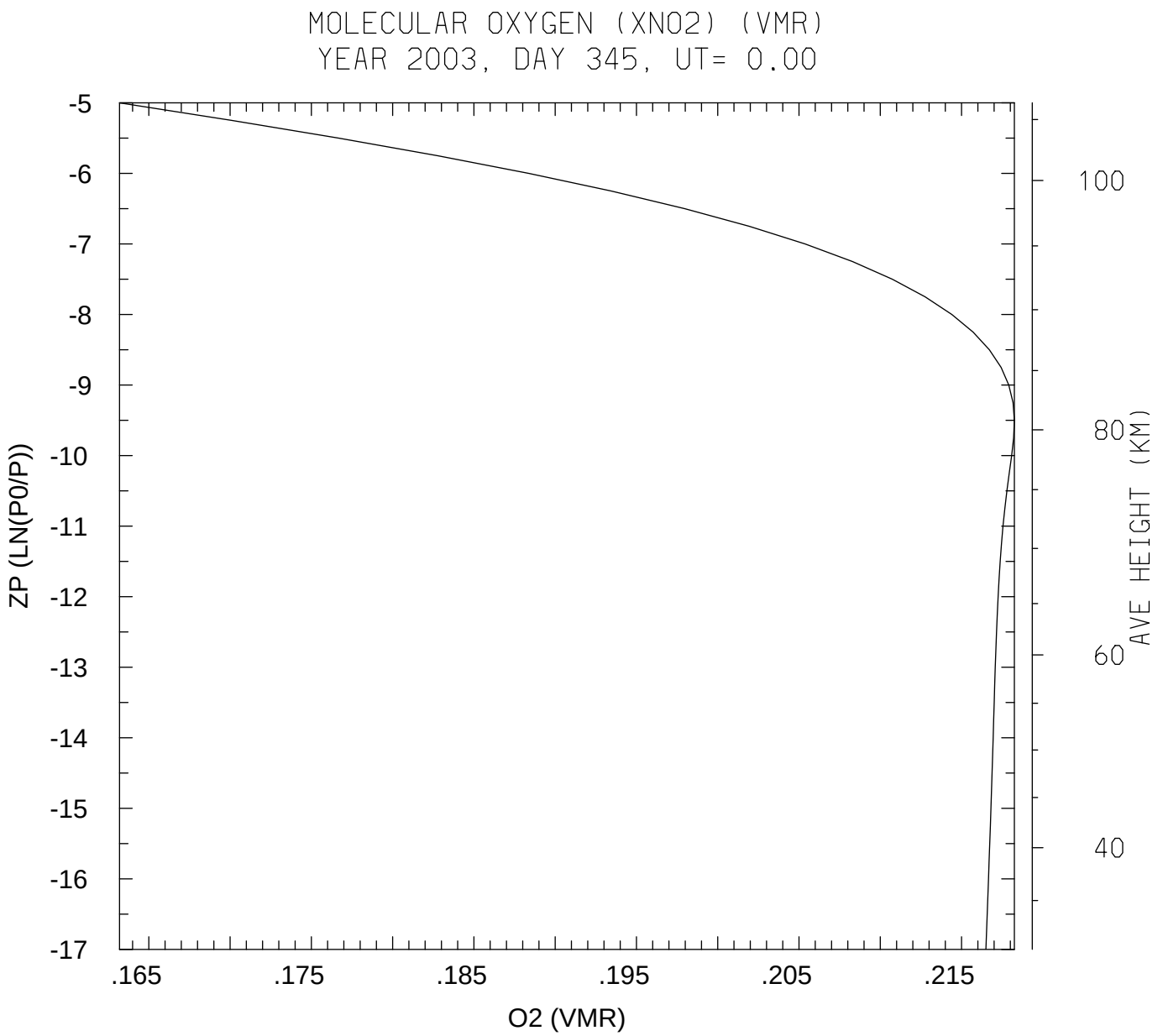
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.6521E-10 0.6620E-01
F107D = 150.00



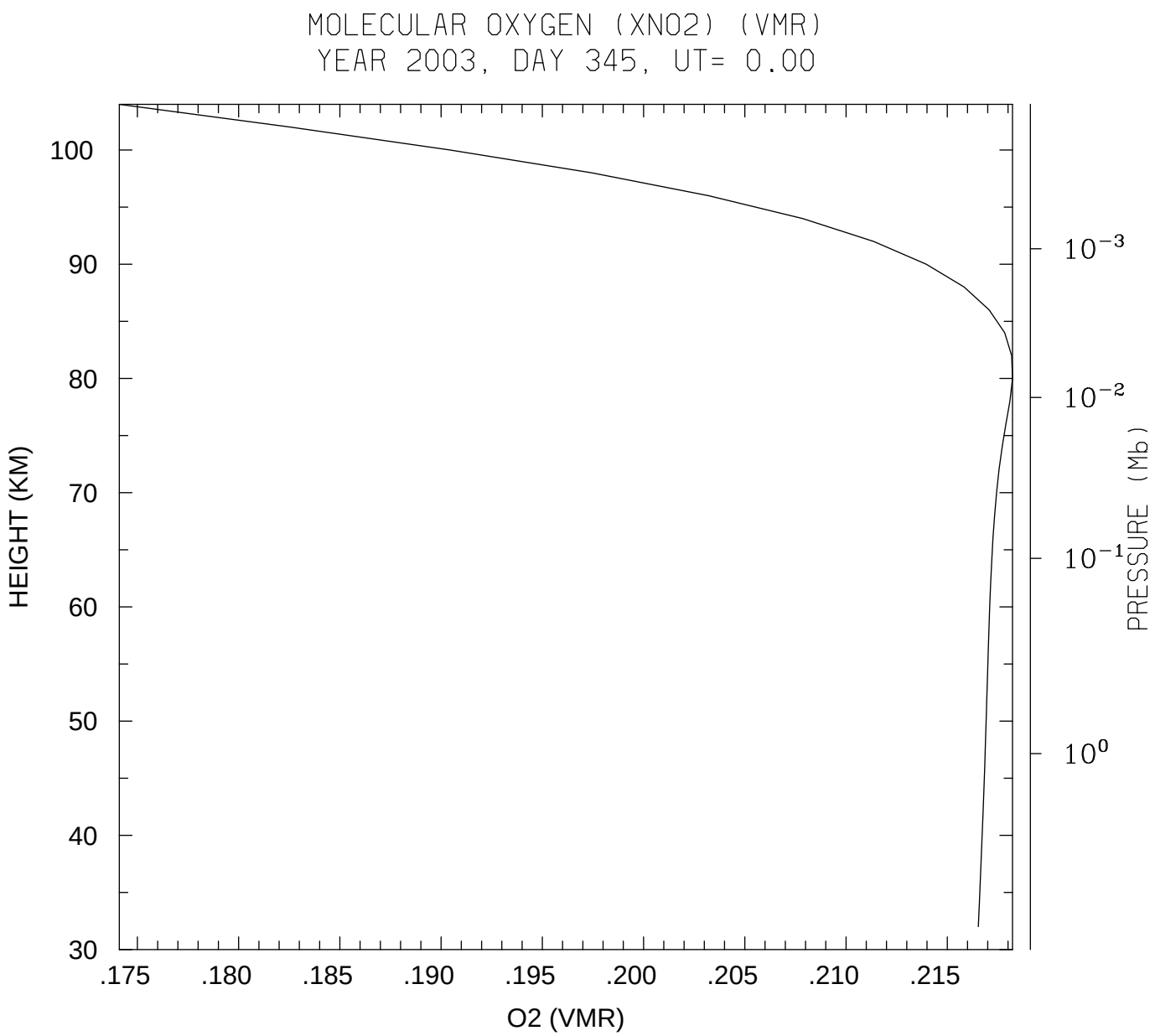
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.4092E-07 0.2490E-04
F107D = 150.00



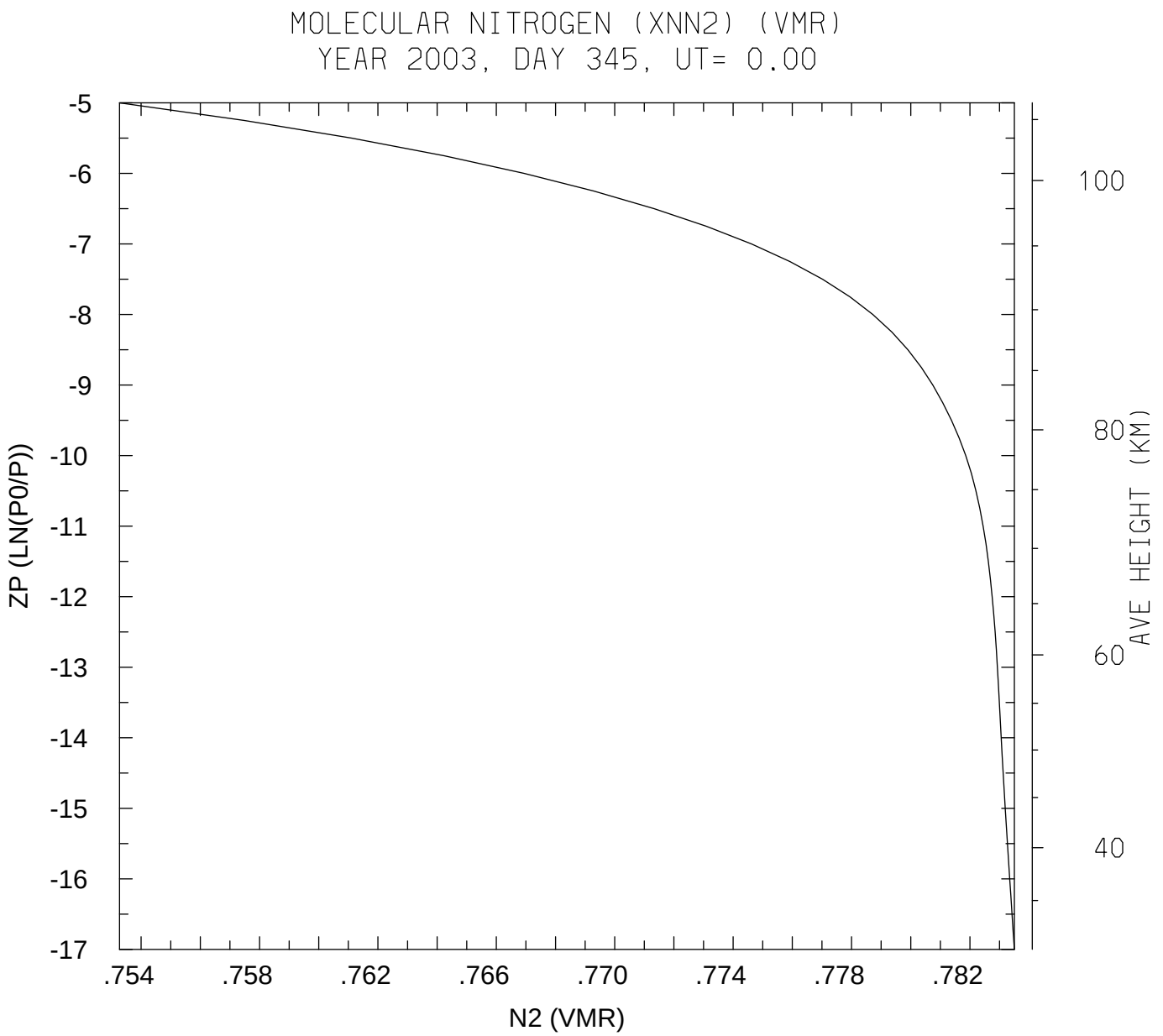
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1058E-06 0.1015E-04
F107D = 150.00



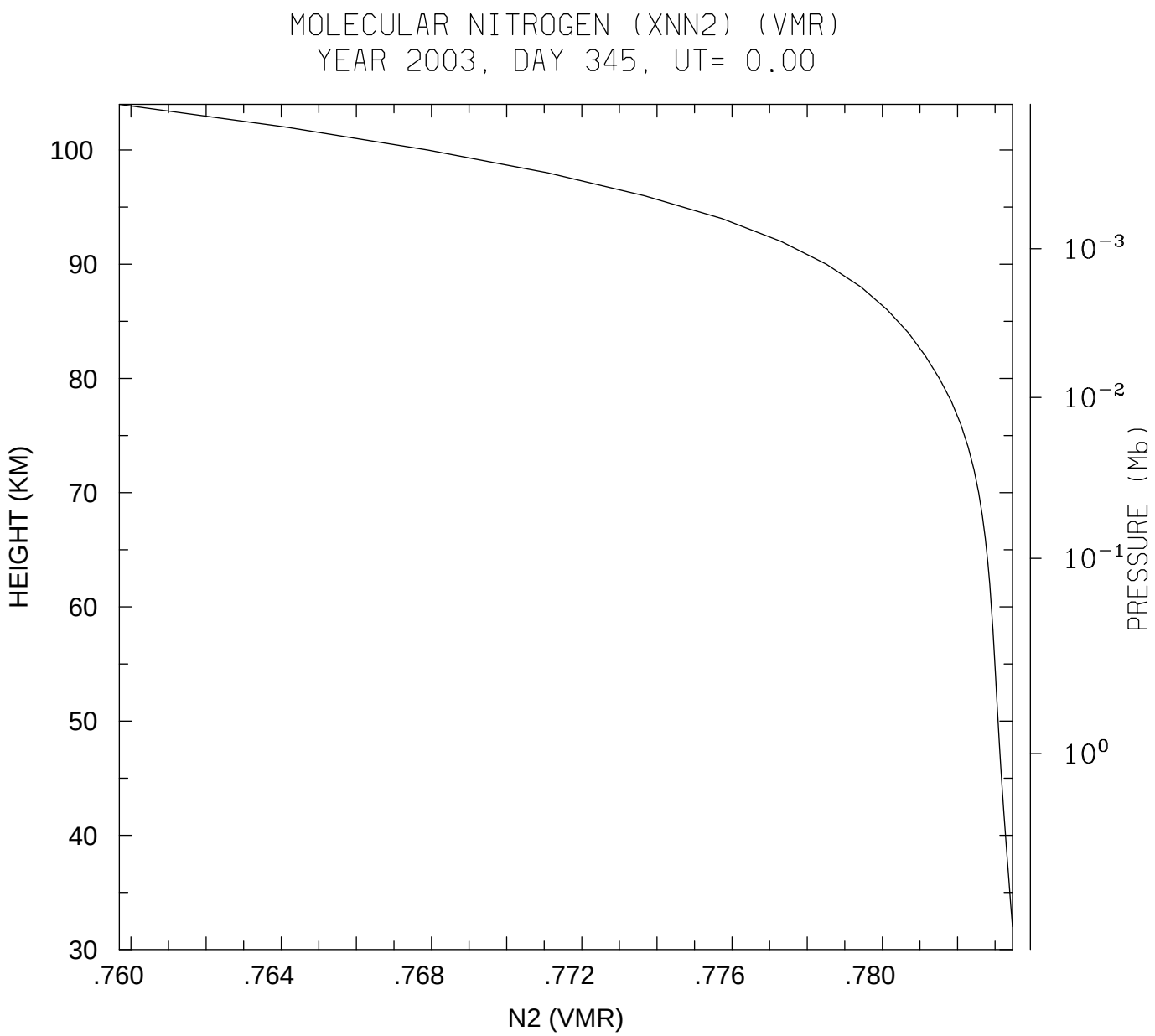
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1632E+00 0.2182E+00
F107D = 150.00



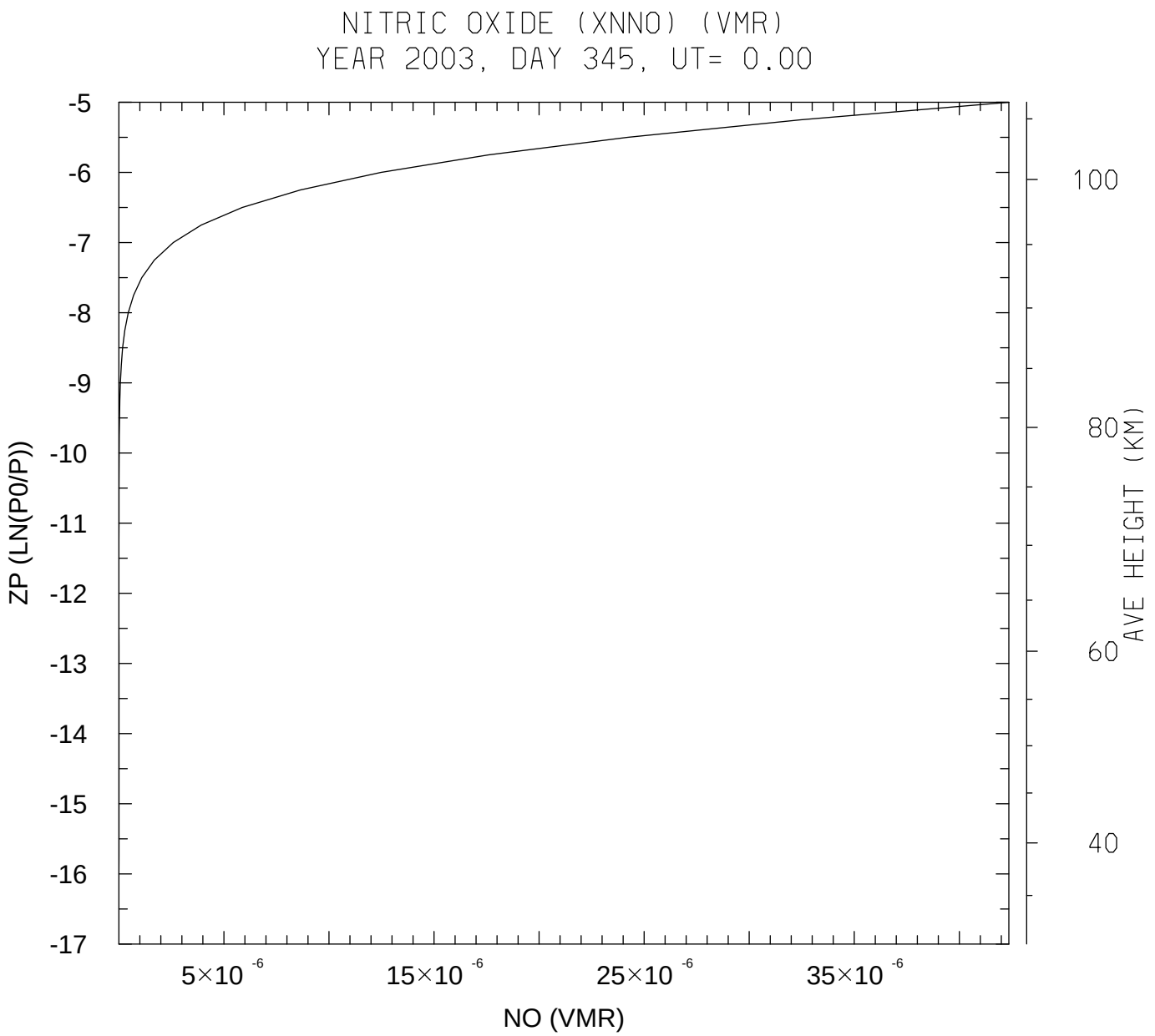
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1741E+00 0.2182E+00
F107D = 150.00



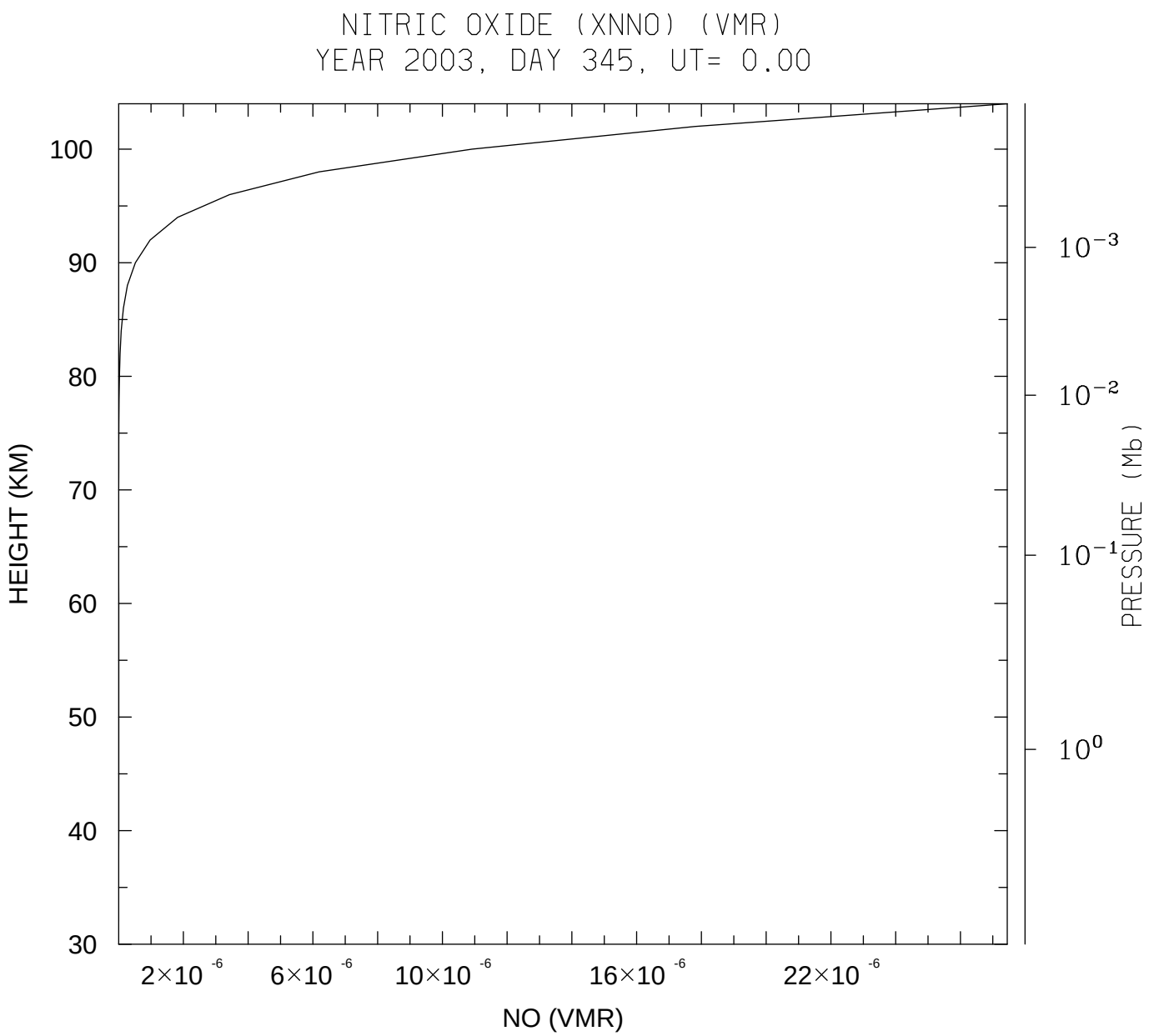
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.7533E+00 0.7835E+00
F107D = 150.00



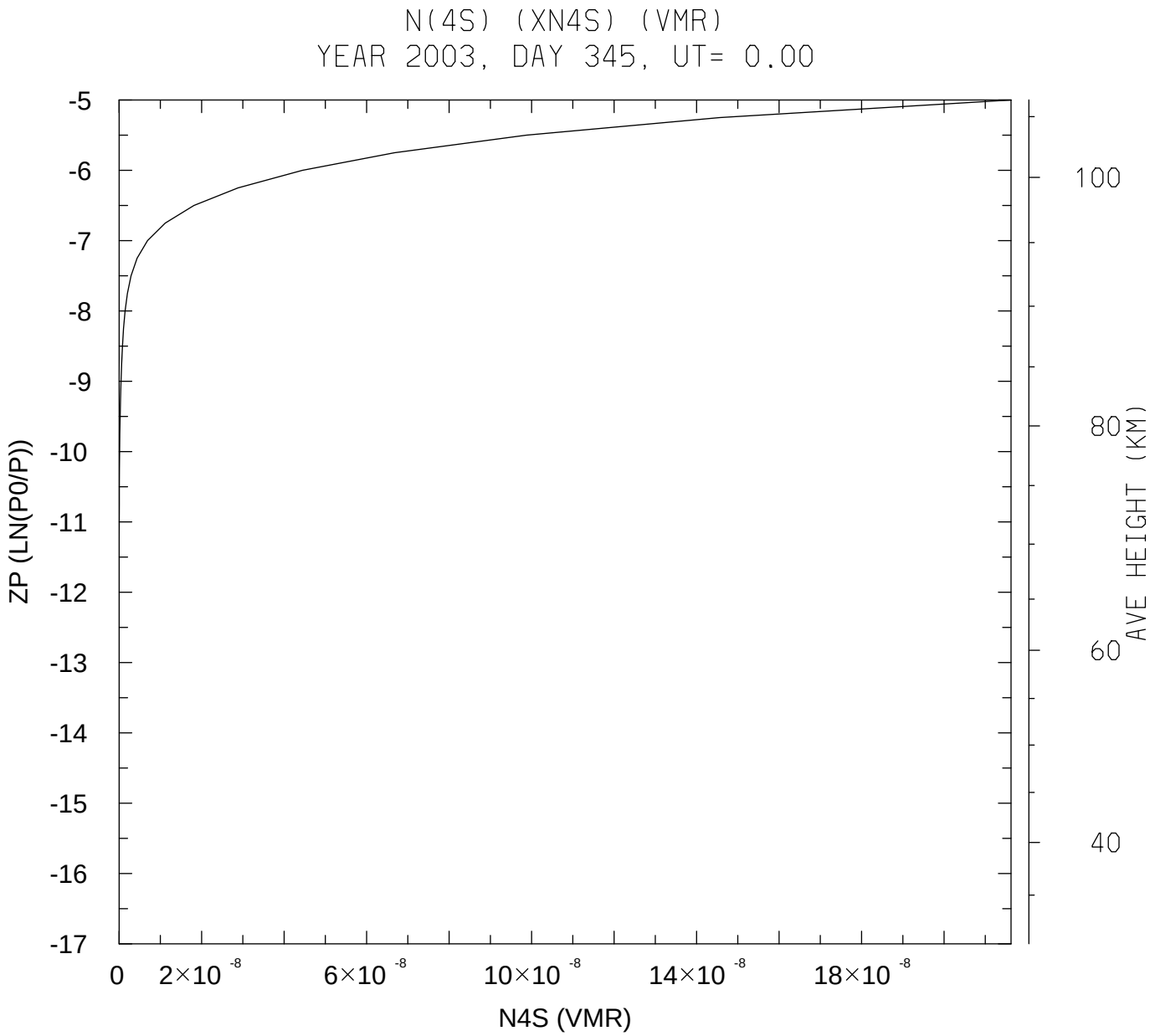
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.7597E+00 0.7835E+00
F107D = 150.00



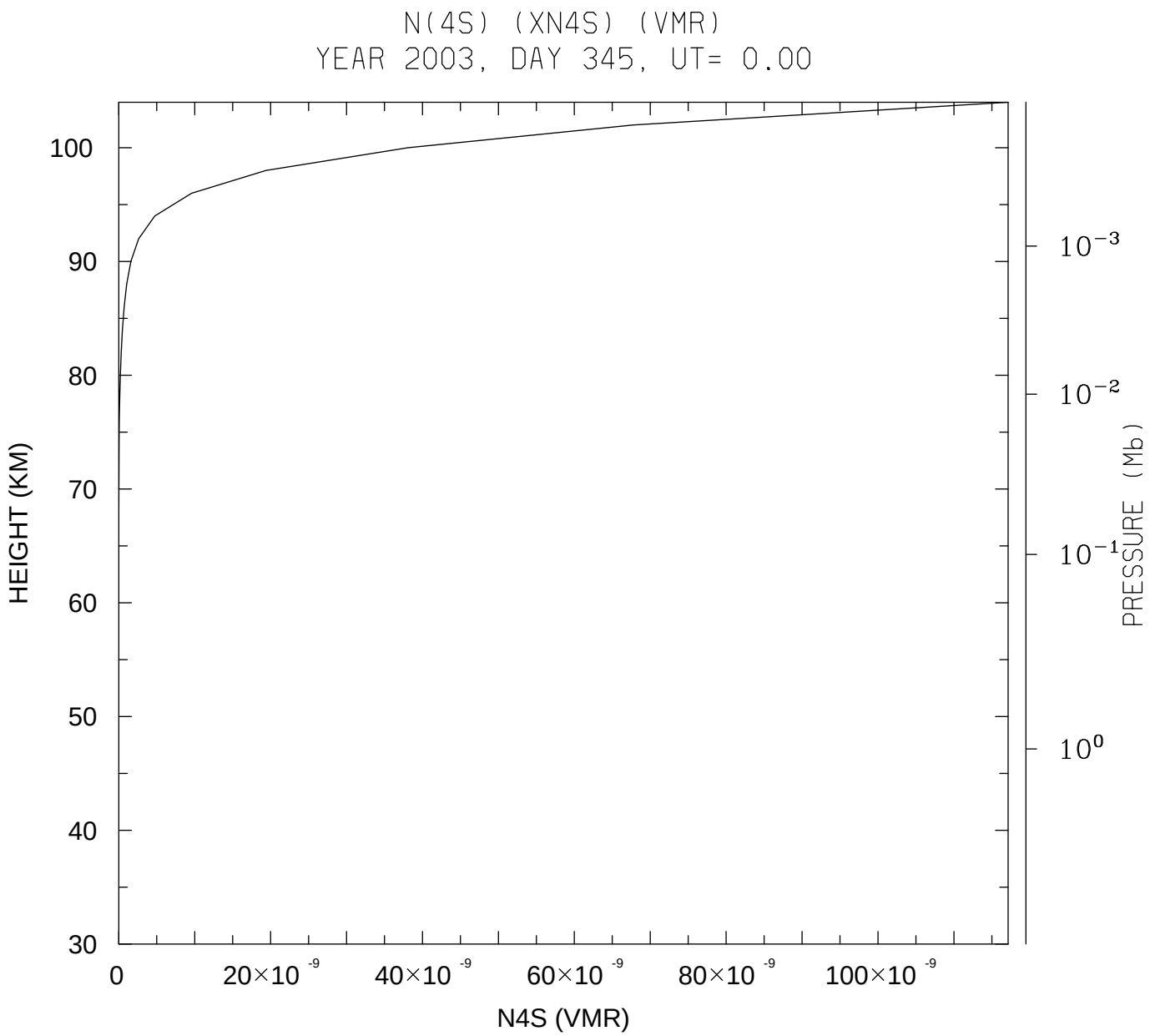
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.8536E-09 0.4236E-04
F107D = 150.00



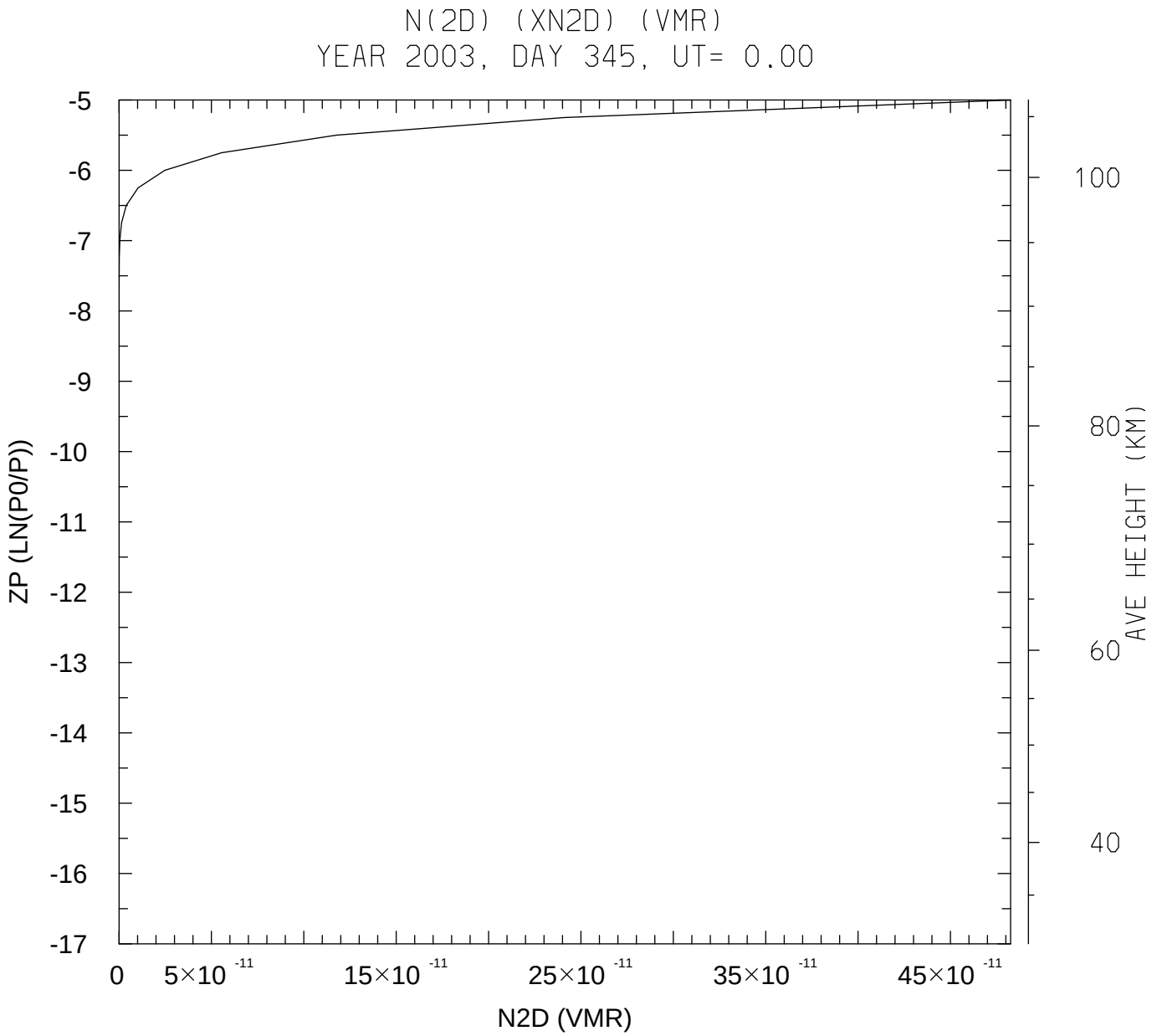
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1996E-08 0.2745E-04
F107D = 150.00



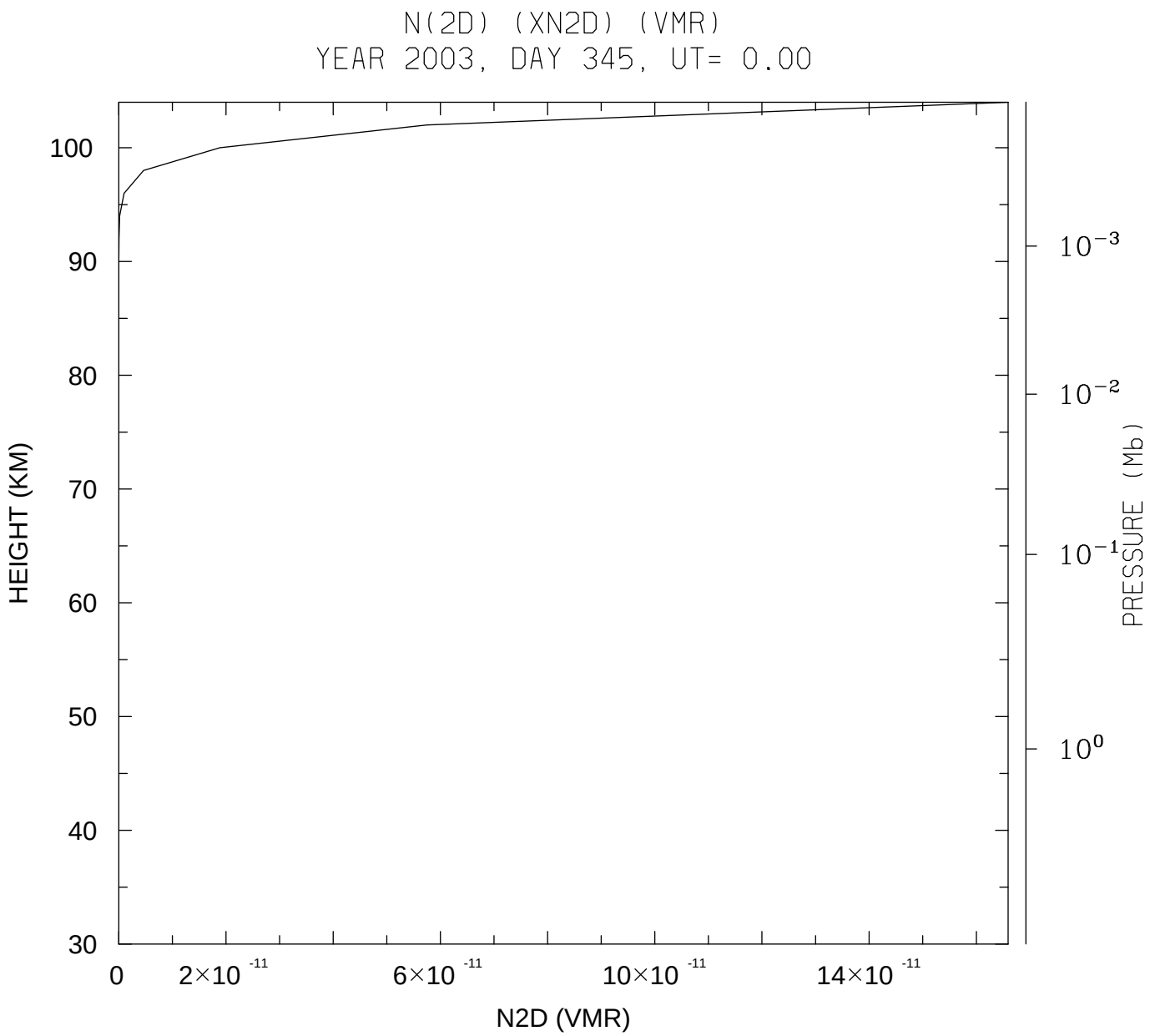
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5258E-16 0.2162E-06
F107D = 150.00



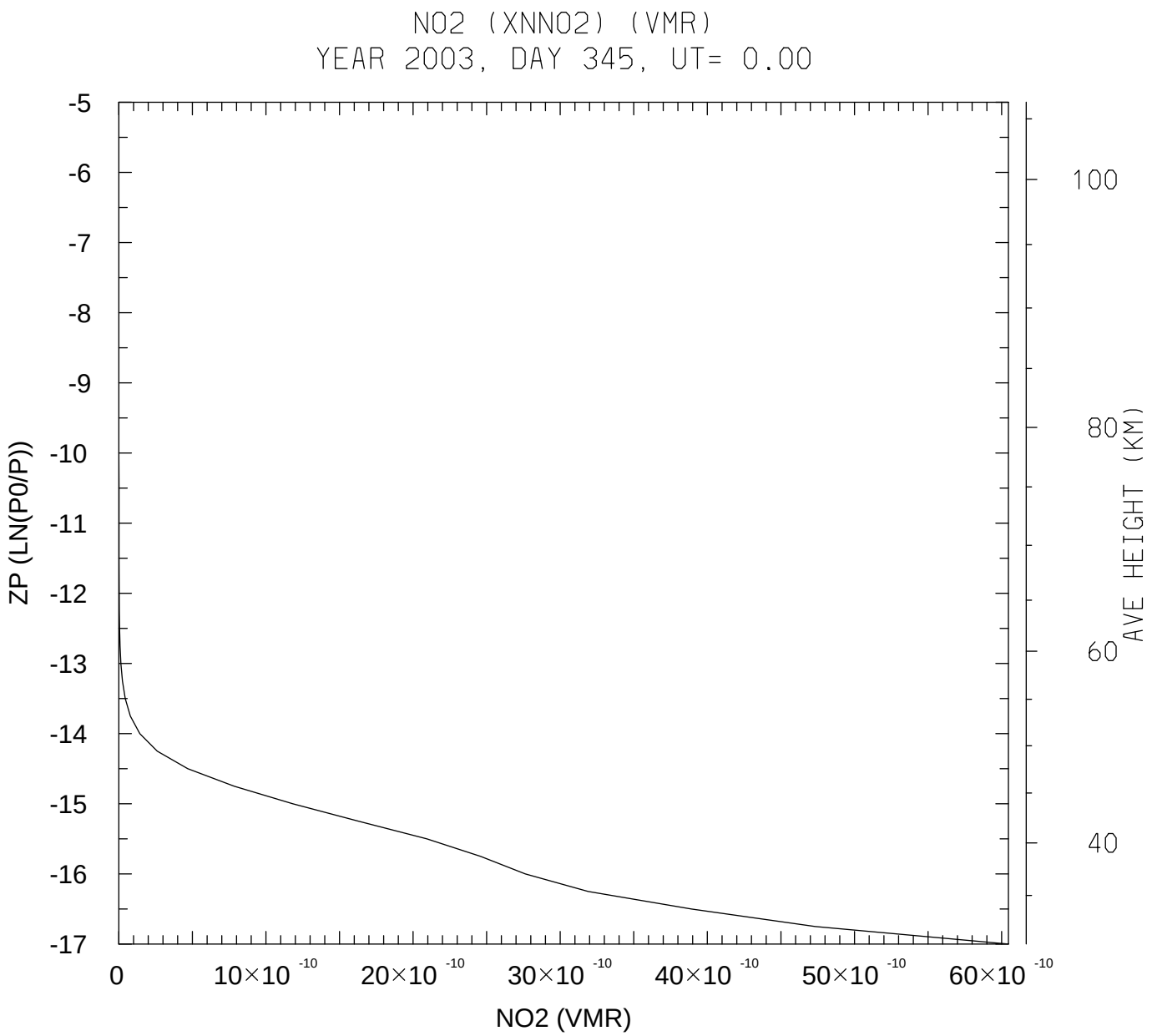
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1354E-15 0.1171E-06
F107D = 150.00



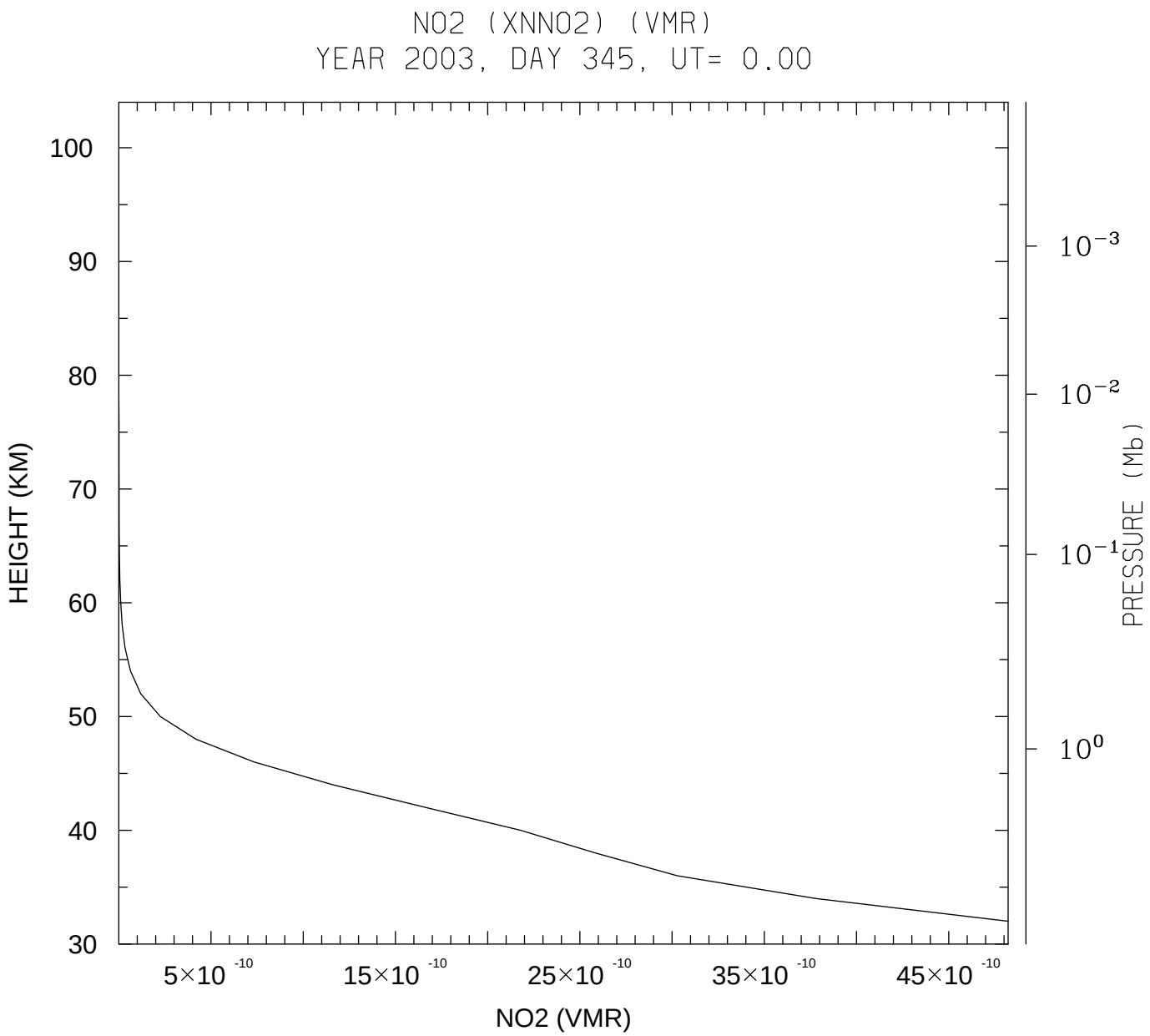
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.9287E-23 0.4826E-09
F107D = 150.00



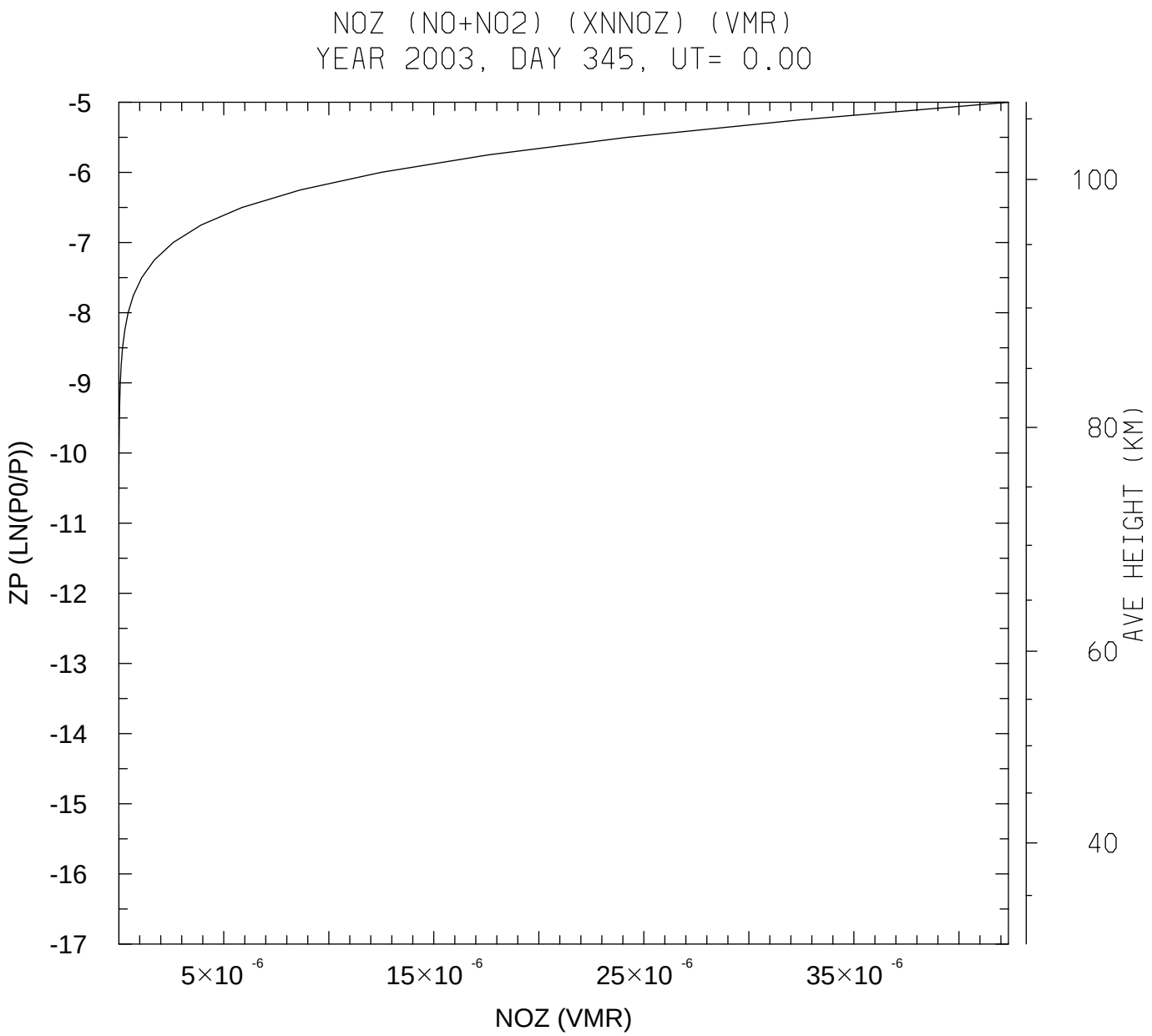
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1135E-22 0.1659E-09
F107D = 150.00



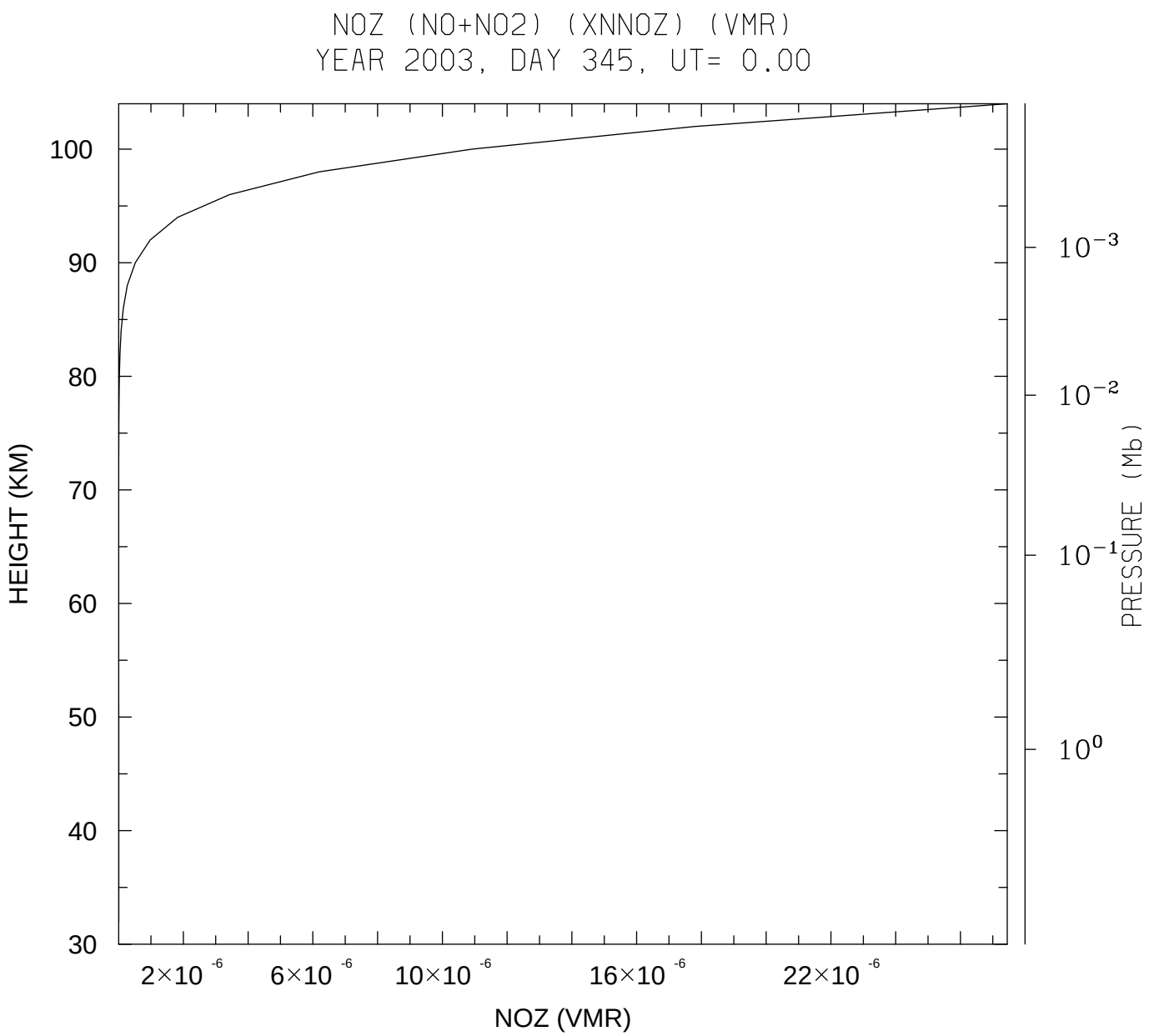
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5960E-14 0.6046E-08
F107D = 150.00



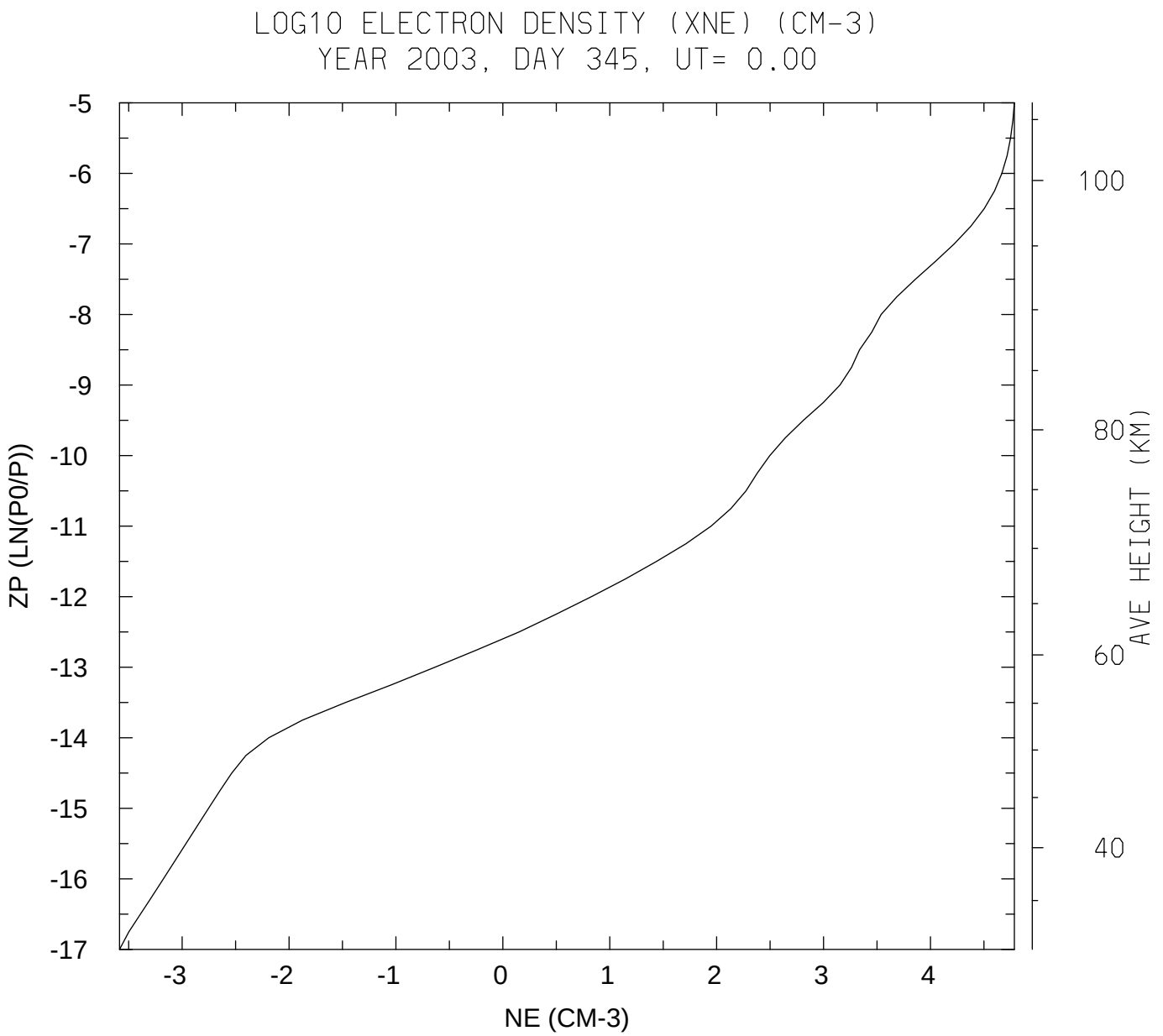
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.6553E-14 0.4822E-08
F107D = 150.00



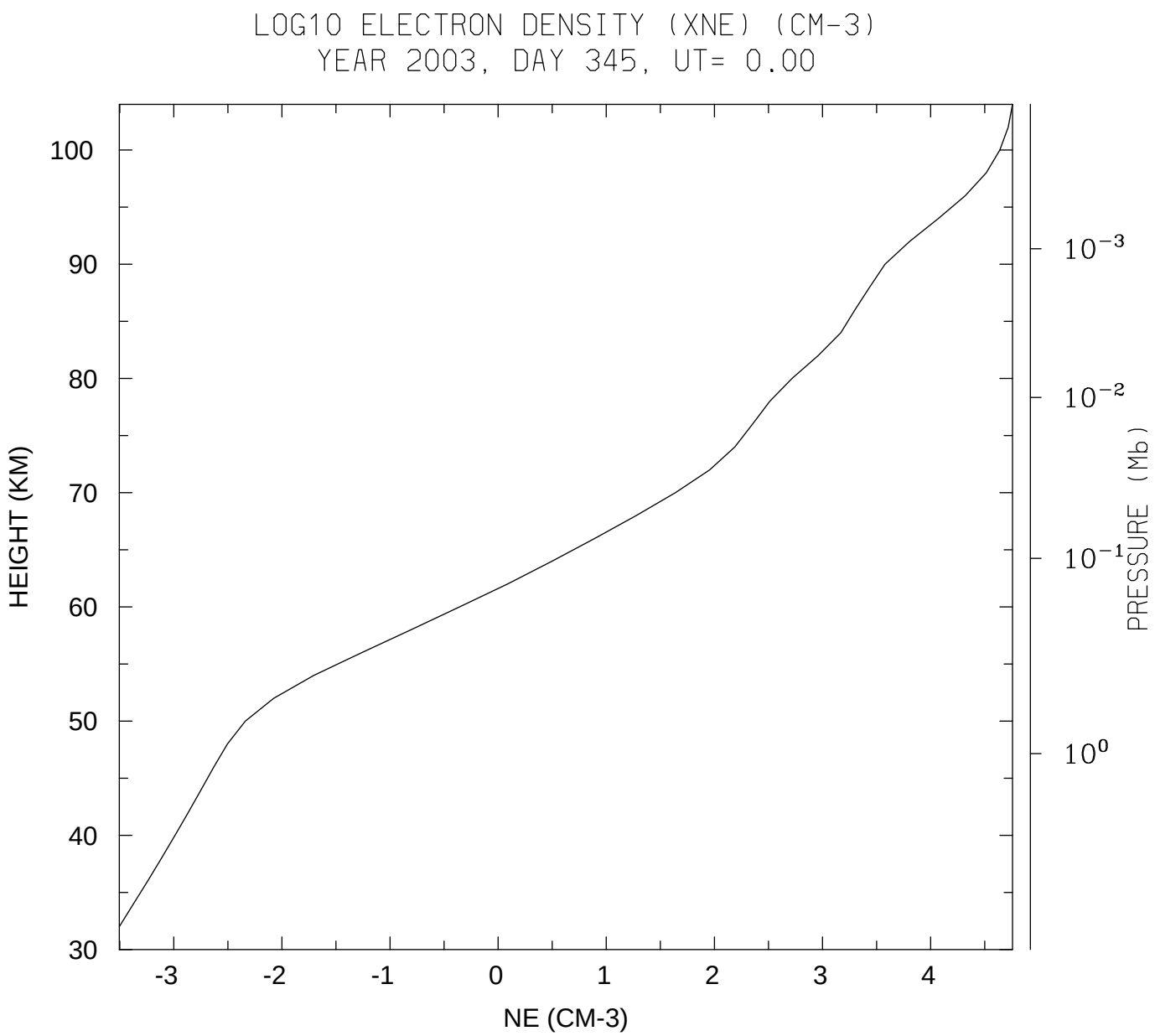
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.3281E-08 0.4236E-04
F107D = 150.00



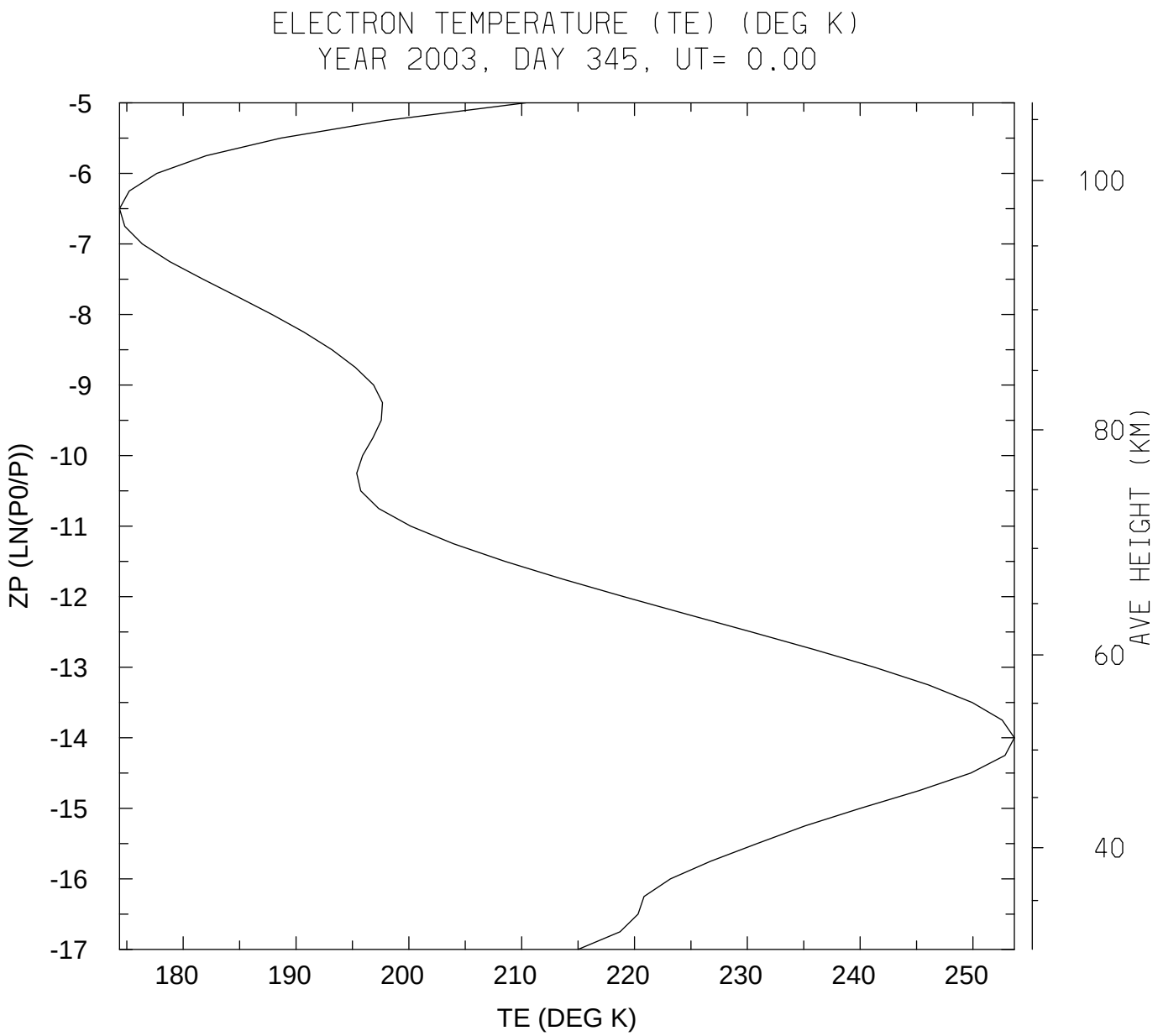
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.3320E-08 0.2745E-04
F107D = 150.00



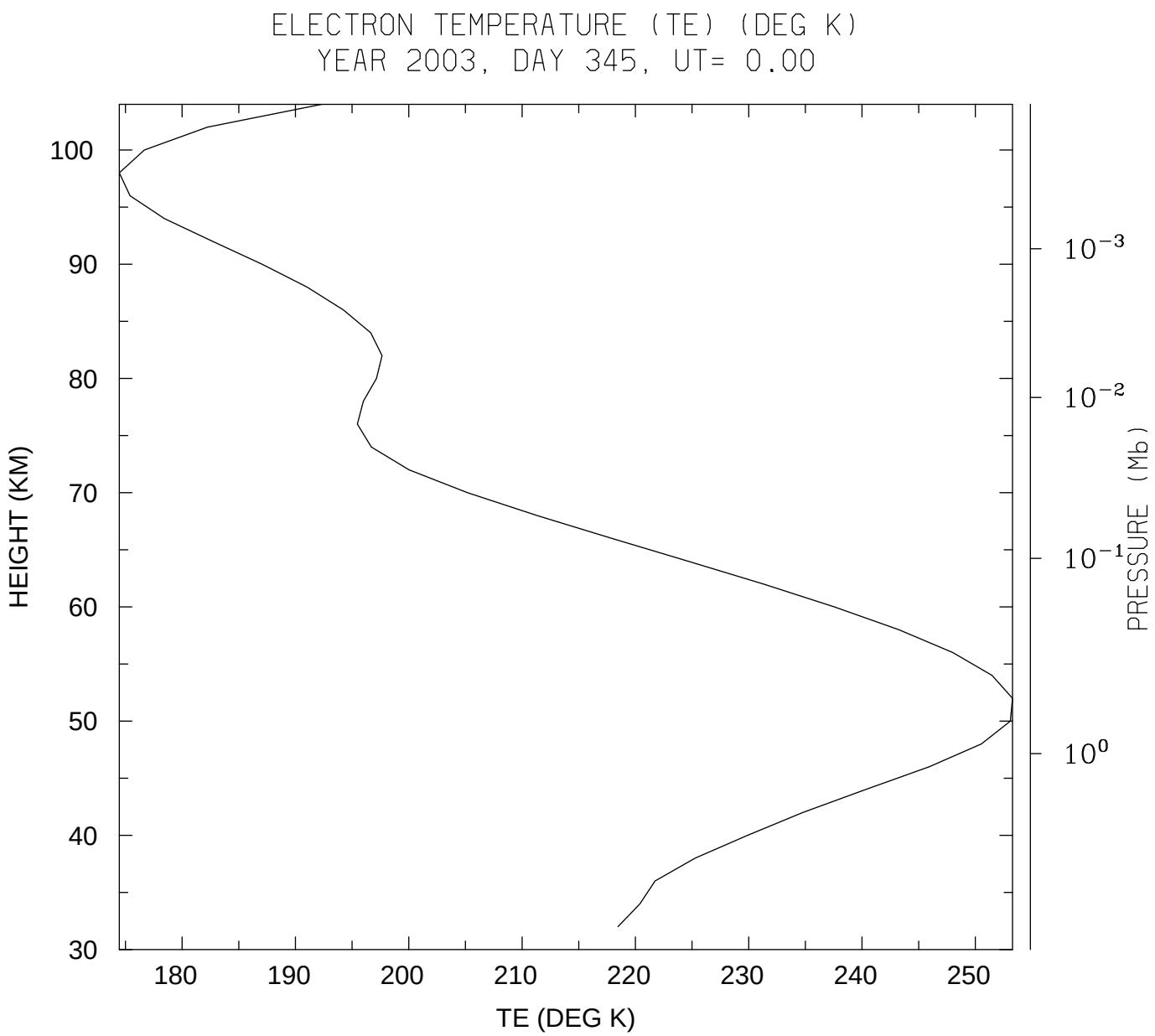
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.3586E+01 0.4785E+01
F107D = 150.00



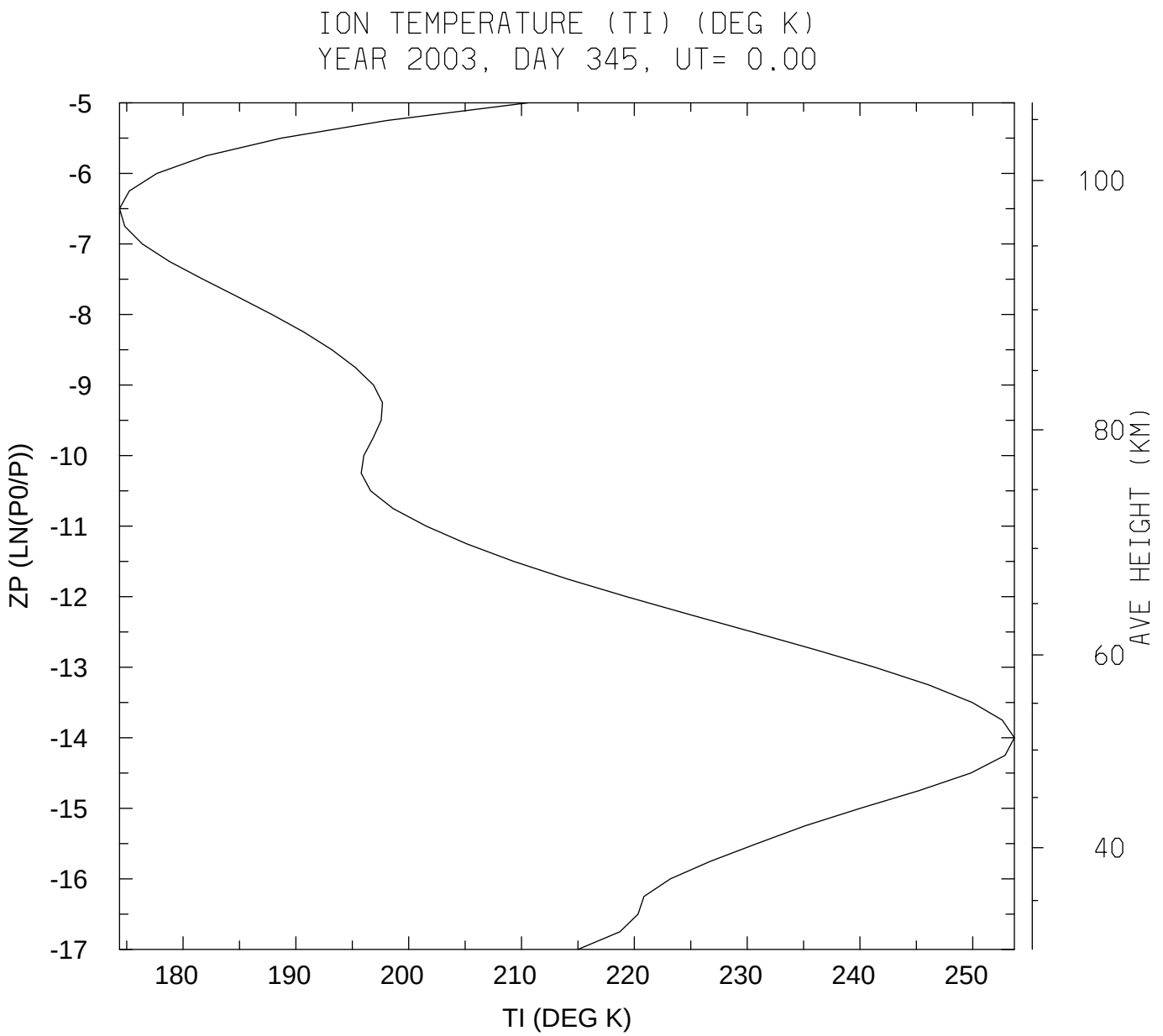
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.3504E+01 0.4757E+01
F107D = 150.00



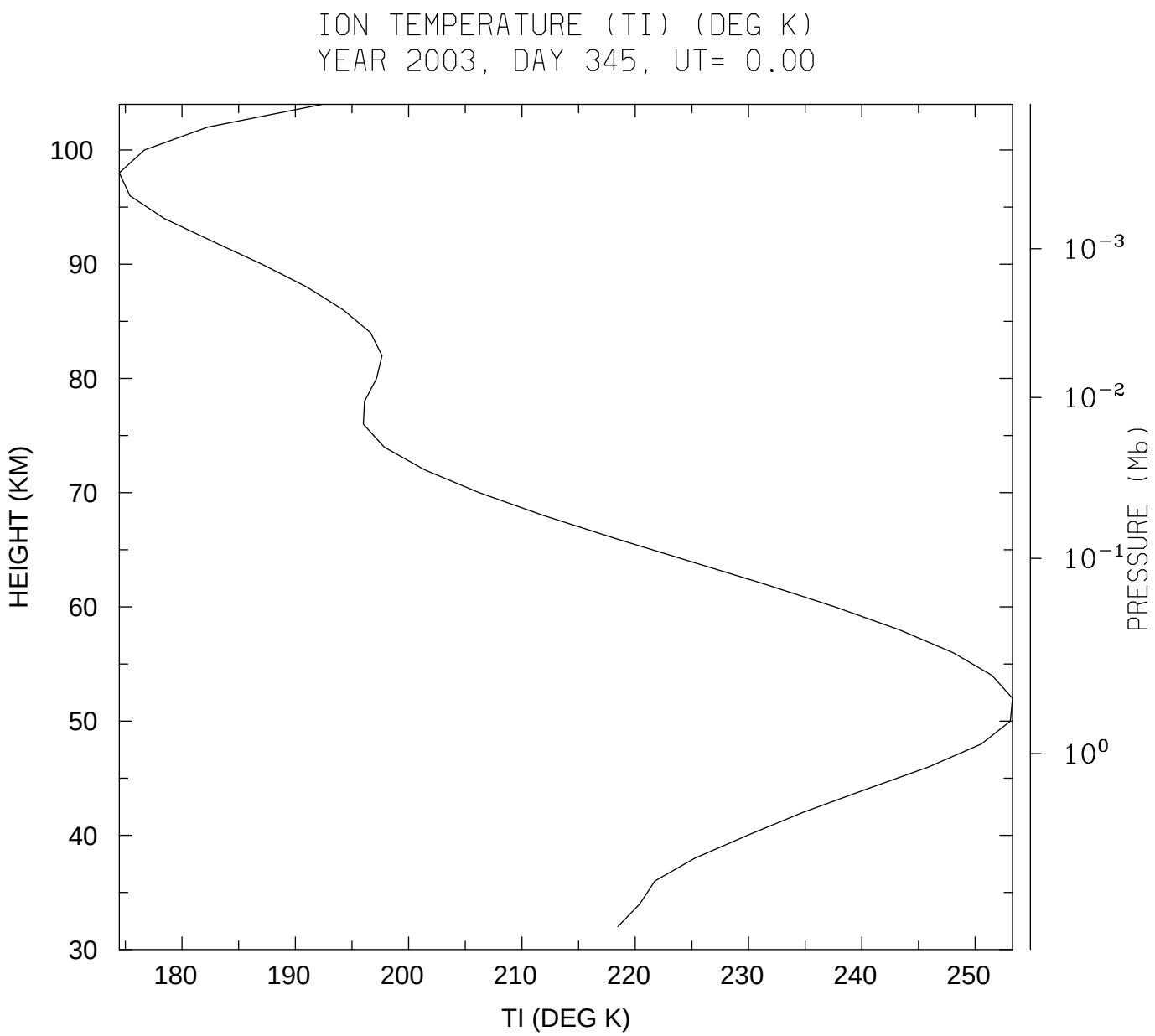
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1744E+03 0.2537E+03
F107D = 150.00



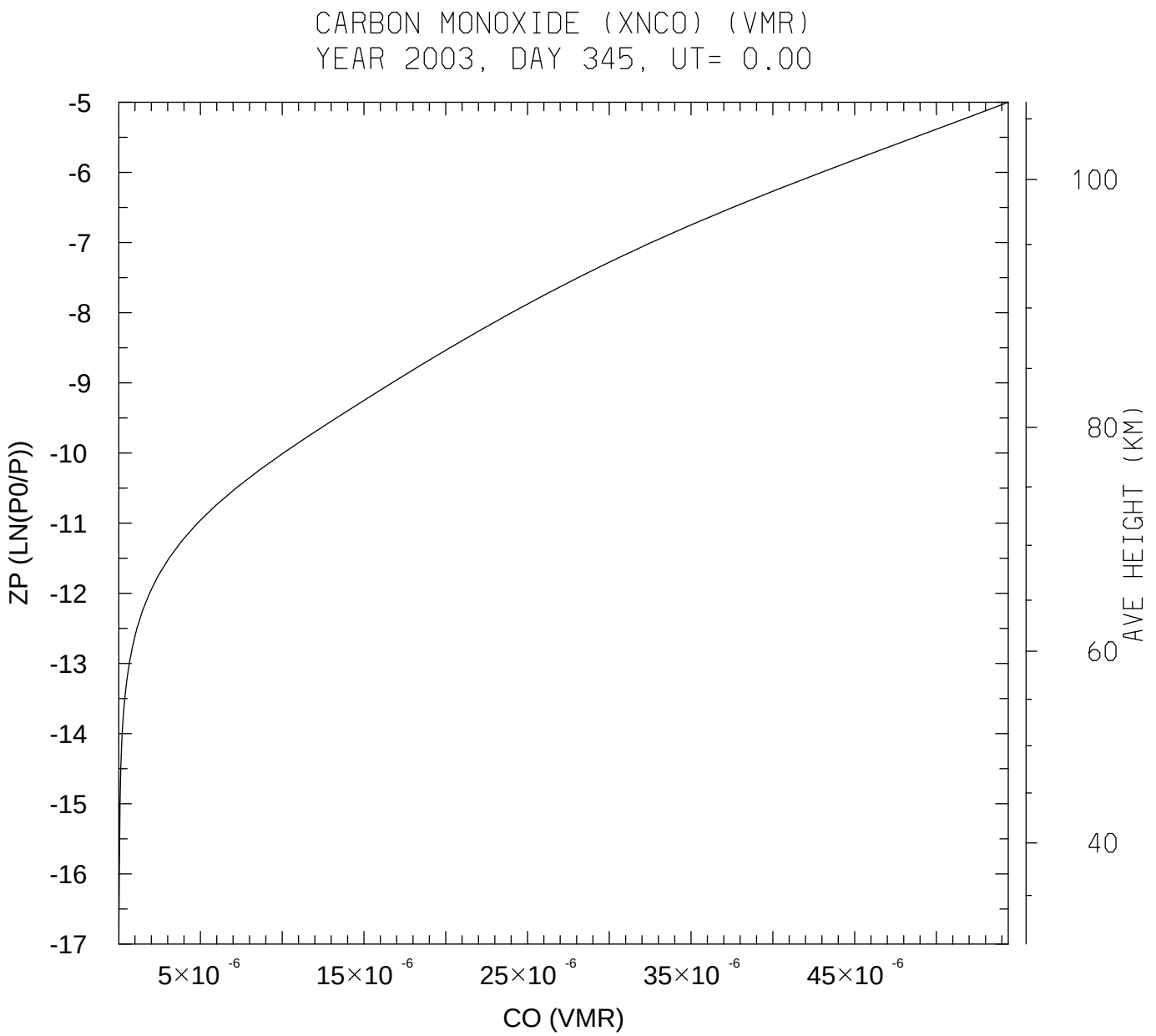
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1745E+03 0.2533E+03
F107D = 150.00



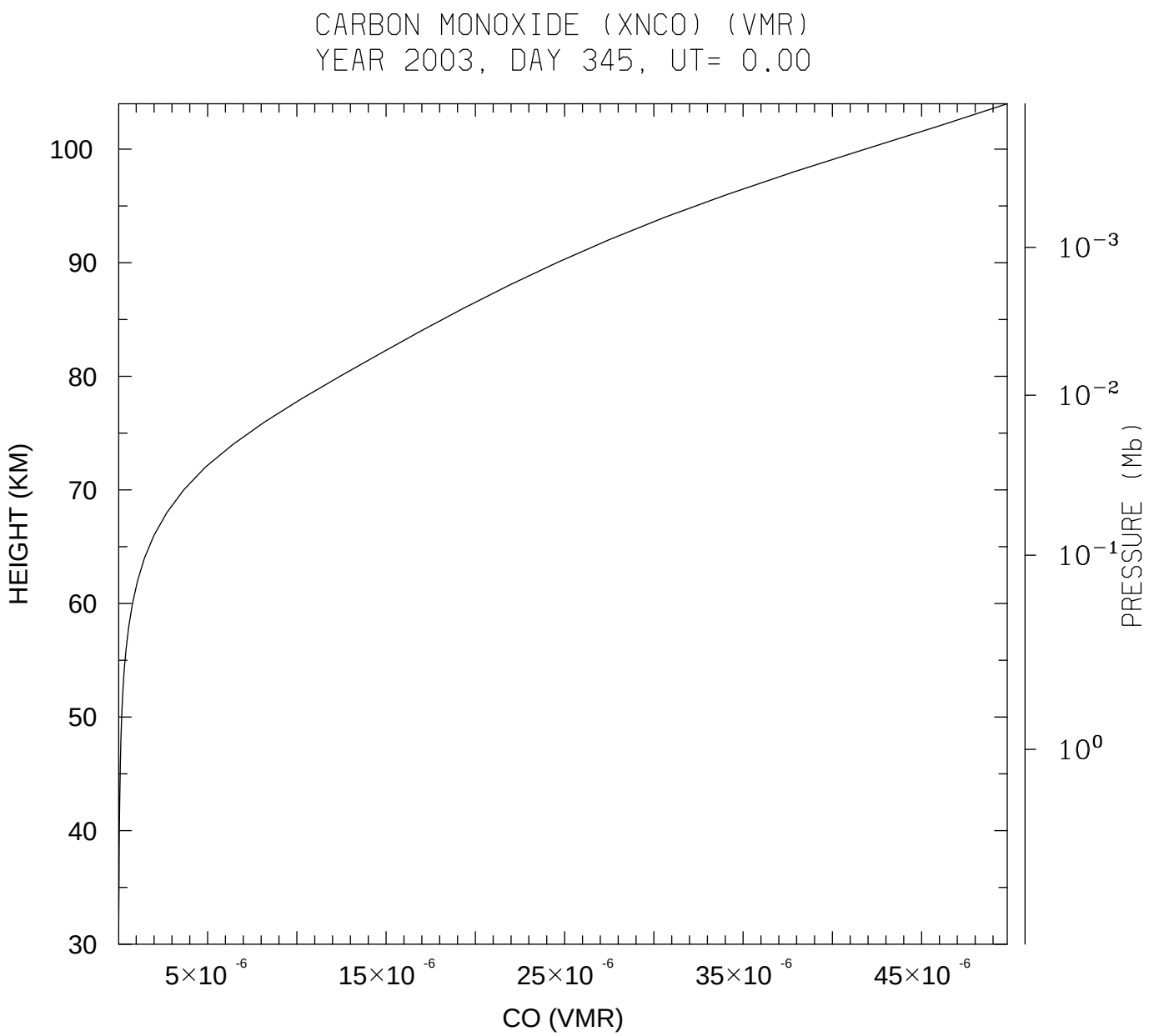
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1744E+03 0.2537E+03
F107D = 150.00



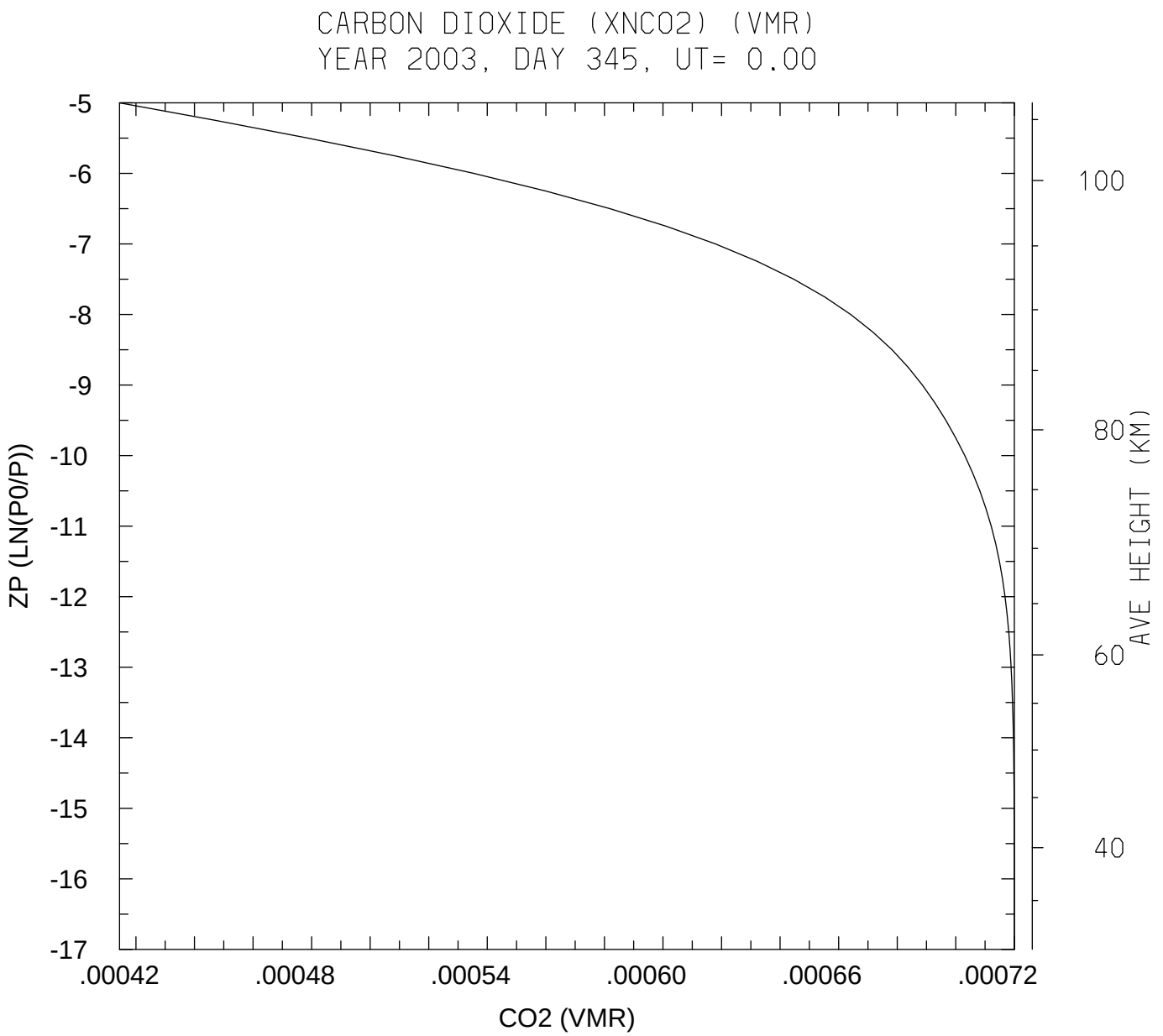
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1745E+03 0.2533E+03
F107D = 150.00



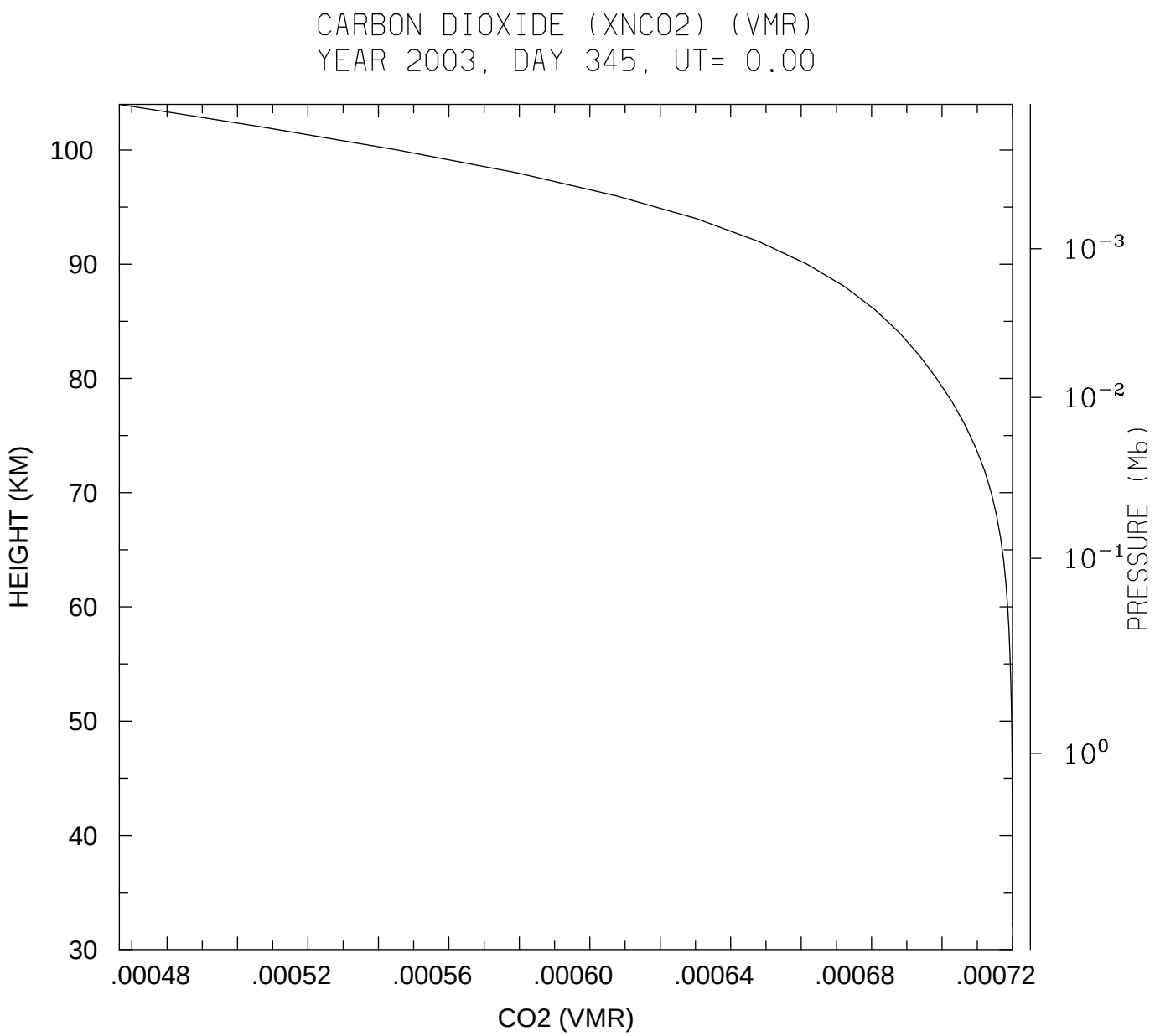
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1100E-07 0.5439E-04
F107D = 150.00



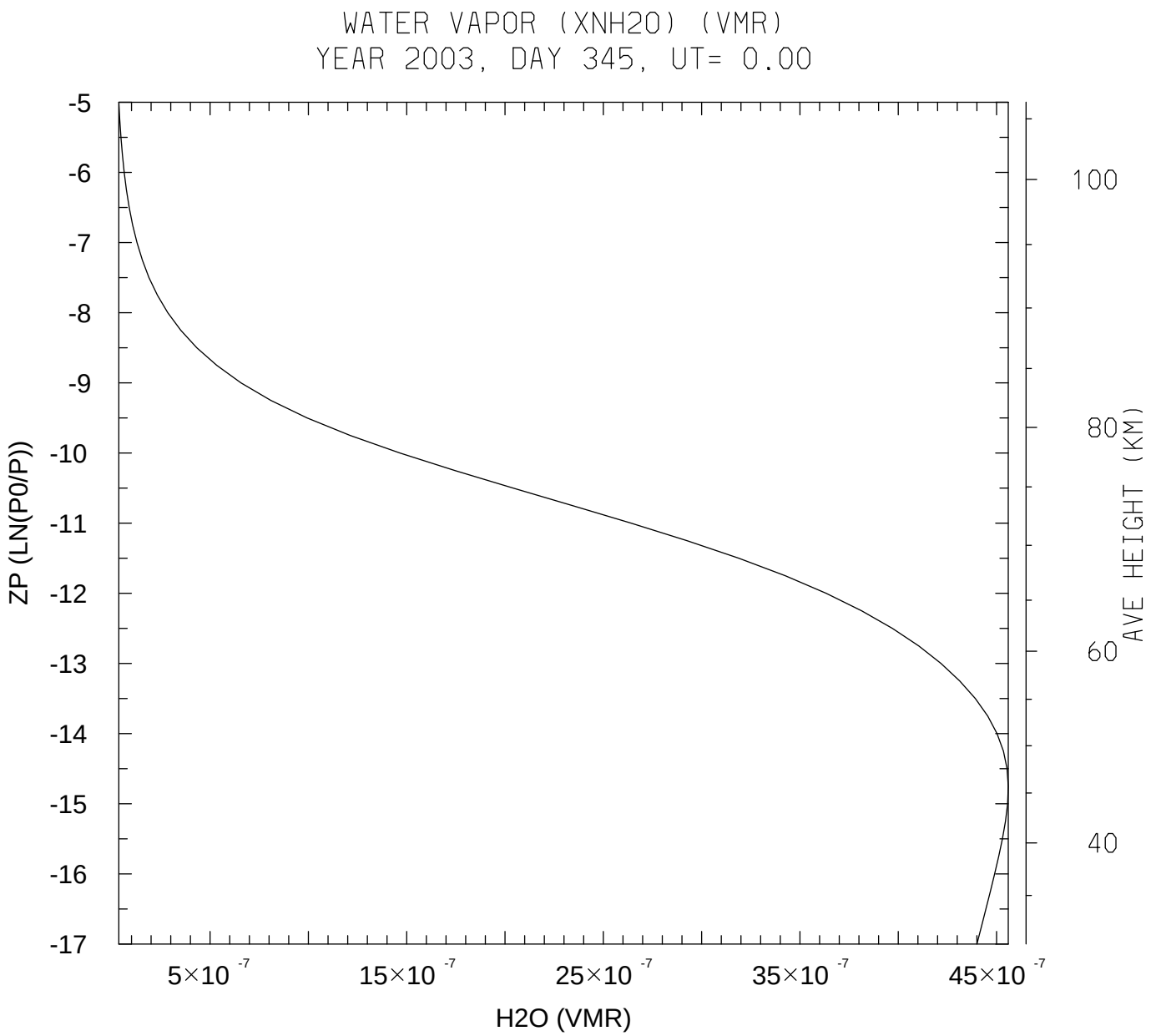
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1751E-07 0.4980E-04
F107D = 150.00



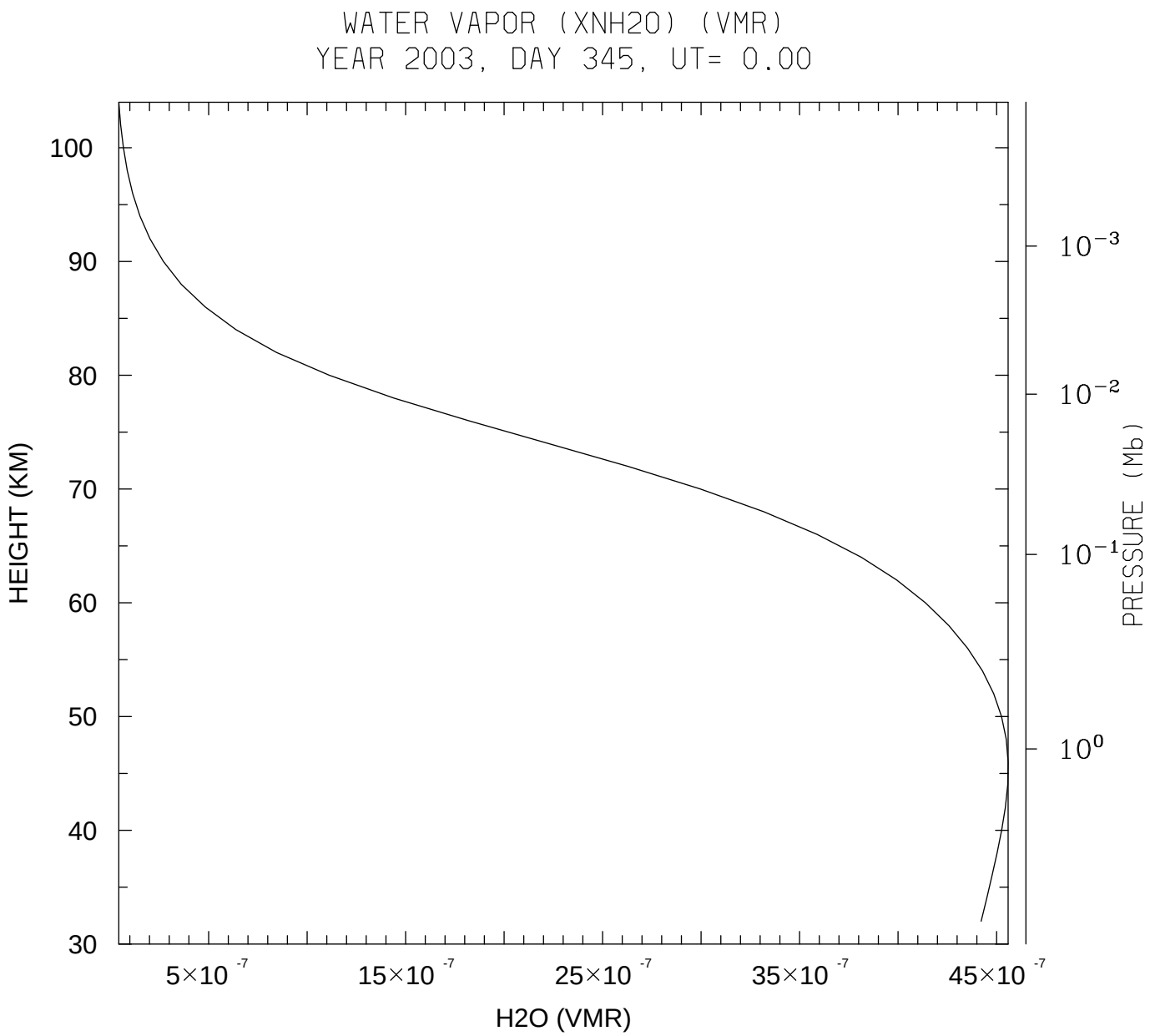
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.4144E-03 0.7200E-03
F107D = 150.00



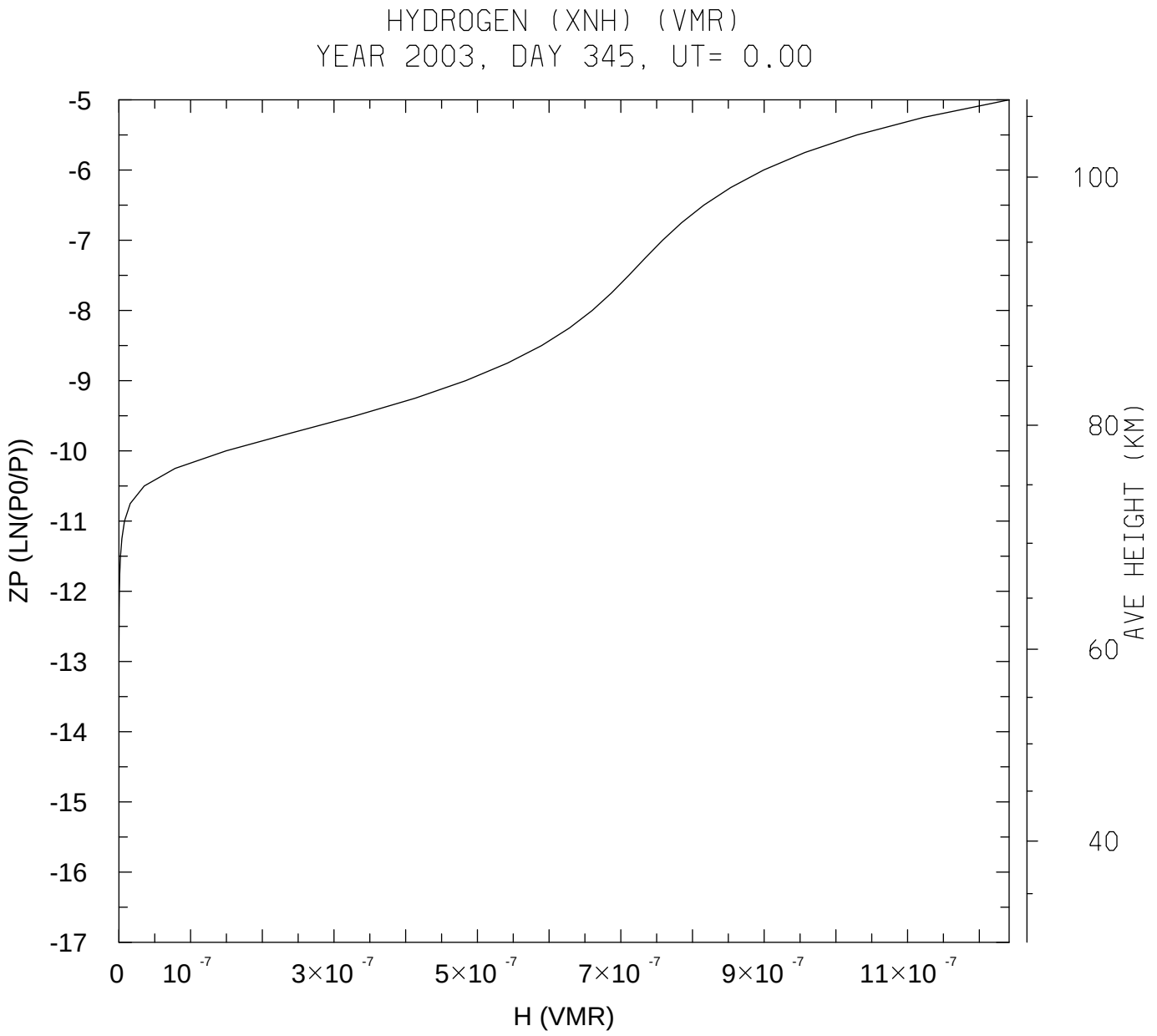
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.4664E-03 0.7200E-03
F107D = 150.00



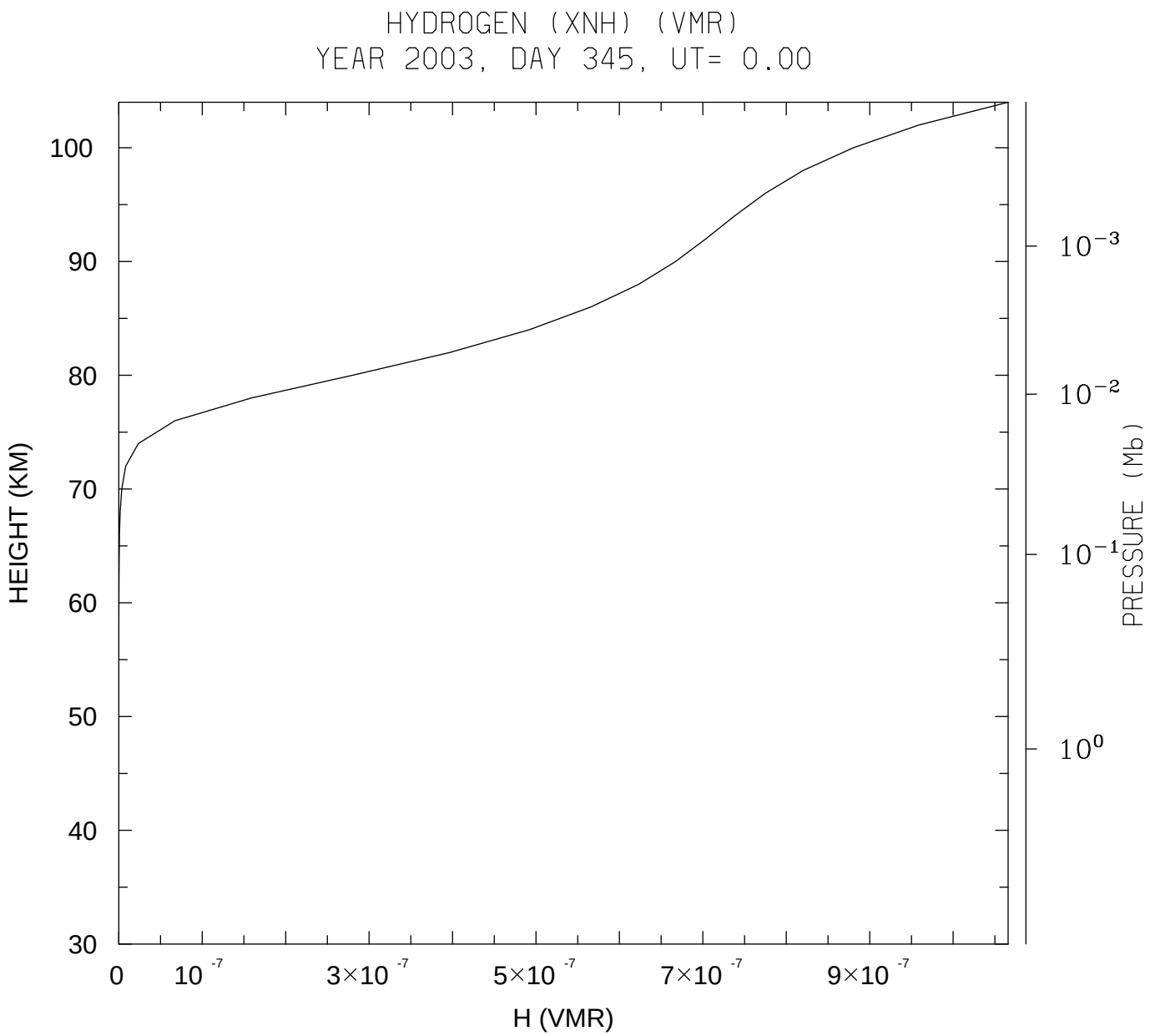
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.3550E-07 0.4560E-05
F107D = 150.00



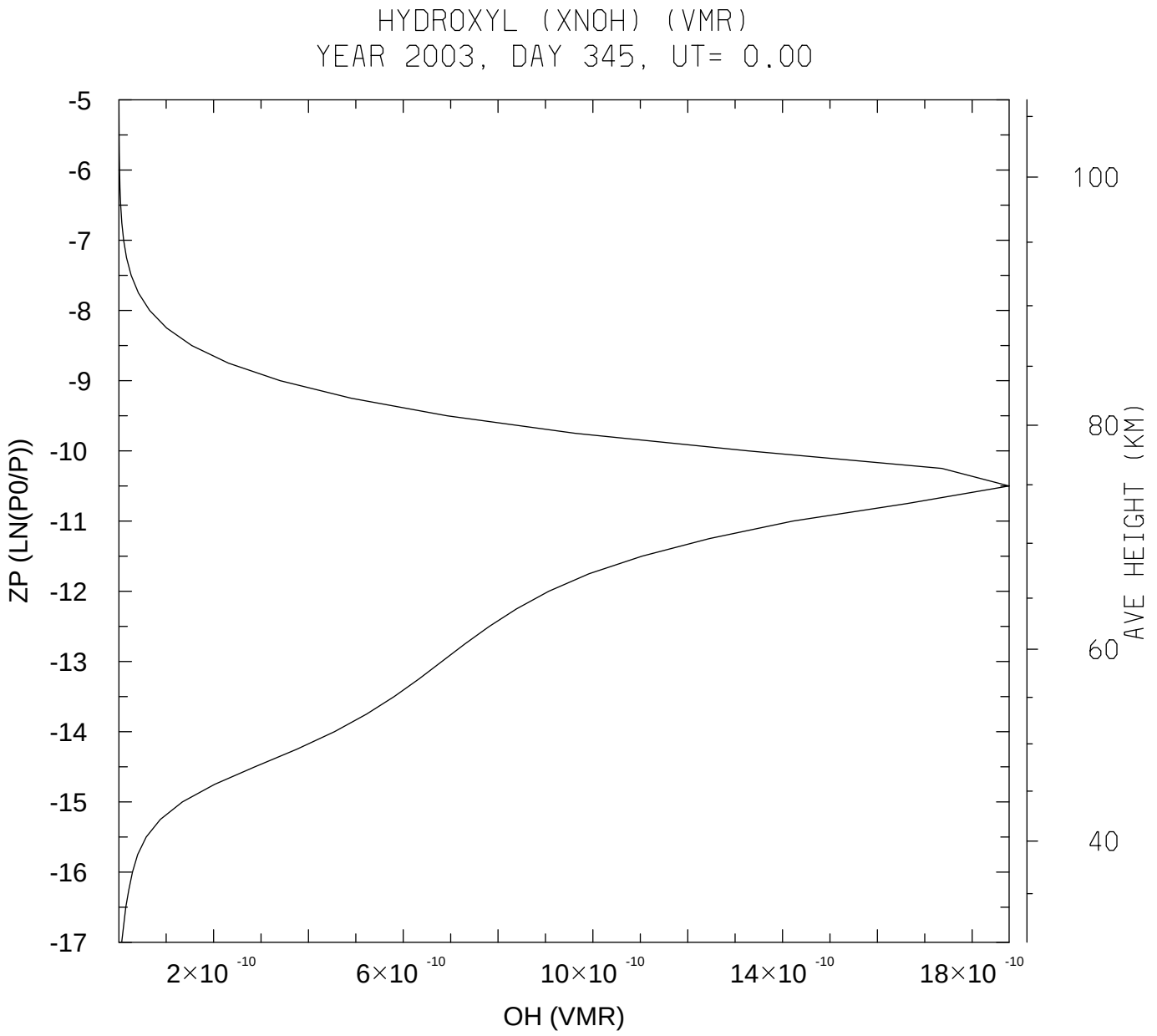
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.4397E-07 0.4559E-05
F107D = 150.00



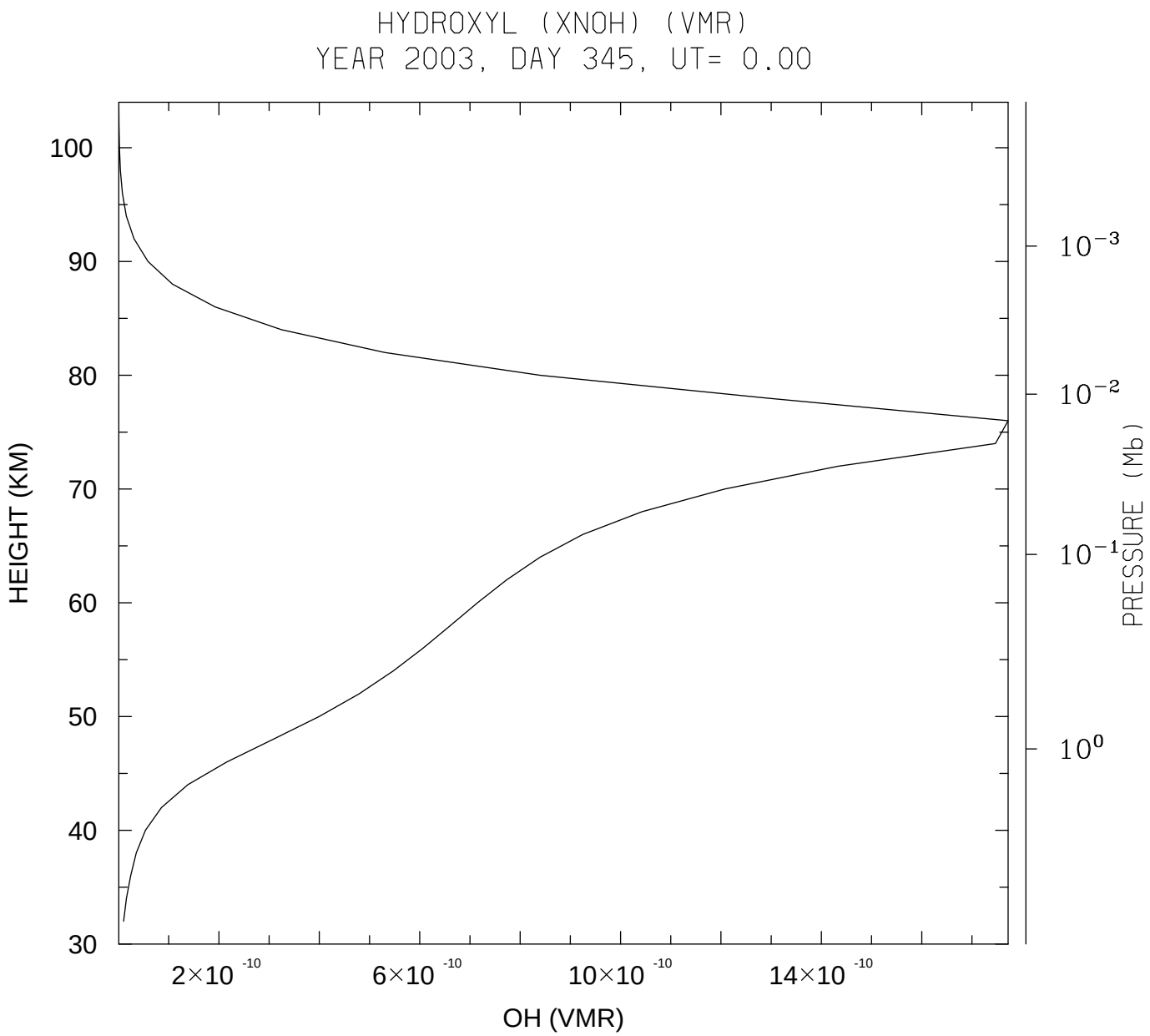
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2949E-17 0.1242E-05
F107D = 150.00



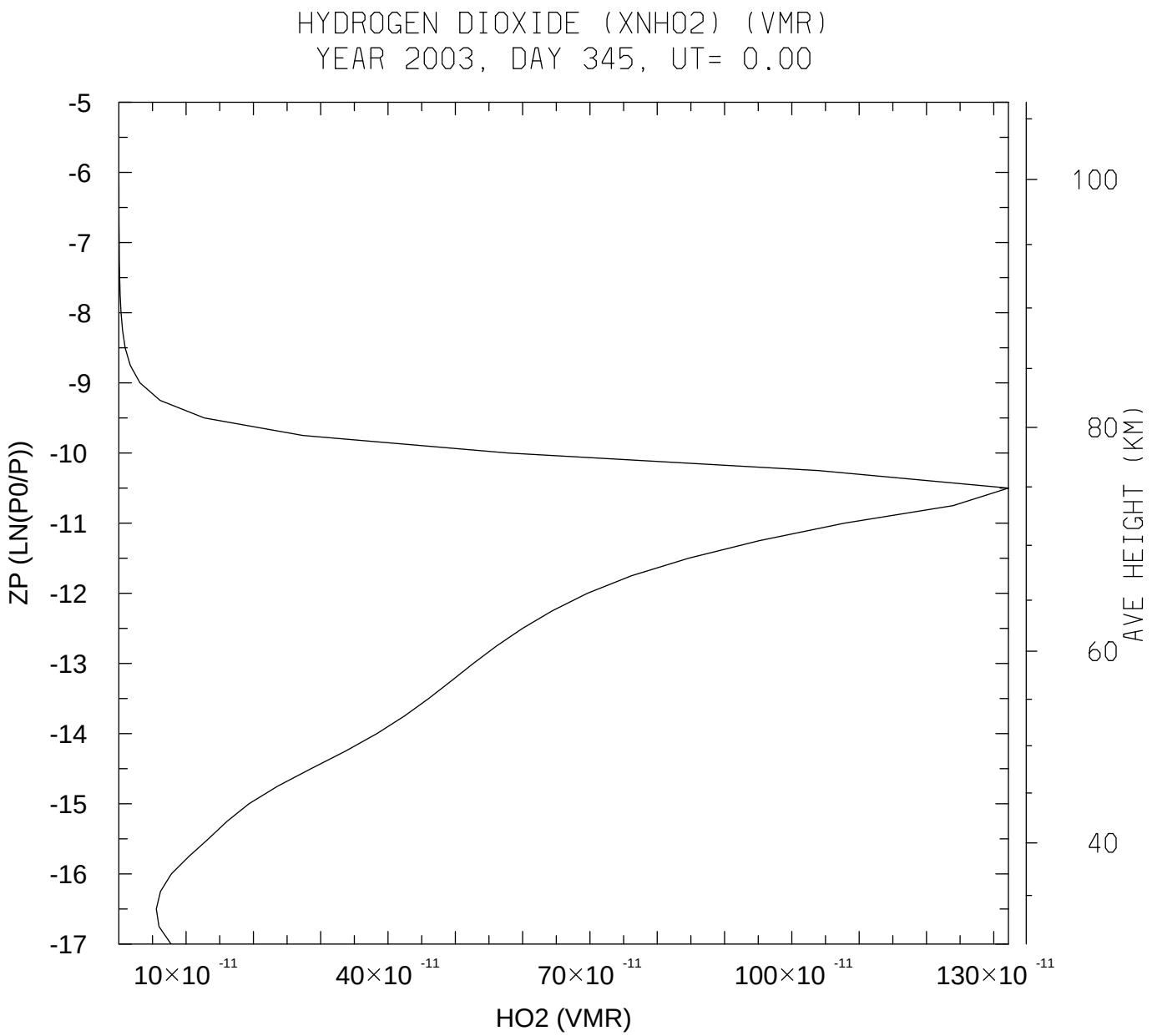
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.6572E-17 0.1066E-05
F107D = 150.00



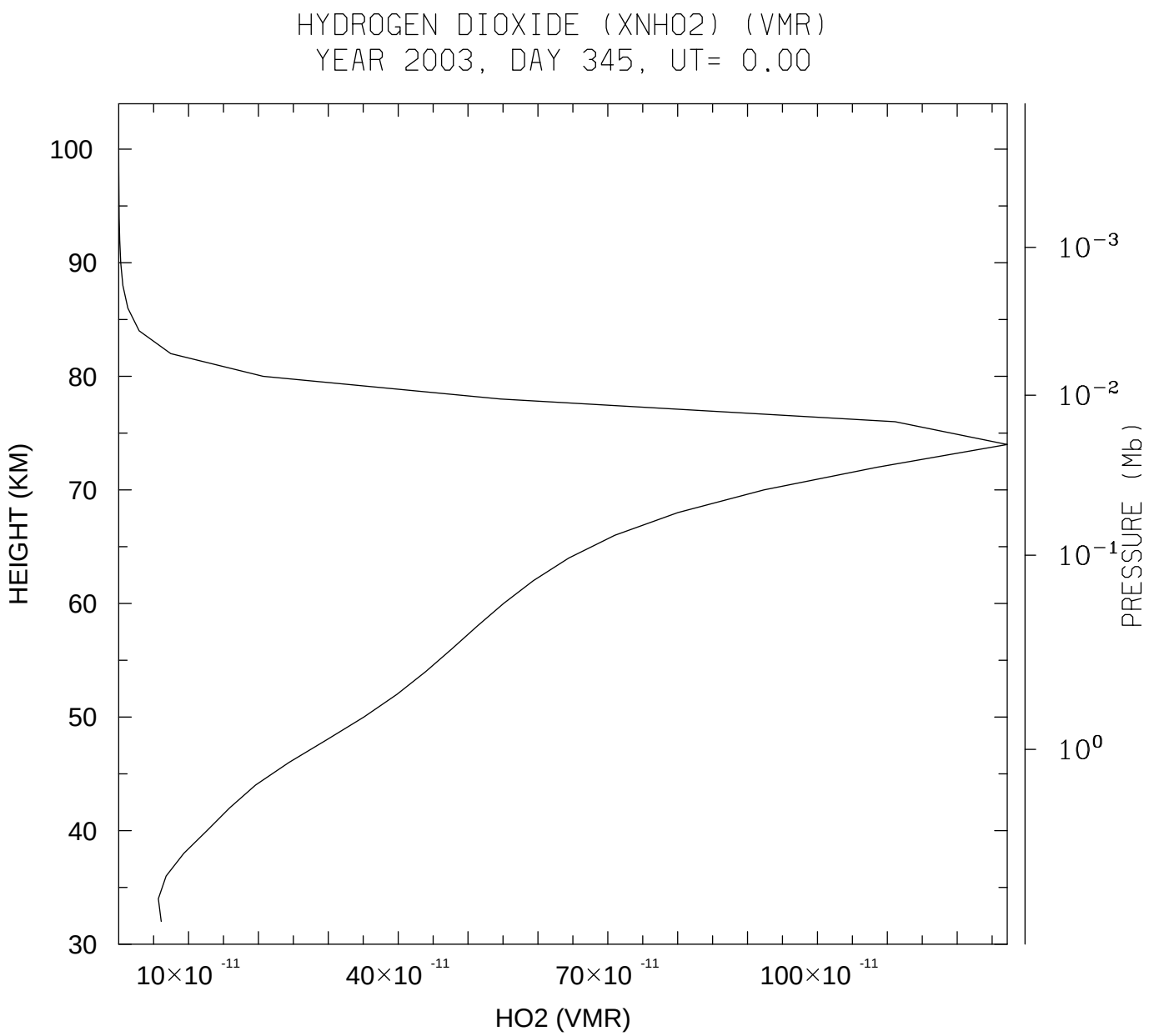
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2503E-12 0.1878E-08
F107D = 150.00

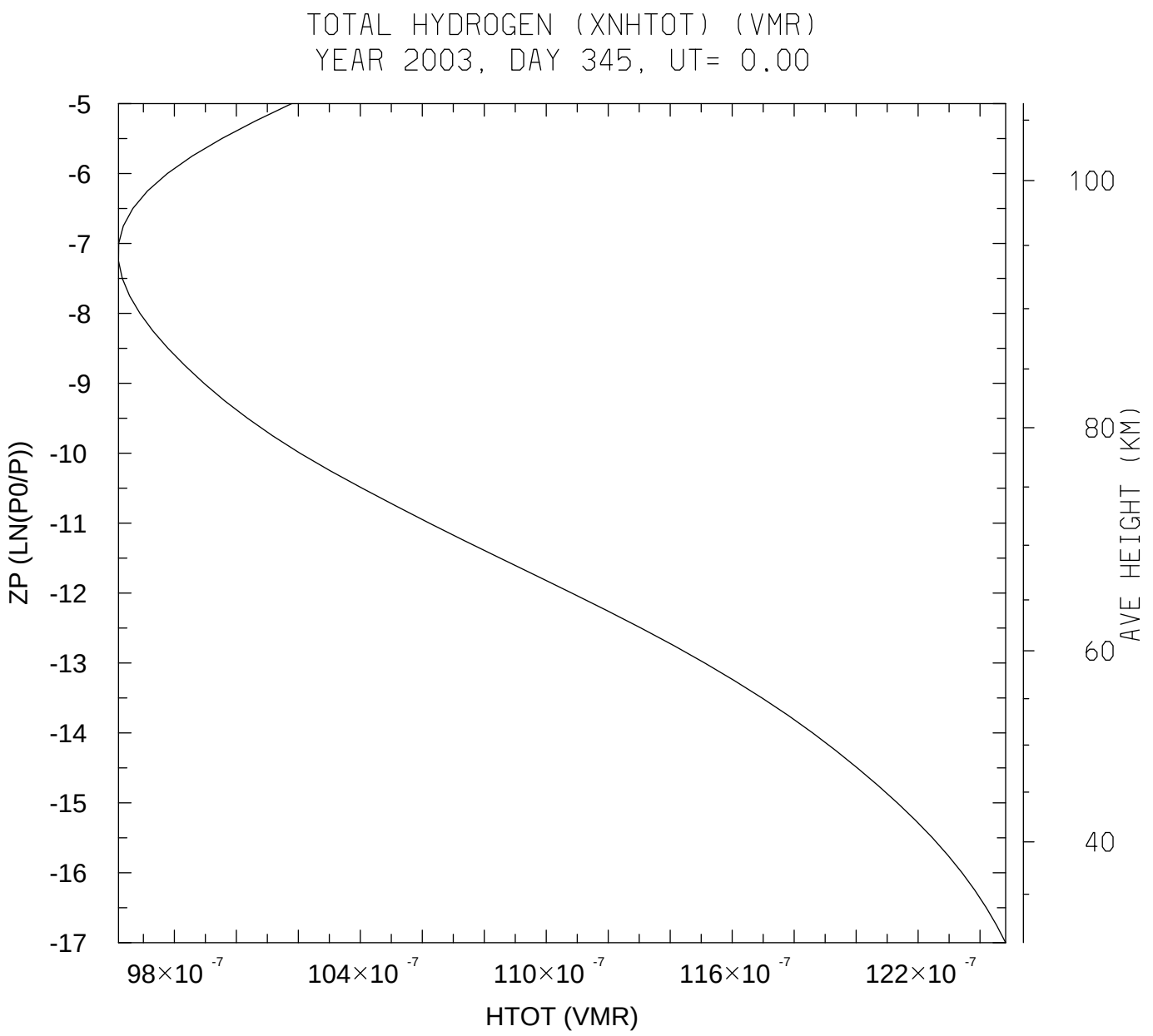


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5338E-12 0.1772E-08
F107D = 150.00

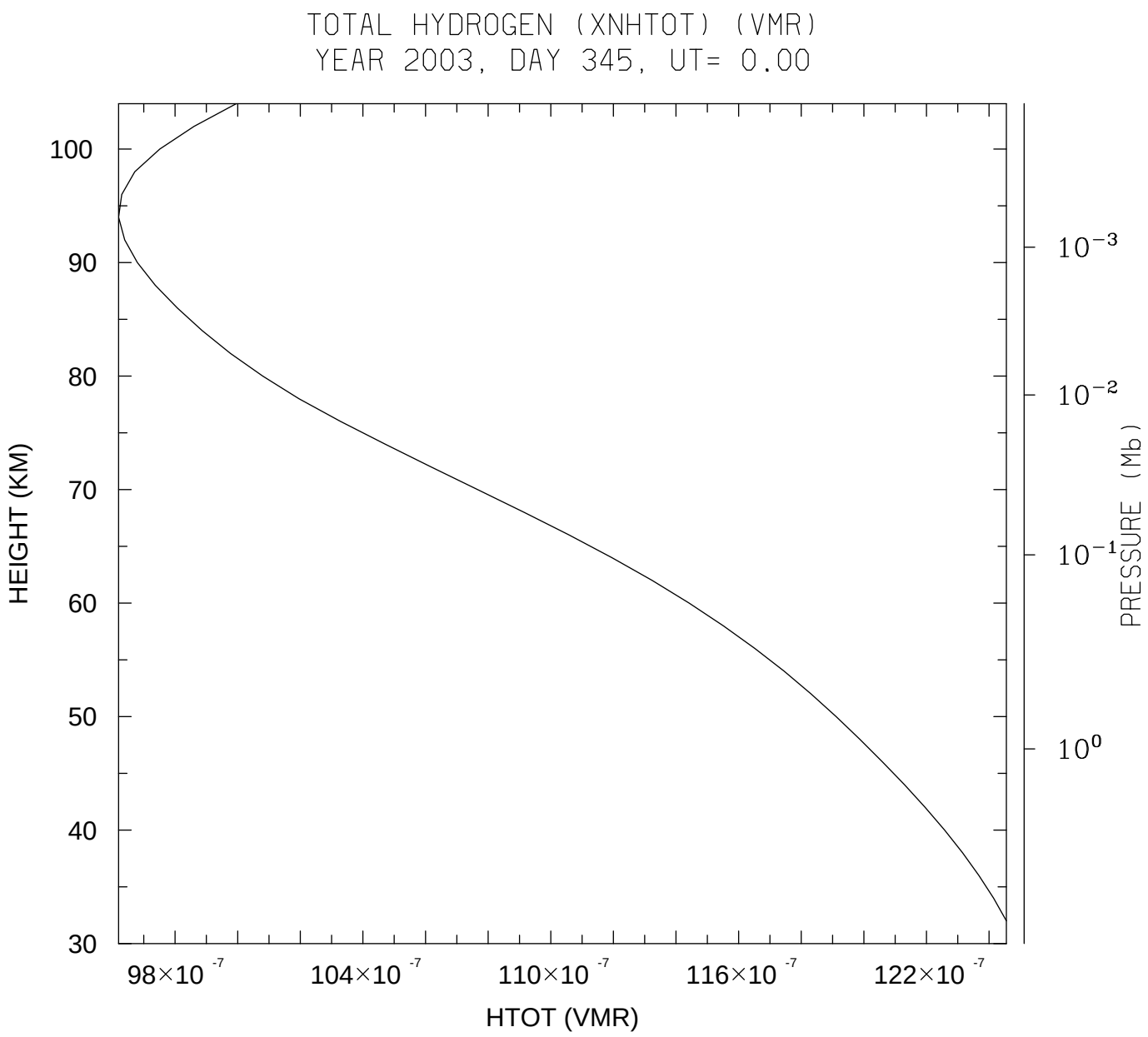


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1606E-13 0.1322E-08
F107D = 150.00

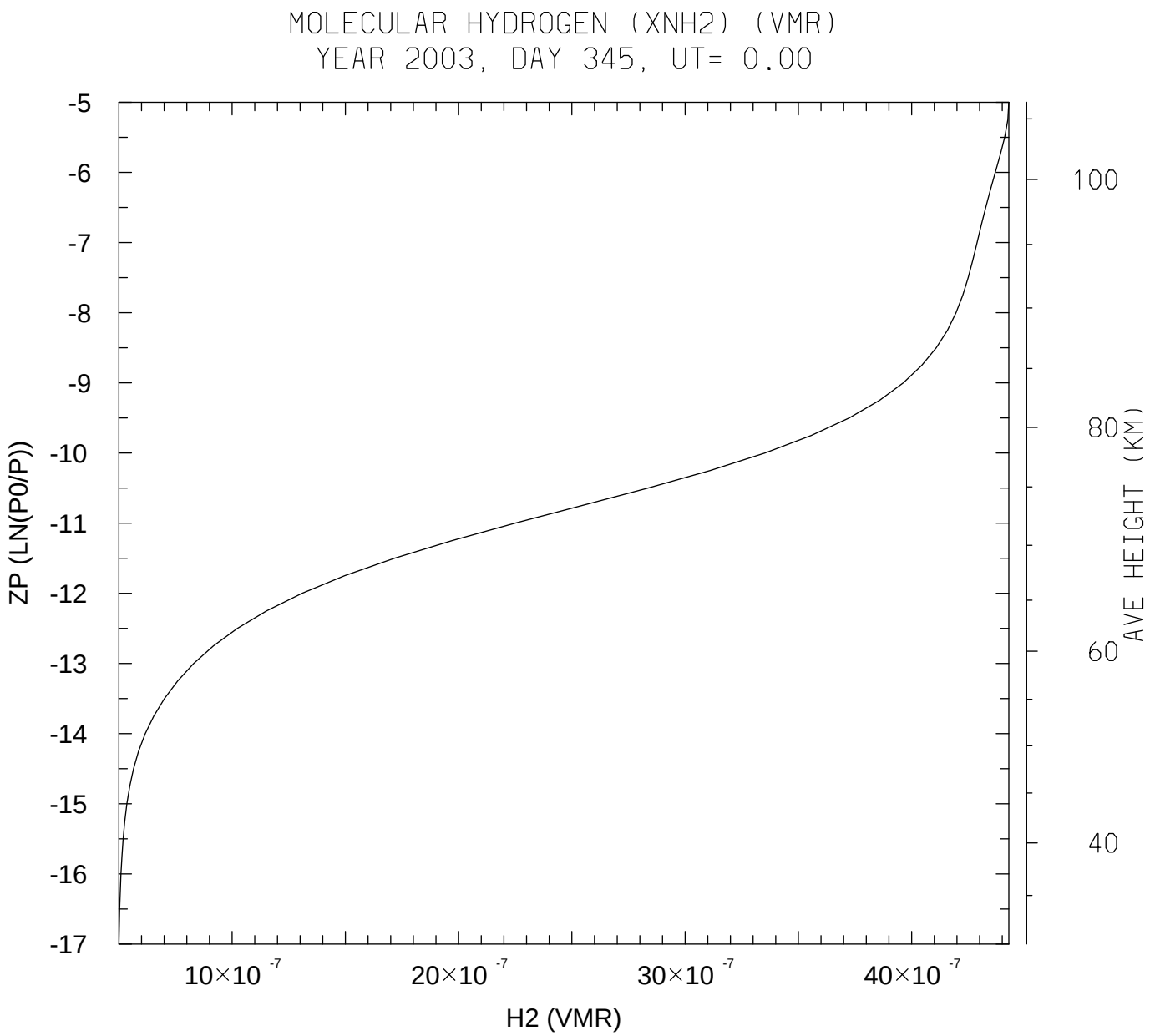

HYDROGEN DIOXIDE (XNHO2) (VMR)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
10×10 -11
40×10 -11
70×10 -11
100×10 -11
HO2 (VMR)
PRESSURE (Mb)
10−3
10−2
10−1
100
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.3278E-13 0.1272E-08
F107D = 150.00



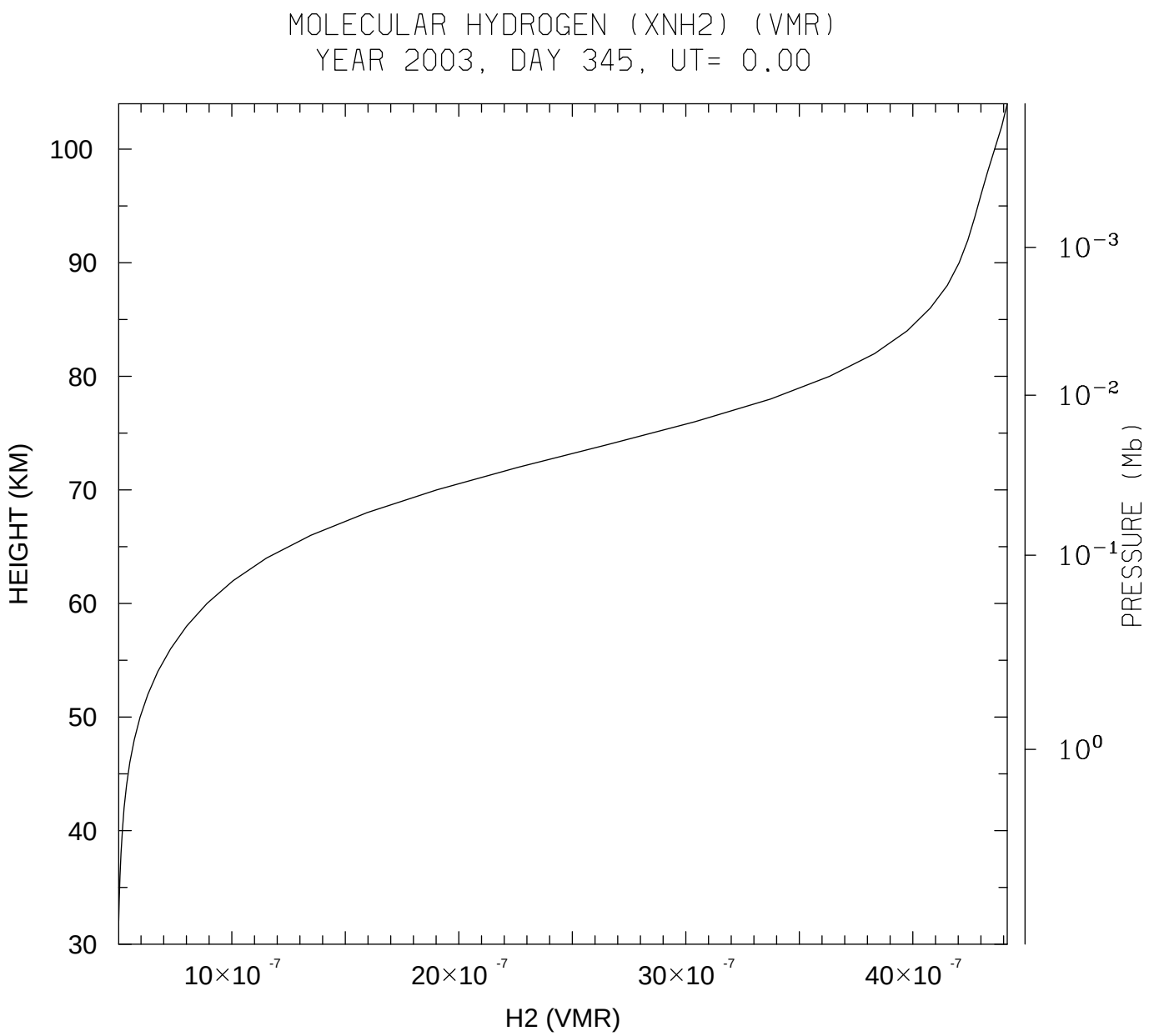
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.9620E-05 0.1248E-04
F107D = 150.00



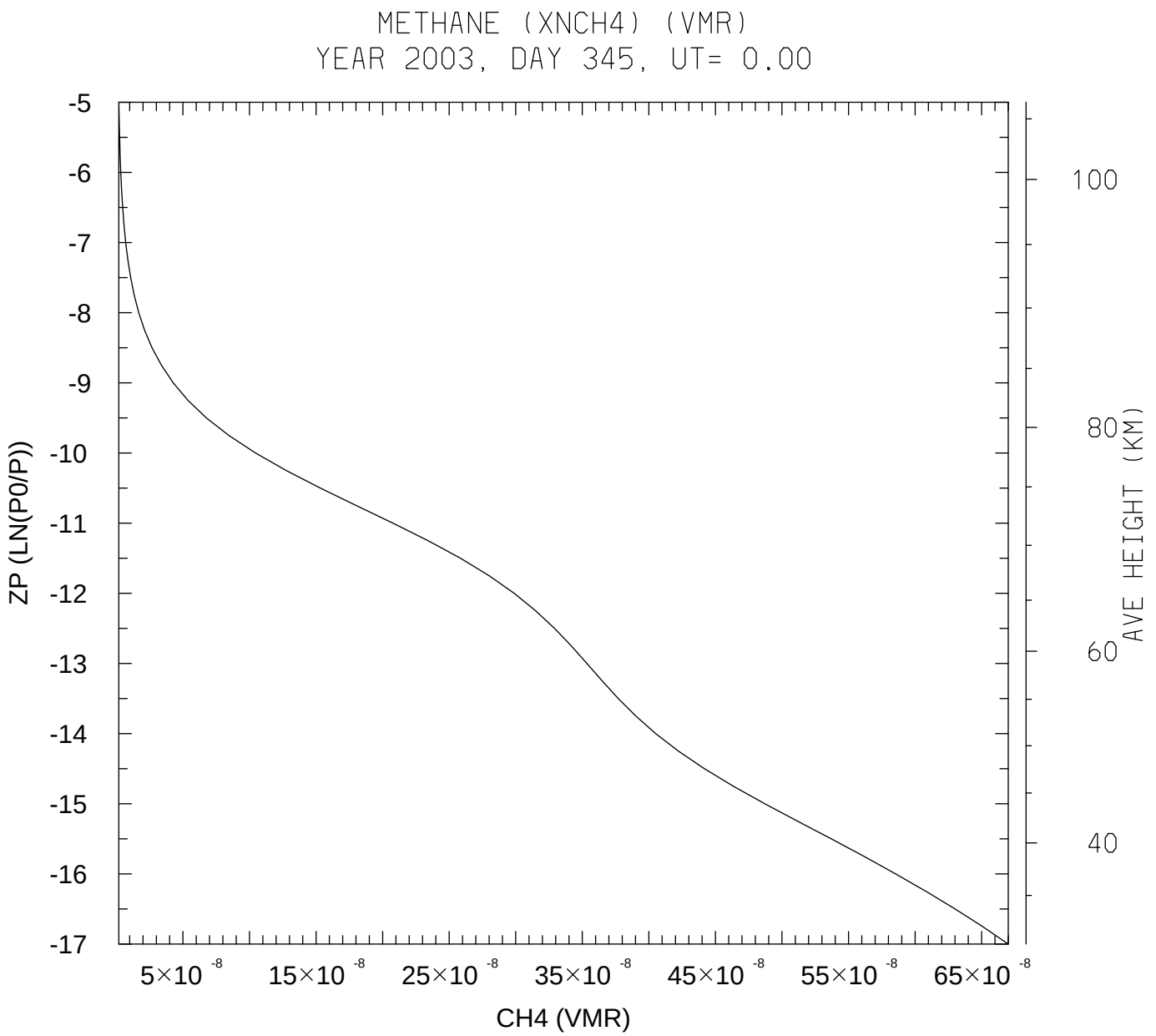
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.9620E-05 0.1246E-04
F107D = 150.00



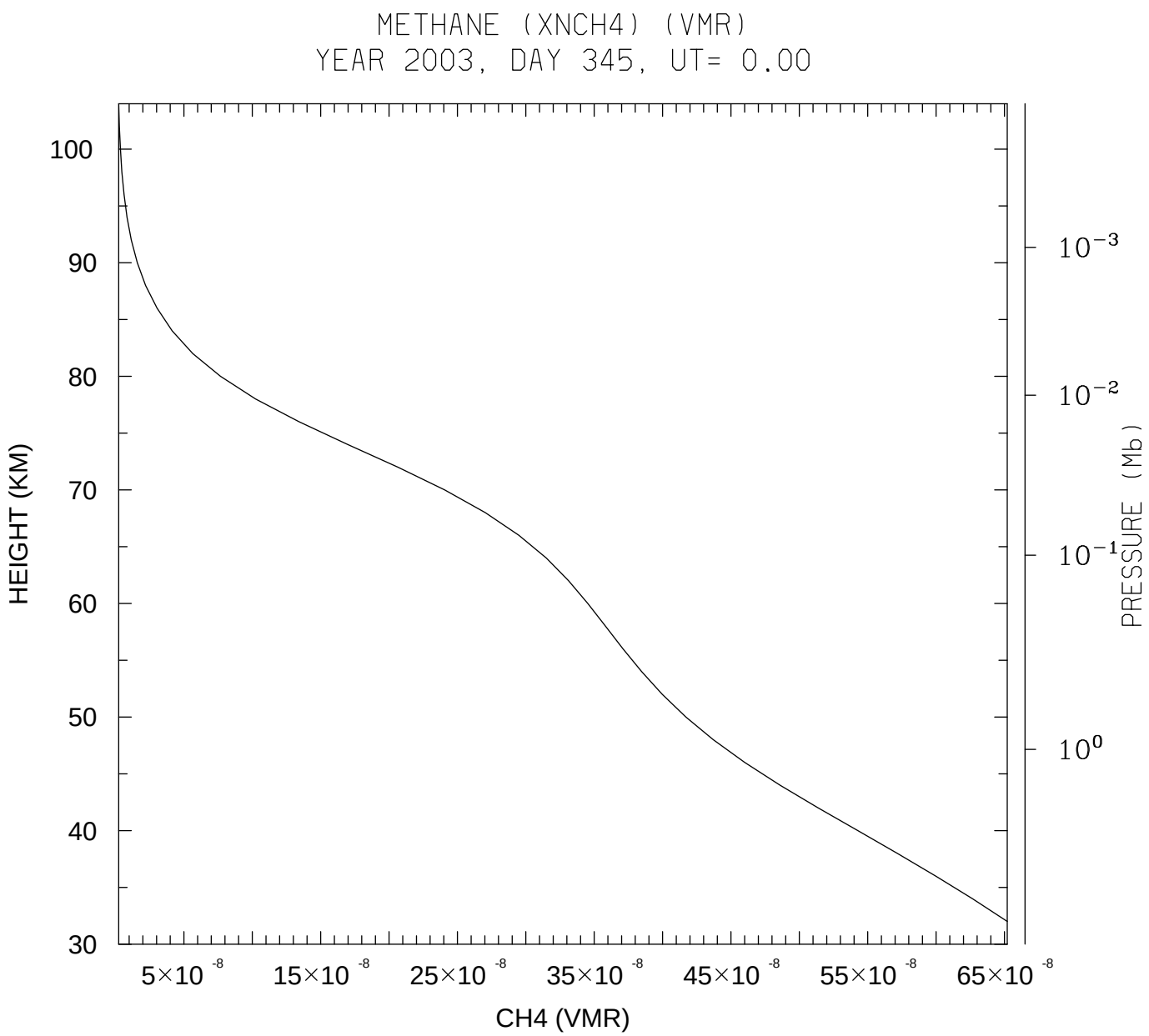
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5000E-06 0.4429E-05
F107D = 150.00



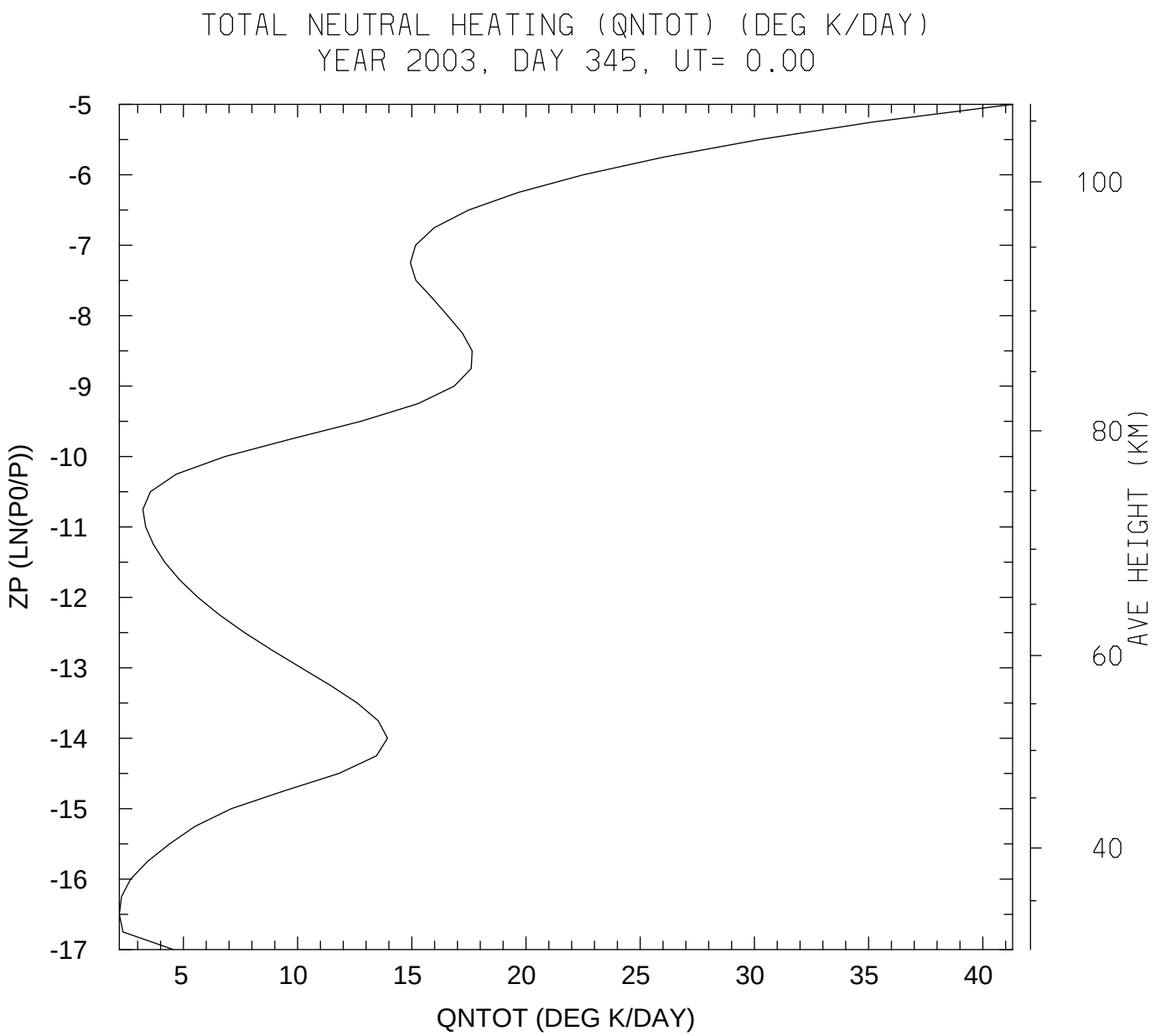
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5014E-06 0.4416E-05
F107D = 150.00



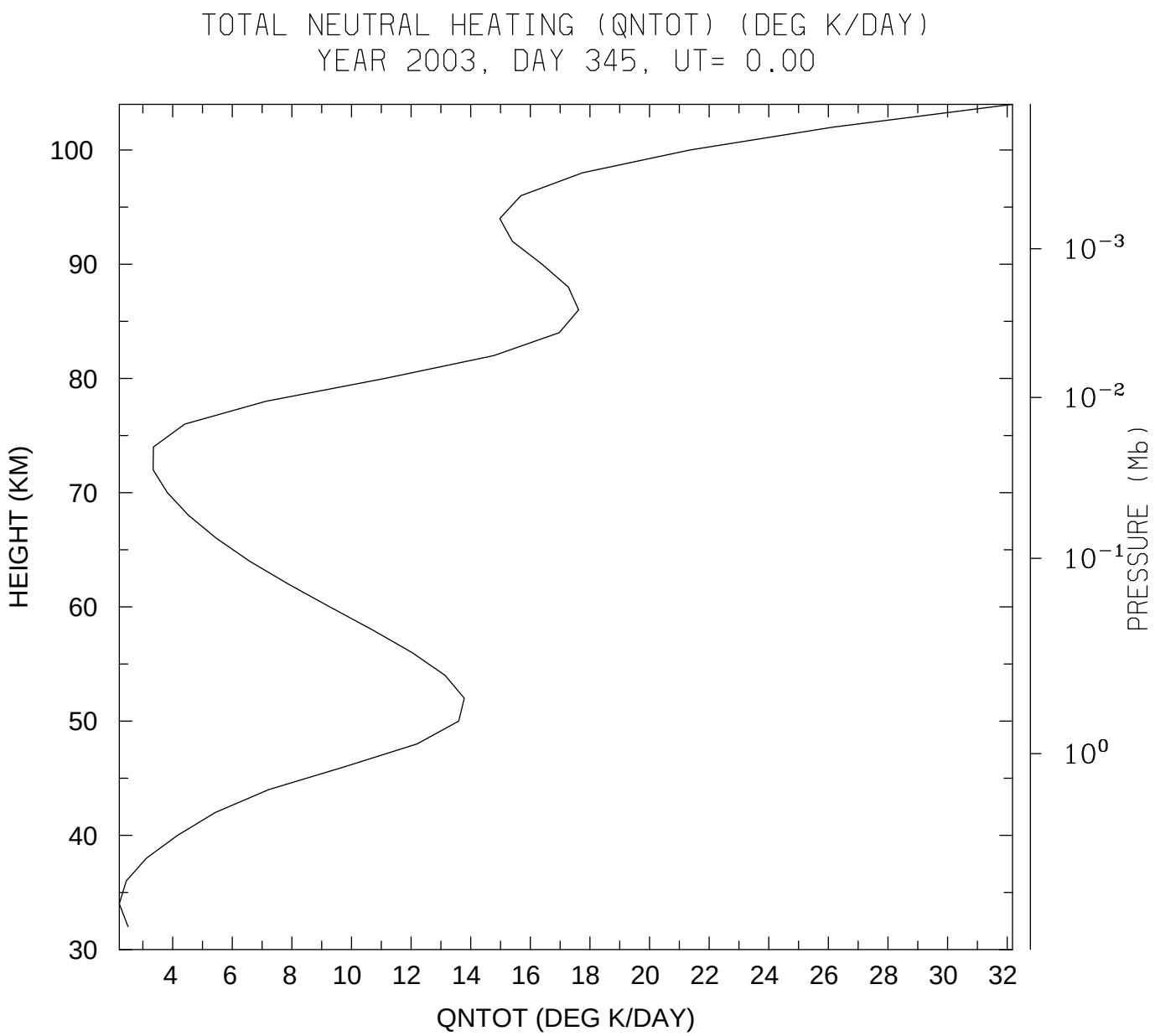
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1816E-08 0.6700E-06
F107D = 150.00



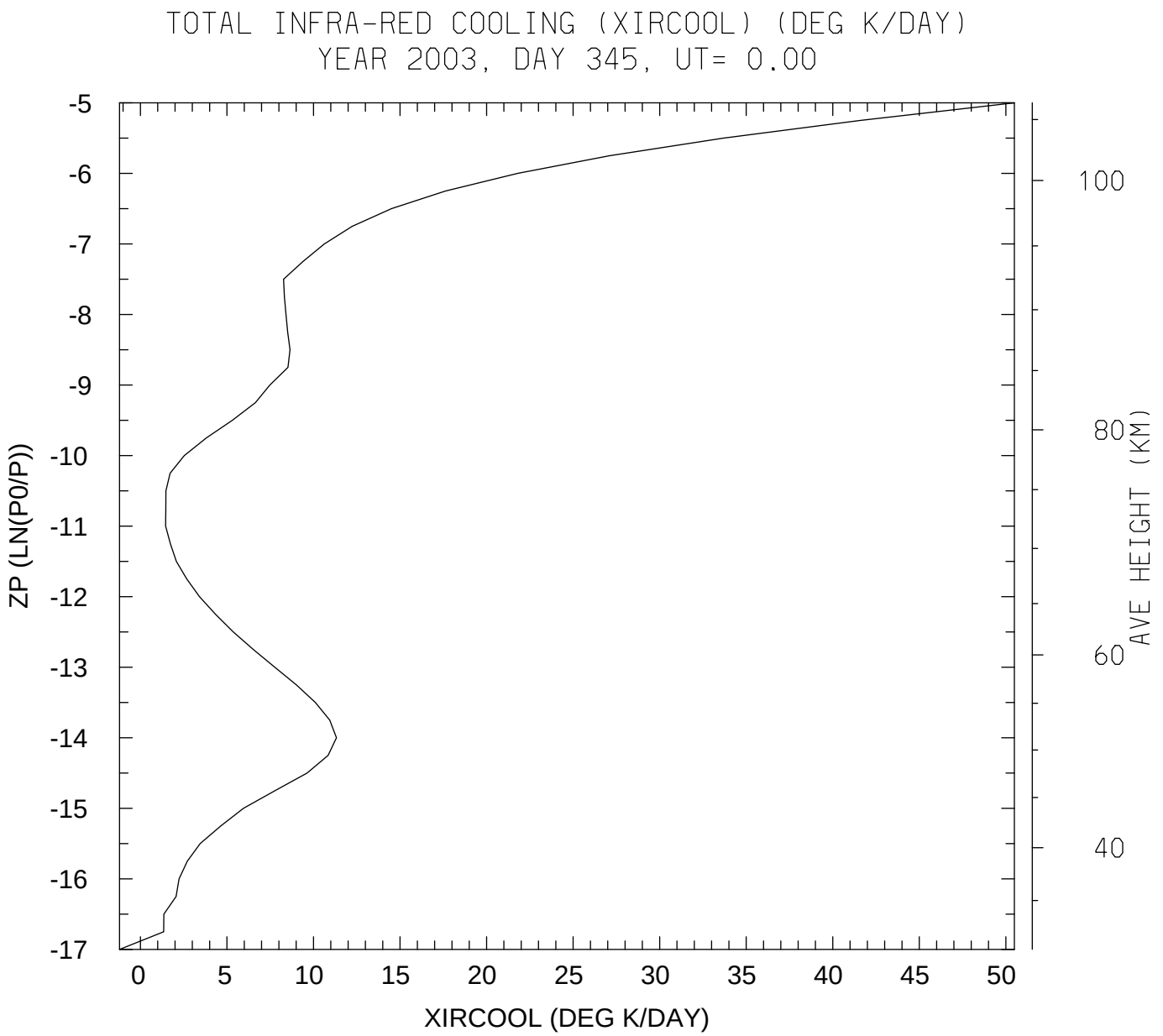
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2293E-08 0.6520E-06
F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2195E+01 0.4131E+02
F107D = 150.00

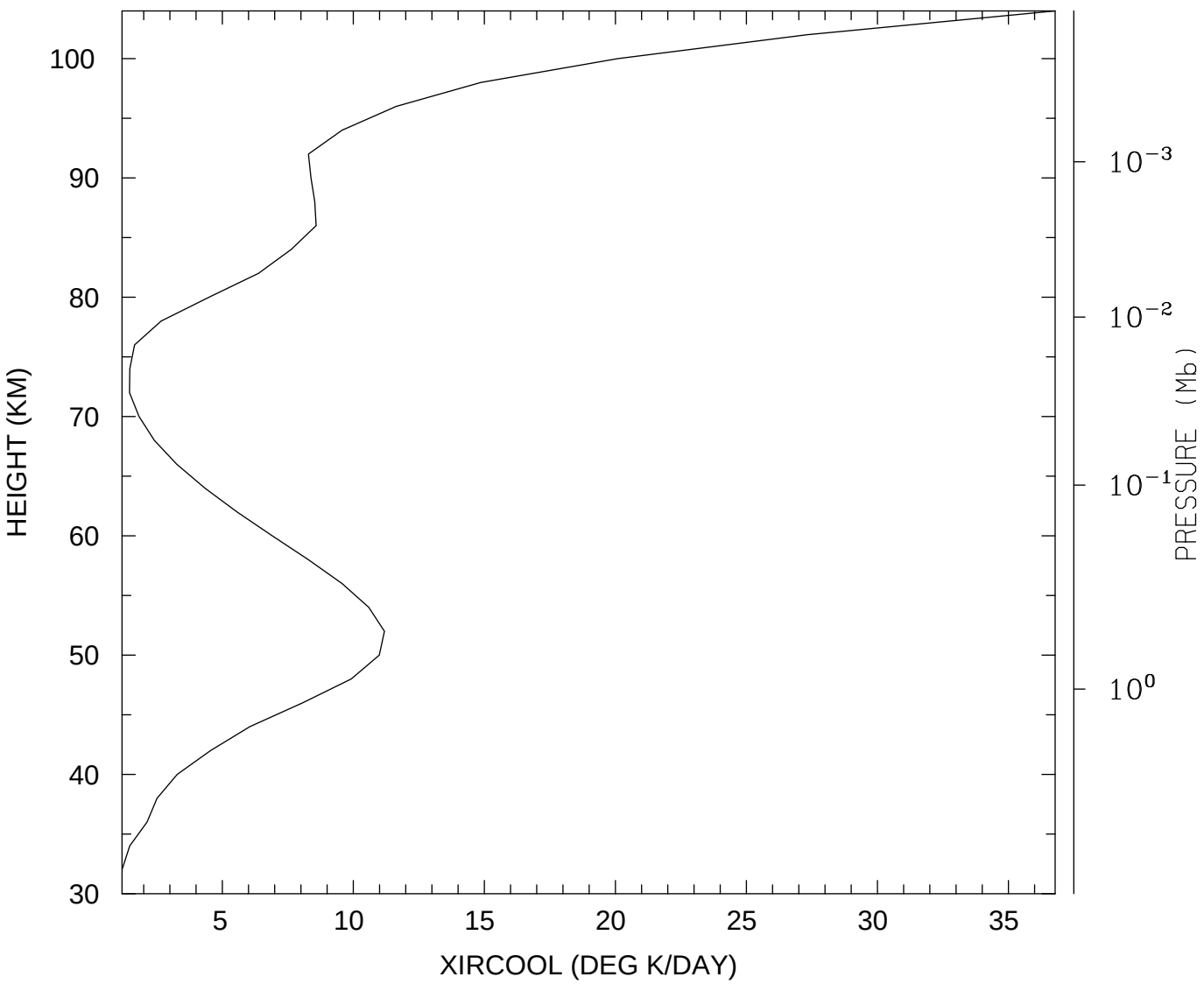


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2210E+01 0.3218E+02
F107D = 150.00

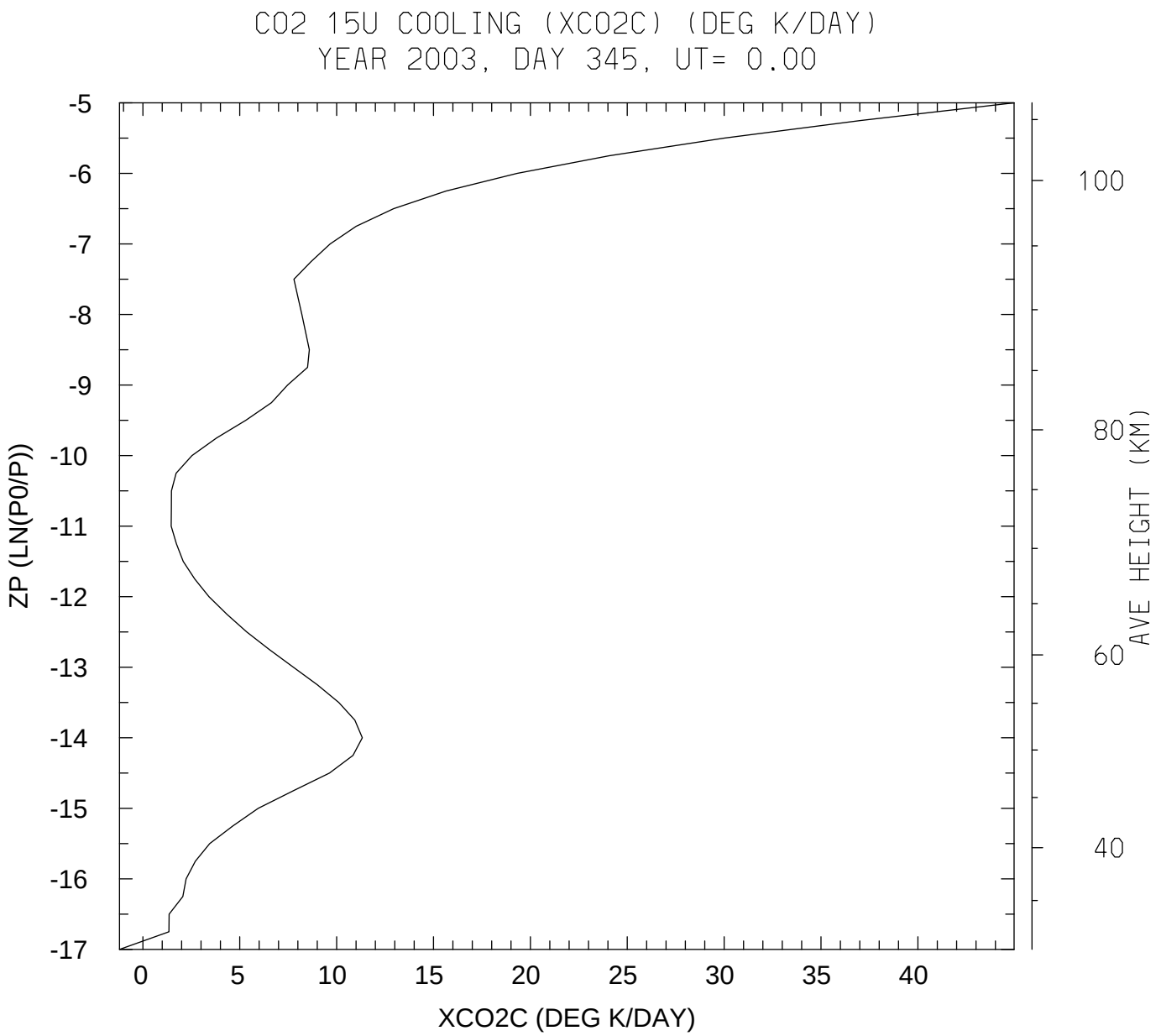


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.1208E+01 0.5049E+02
F107D = 150.00

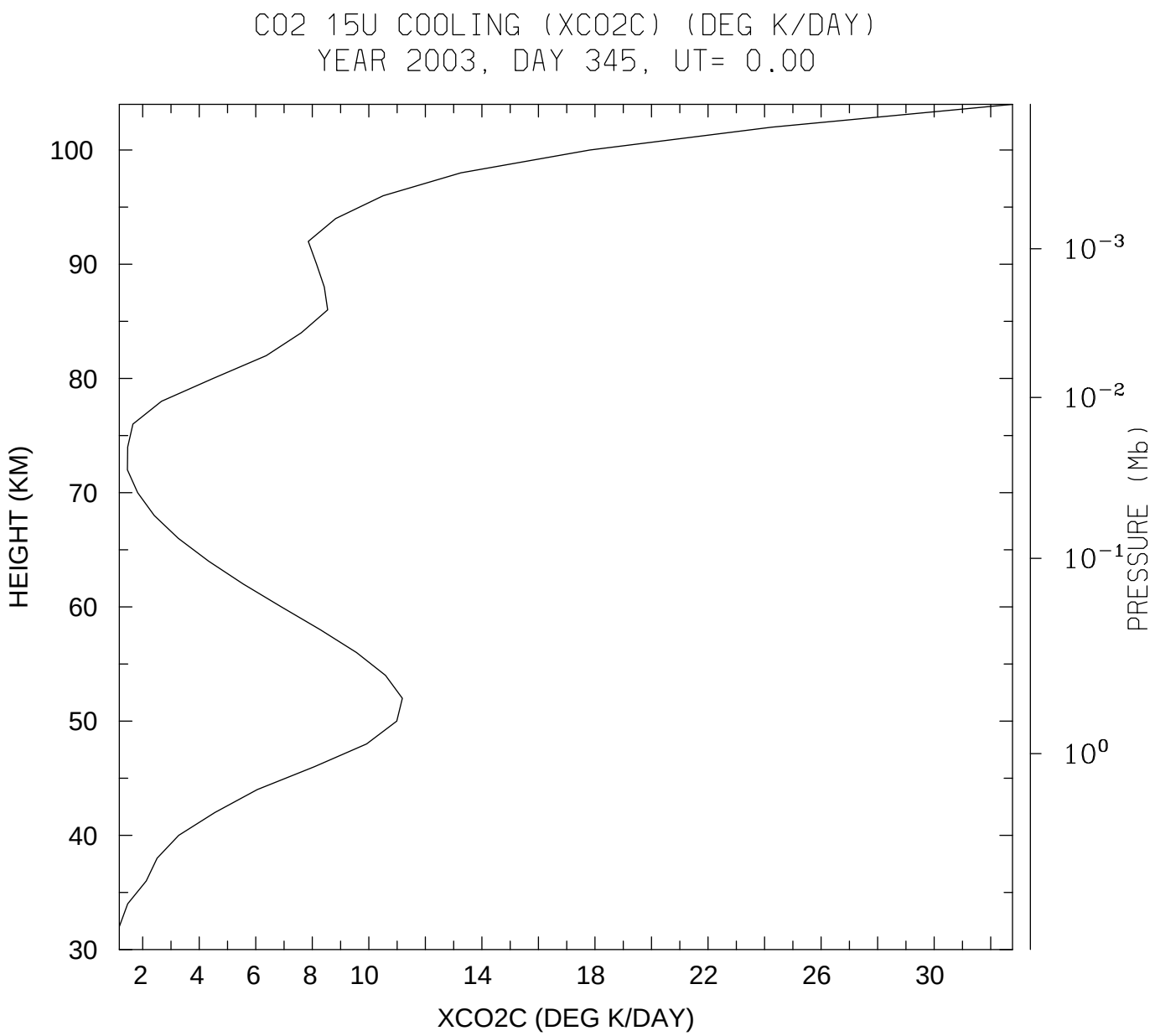
TOTAL INFRA-RED COOLING (XIRCOOL) (DEG K/DAY)
YEAR 2003, DAY 345, UT= 0.00



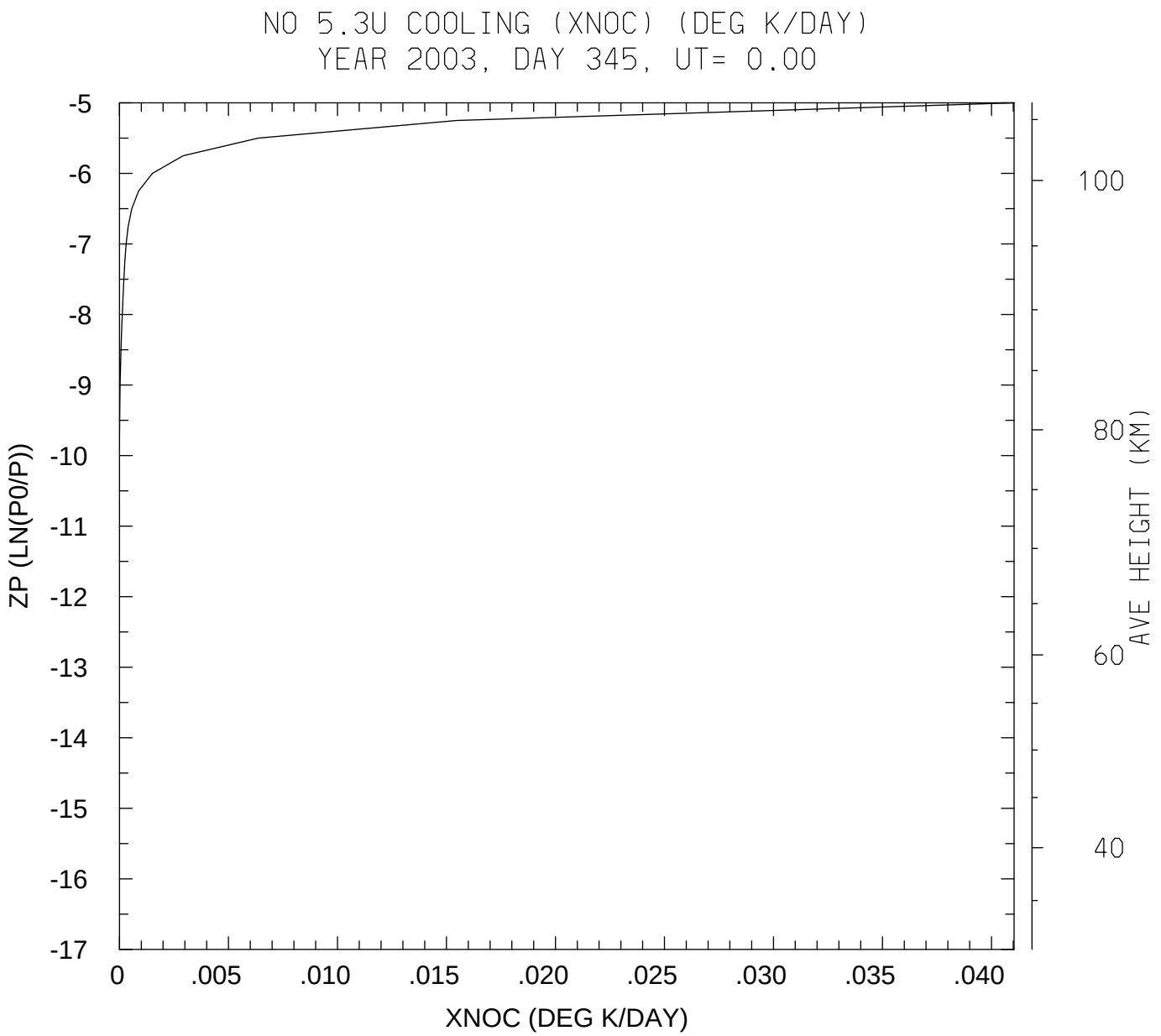
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1172E+01 0.3678E+02
F107D = 150.00



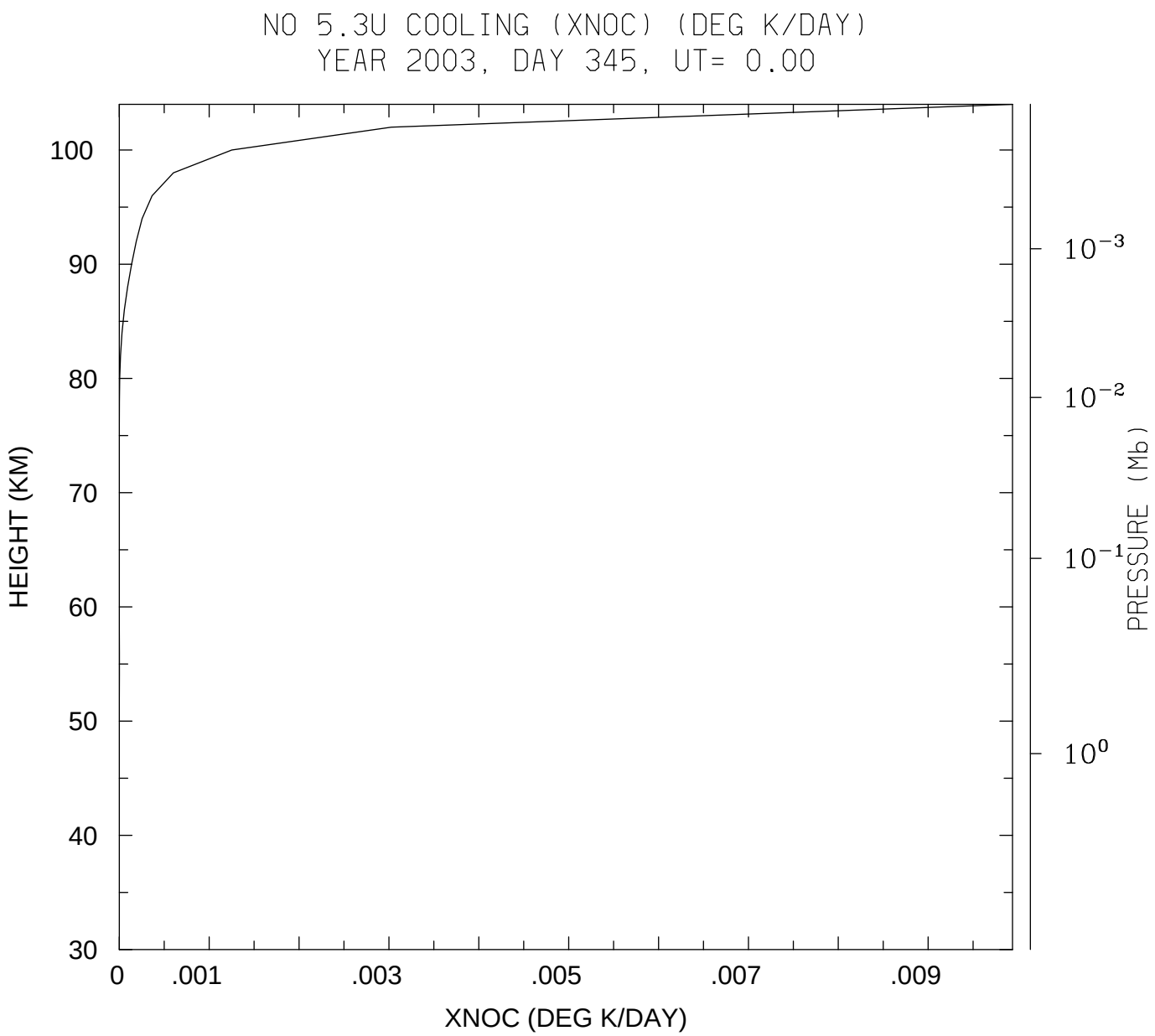
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.1208E+01 0.4497E+02
F107D = 150.00



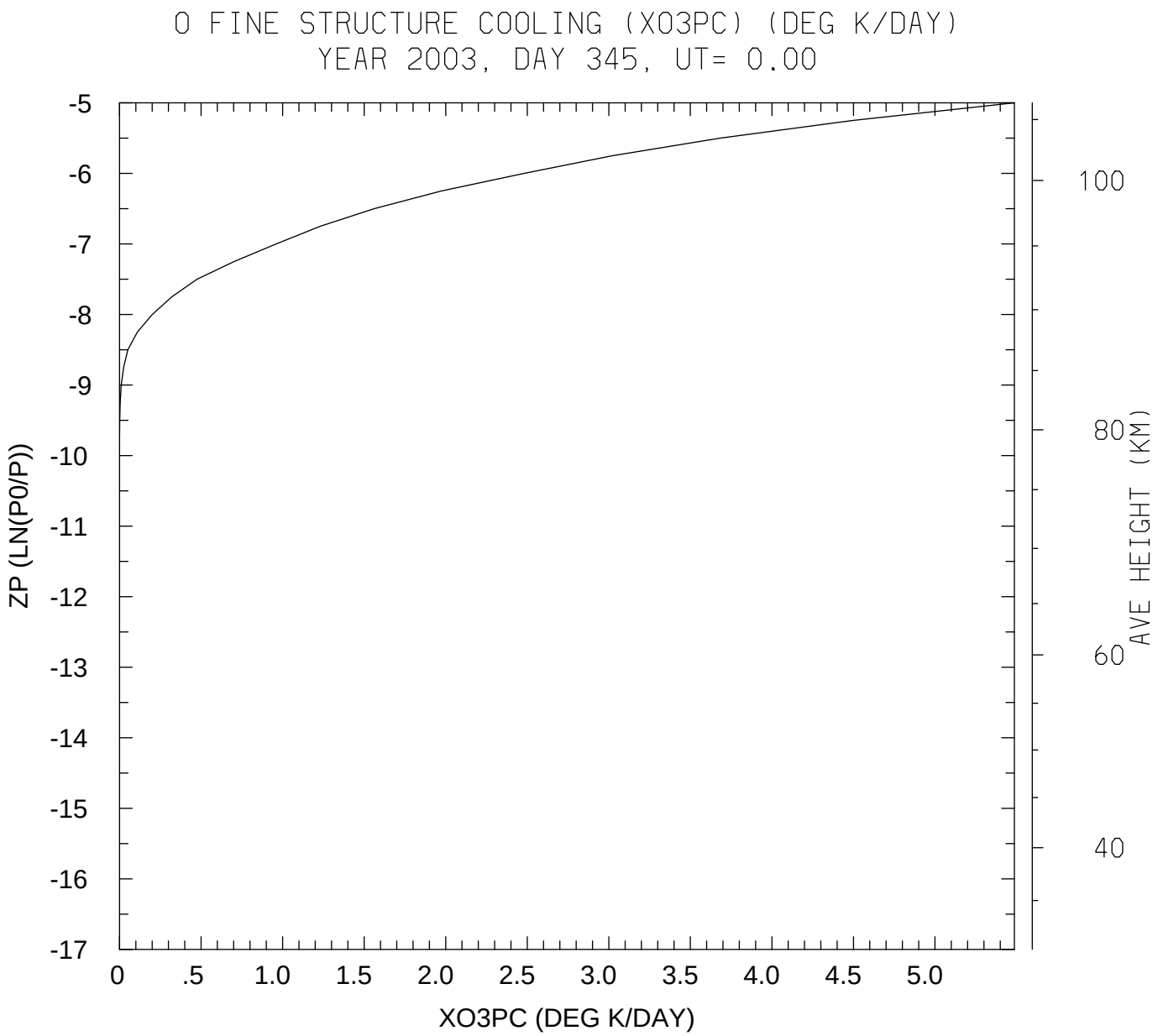
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.1172E+01 0.3277E+02
F107D = 150.00



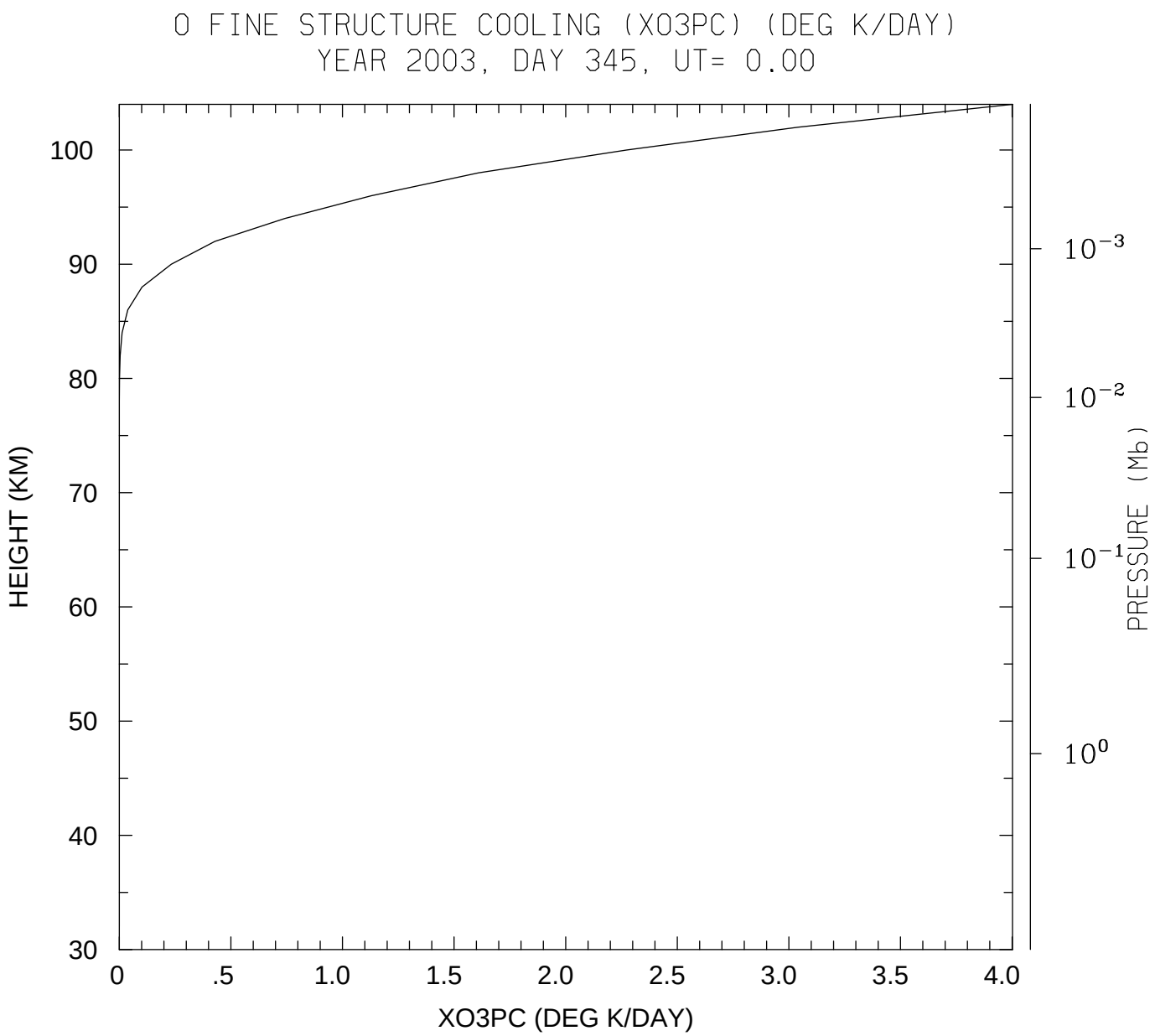
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.2838E-09 0.4104E-01
F107D = 150.00



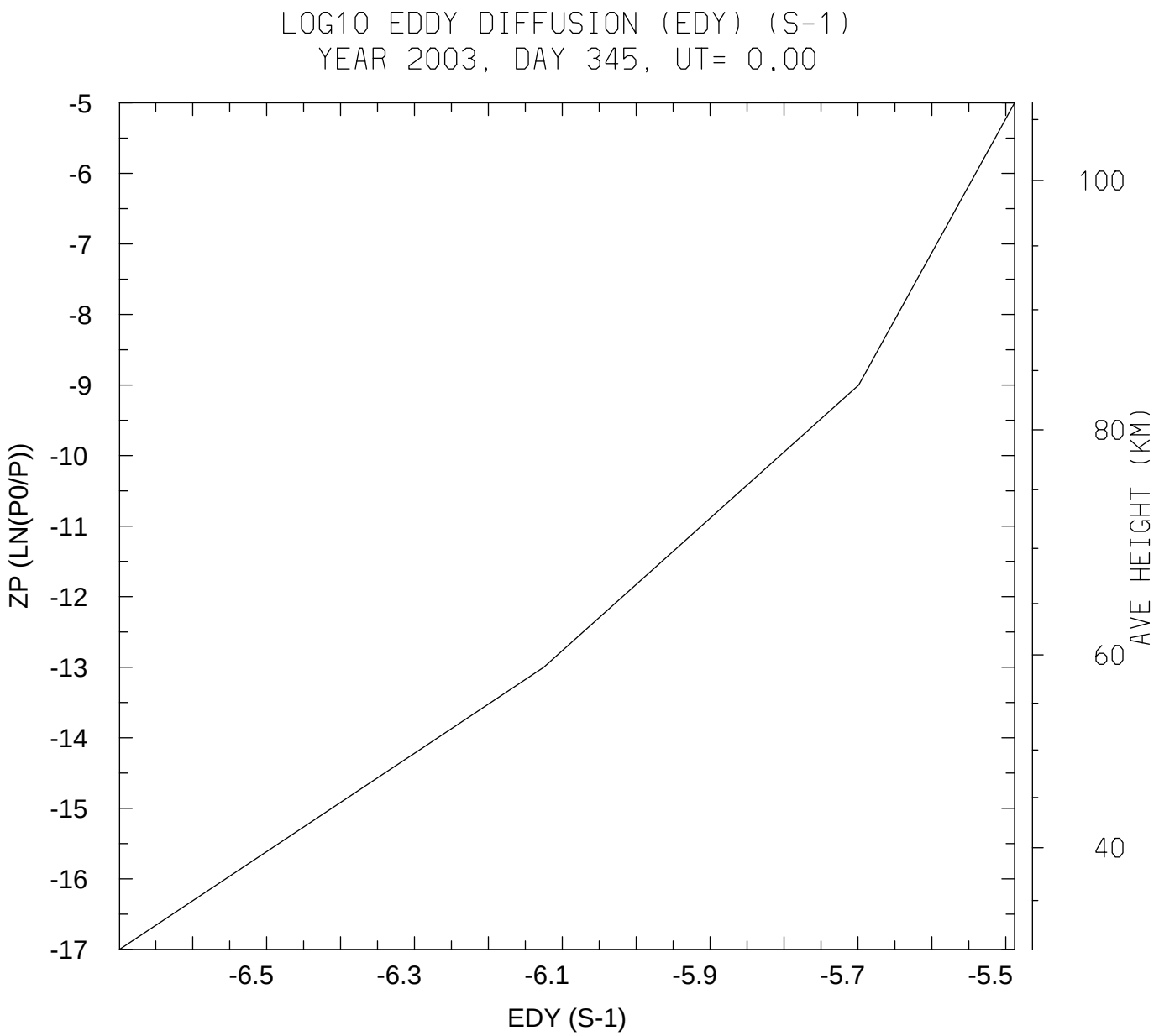
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.4907E-09 0.9939E-02
F107D = 150.00



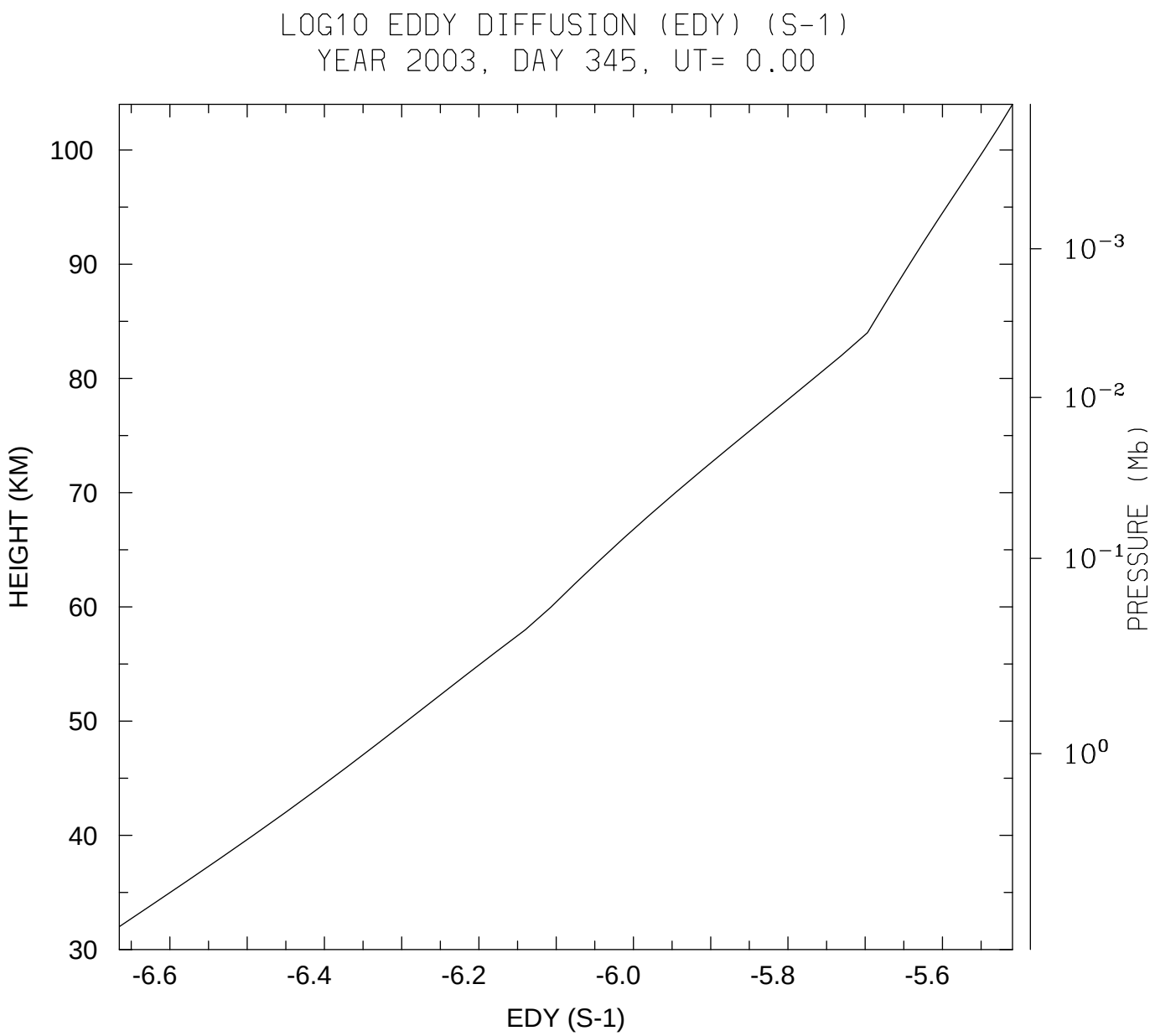
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5342E-10 0.5487E+01
F107D = 150.00



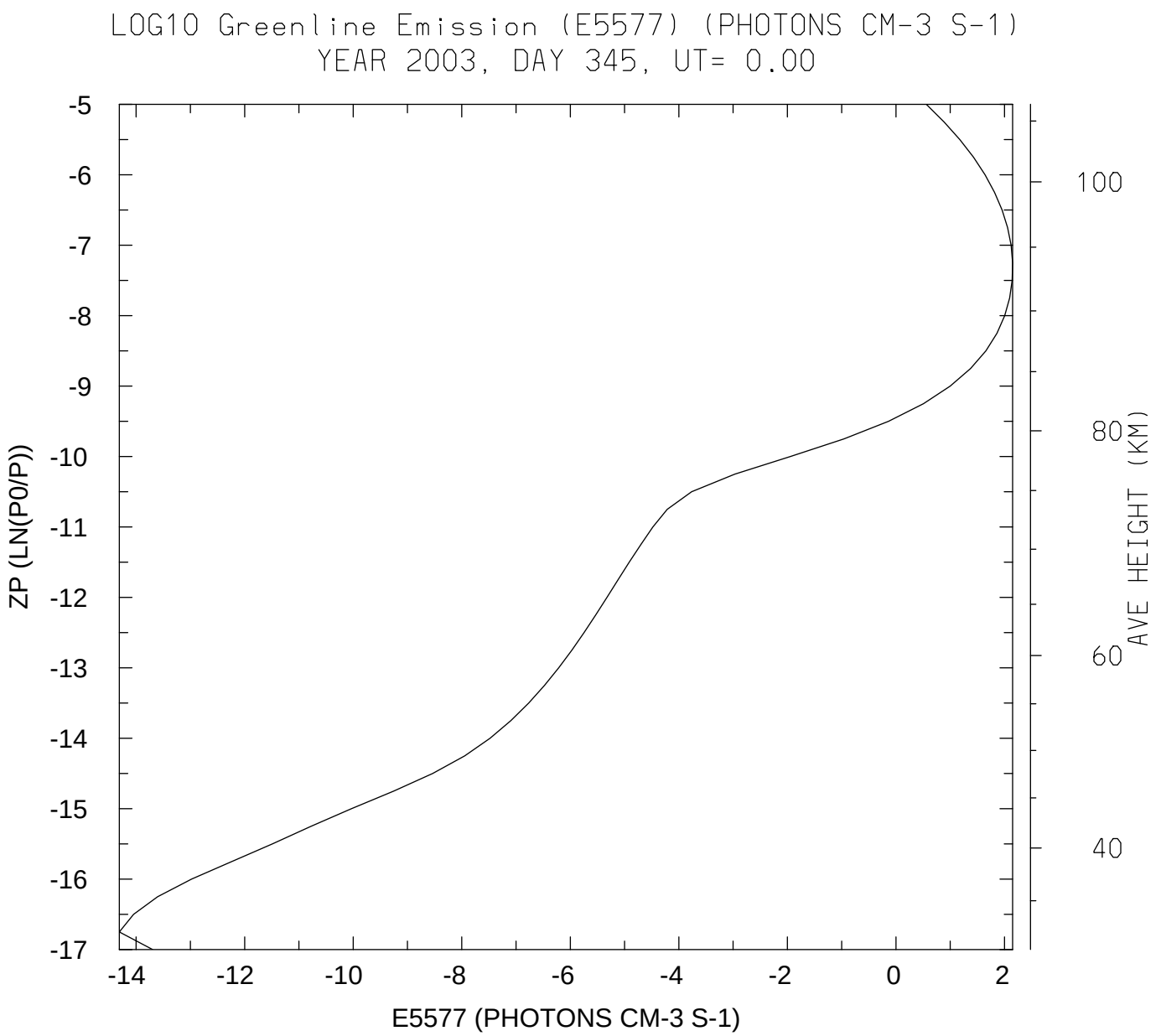
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = 0.5441E-10 0.4002E+01
F107D = 150.00



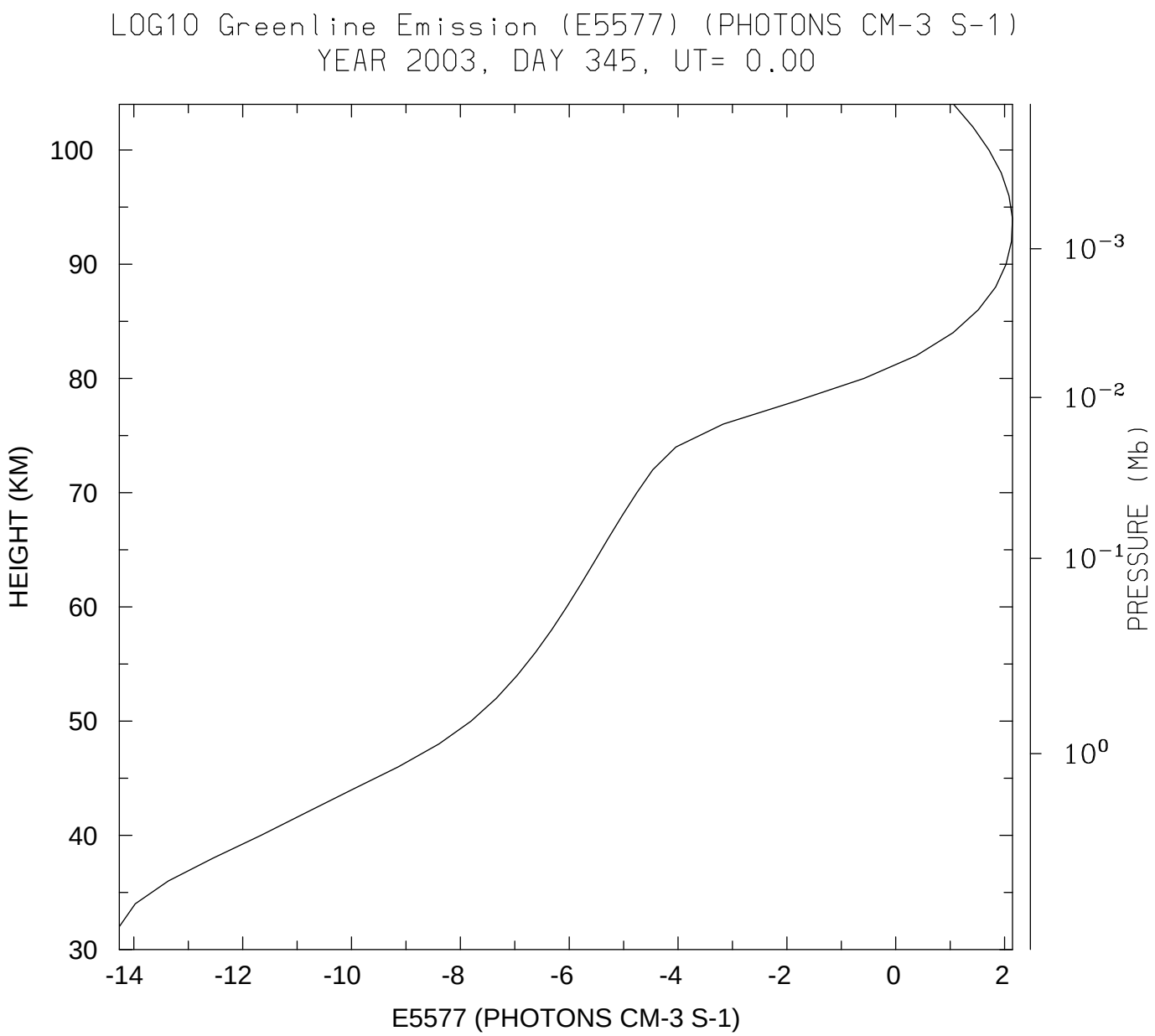
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.6699E+01 -0.5488E+01
F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.6666E+01 -0.5509E+01
F107D = 150.00

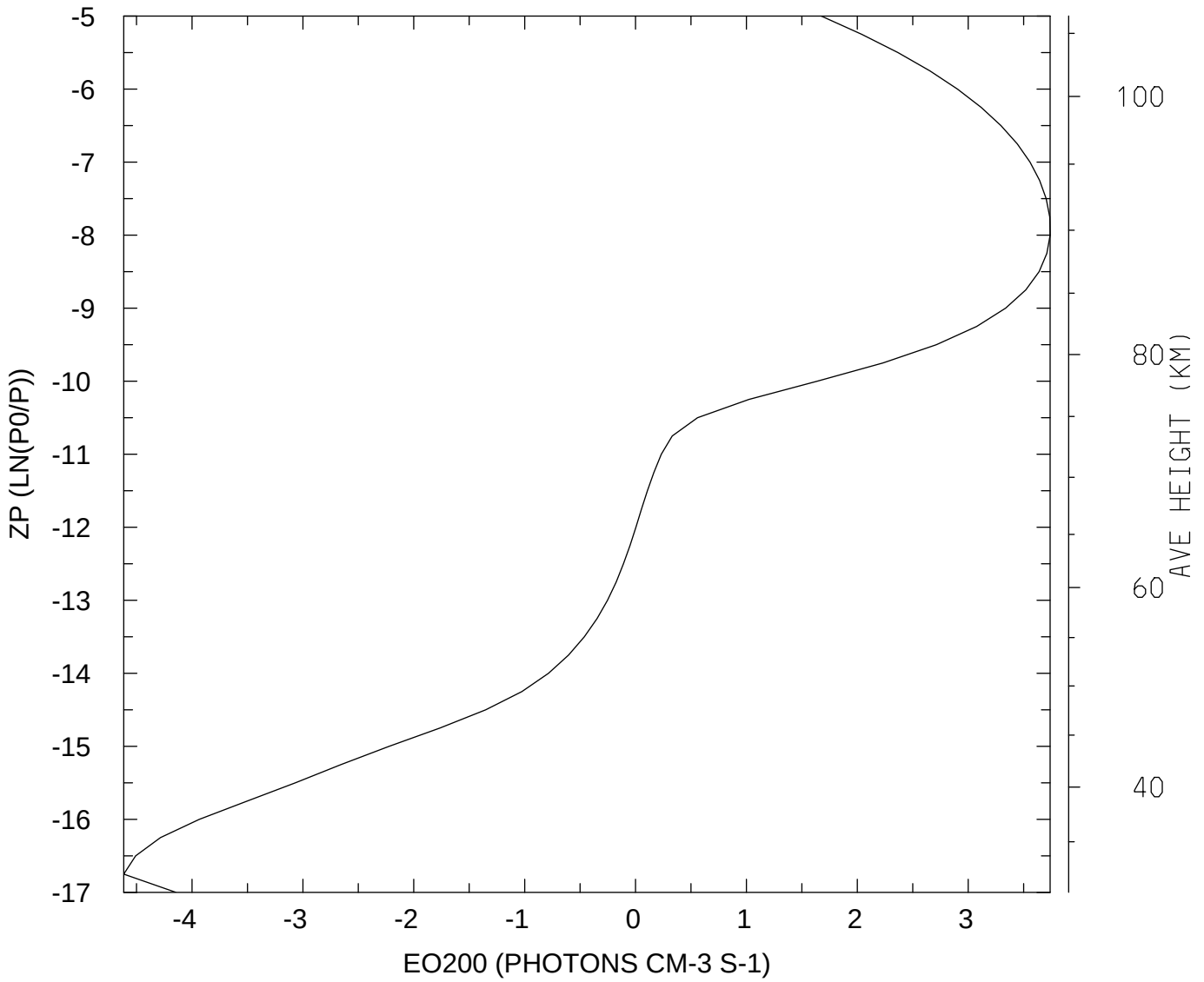


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.1431E+02 0.2150E+01
F107D = 150.00

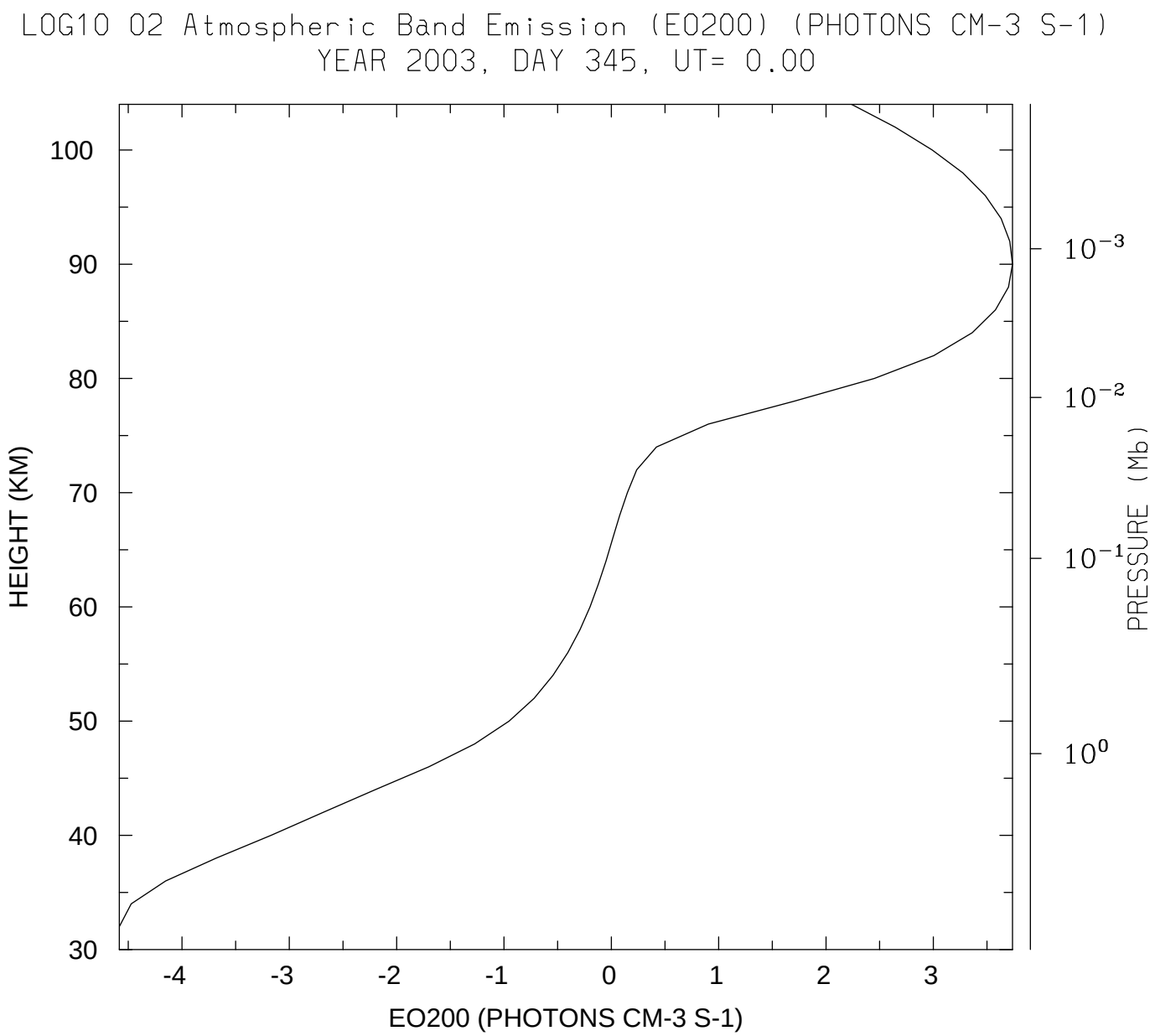


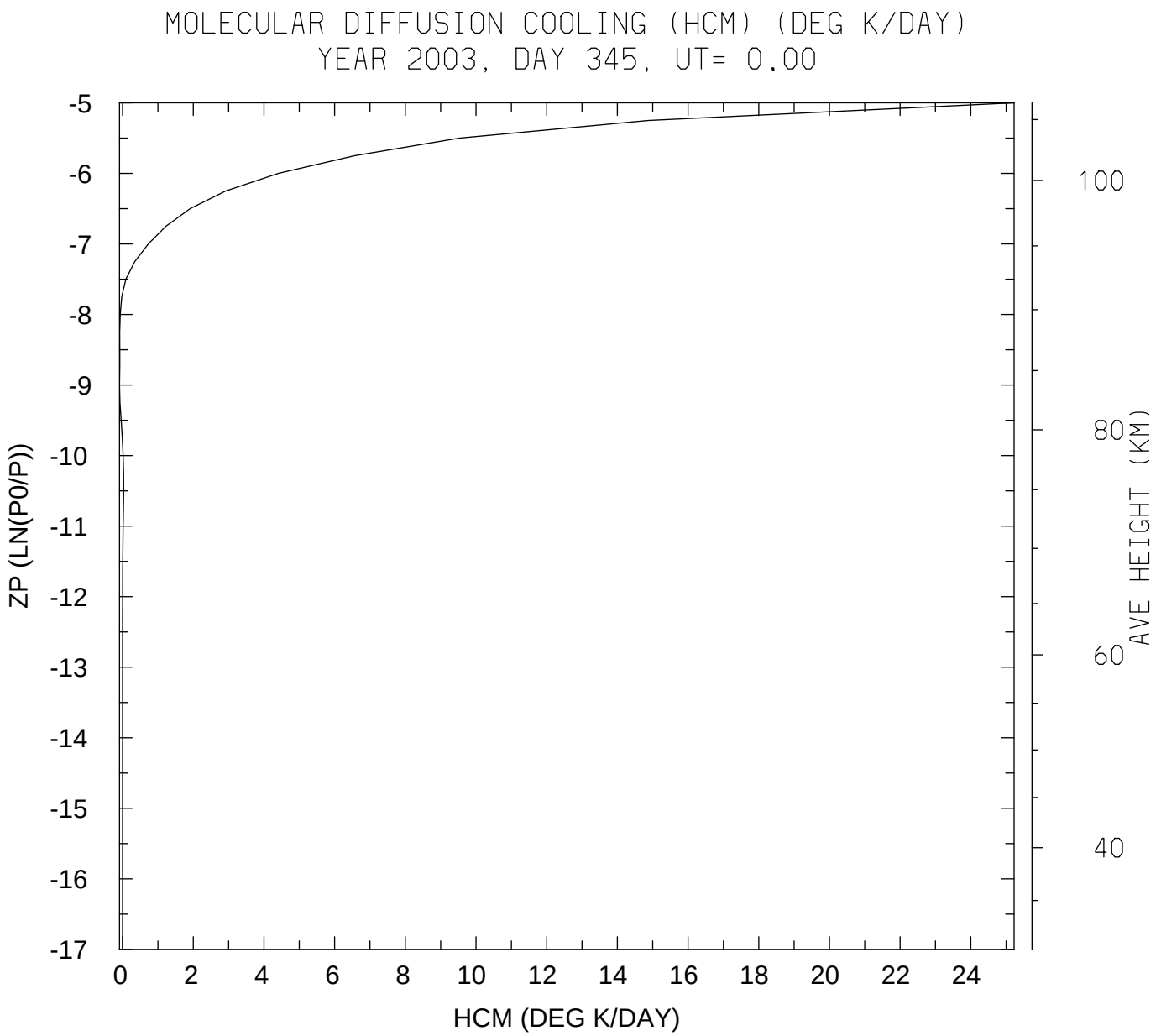
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.1427E+02 0.2146E+01
F107D = 150.00

LOG10 O2 Atmospheric Band Emission (EO200) (PHOTONS CM-3 S-1)
YEAR 2003, DAY 345, UT= 0.00

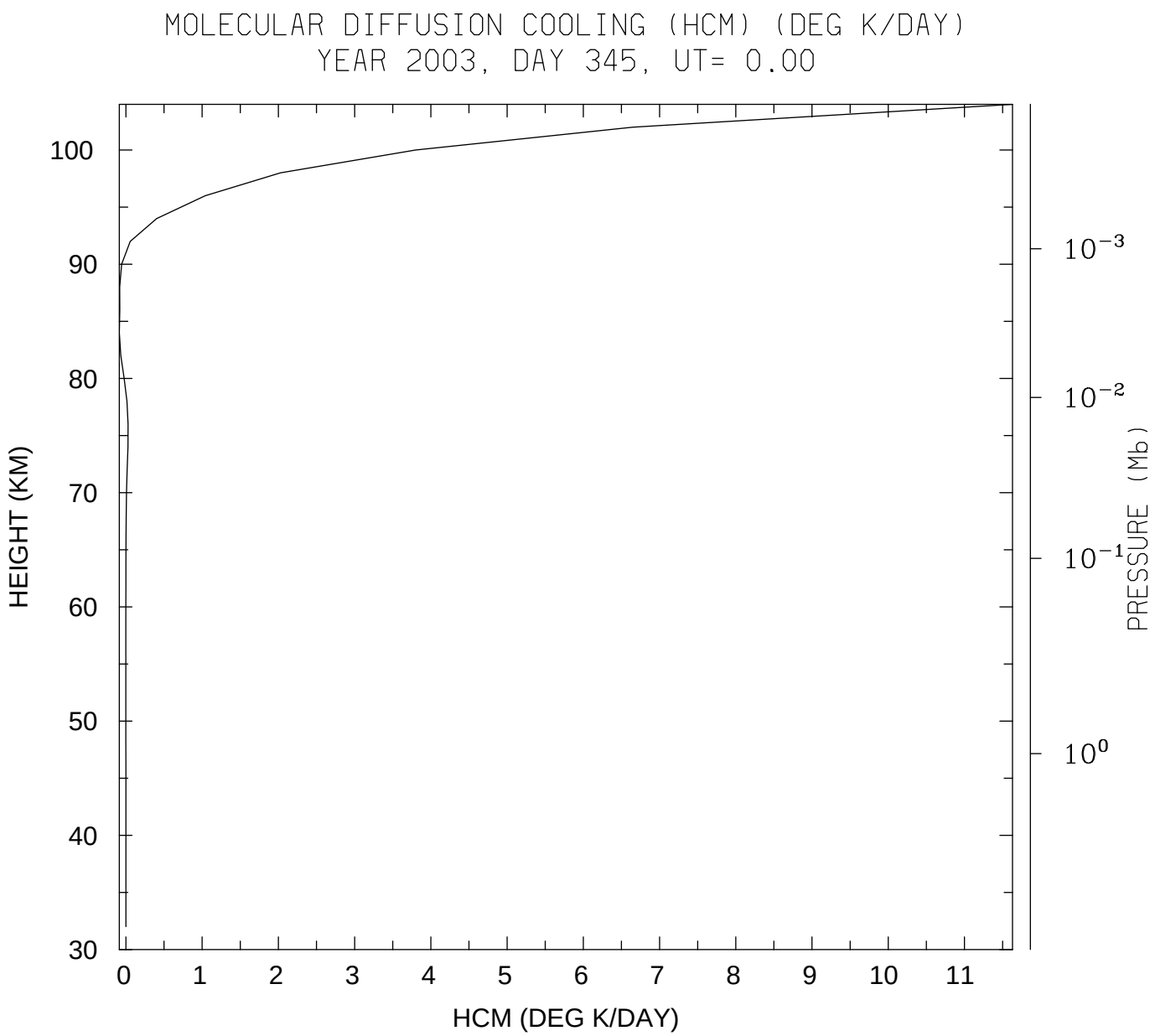


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.4616E+01 0.3739E+01
F107D = 150.00

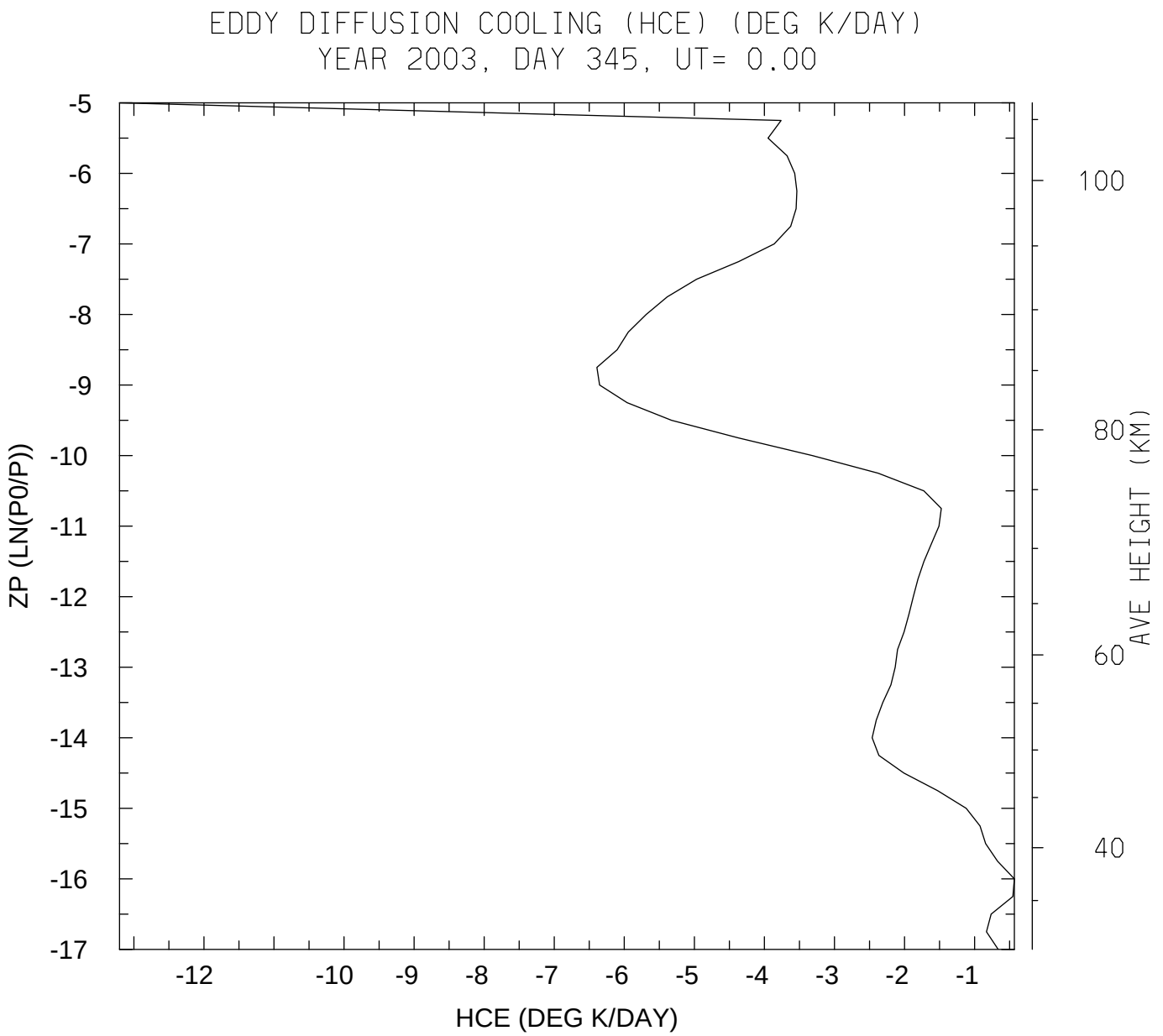

LOG10 O2 Atmospheric Band Emission (EO200) (PHOTONS CM-3 S-1)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
-4
-3
-2
-1
0
1
2
3
EO200 (PHOTONS CM-3 S-1)
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.4584E+01 0.3738E+01
F107D = 150.00



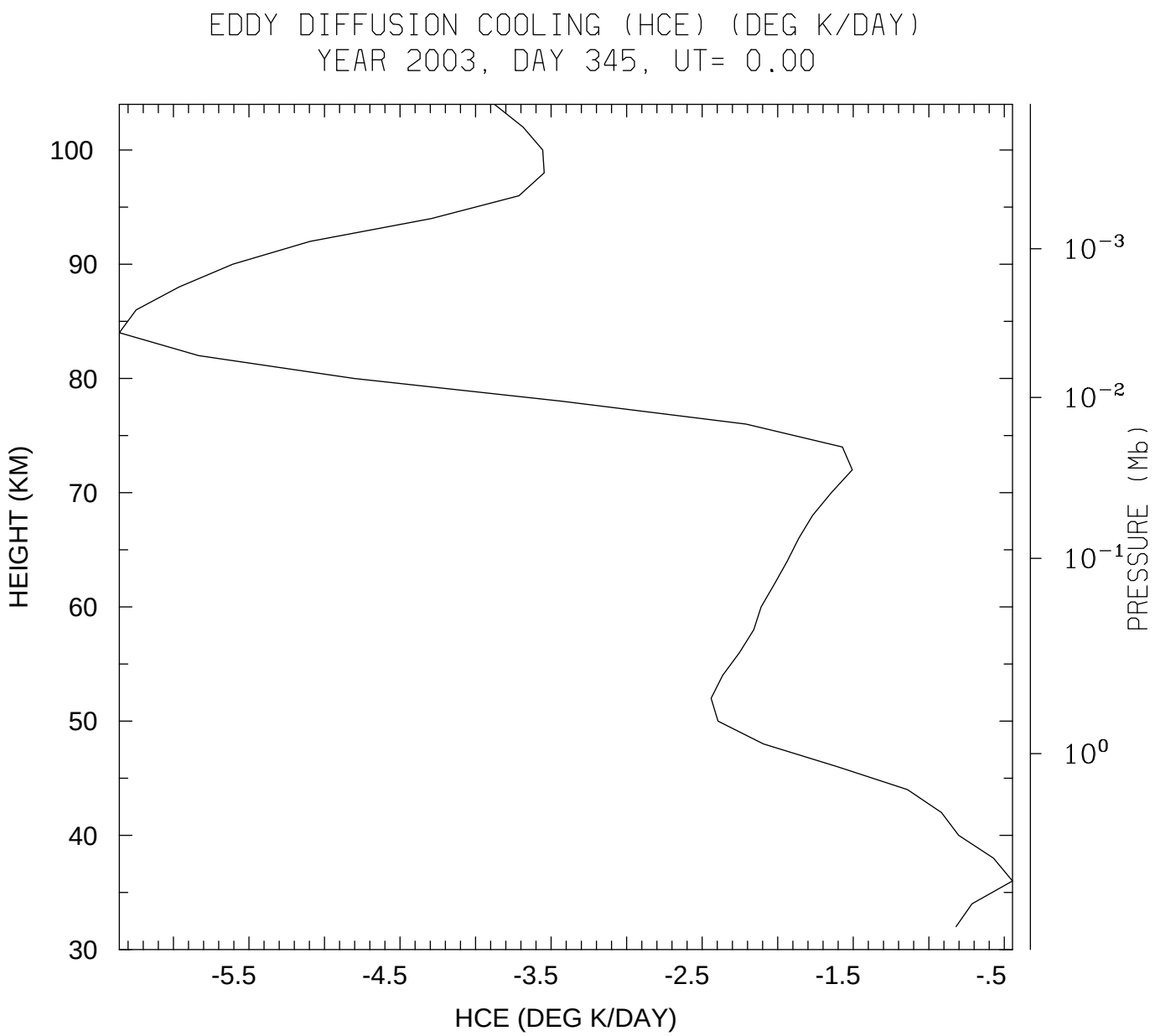
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.8791E-01 0.2523E+02
F107D = 150.00



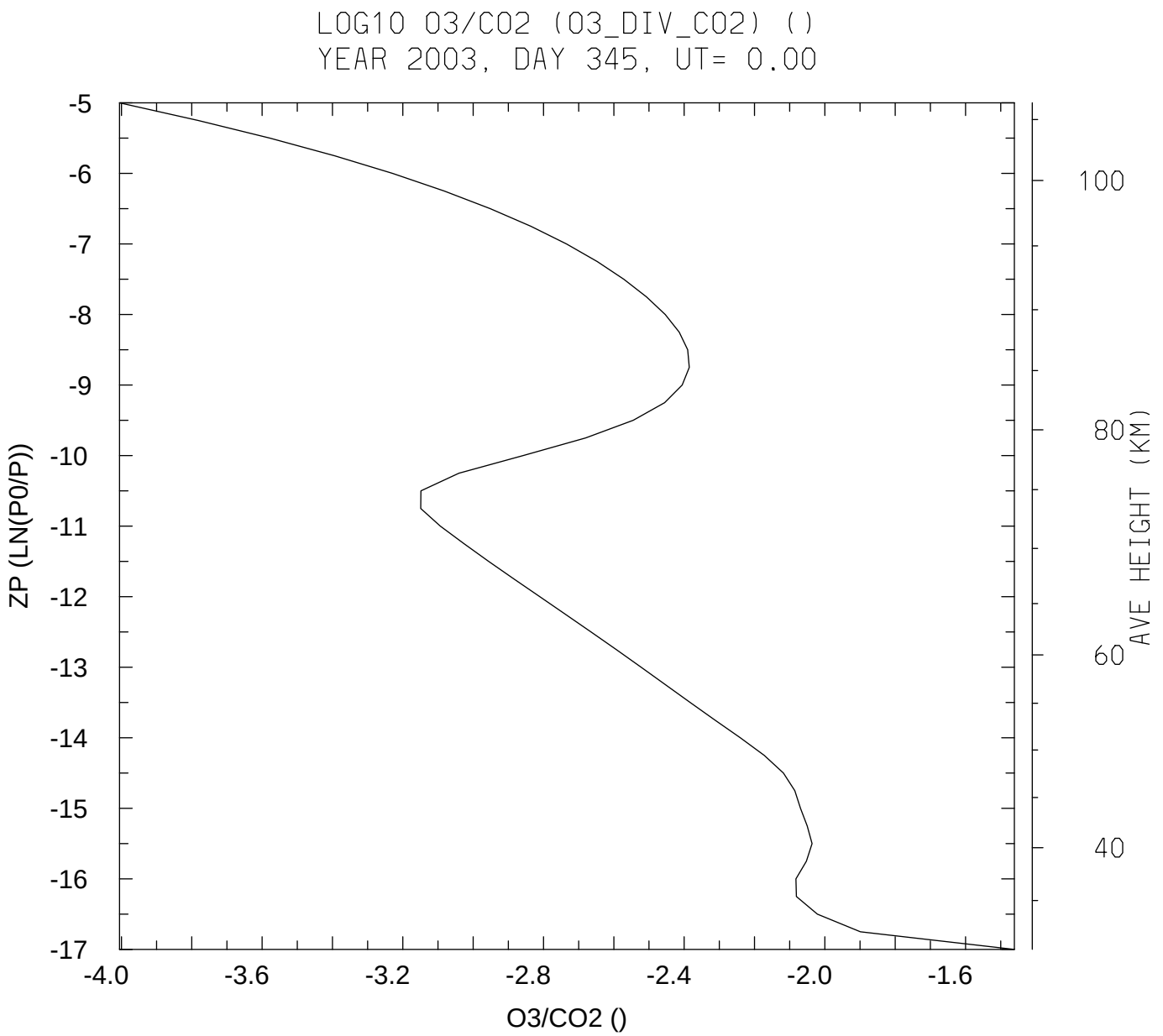
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.8689E-01 0.1163E+02
F107D = 150.00



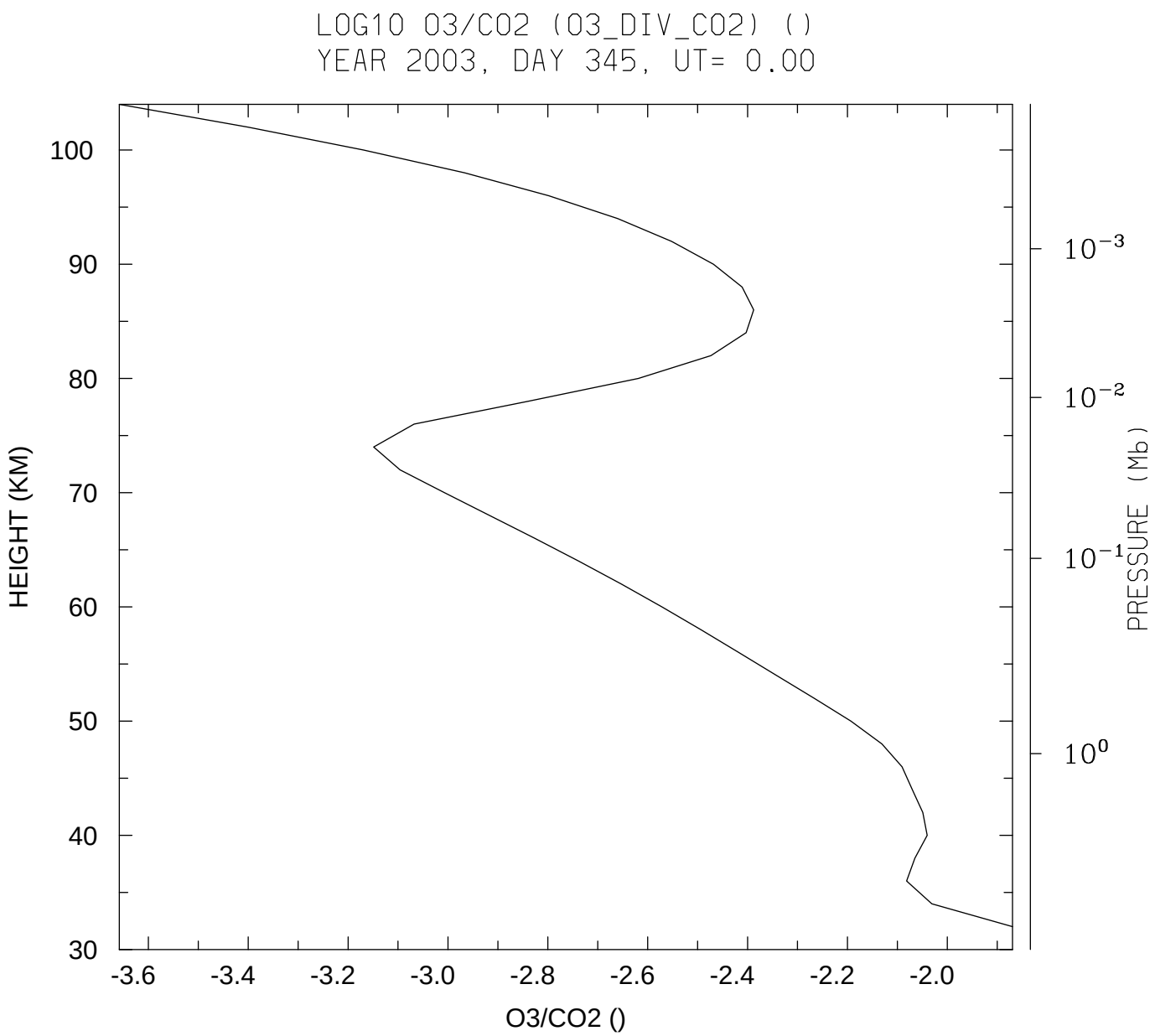
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.1320E+02 -0.4320E+00
F107D = 150.00



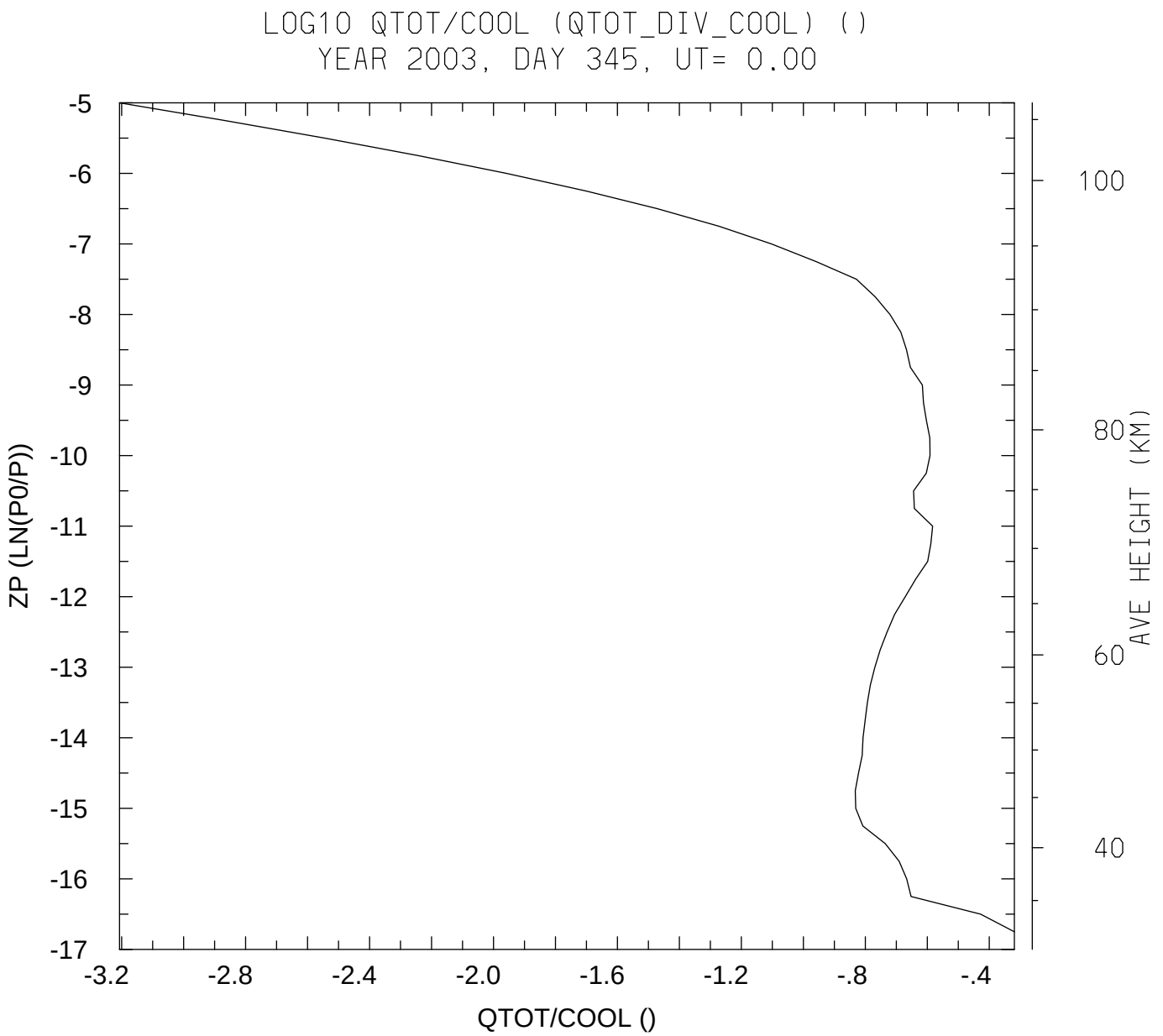
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.6358E+01 -0.4458E+00
F107D = 150.00



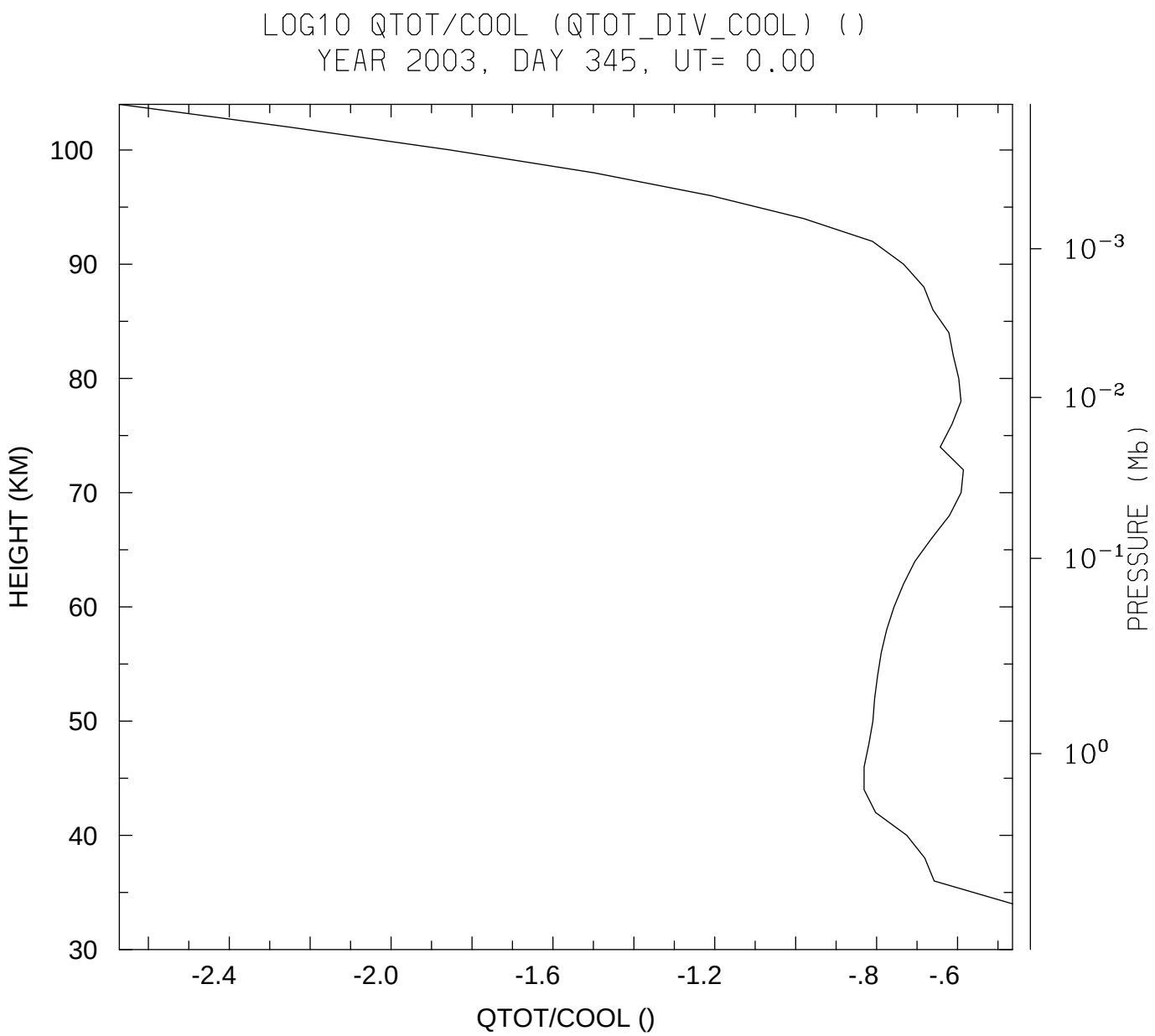
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.4006E+01 -0.1461E+01
F107D = 150.00



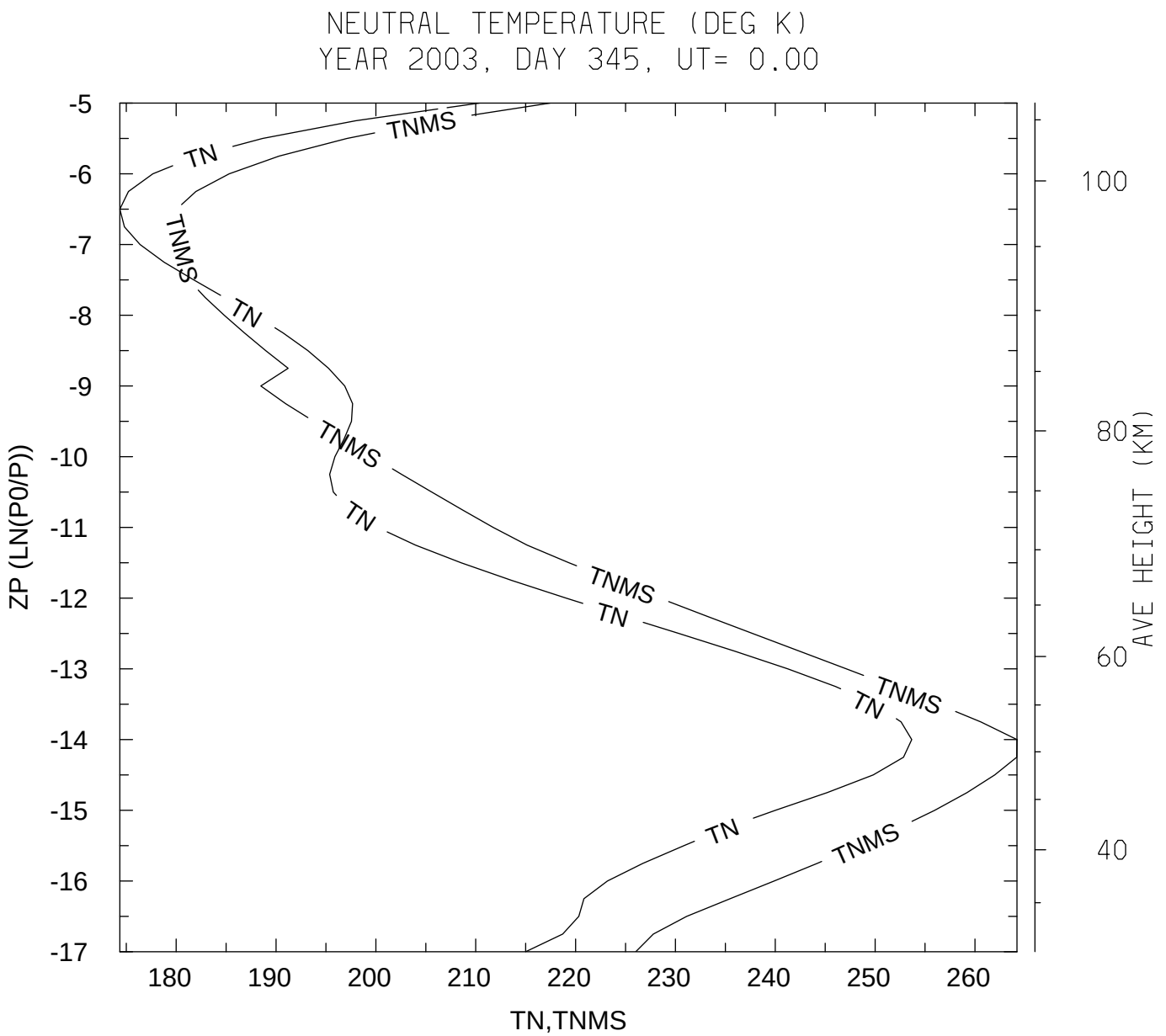
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.3658E+01 -0.1869E+01
F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = NaN -0.3189E+00
F107D = 150.00

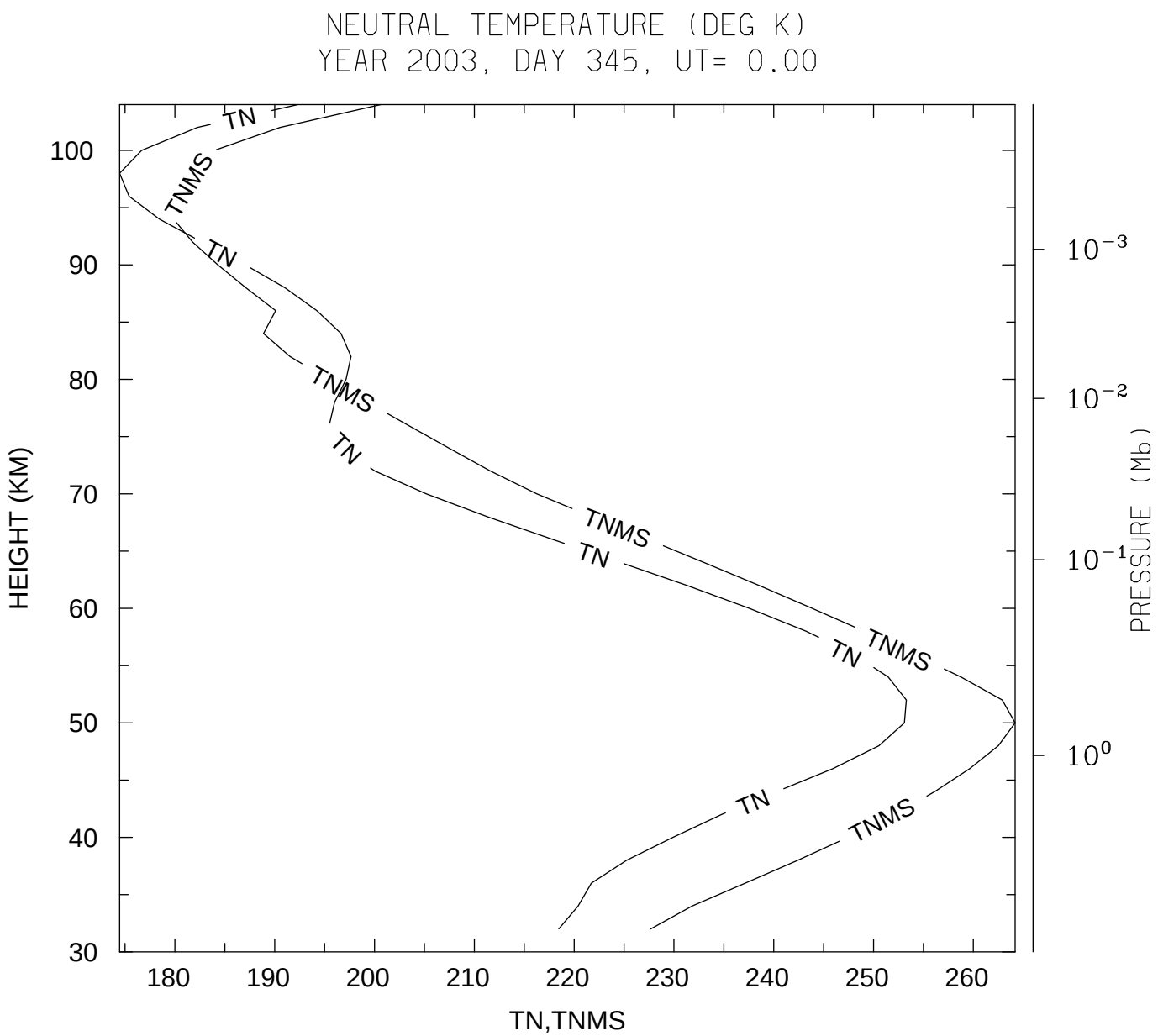


FILE: ROBLE.glbmsm.co2.dc.720_001.nc
MIN,MAX = -0.2672E+01 -0.4640E+00
F107D = 150.00



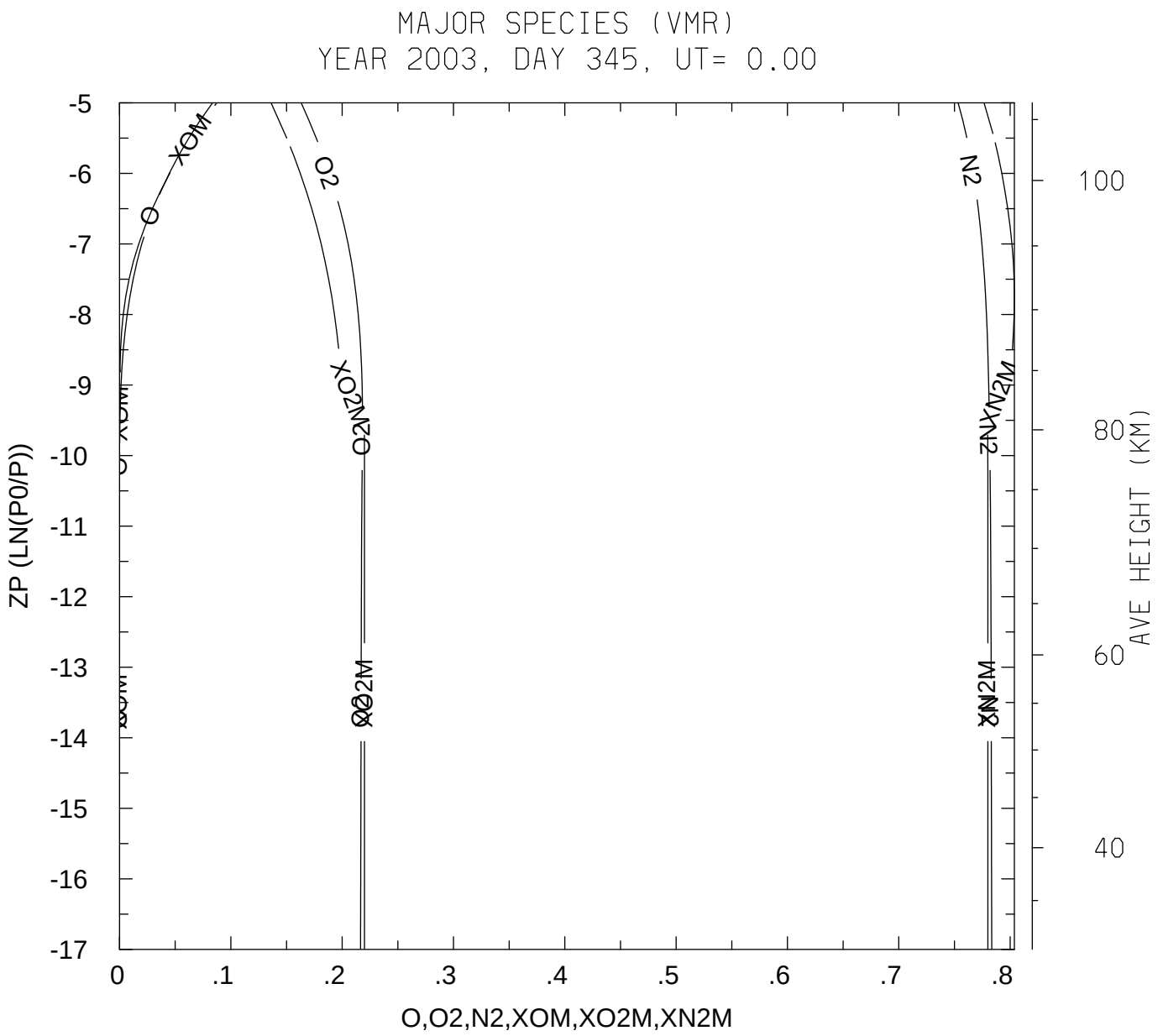
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



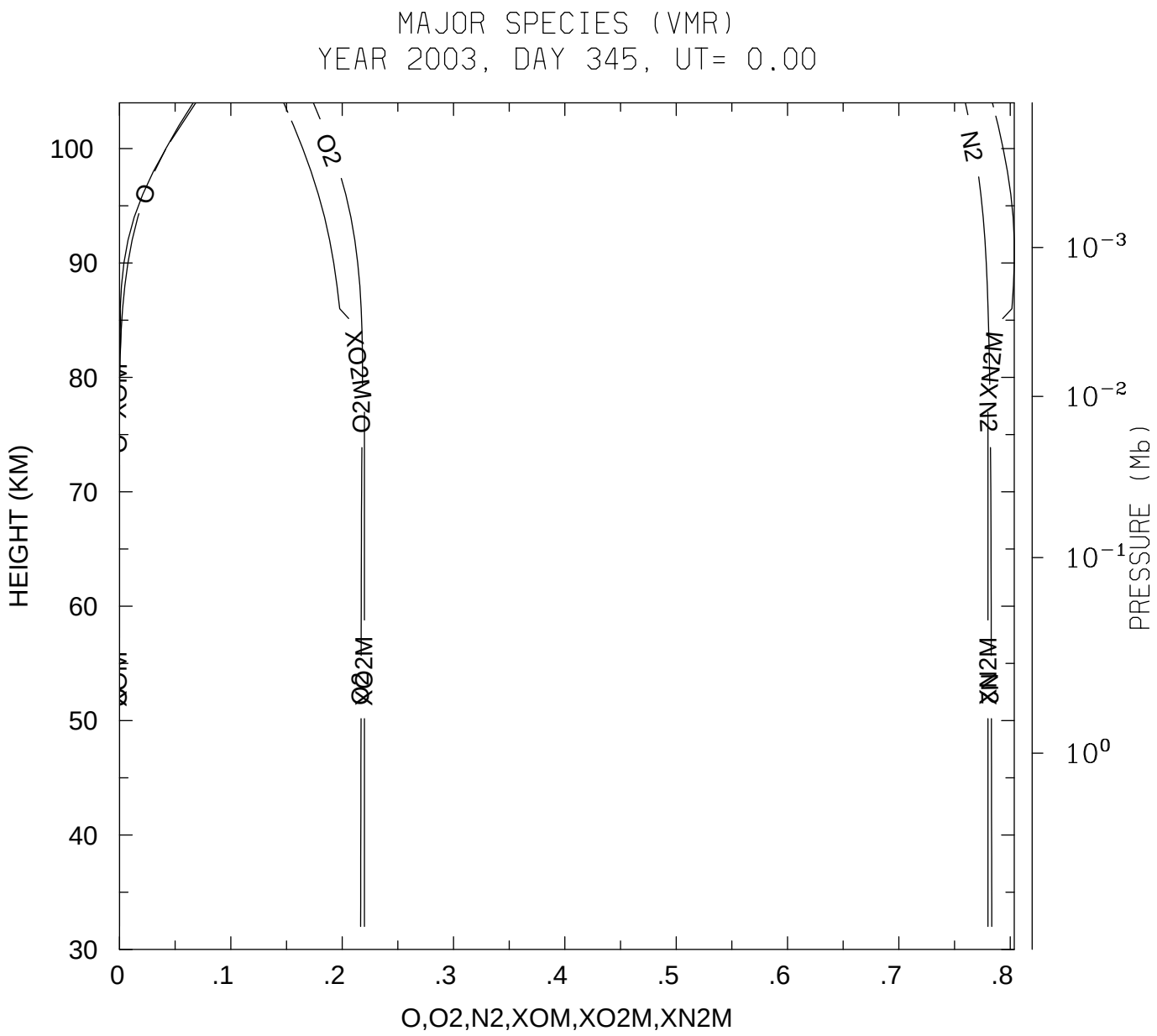
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

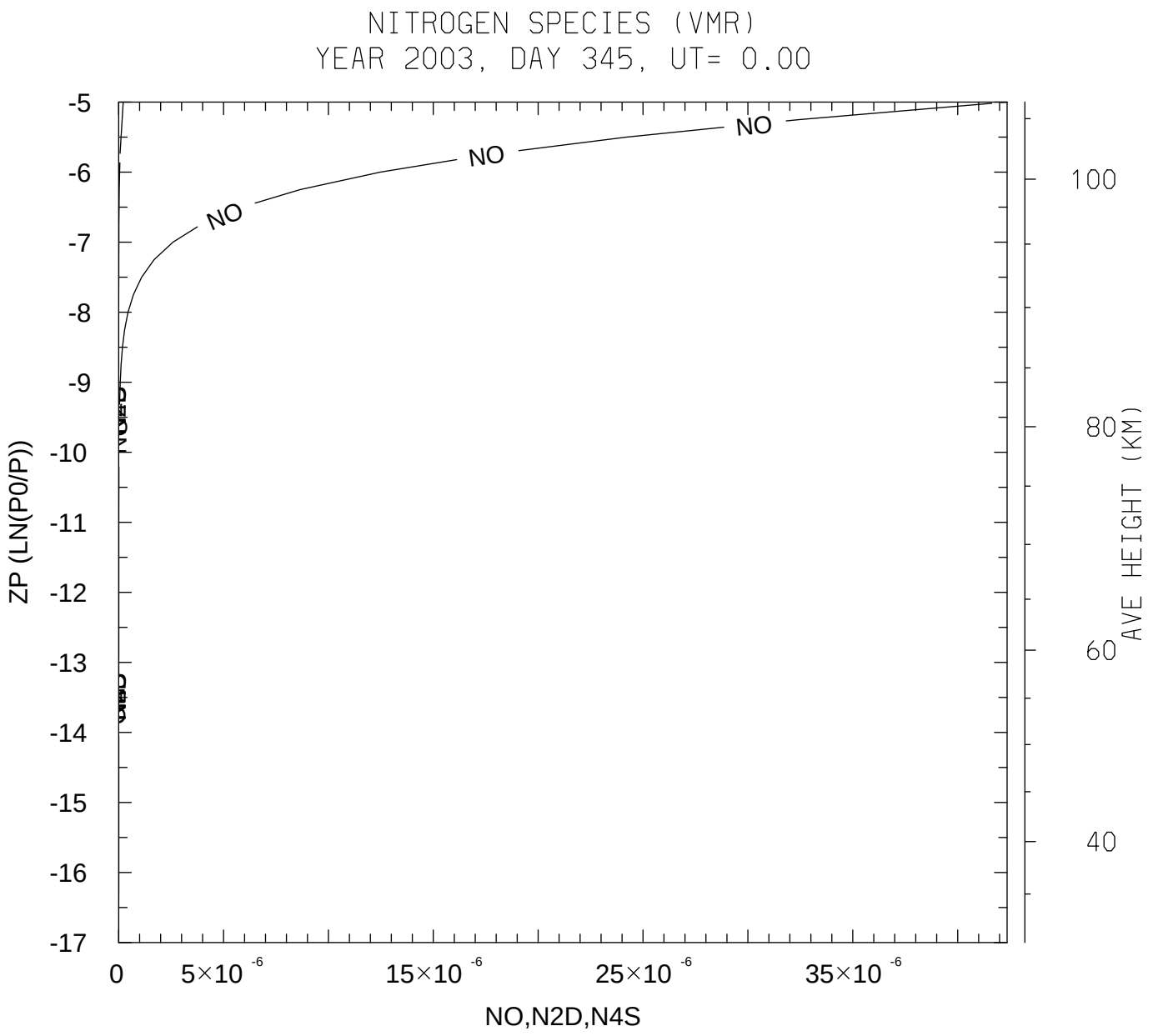
F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc

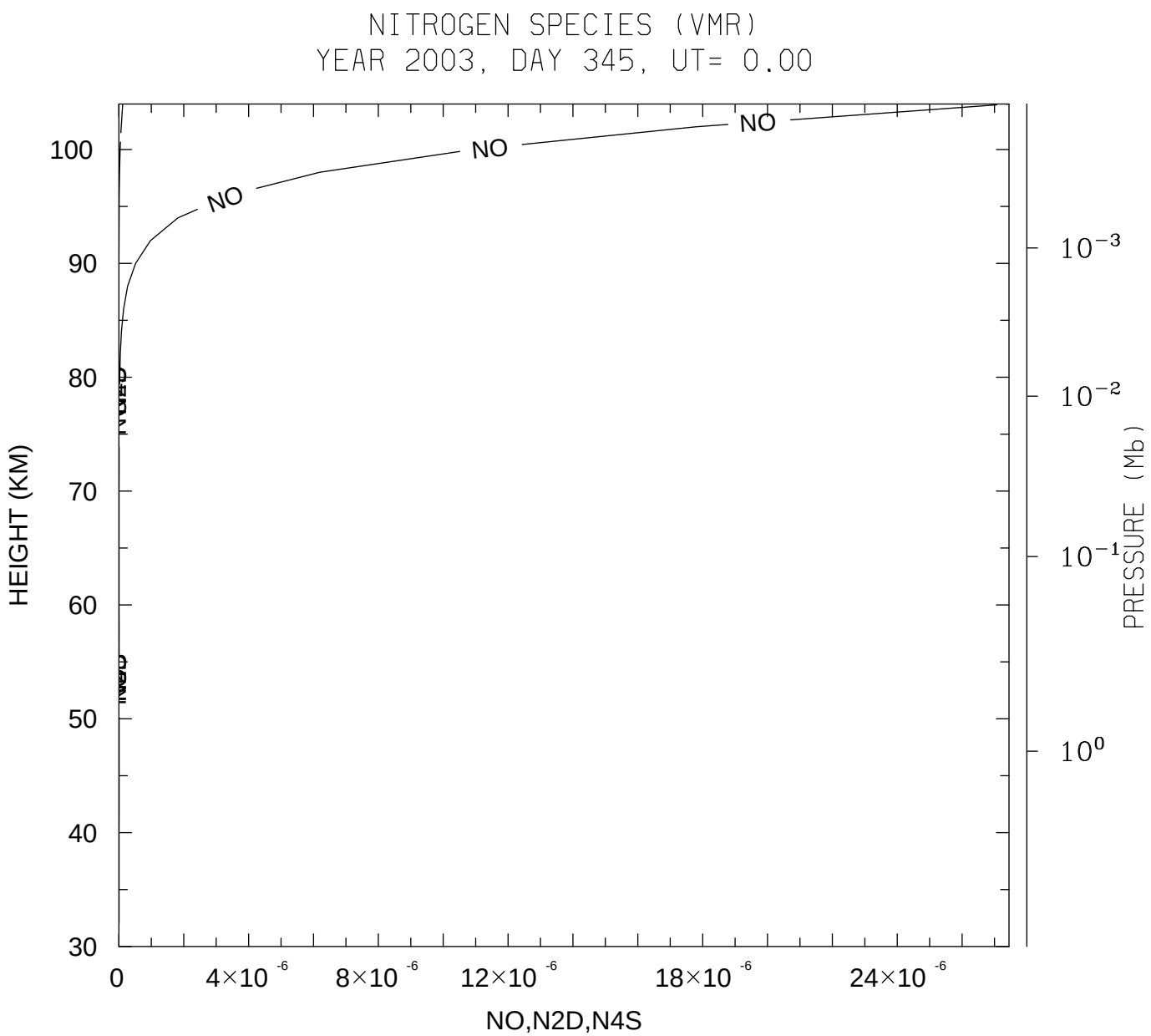
F107D = 150.00


MAJOR SPECIES (VMR)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
0
.1
.2
.3
.4
.5
.6
.7
.8
O,O2,N2,XOM,XO2M,XN2M
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
O
O2
N2
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00



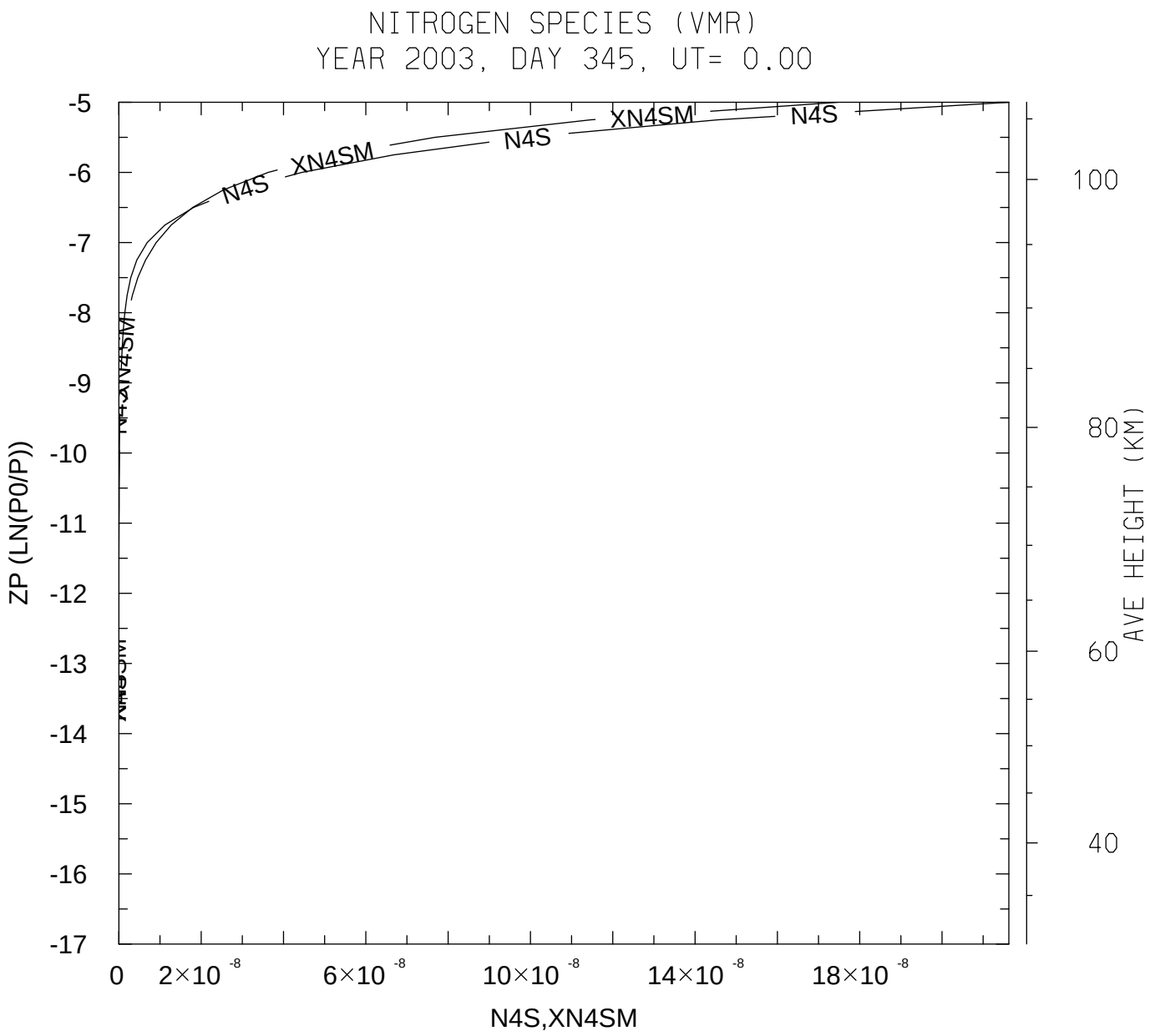
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



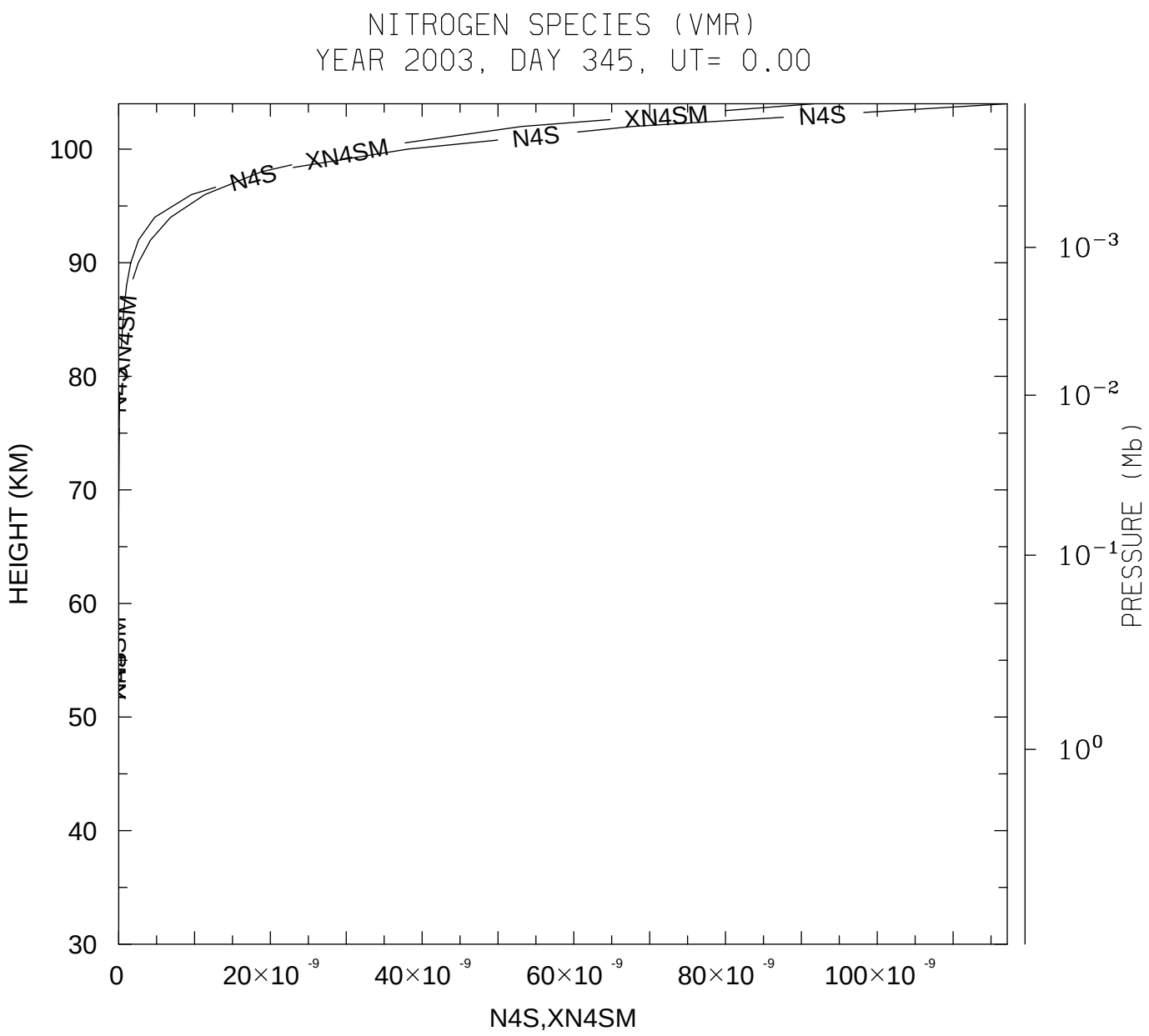
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

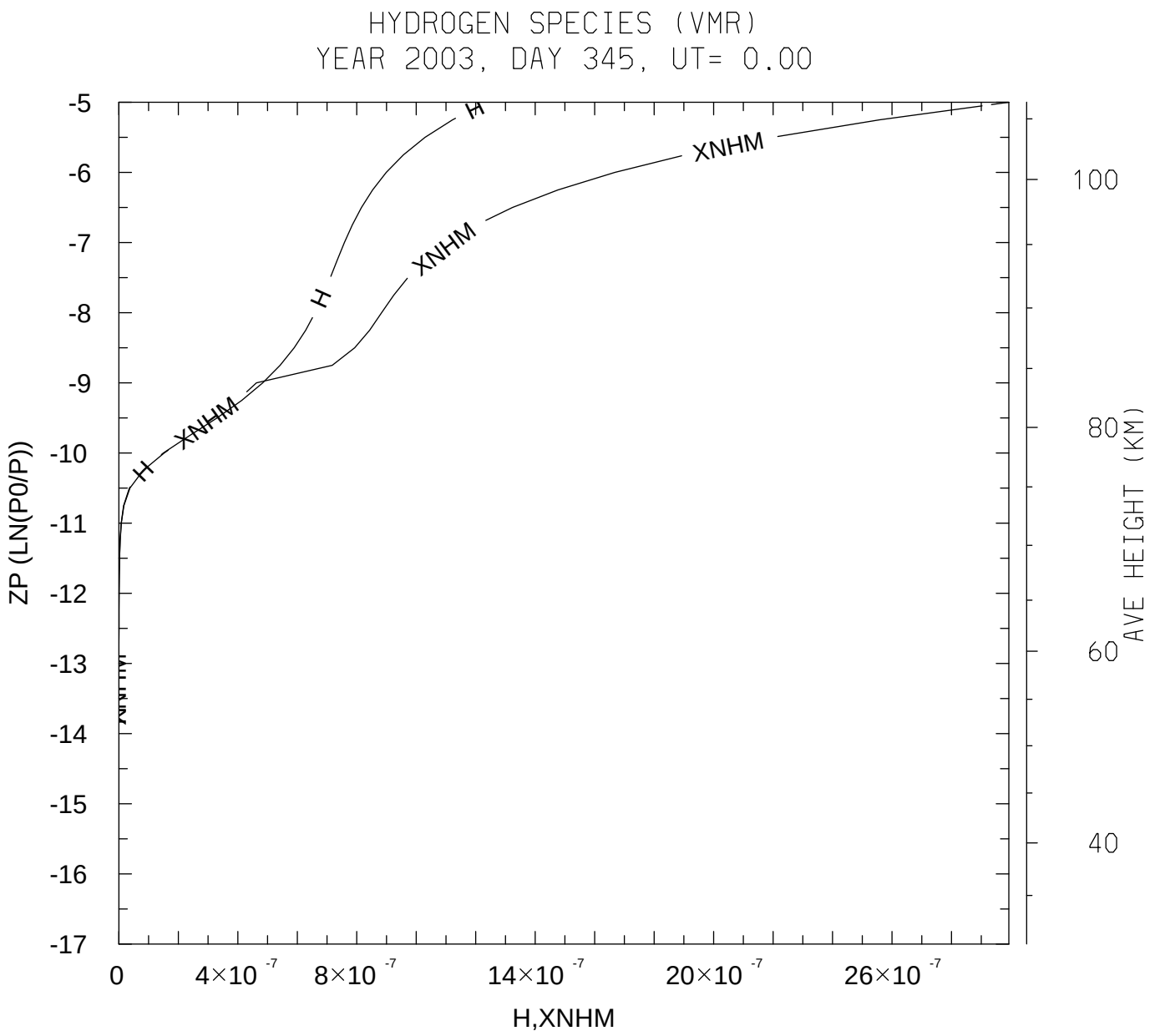
F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc

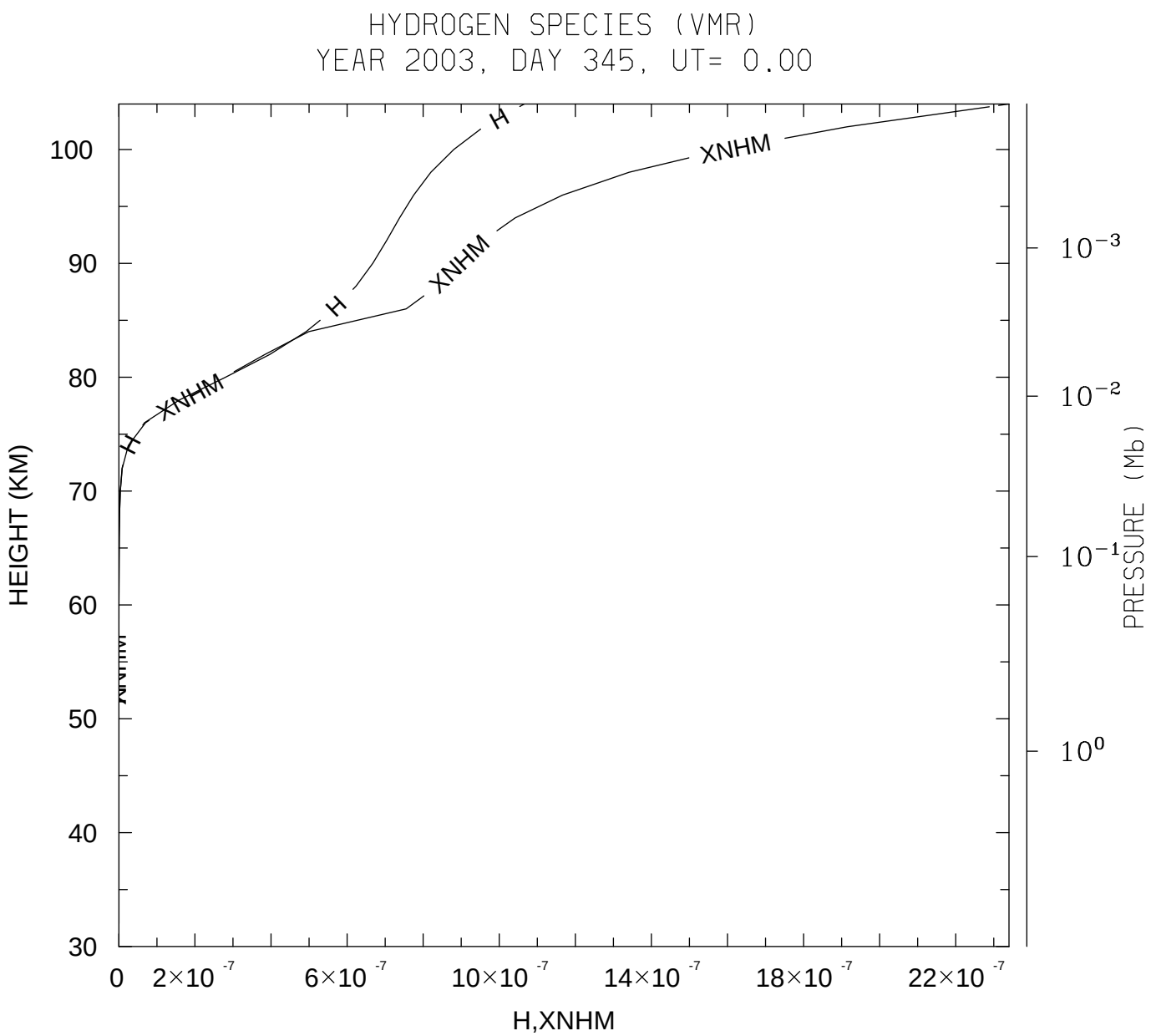
F107D = 150.00


NITROGEN SPECIES (VMR)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
N4S
XN4SM
N4S
XN4SM
N4S
XN4SM
N4S
XN4SM
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
0
20×10^{-9}
40×10^{-9}
60×10^{-9}
80×10^{-9}
100×10^{-9}
N4S,XN4SM
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00



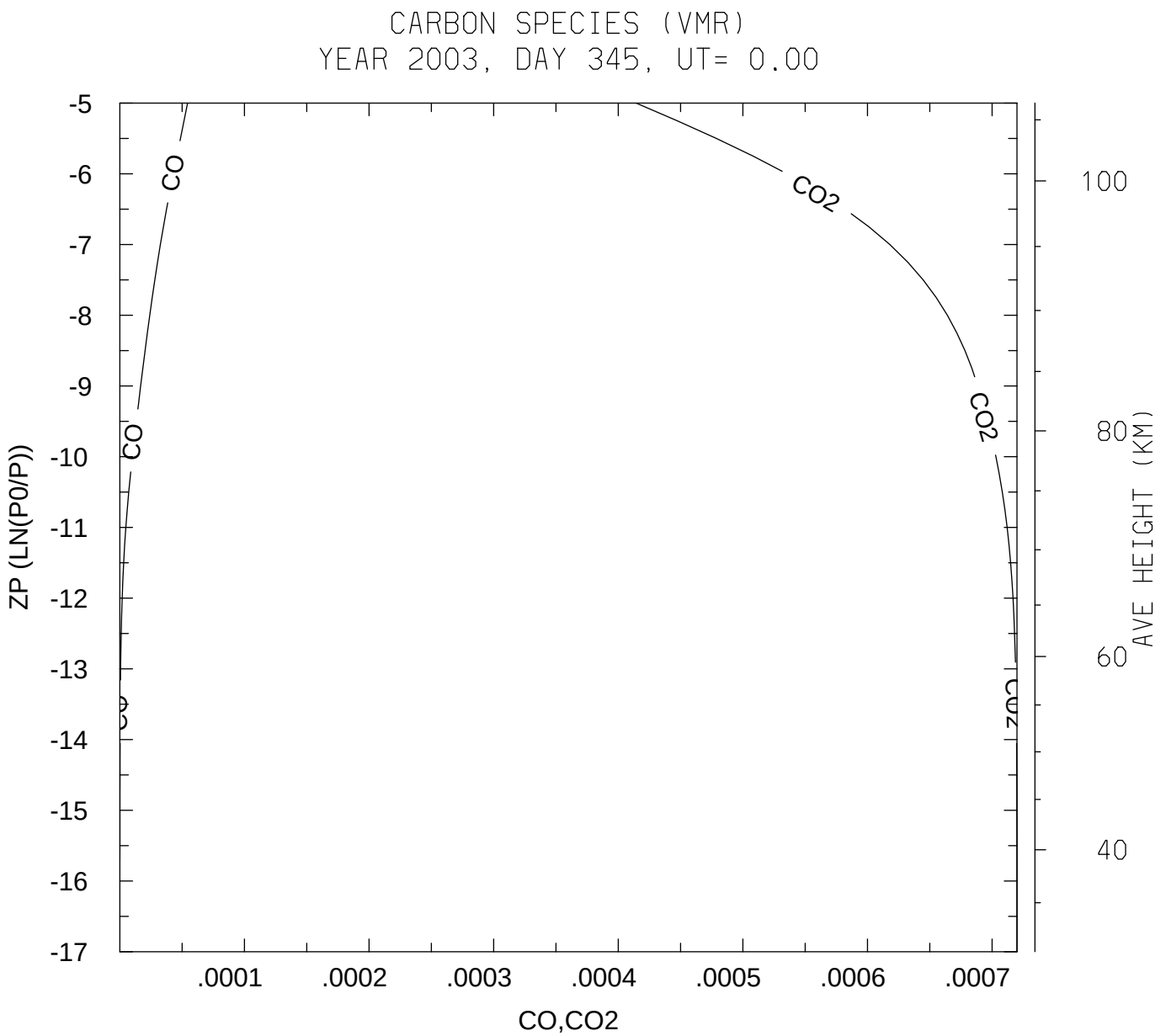
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



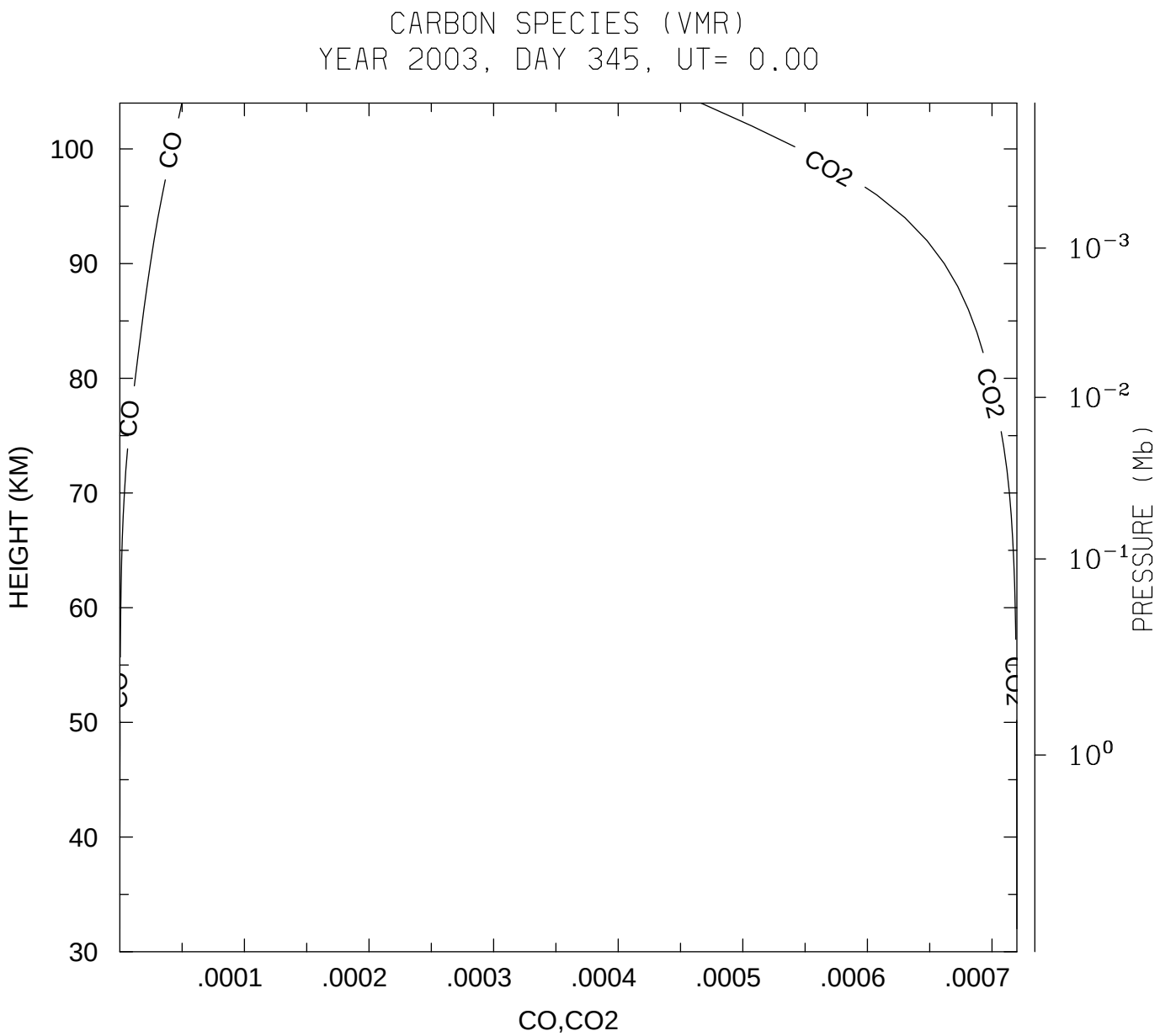
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



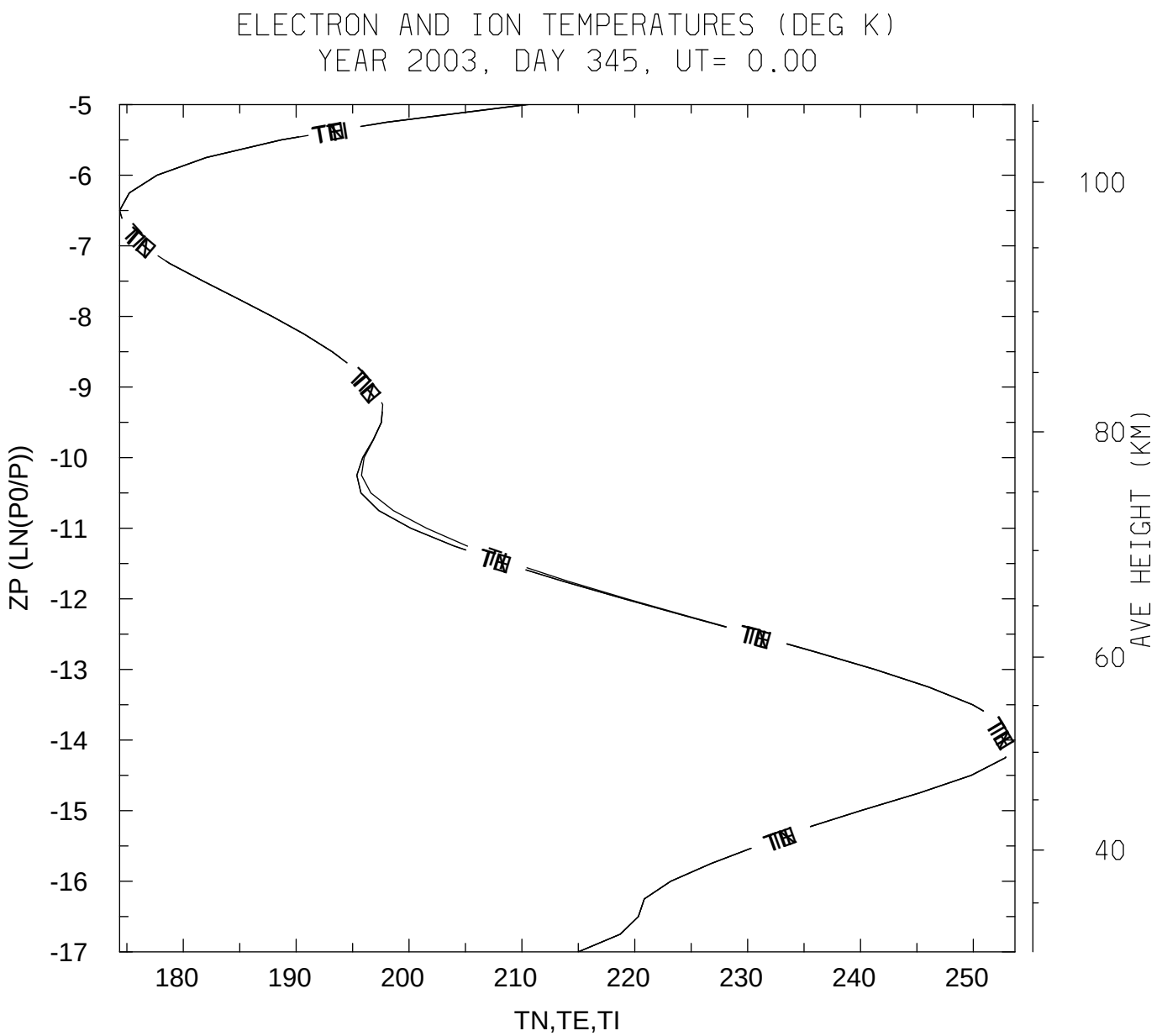
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



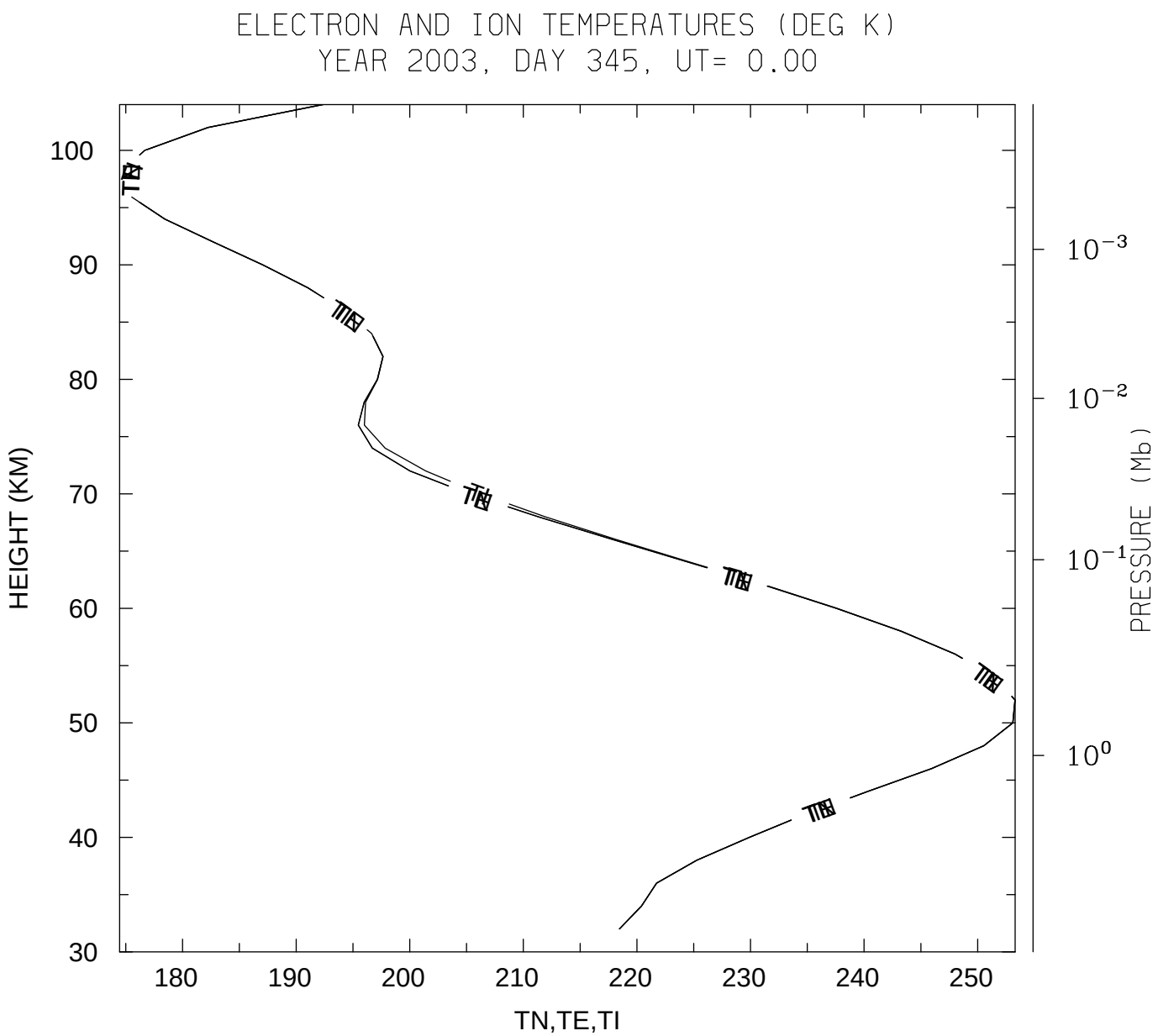
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



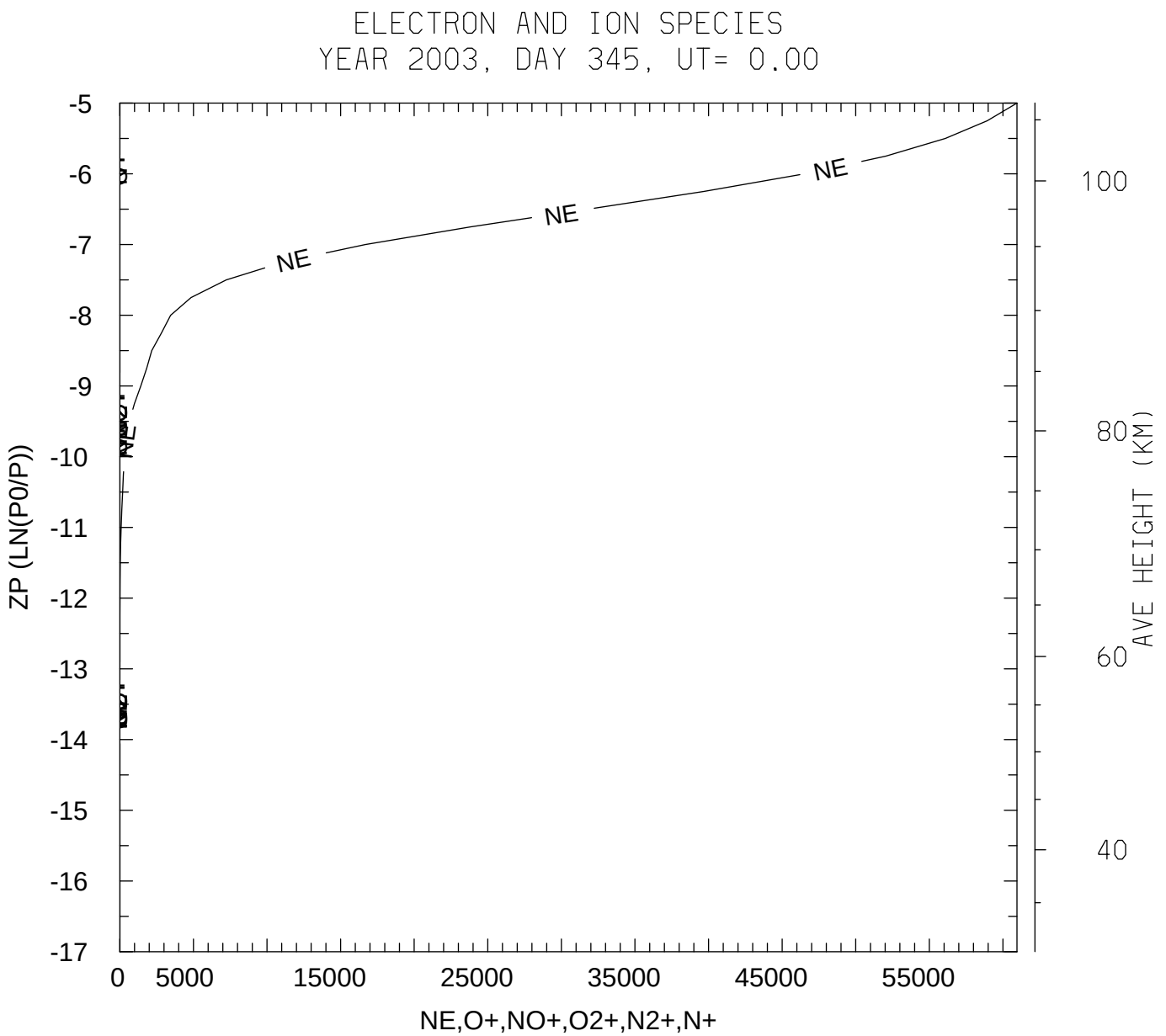
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



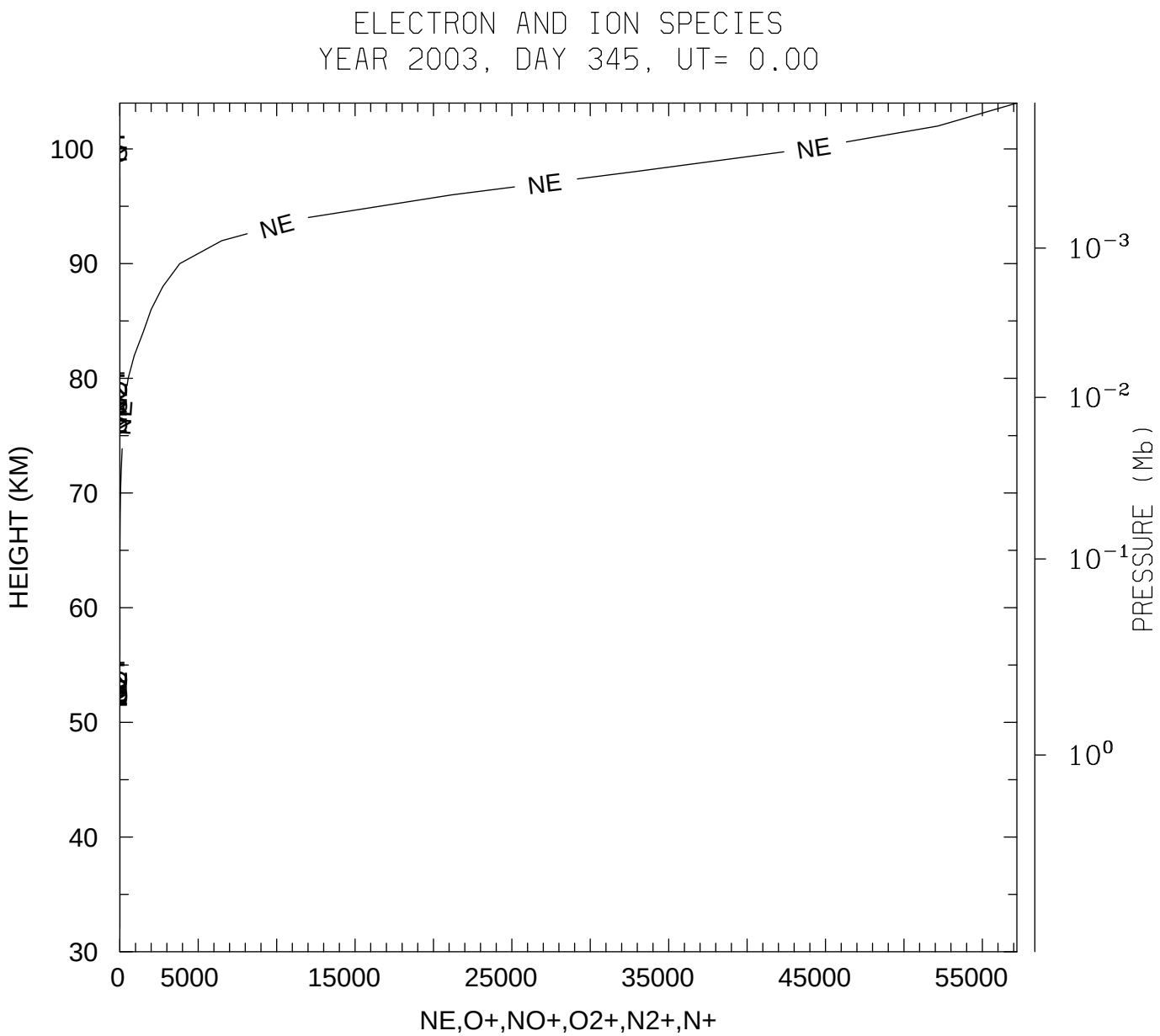
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



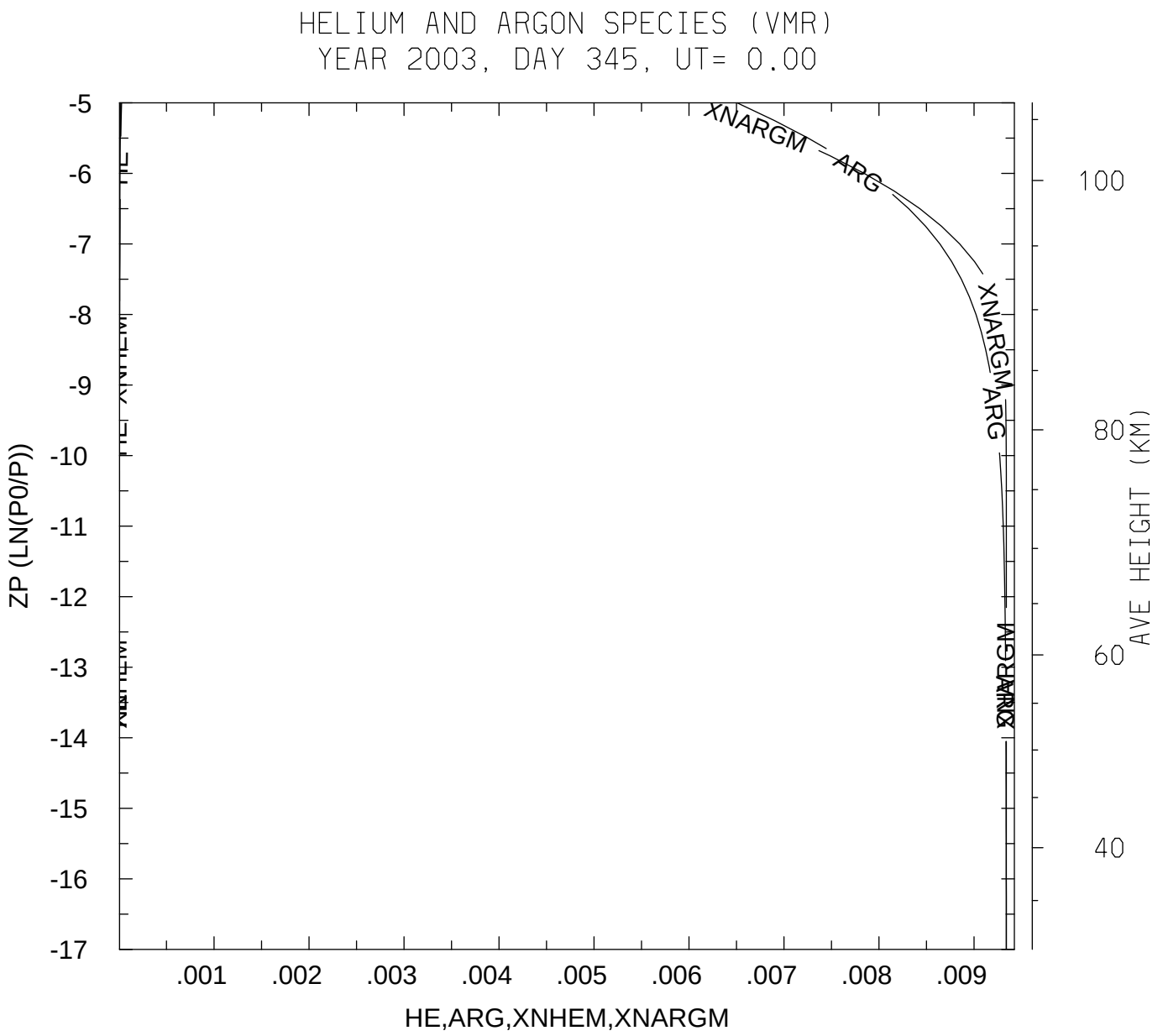
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



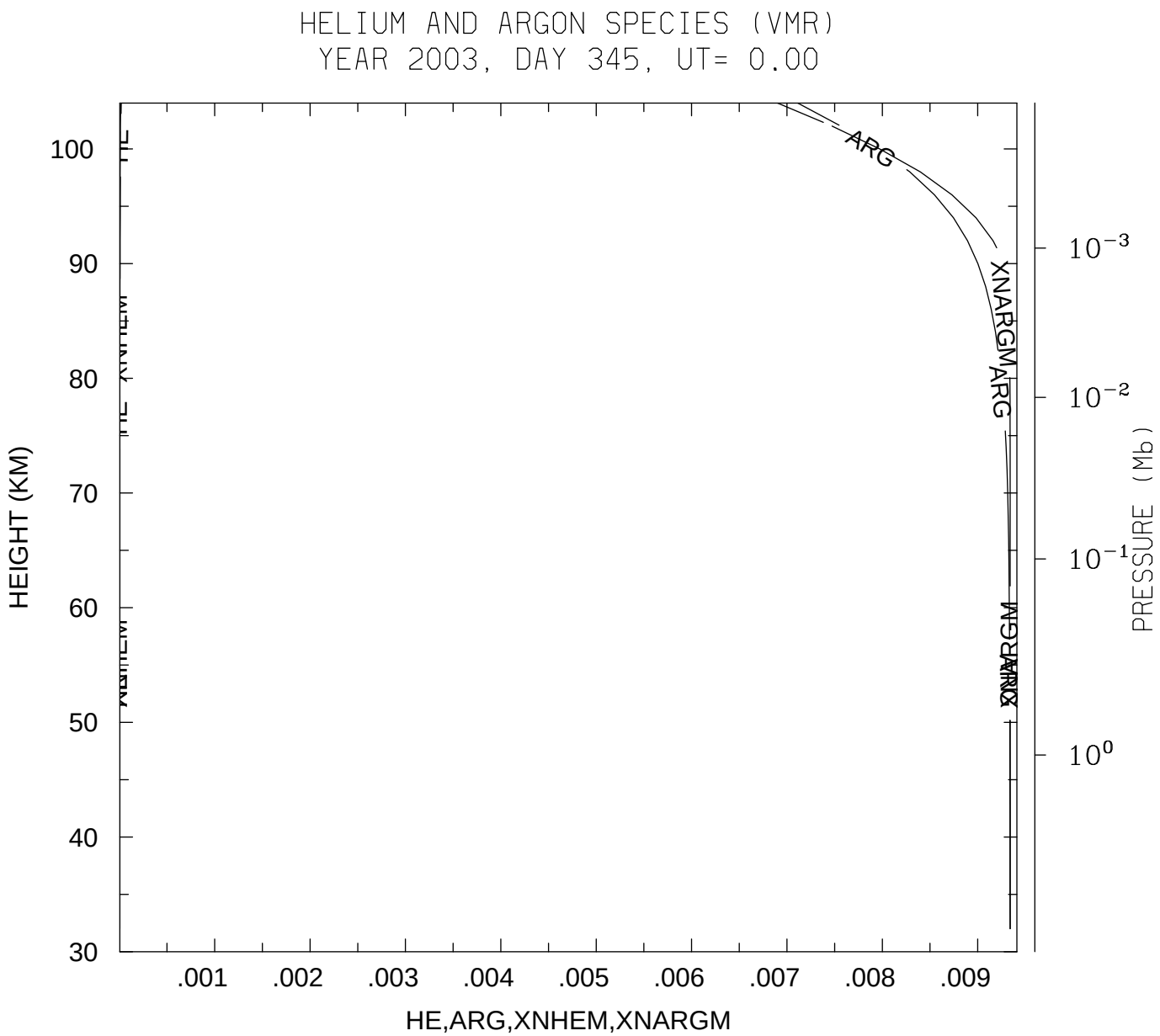
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



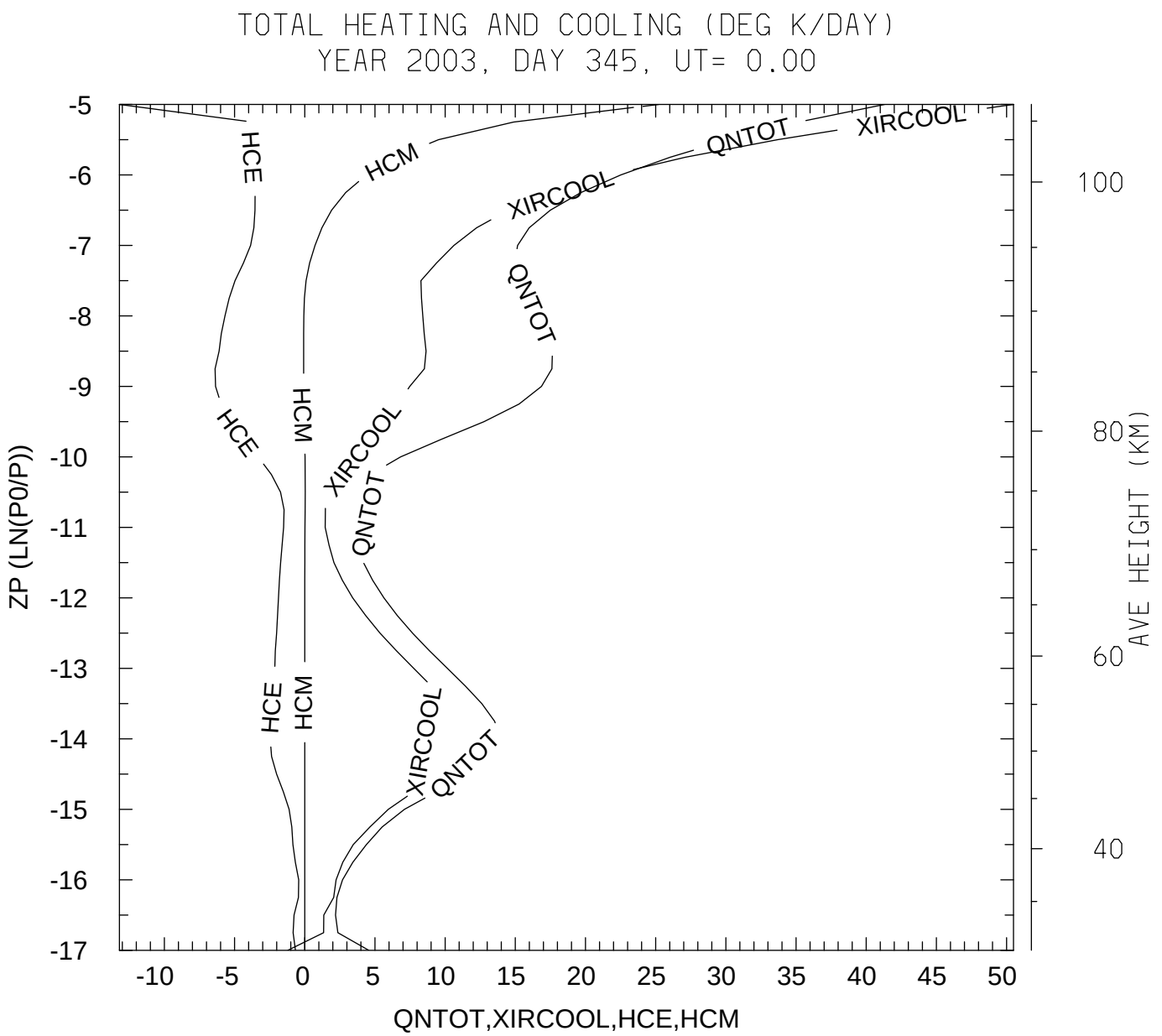
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



FILE: ROBLE.glbmsm.co2.dc.720_001.nc

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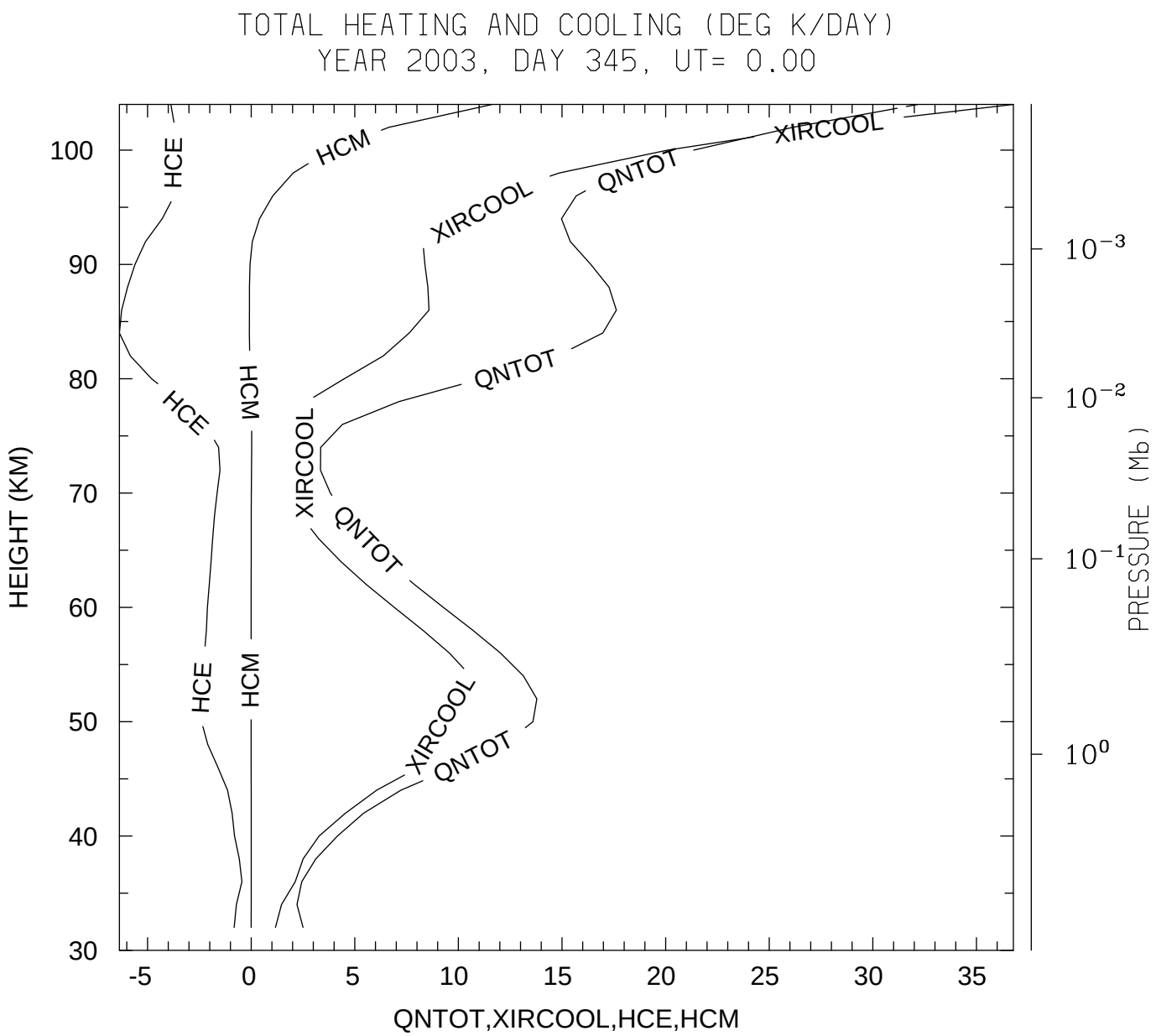
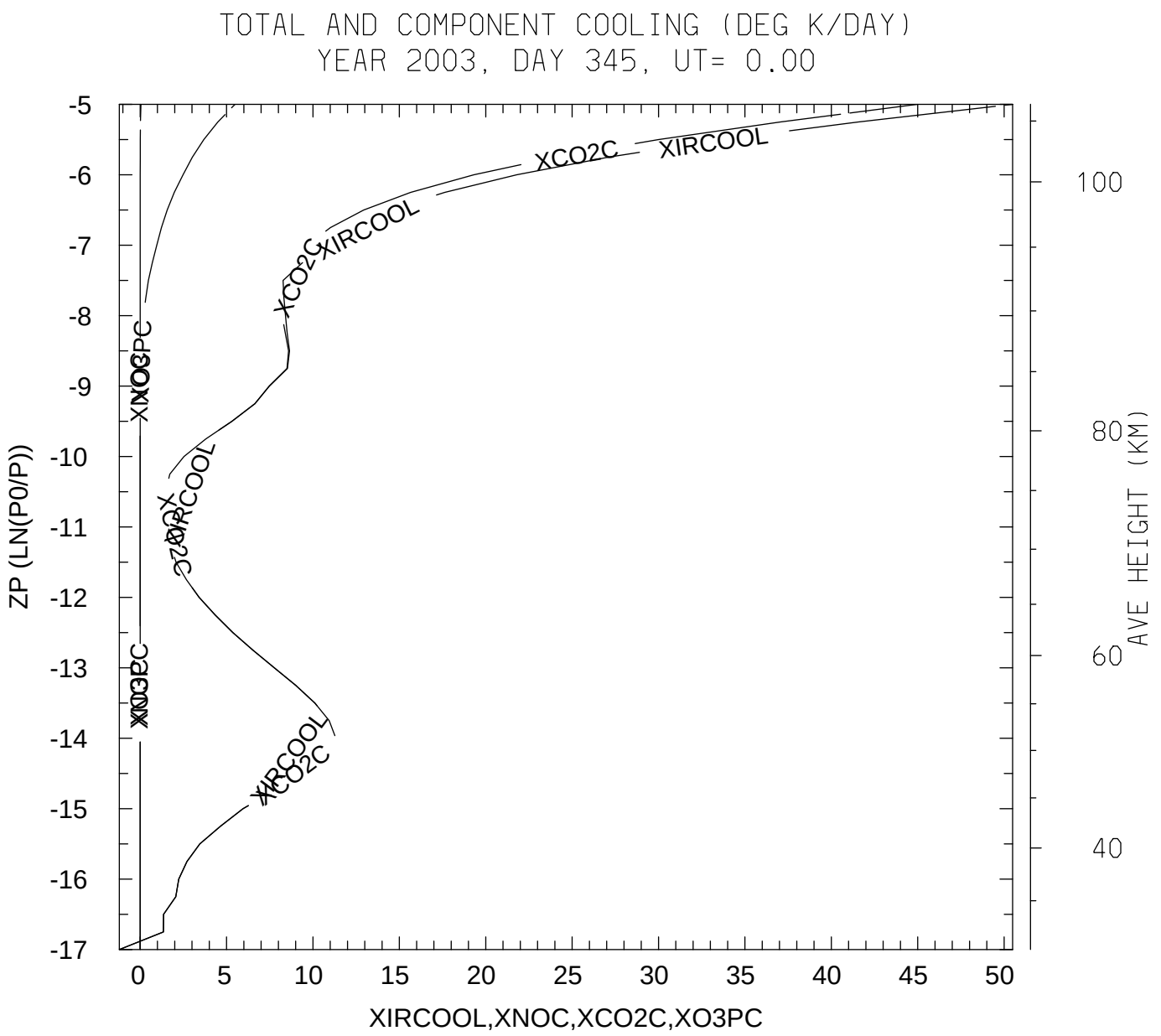


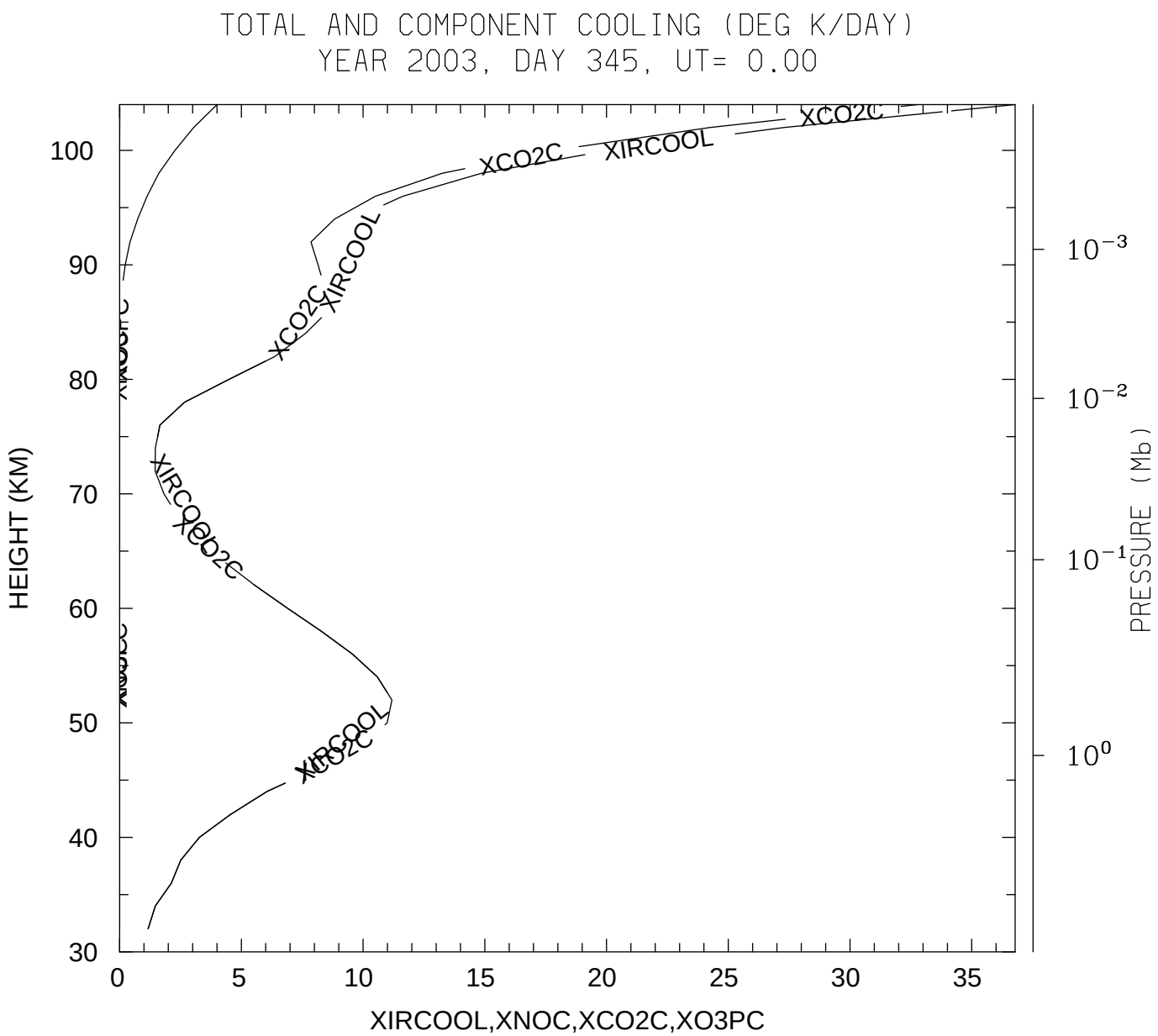
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



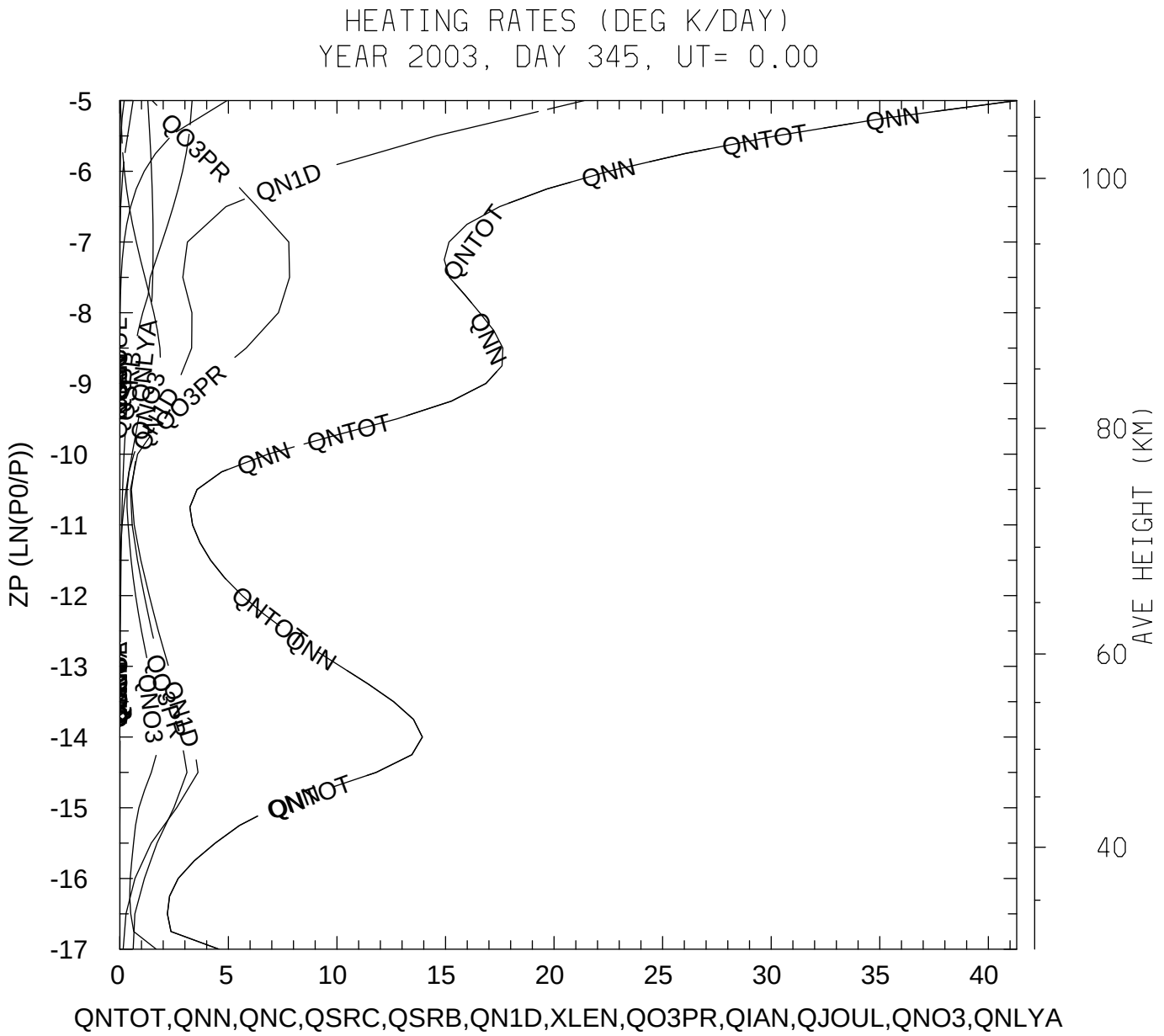
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

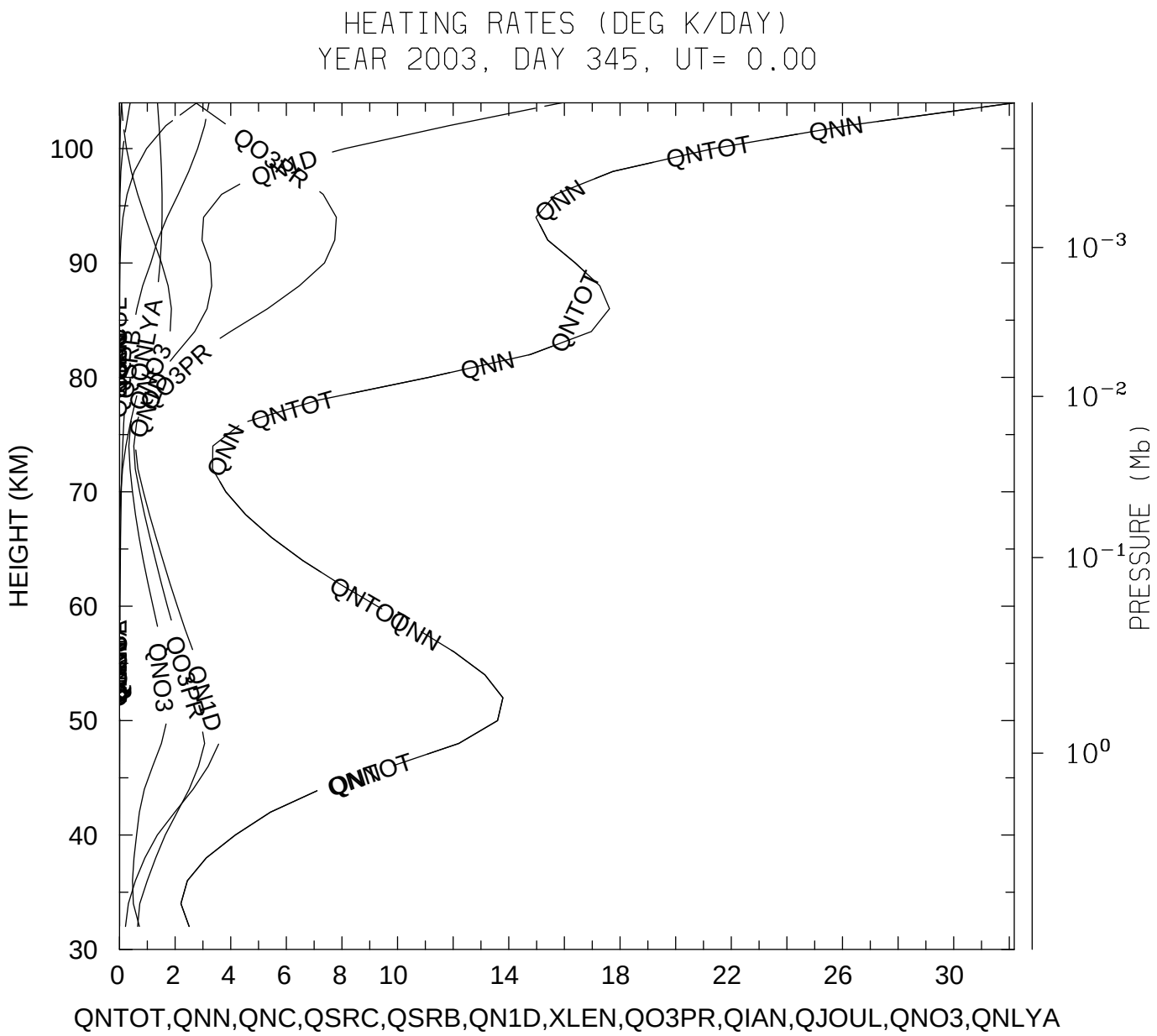
F107D = 150.00

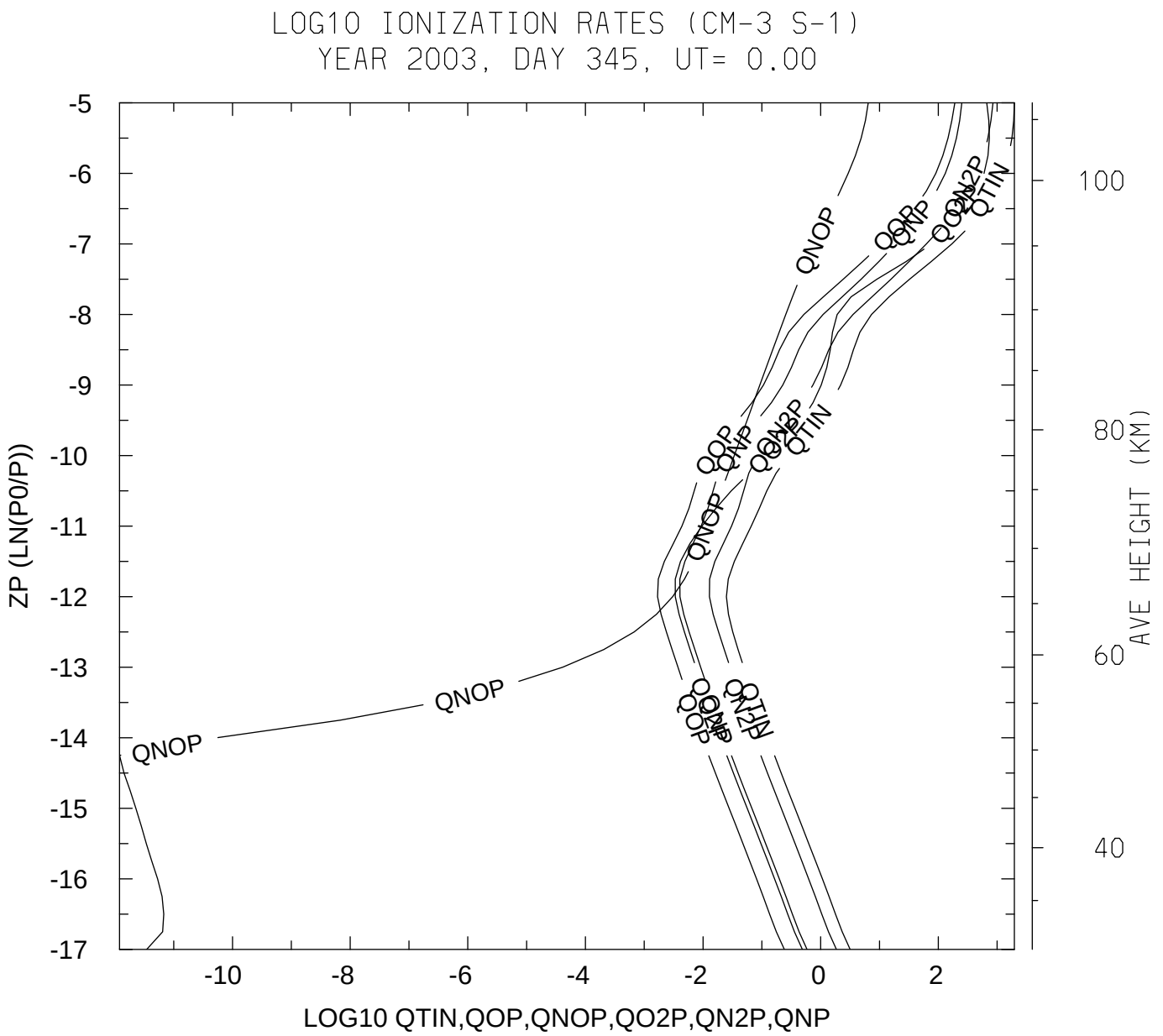


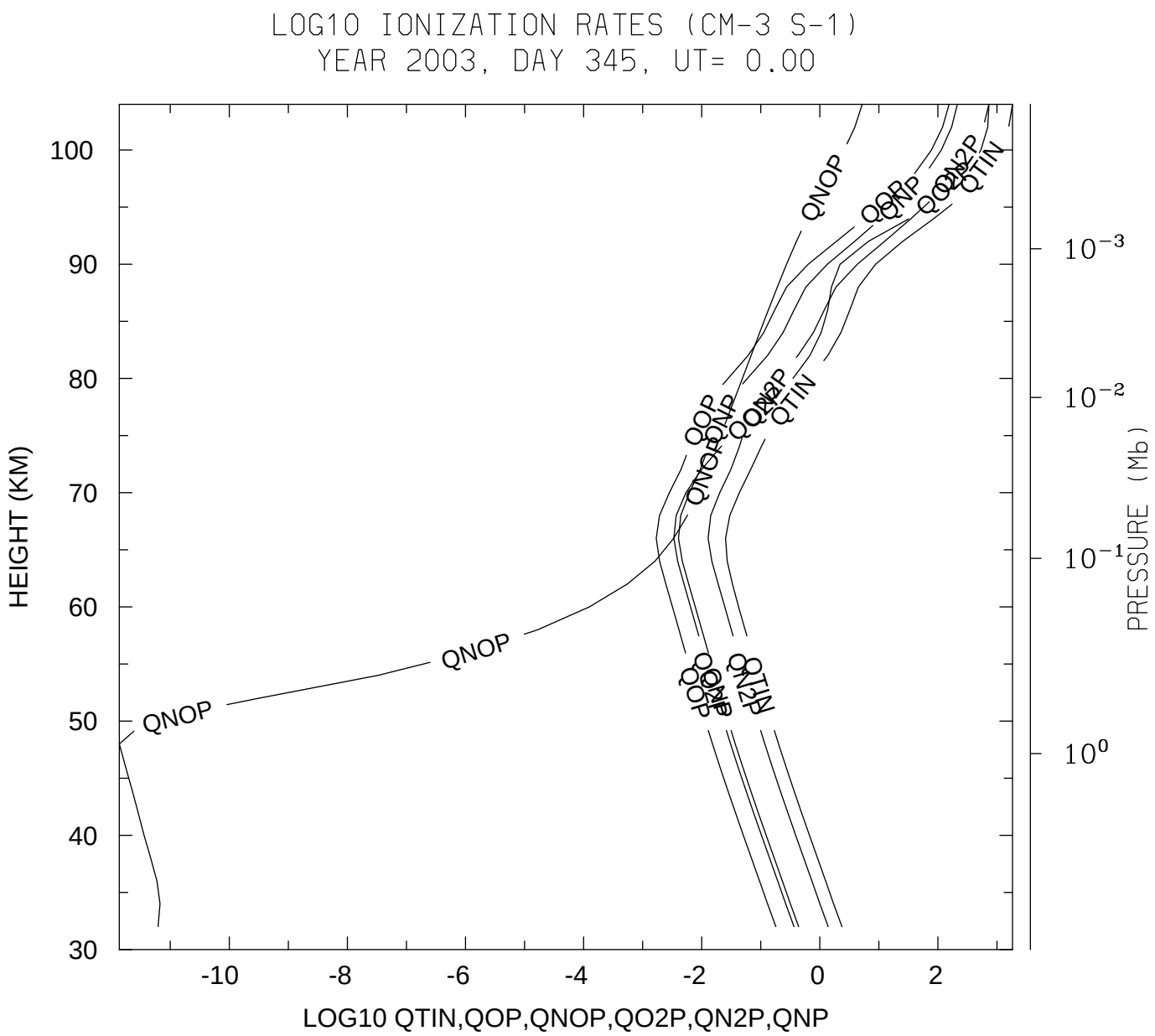
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

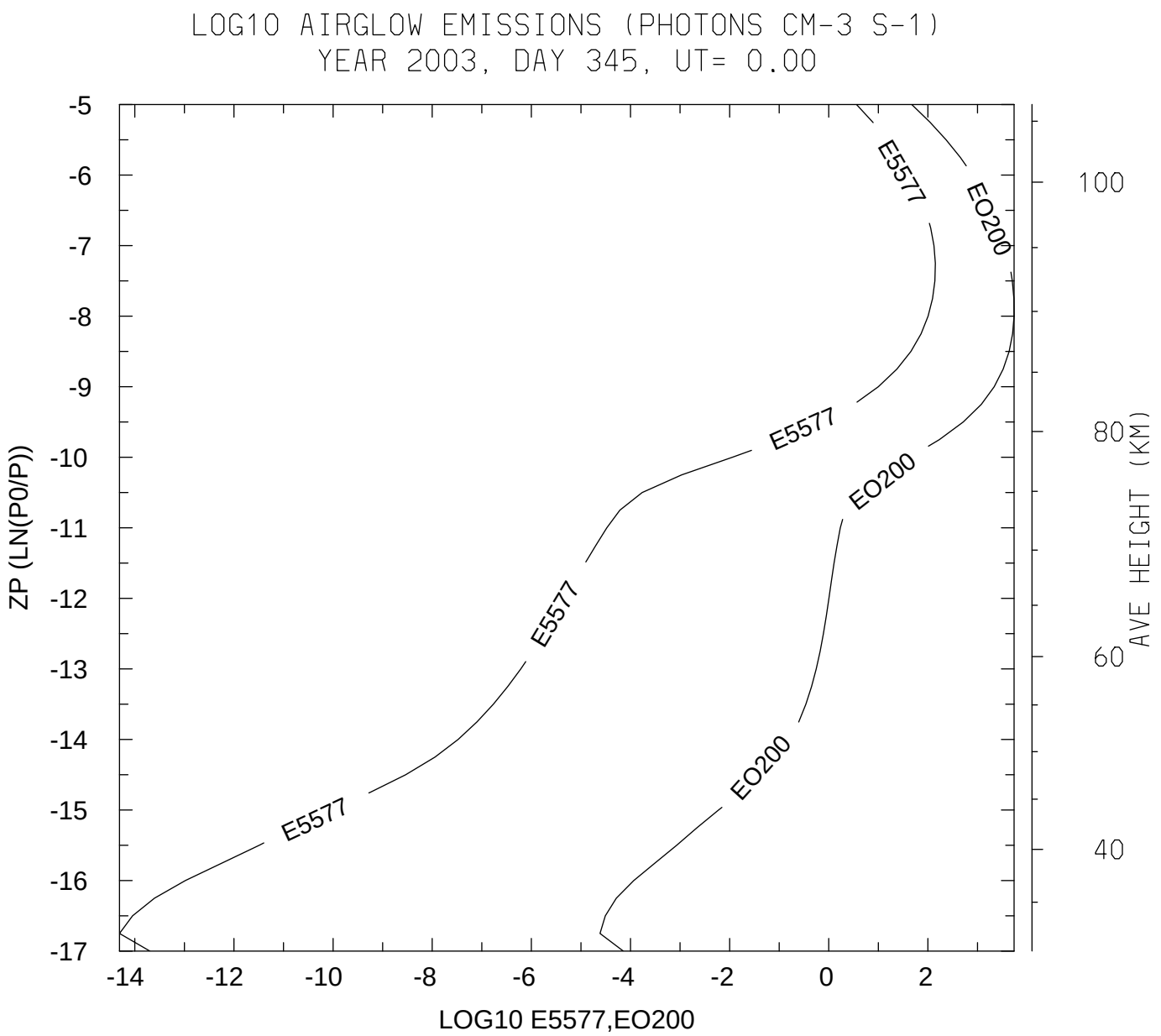
F107D = 150.00


HEATING RATES (DEG K/DAY)
YEAR 2003, DAY 345, UT= 0.00
ZP (LN(P0/P))
AVE HEIGHT (KM)
QNTOT,QNN,QNC,QSRC,QSRB,QN1D,XLEN,QO3PR,QIAN,QJOUL,QNO3,QNLYA
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00


HEATING RATES (DEG K/DAY)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
PRESSURE (Mb)
100
90
80
70
60
50
40
30
10^{-3}
10^{-2}
10^{-1}
10^{0}
0 2 4 6 8 10 14 18 22 26 30
QNTOT
QNN
QNC
QSRC
QSRB
QN1D
XLEN
QO3PR
QIAN
QJOUL
QNO3
QNLYA
QNTOT,QNN,QNC,QSRC,QSRB,QN1D,XLEN,QO3PR,QIAN,QJOUL,QNO3,QNLYA
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00

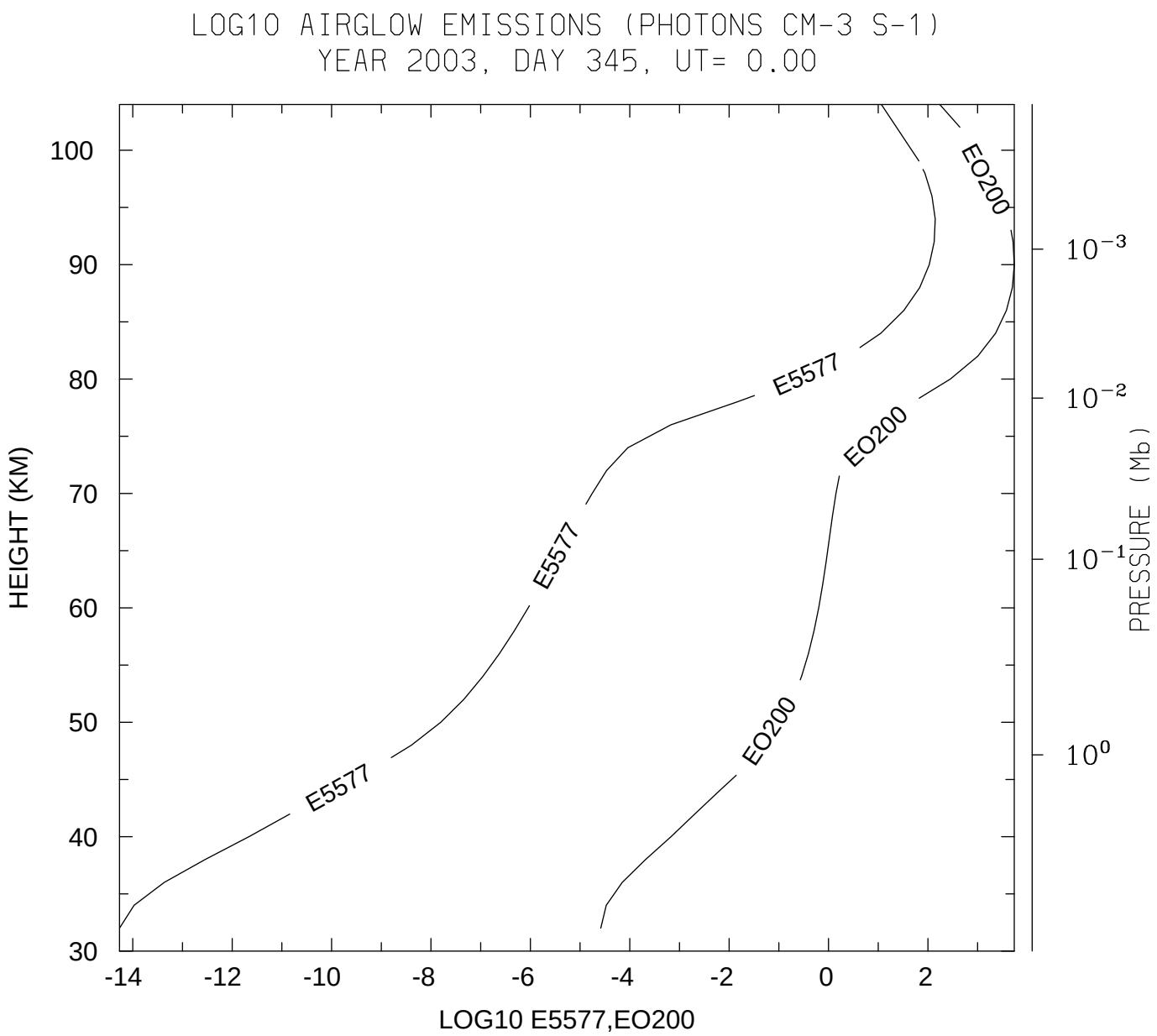

LOG10 IONIZATION RATES (CM-3 S-1)
YEAR 2003, DAY 345, UT= 0.00
ZP (LN(P0/P))
AVE HEIGHT (KM)
LOG10 QTIN,QOP,QNOP,QO2P,QN2P,QNP
QNOP
QOP
QNP
QO2P
QN2P
QTIN
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00


LOG10 IONIZATION RATES (CM-3 S-1)
YEAR 2003, DAY 345, UT= 0.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
-10
-8
-6
-4
-2
0
2
LOG10 QTIN,QOP,QNOP,QO2P,QN2P,QNP
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
QNOP
QOP
QTIN
FILE: ROBLE.glbmsm.co2.dc.720_001.nc
F107D = 150.00



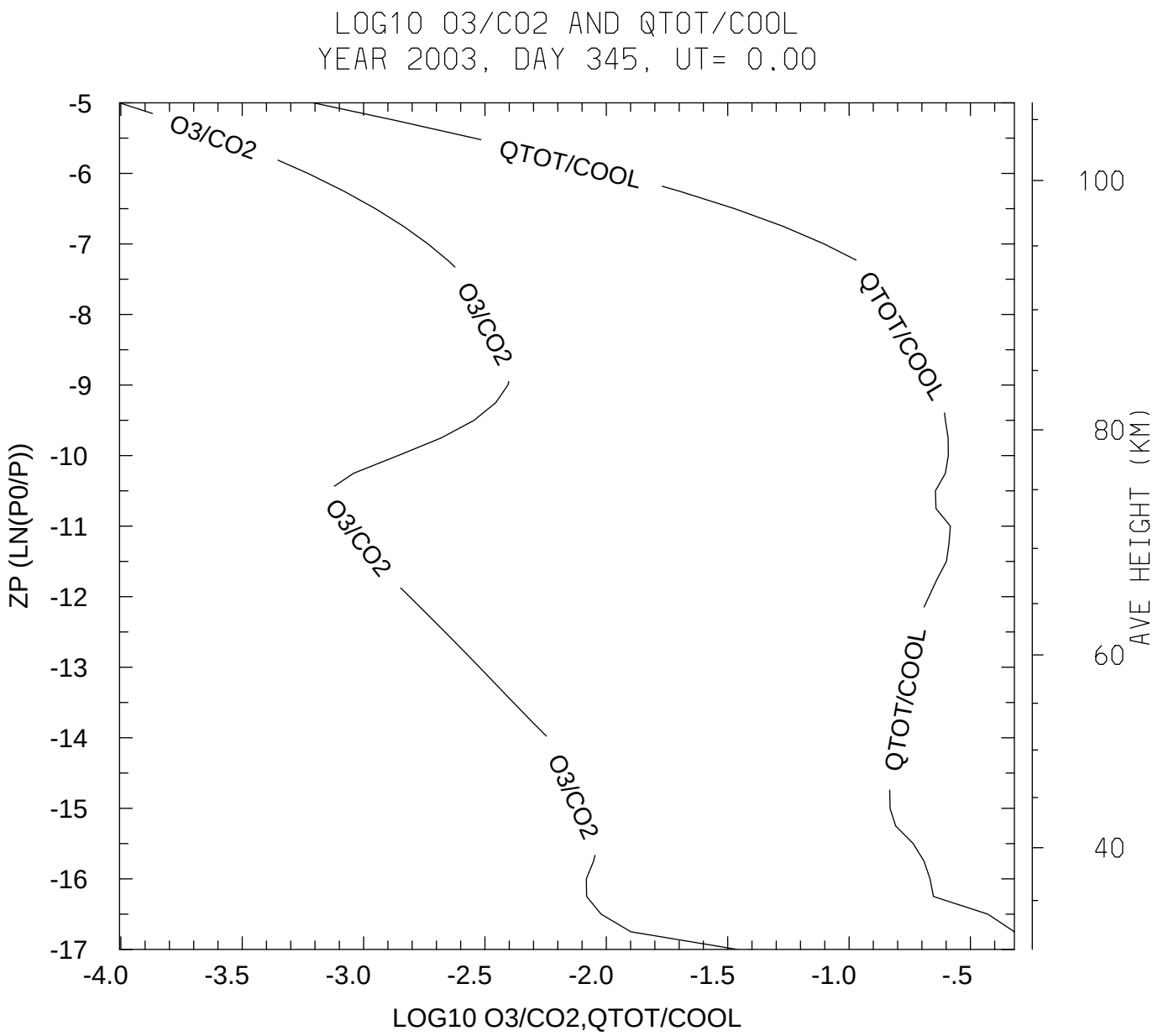
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



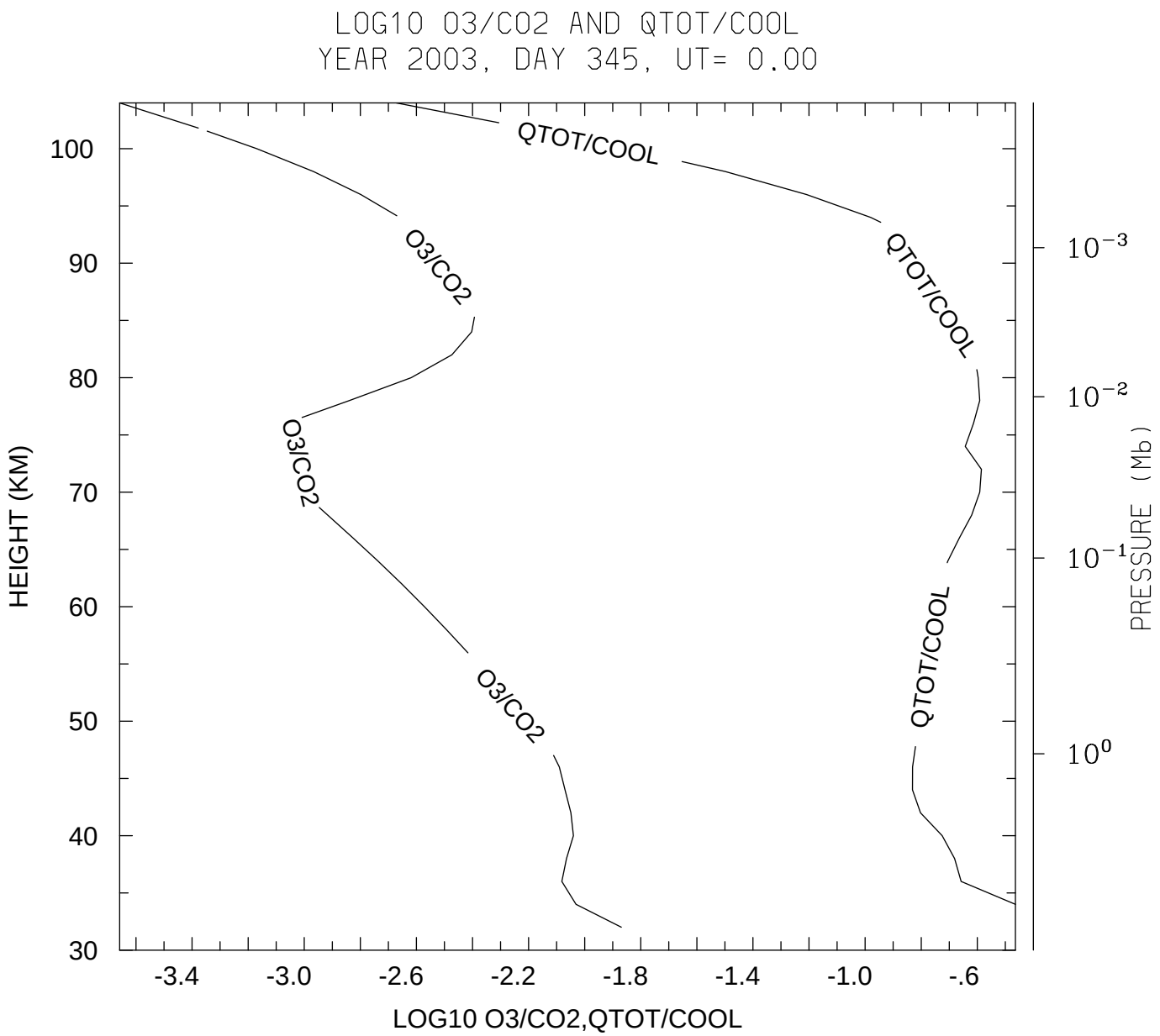
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

F107D = 150.00



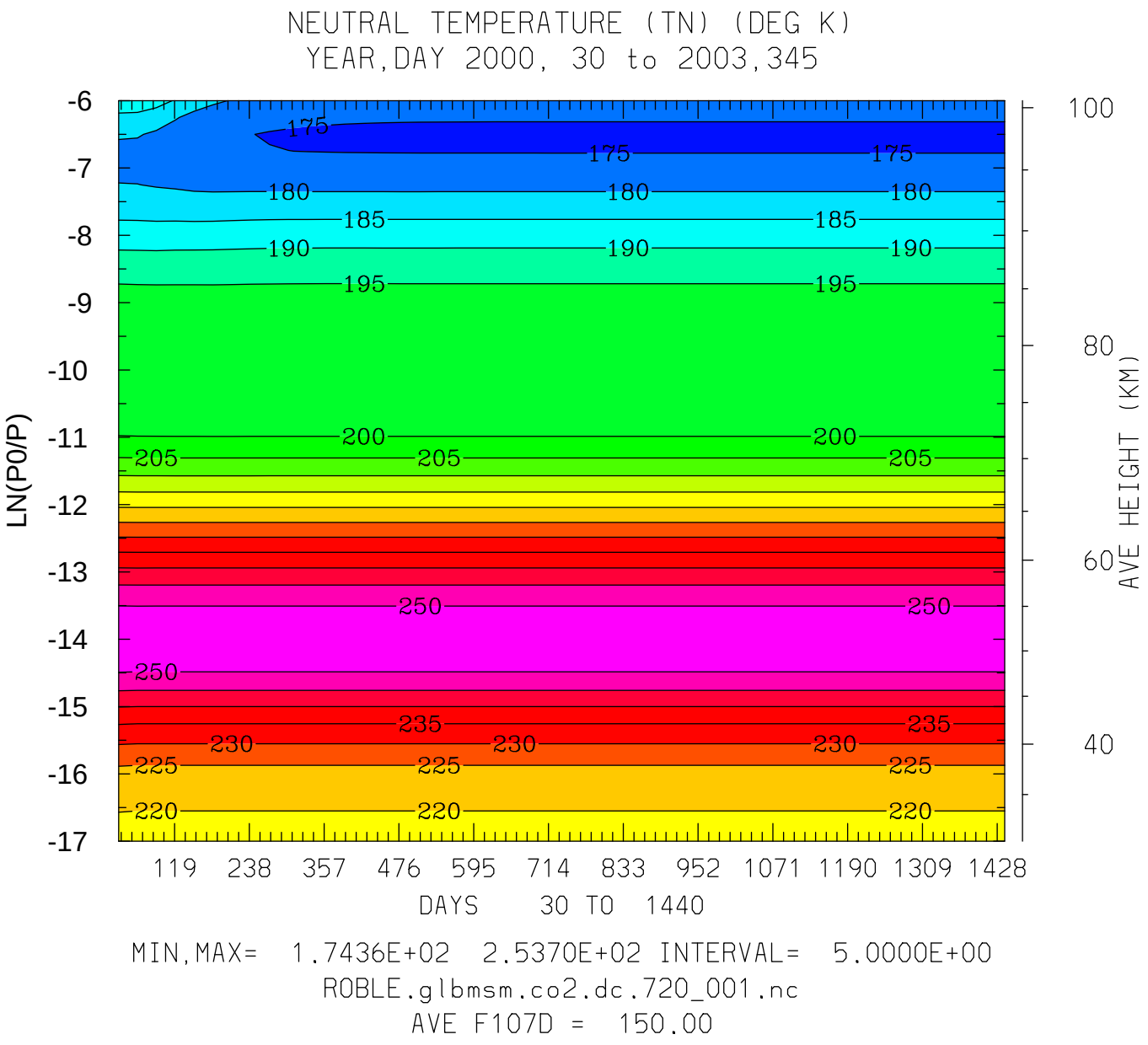
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

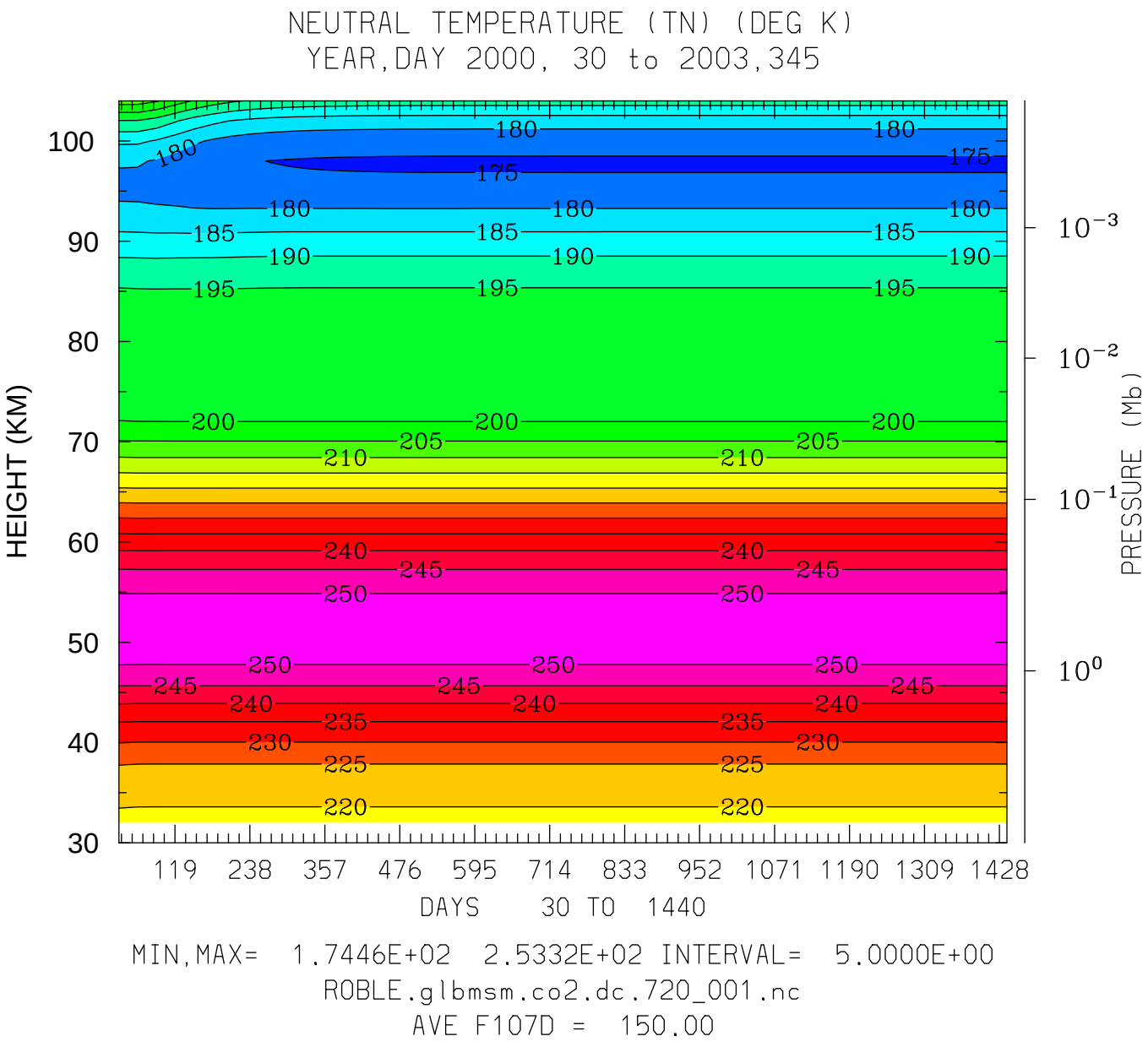
F107D = 150.00

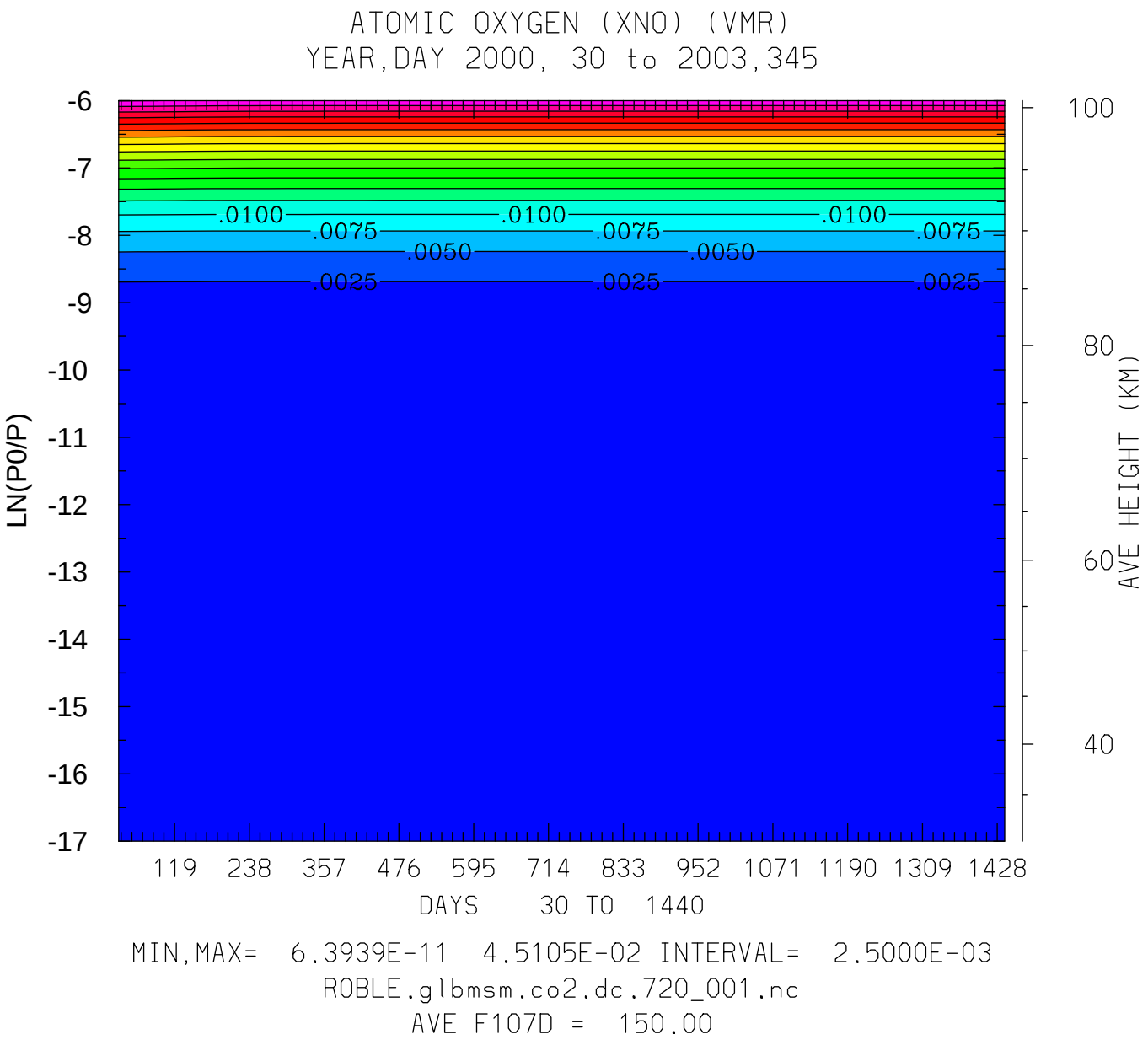


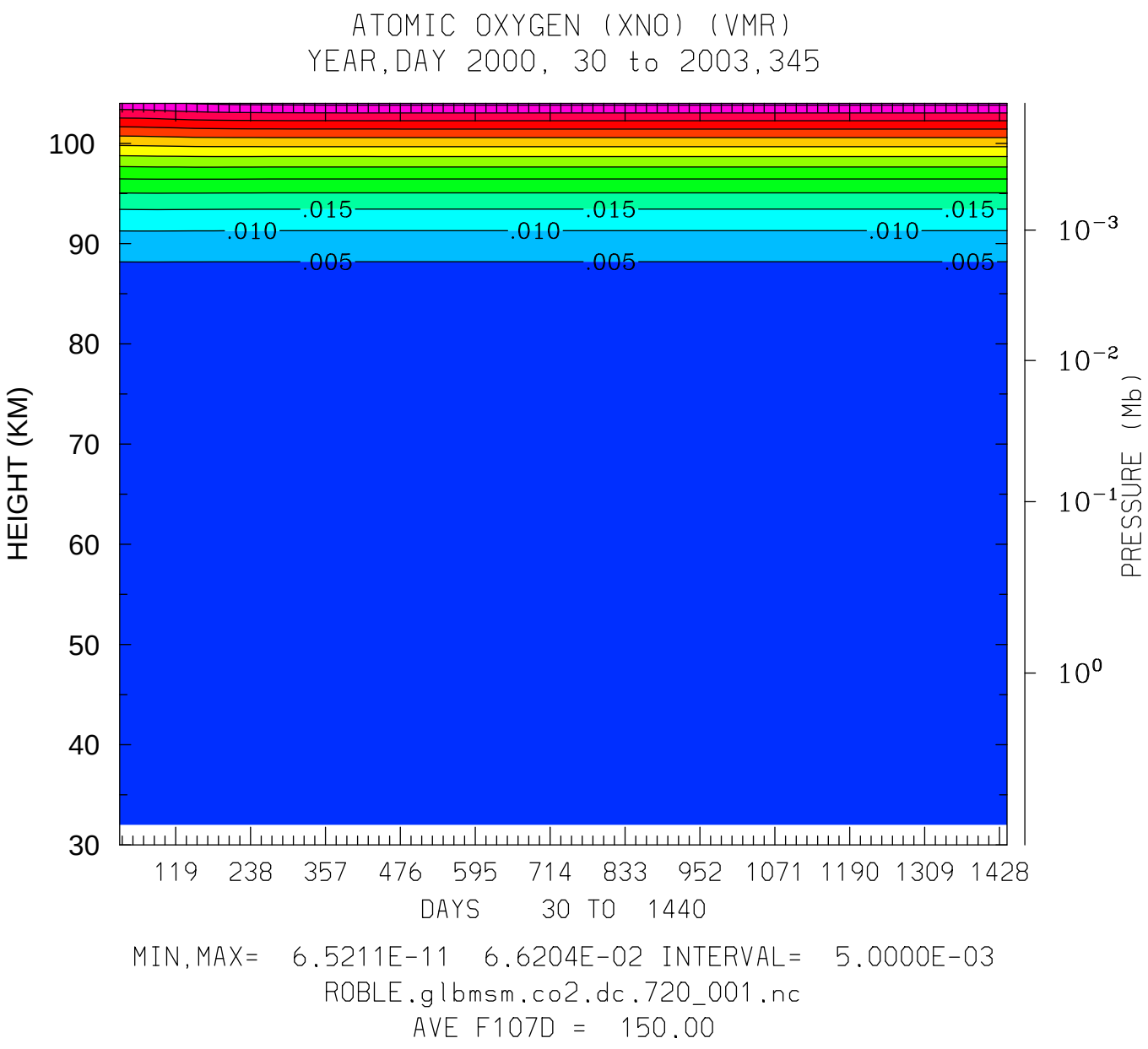
FILE: ROBLE.glbmsm.co2.dc.720_001.nc

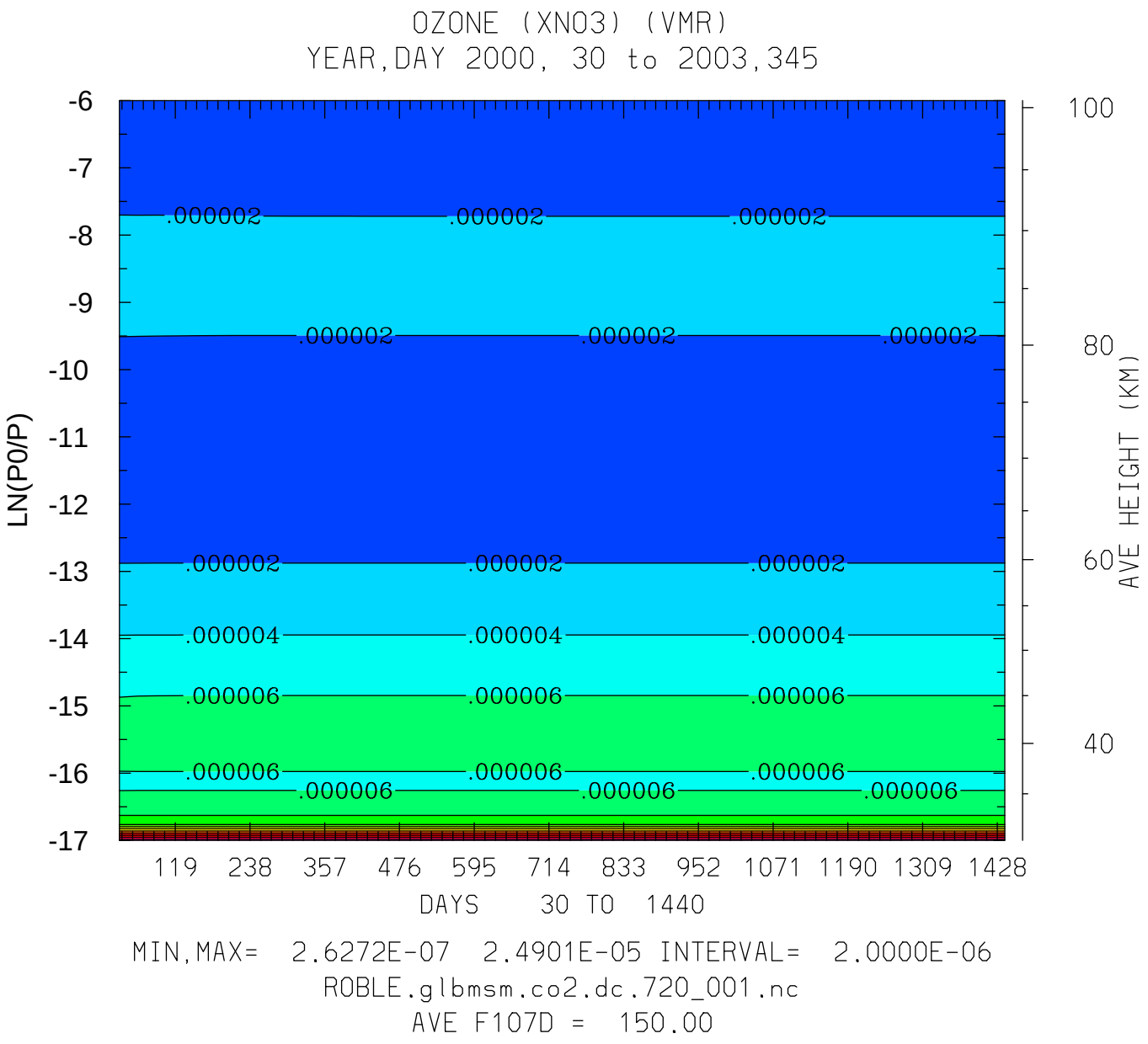
F107D = 150.00

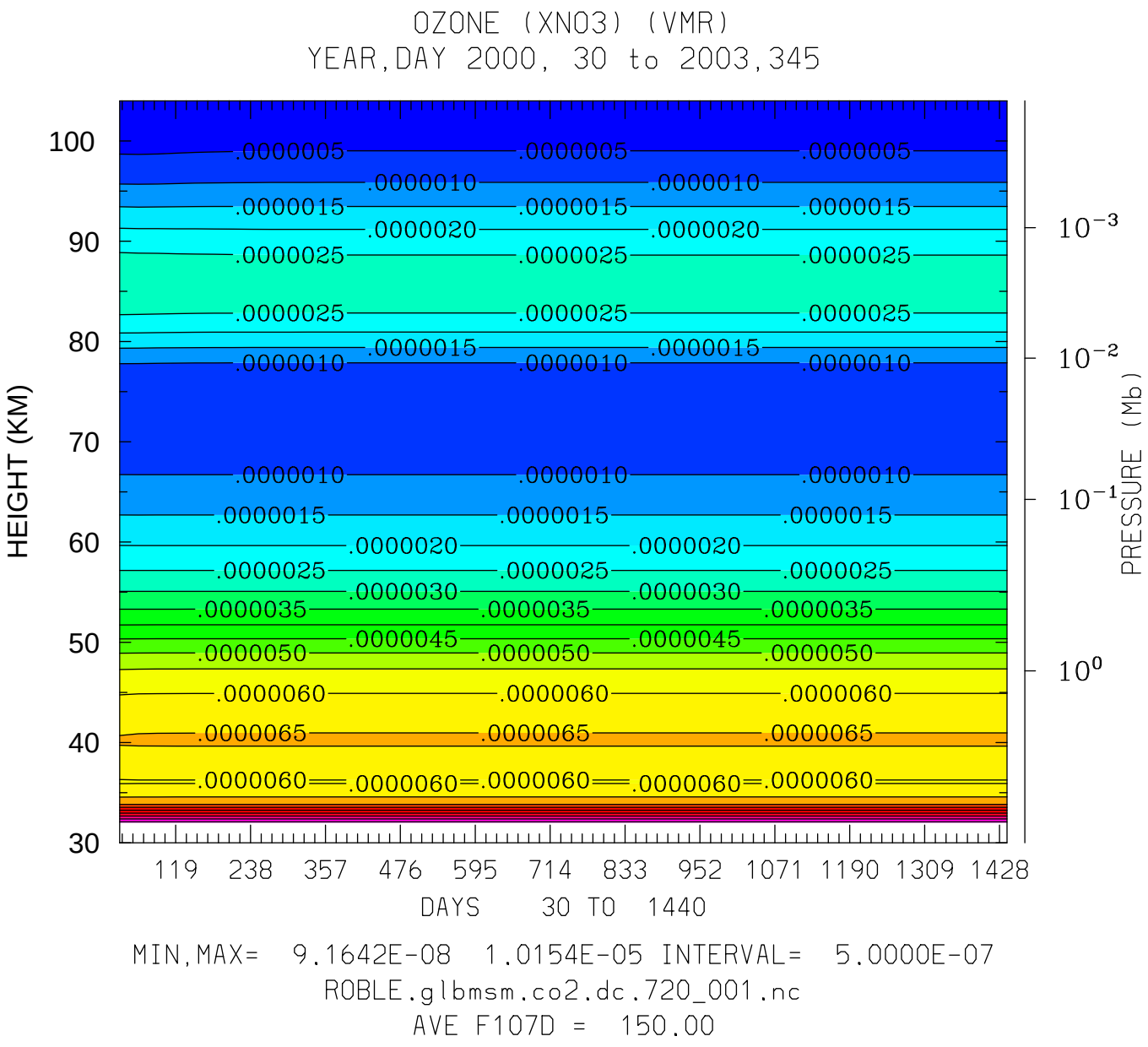

NEUTRAL TEMPERATURE (TN) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
175
180
185
190
195
200
205
250
235
230
225
220
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7436E+02 2.5370E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


NEUTRAL TEMPERATURE (TN) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
180
175
185
190
195
200
205
210
240
245
250
235
230
225
220
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7446E+02 2.5332E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


ATOMIC OXYGEN (XNO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
.0100
.0075
.0050
.0025
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 6.3939E-11 4.5105E-02 INTERVAL= 2.5000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


ATOMIC OXYGEN (XNO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.015
.010
.005
.015
.010
.005
.015
.010
.005
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 6.5211E-11 6.6204E-02 INTERVAL= 5.0000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

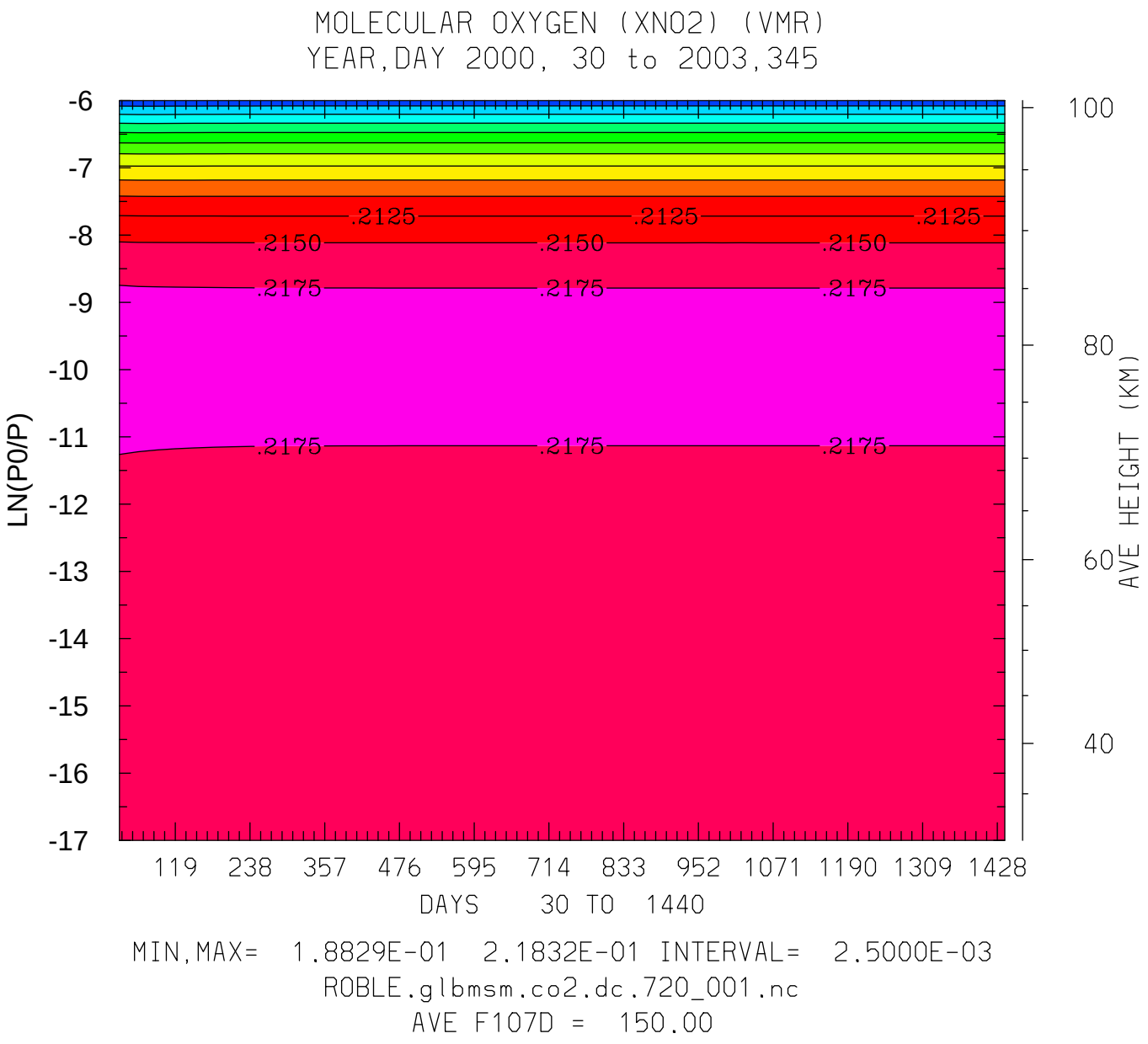

OZONE (XNO3) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
.000002
.000004
.000006
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.6272E-07 2.4901E-05 INTERVAL= 2.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

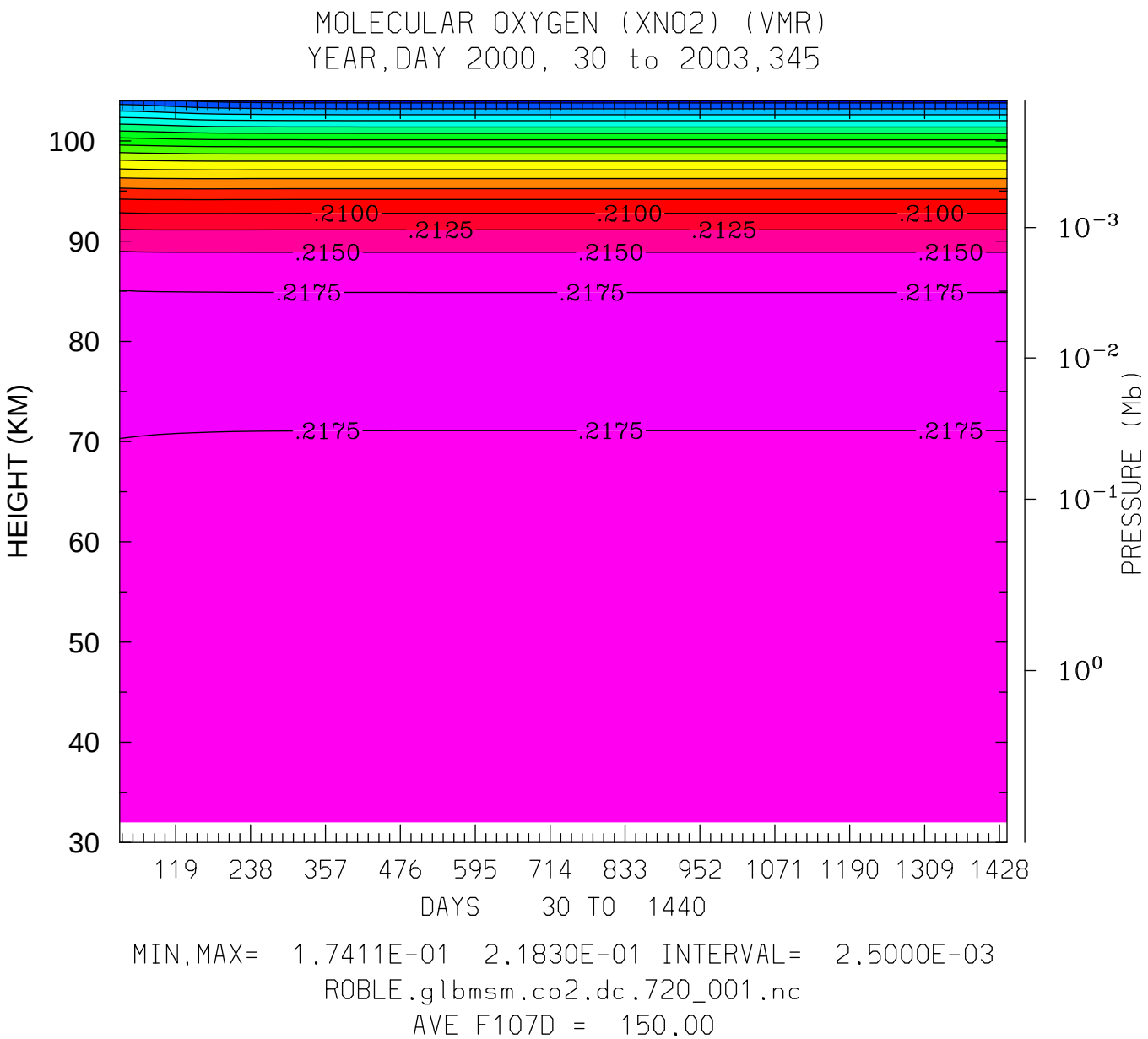


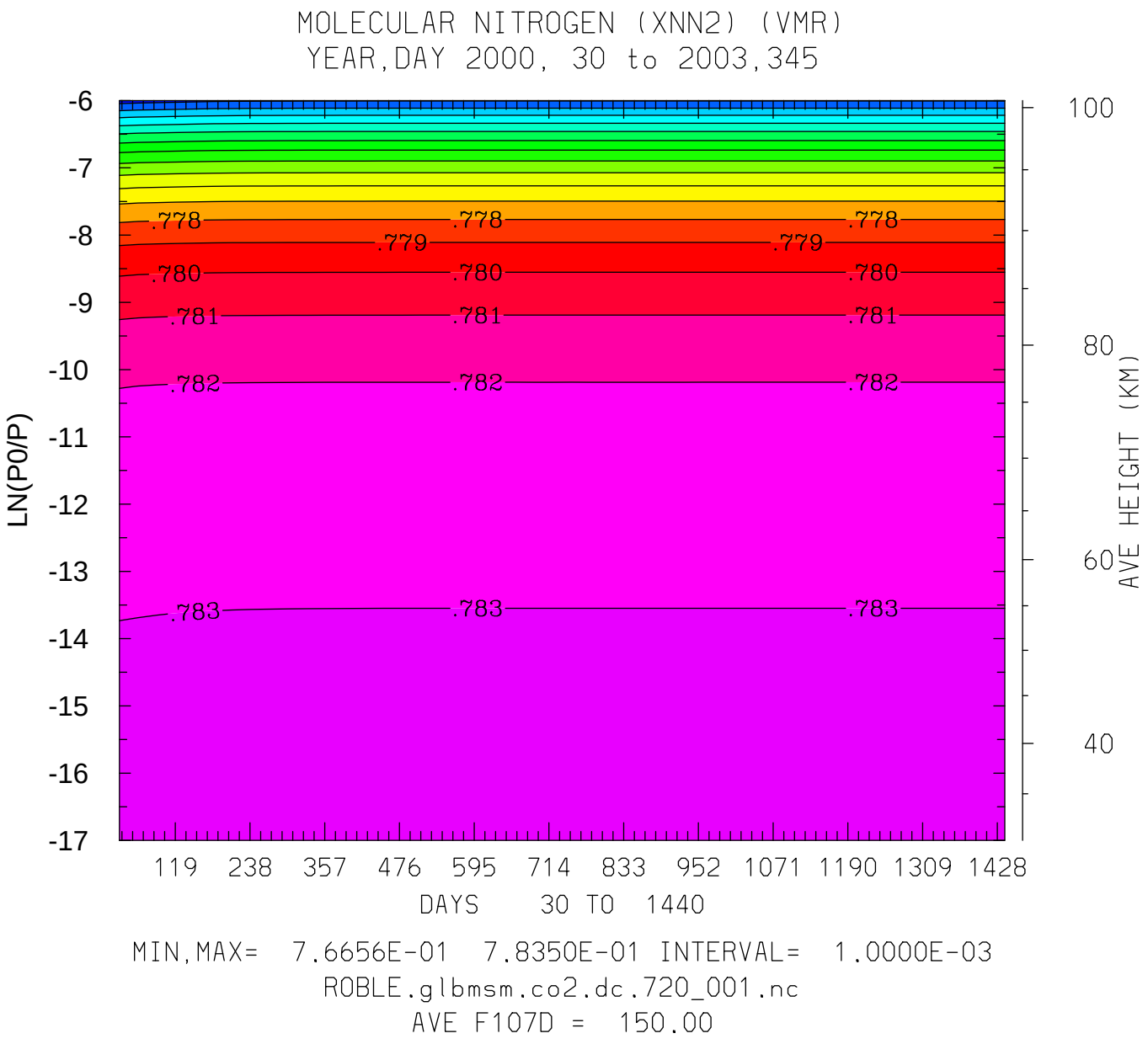
MIN,MAX= 9.1642E-08 1.0154E-05 INTERVAL= 5.0000E-07

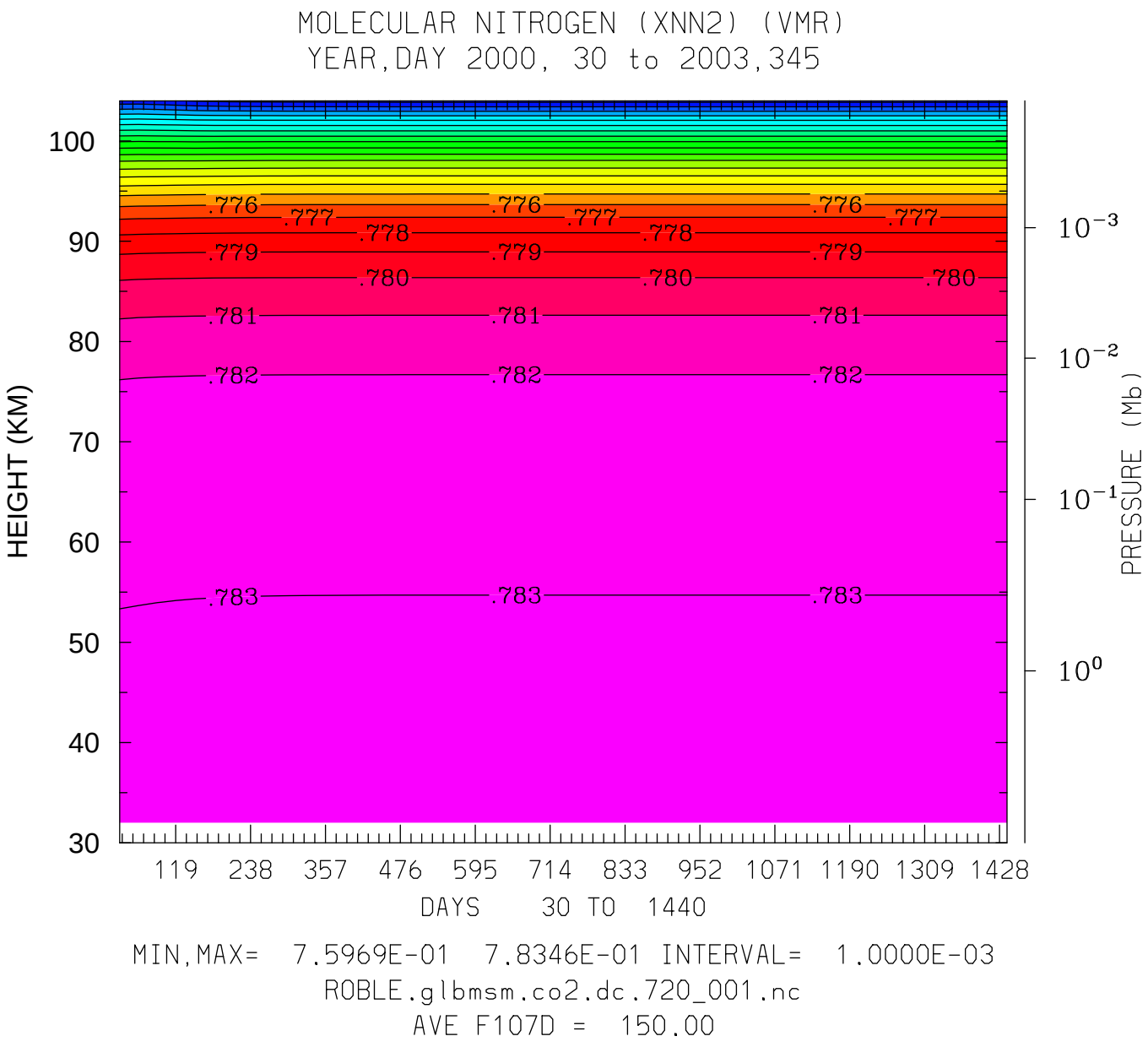
ROBLE.glbmsm.co2.dc.720_001.nc

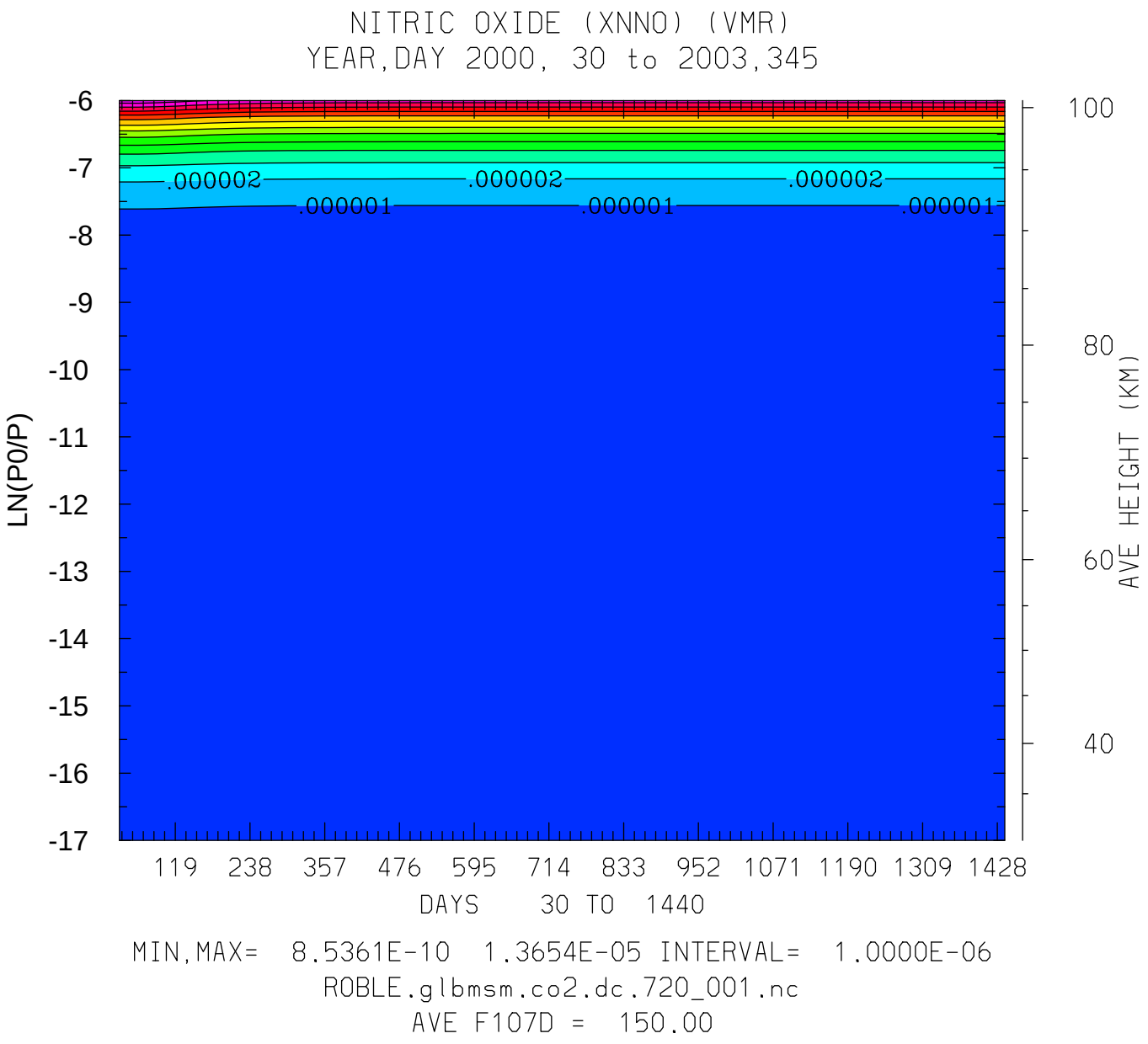
AVE F107D = 150.00

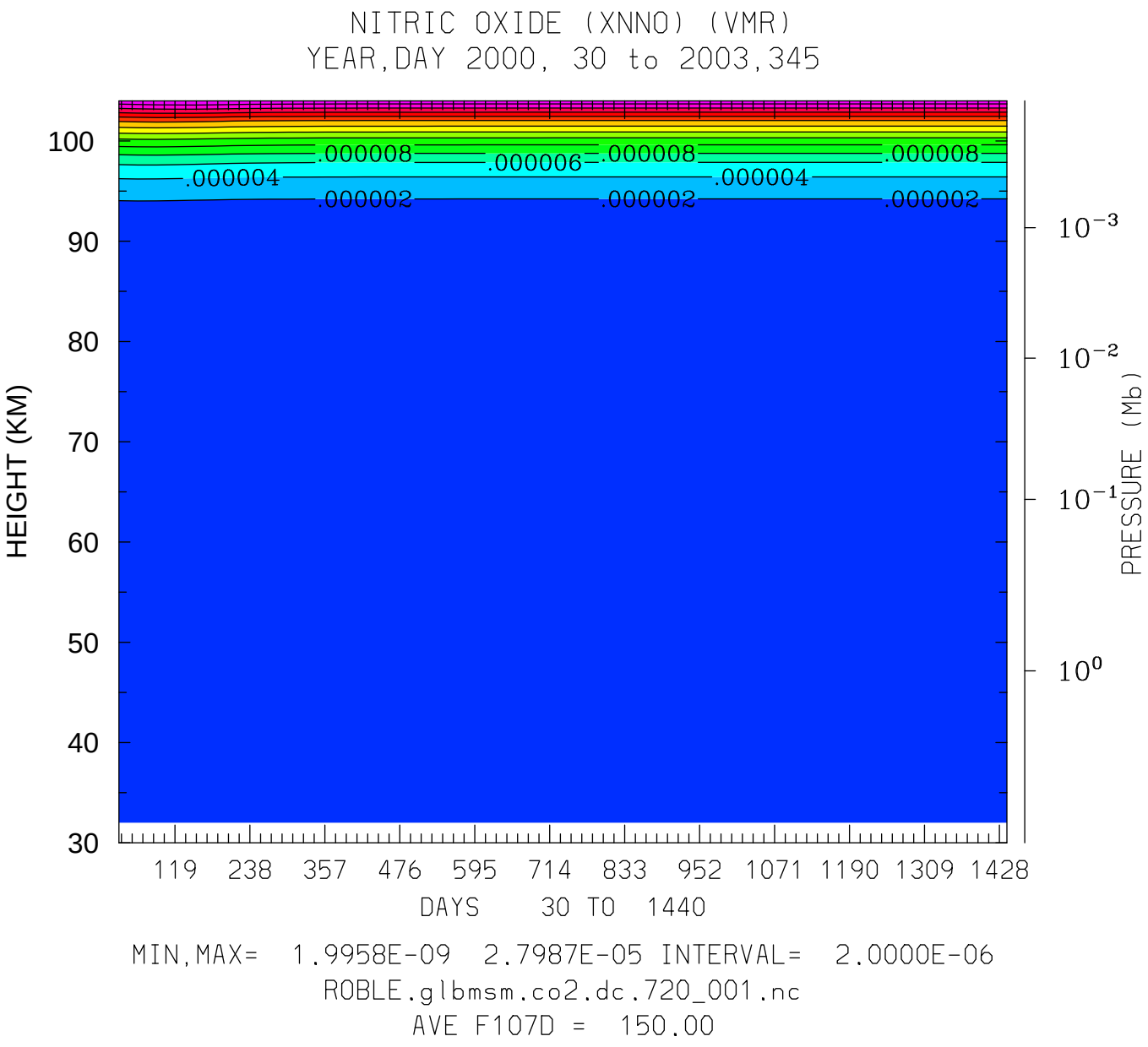

MOLECULAR OXYGEN (XNO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.2125
.2150
.2175
AVE HEIGHT (KM)
100
80
60
40
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.8829E-01 2.1832E-01 INTERVAL= 2.5000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

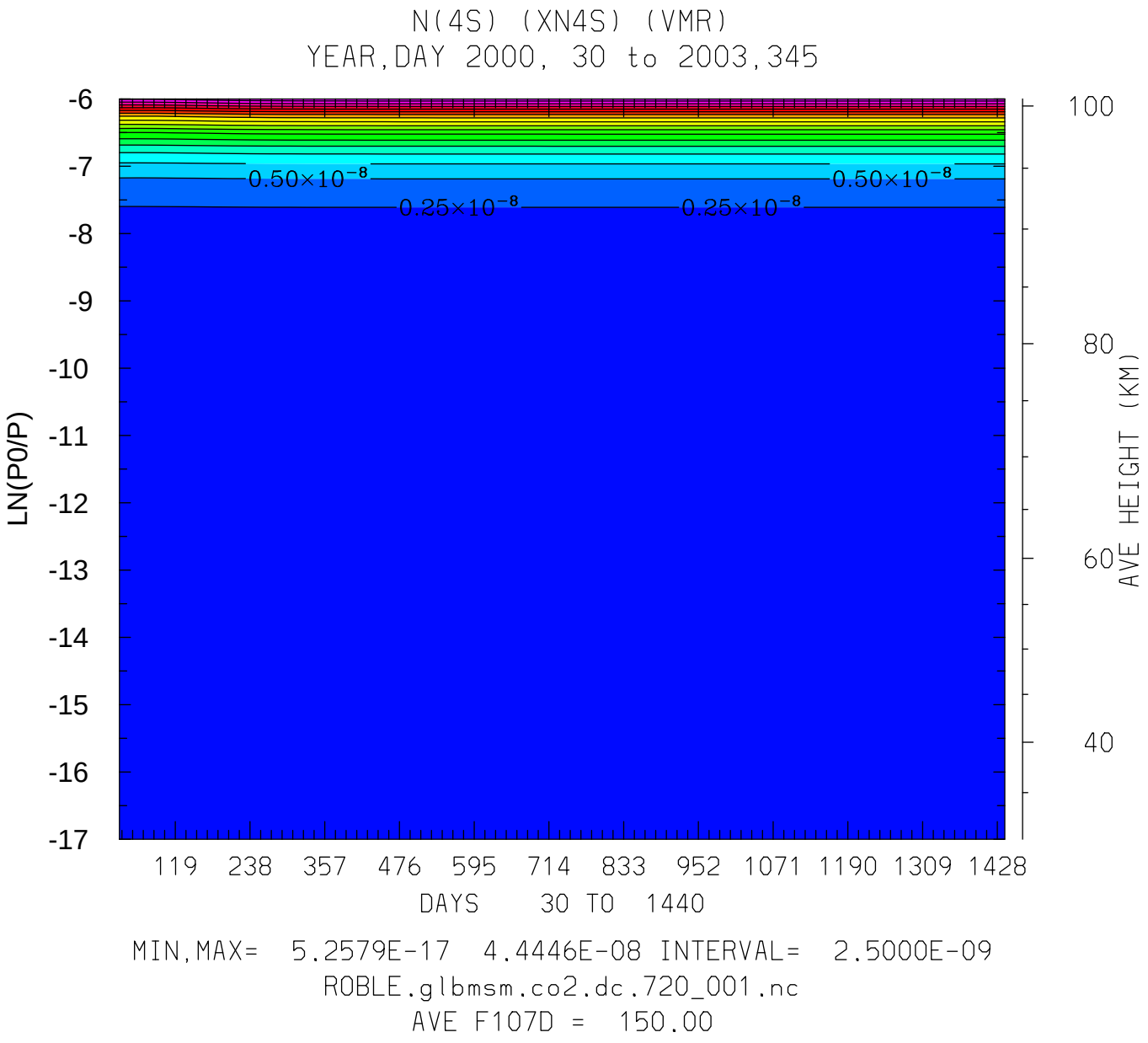

MOLECULAR OXYGEN (XNO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.2100
.2125
.2150
.2175
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7411E-01 2.1830E-01 INTERVAL= 2.5000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

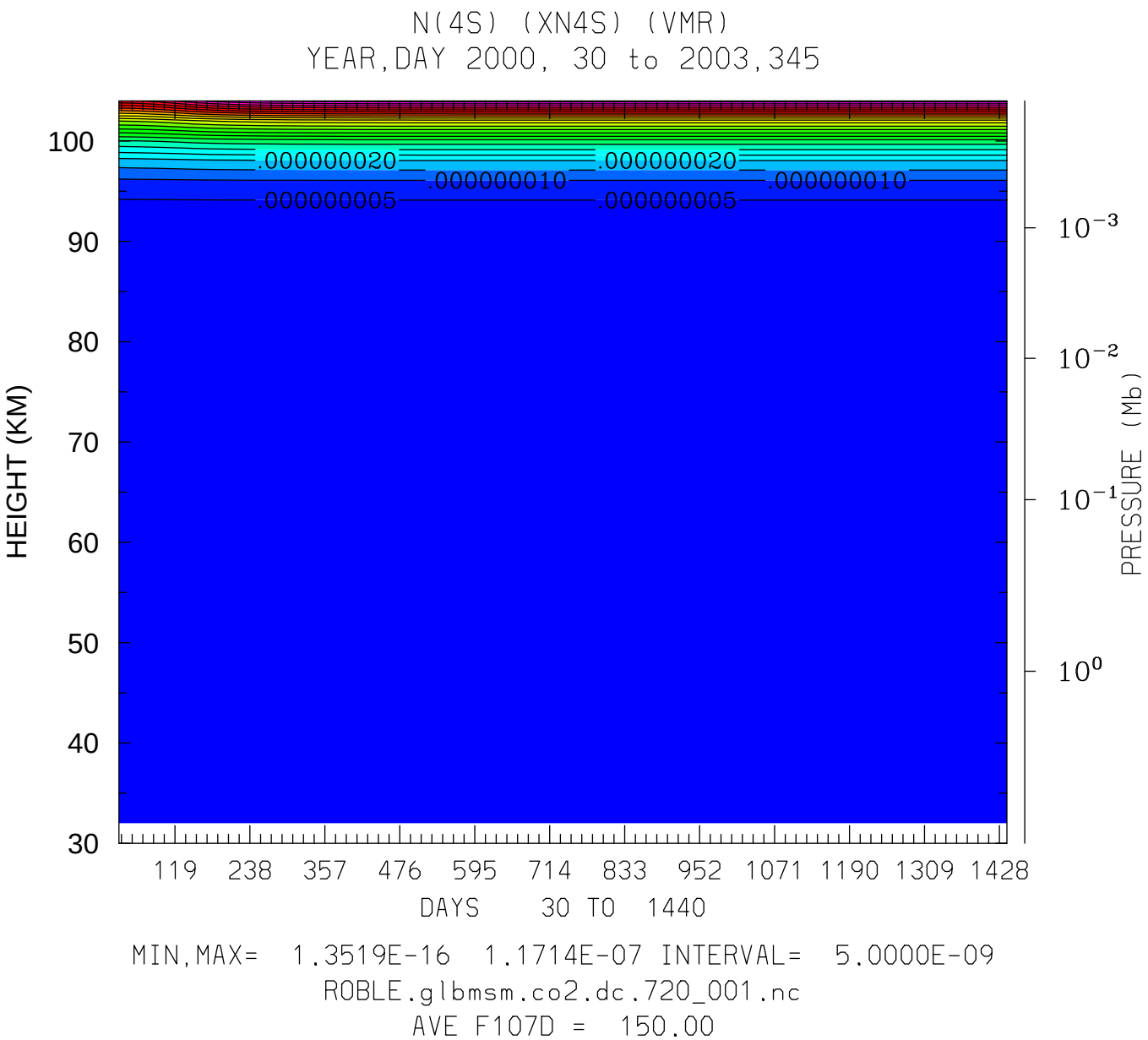

MOLECULAR NITROGEN (XNN2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.778
.779
.780
.781
.782
.783
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 7.6656E-01 7.8350E-01 INTERVAL= 1.0000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

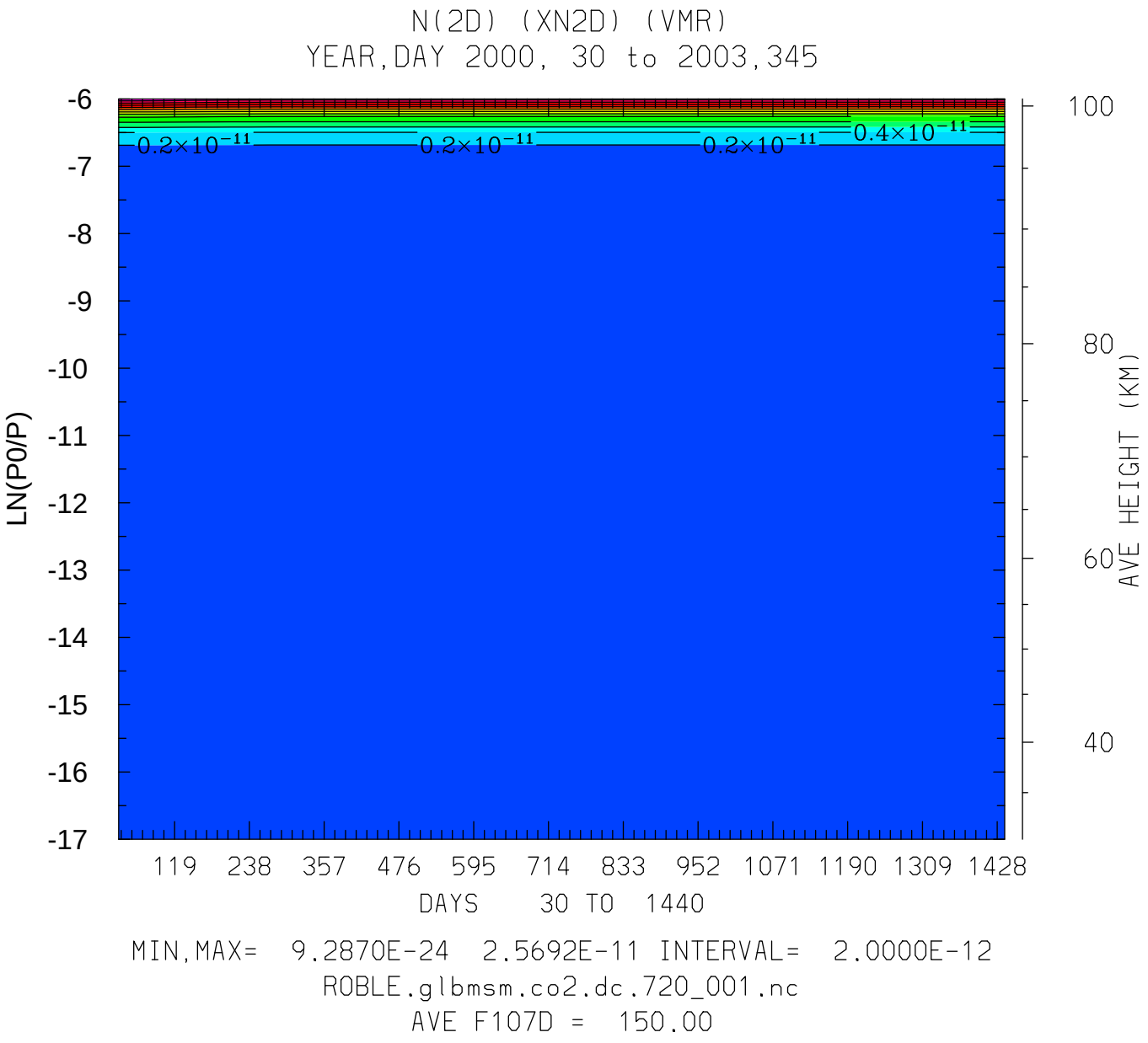

MOLECULAR NITROGEN (XNN2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.776
.777
.778
.779
.780
.781
.782
.783
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 7.5969E-01 7.8346E-01 INTERVAL= 1.0000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

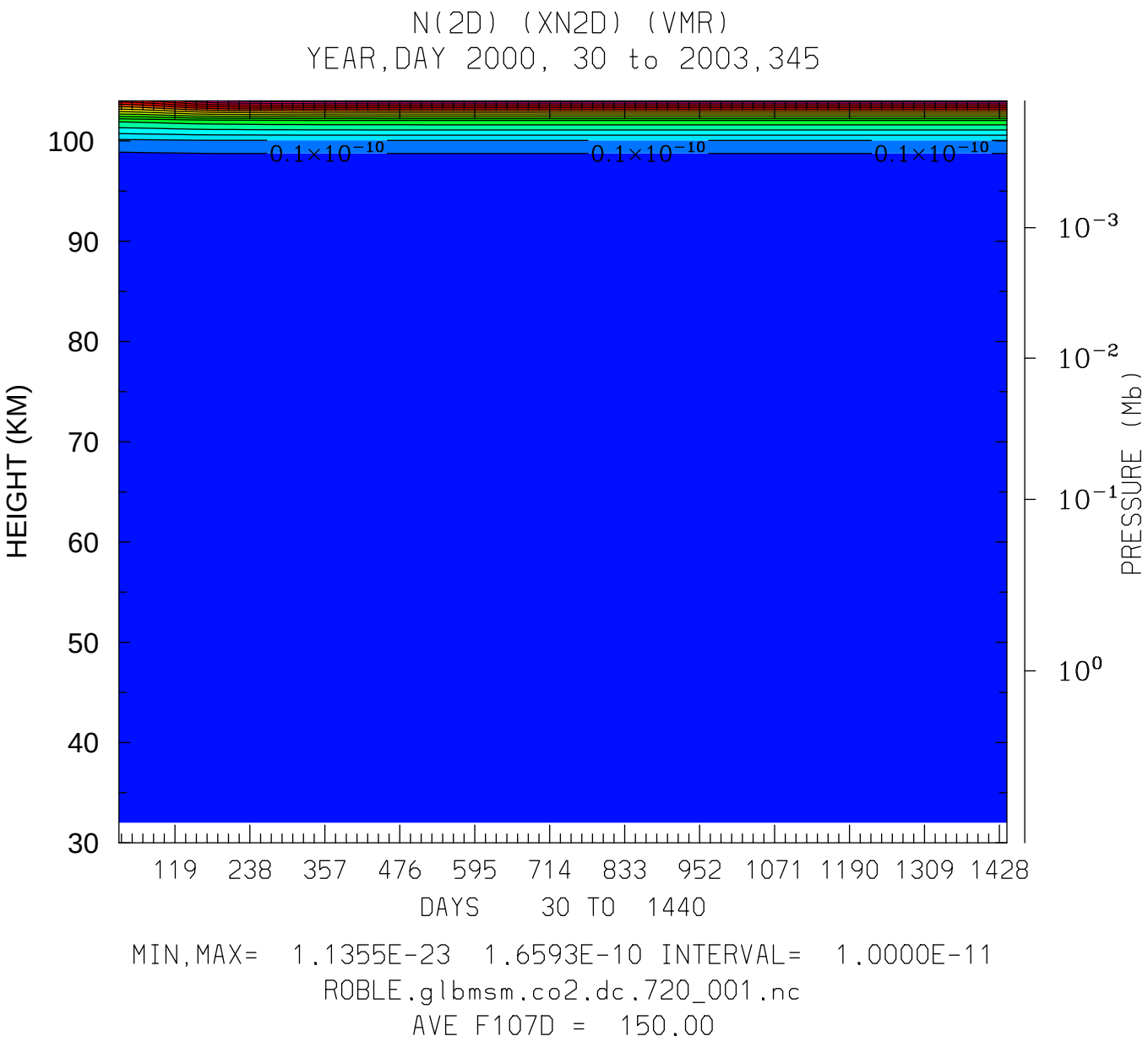

NITRIC OXIDE (XNNO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
.000002
.000002
.000002
.000001
.000001
.000001
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 8.5361E-10 1.3654E-05 INTERVAL= 1.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

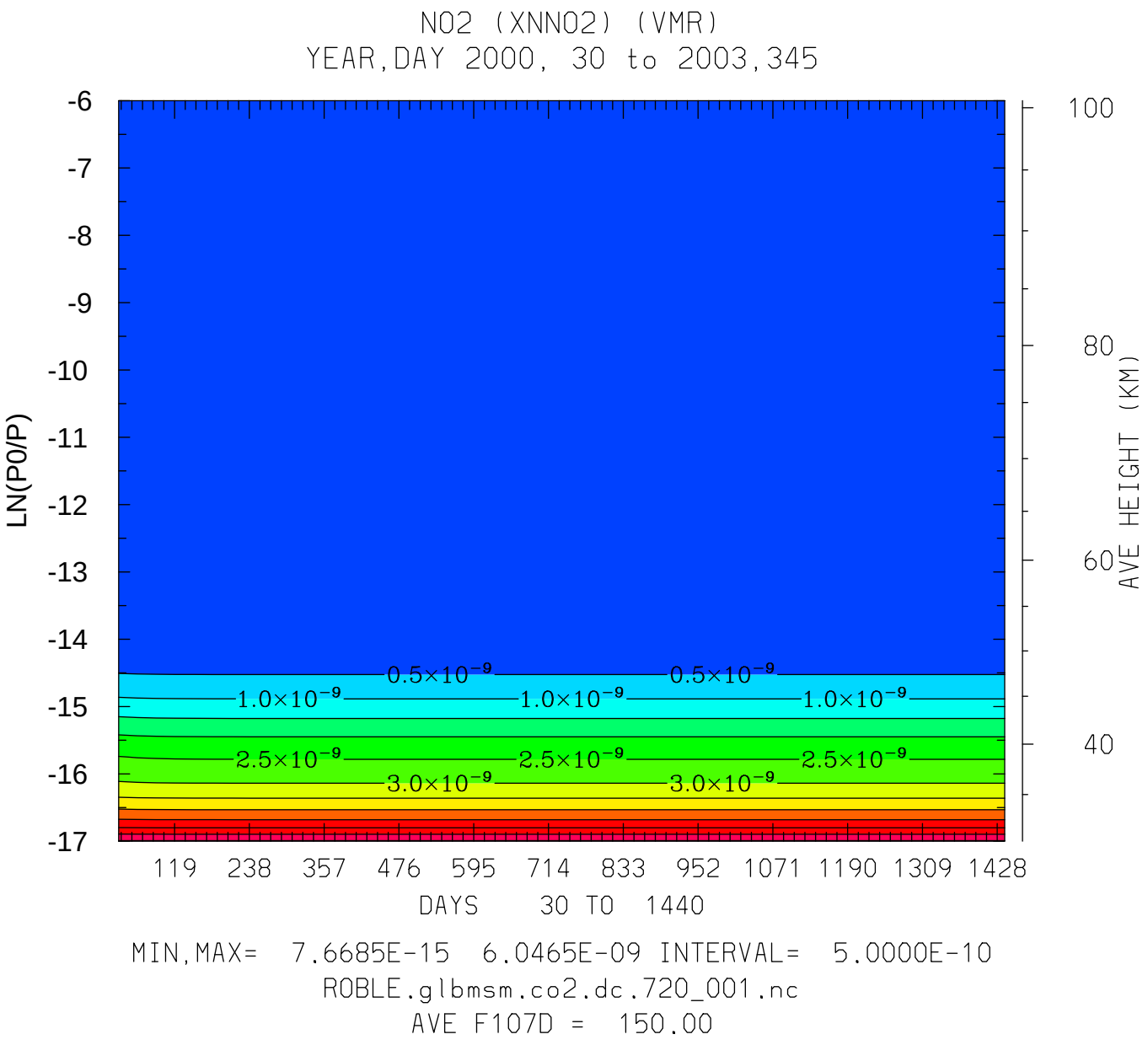

NITRIC OXIDE (XNNO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.000008
.000006
.000008
.000008
.000004
.000004
.000002
.000002
.000002
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.9958E-09 2.7987E-05 INTERVAL= 2.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


N(4S) (XN4S) (VMR)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
0.50×10⁻⁸
0.50×10⁻⁸
0.25×10⁻⁸
0.25×10⁻⁸
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 5.2579E-17 4.4446E-08 INTERVAL= 2.5000E-09
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


N(4S) (XN4S) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.000000020
.000000010
.000000005
.000000020
.000000010
.000000005
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.3519E-16 1.1714E-07 INTERVAL= 5.0000E-09
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


N(2D) (XN2D) (VMR)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
0.2×10⁻¹¹
0.2×10⁻¹¹
0.2×10⁻¹¹
0.4×10⁻¹¹
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 9.2870E-24 2.5692E-11 INTERVAL= 2.0000E-12
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

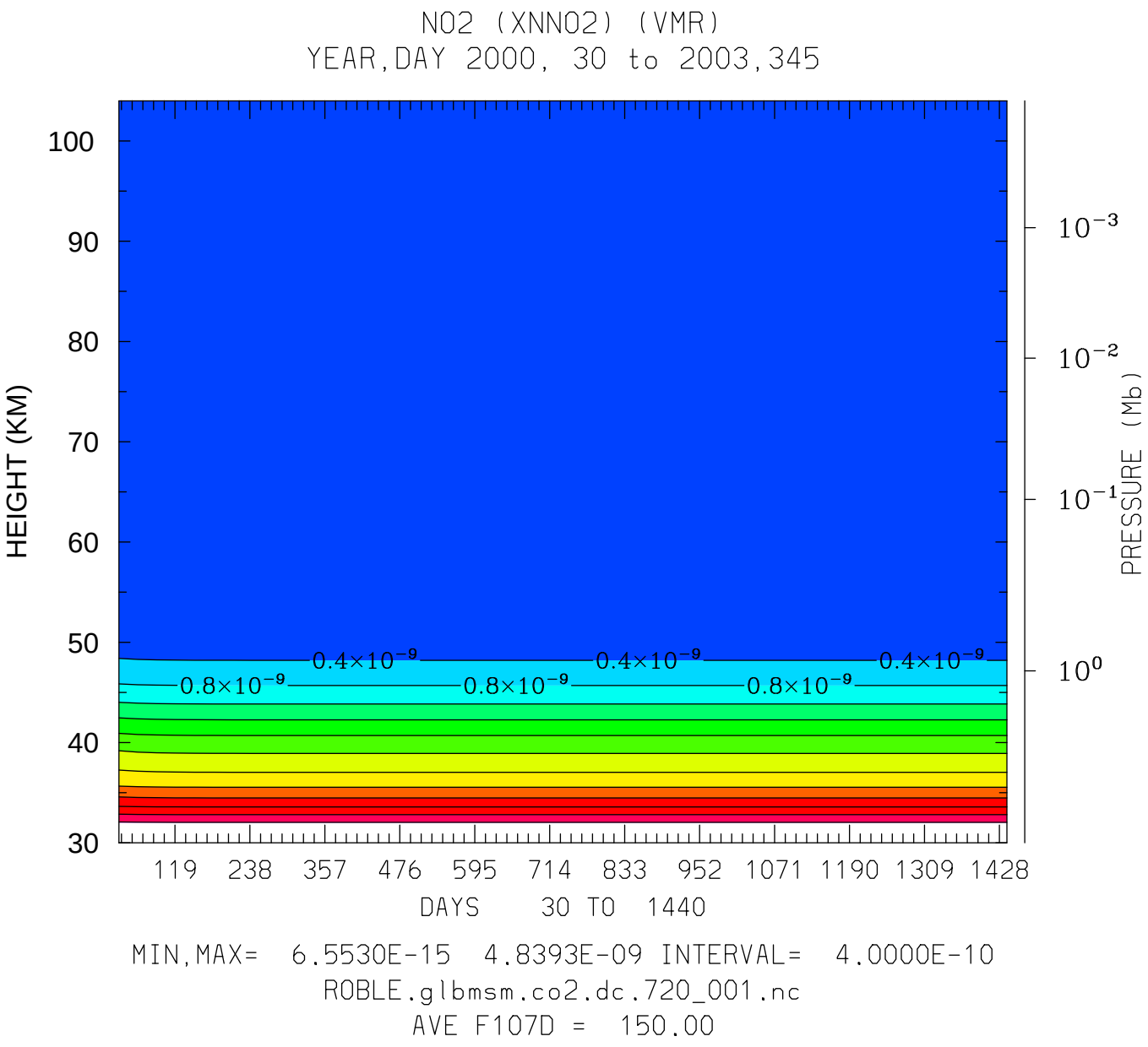

N(2D) (XN2D) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
0.1×10⁻¹⁰
0.1×10⁻¹⁰
0.1×10⁻¹⁰
10⁻³
10⁻²
10⁻¹
10⁰
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.1355E-23 1.6593E-10 INTERVAL= 1.0000E-11
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

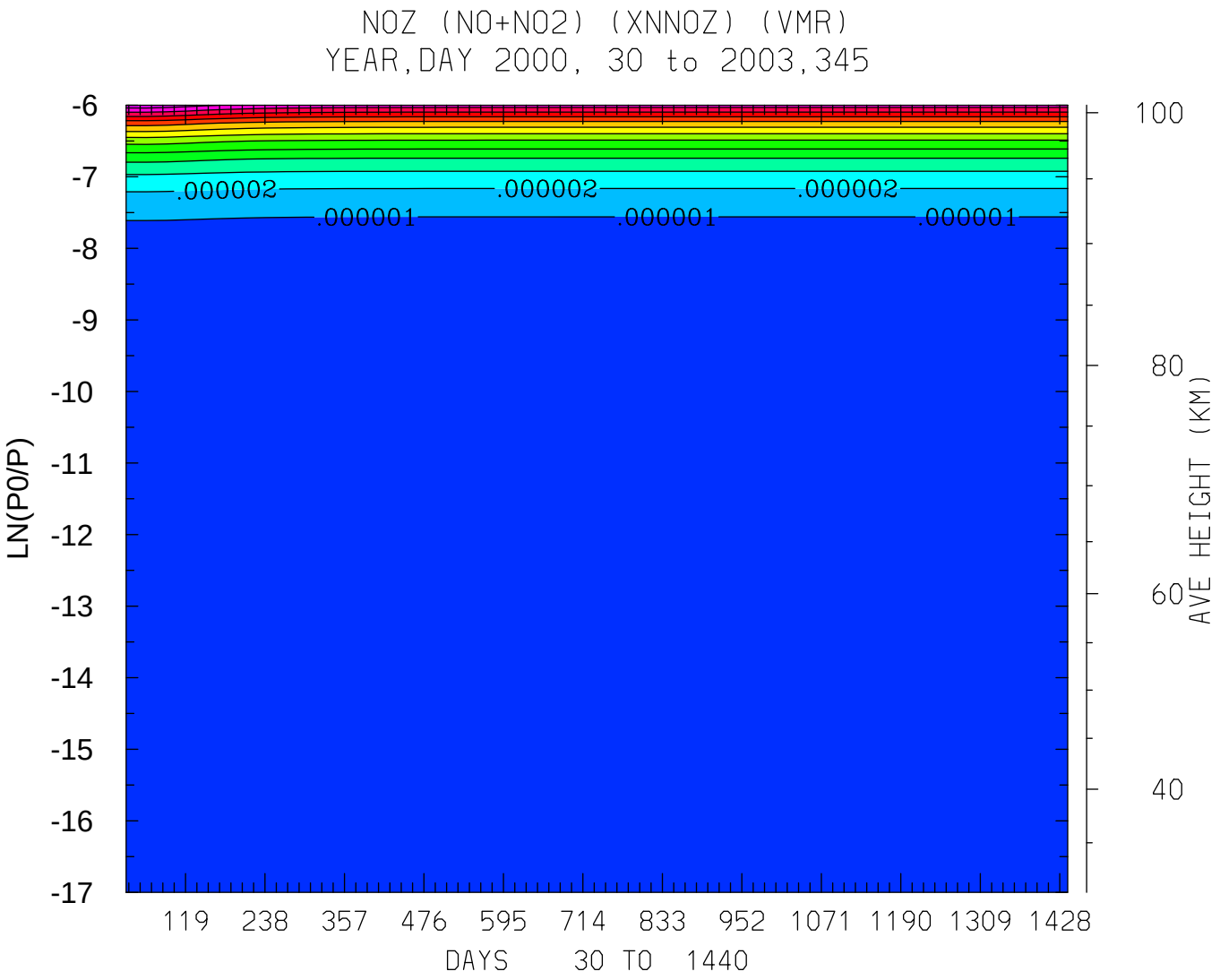


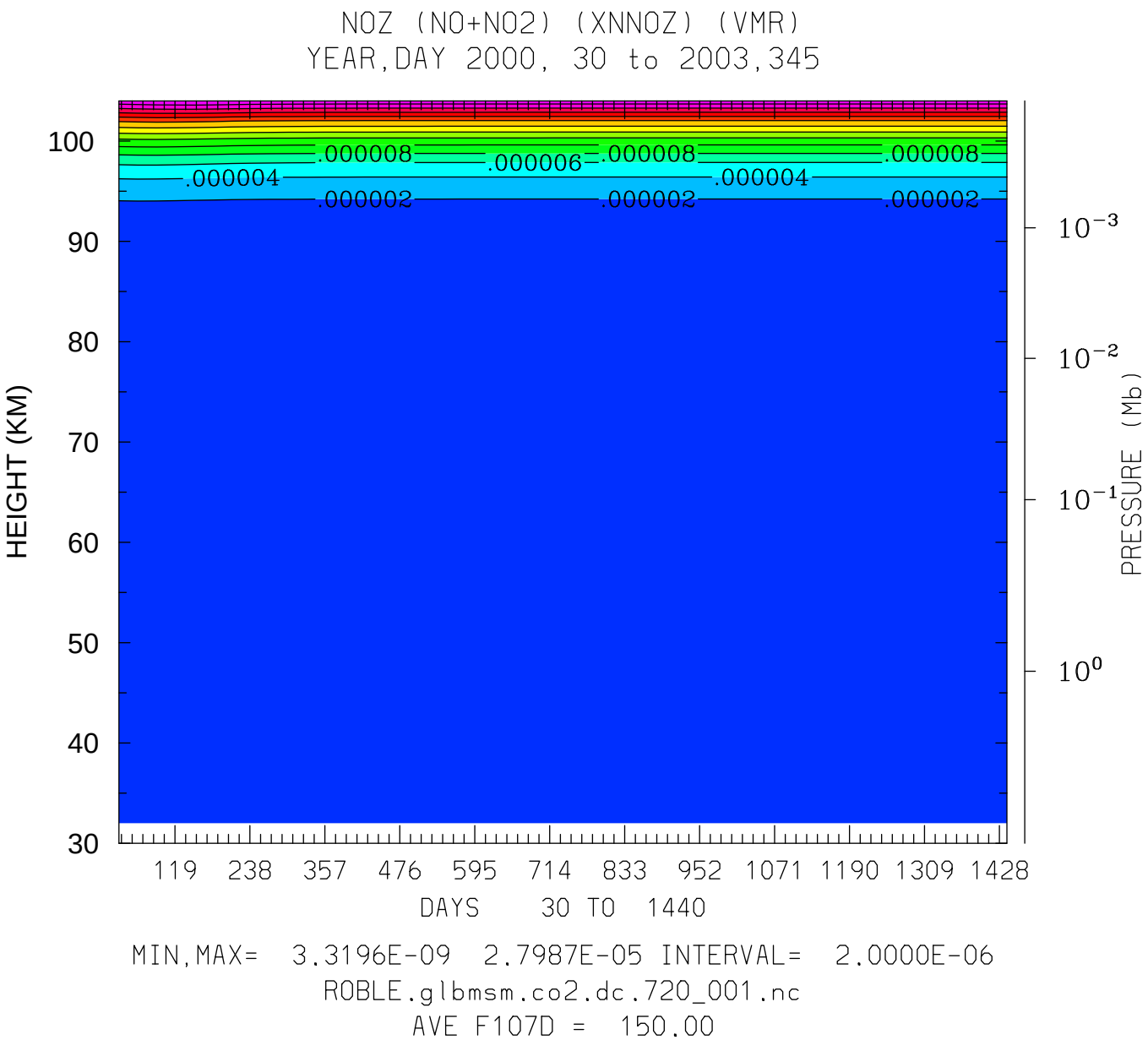
MIN,MAX= 7.6685E-15 6.0465E-09 INTERVAL= 5.0000E-10

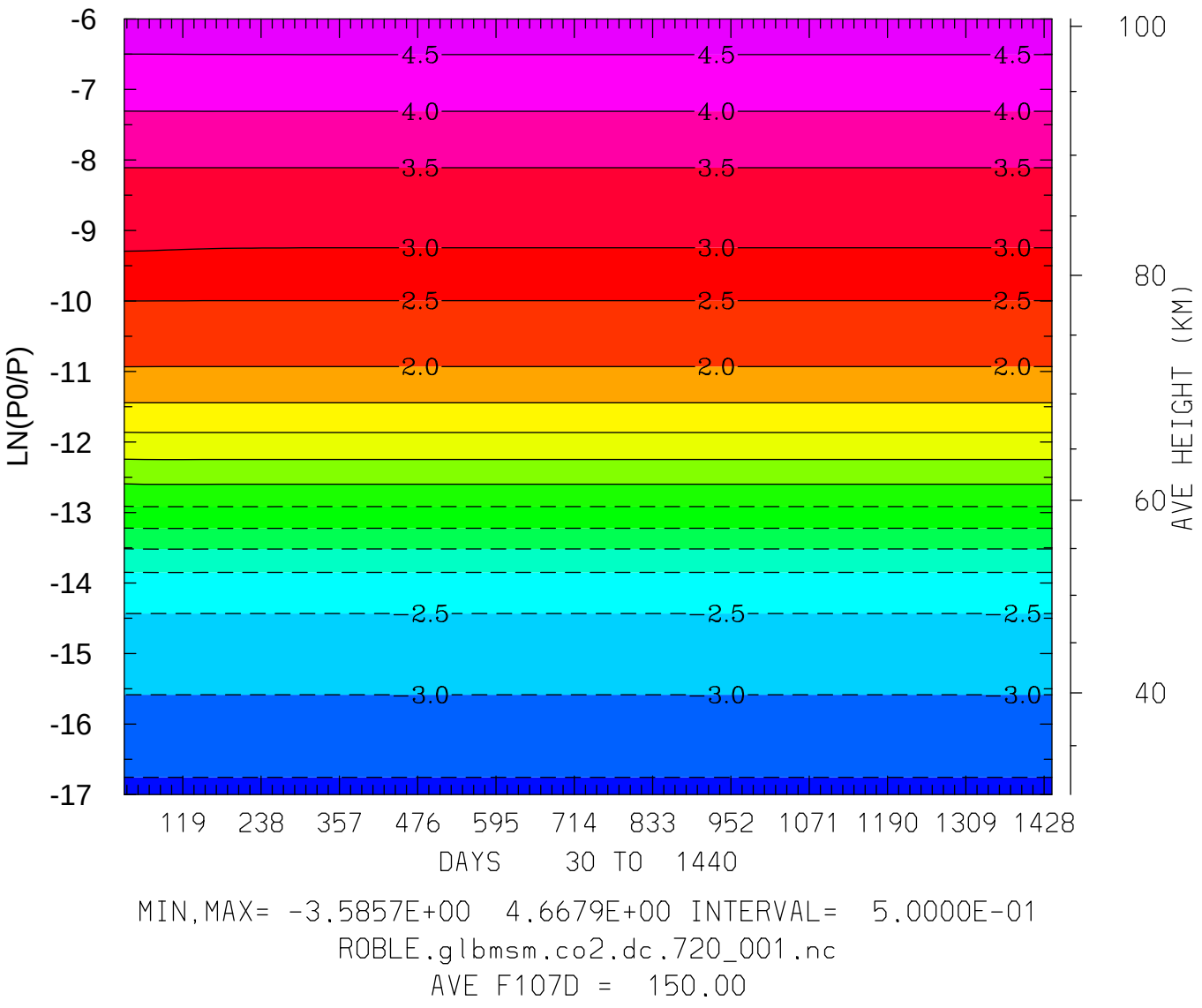
ROBLE.glbmsm.co2.dc.720_001.nc

AVE F107D = 150.00


NO2 (XNNO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
0.4×10⁻⁹
0.8×10⁻⁹
0.4×10⁻⁹
0.8×10⁻⁹
0.4×10⁻⁹
0.8×10⁻⁹
10⁻³
10⁻²
10⁻¹
10⁰
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 6.5530E-15 4.8393E-09 INTERVAL= 4.0000E-10
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


NOZ (NO+NO2) (XNNOZ) (VMR)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
.000002
.000002
.000002
.000001
.000001
.000001
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 3.2810E-09 1.3654E-05 INTERVAL= 1.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

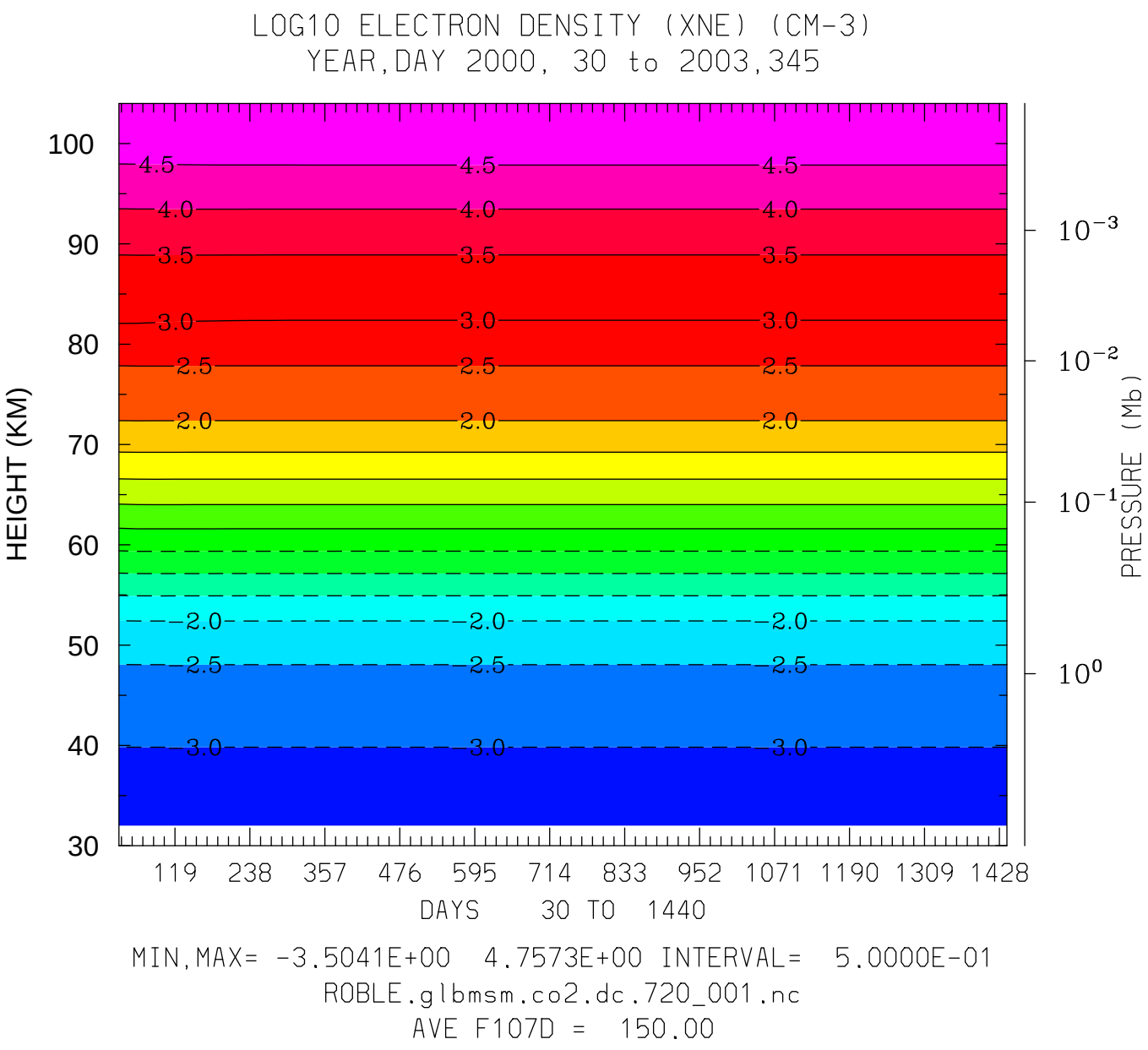

NOZ (NO+NO2) (XNNOZ) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.000008
.000006
.000008
.000008
.000004
.000004
.000002
.000002
.000002
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 3.3196E-09 2.7987E-05 INTERVAL= 2.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

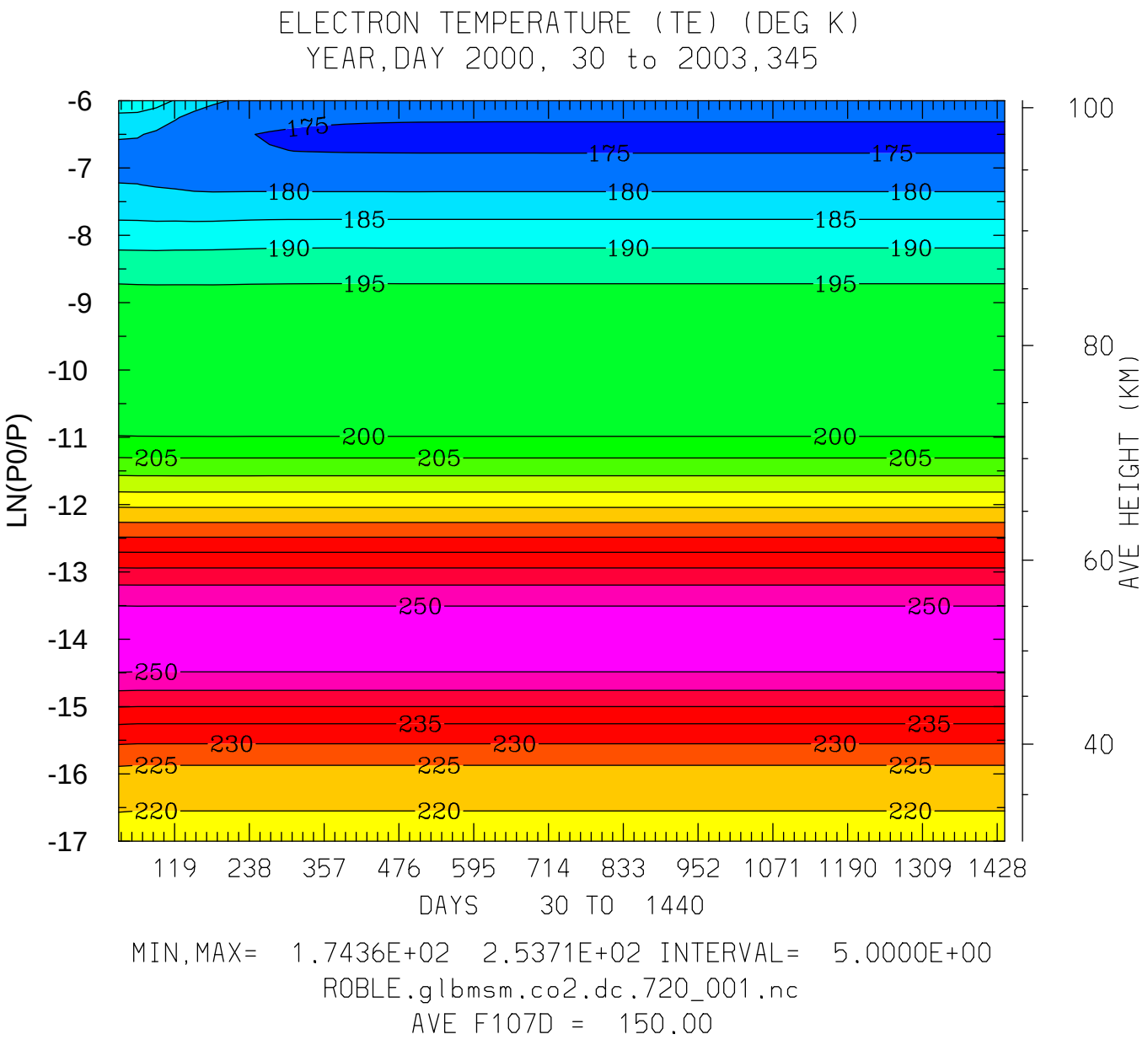


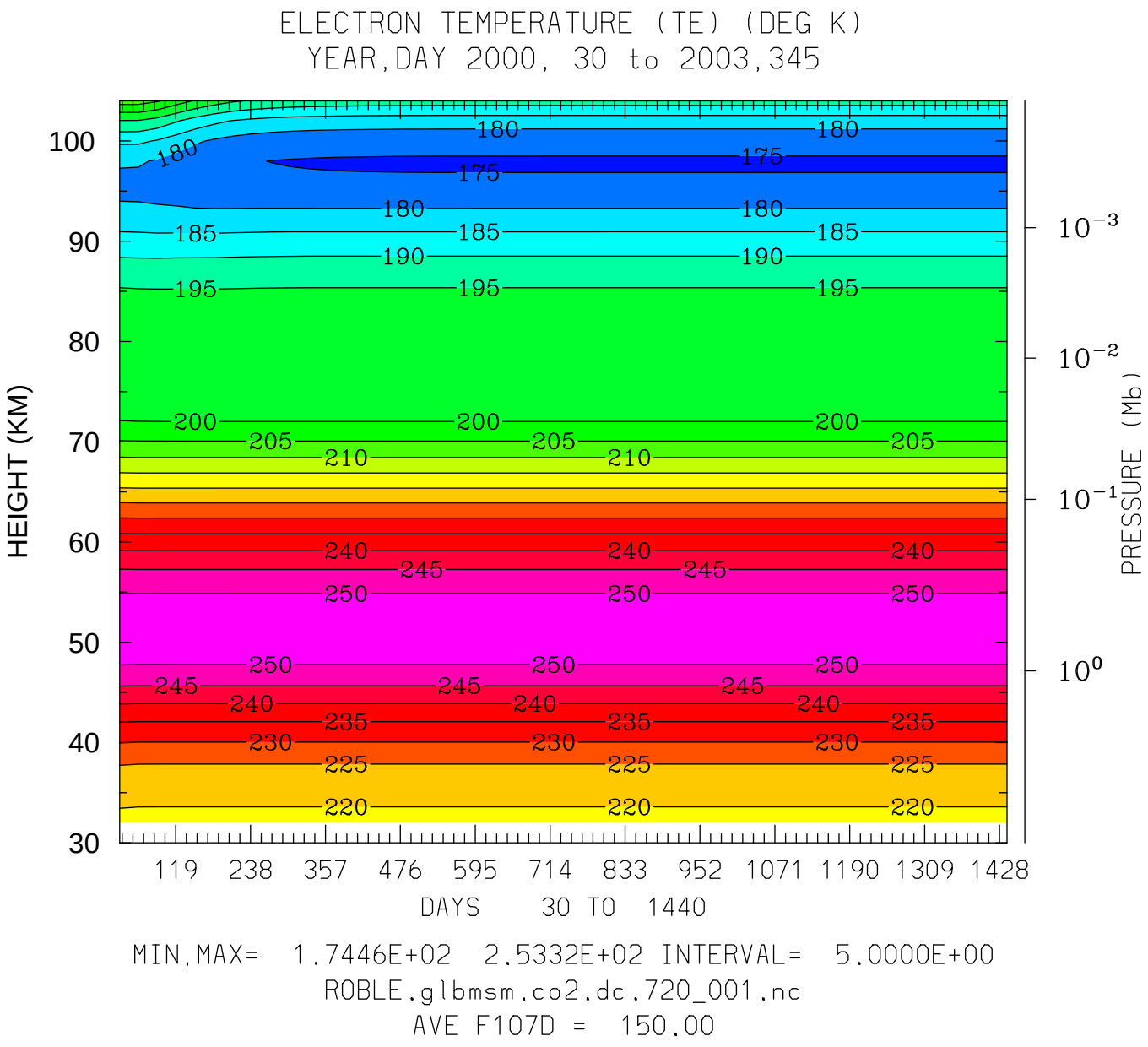
MIN,MAX= -3.5857E+00 4.6679E+00 INTERVAL= 5.0000E-01

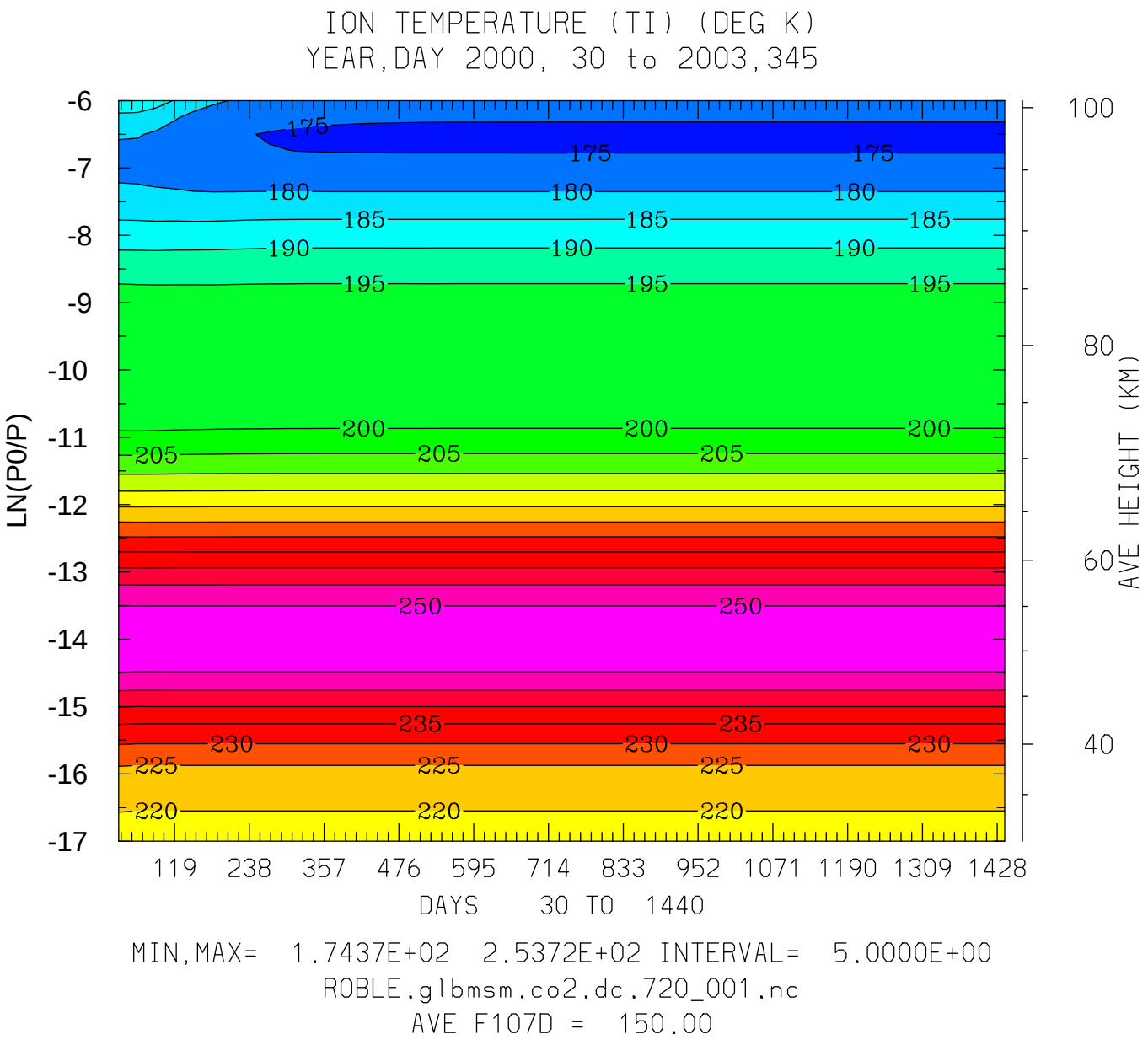
ROBLE.glbmsm.co2.dc.720_001.nc

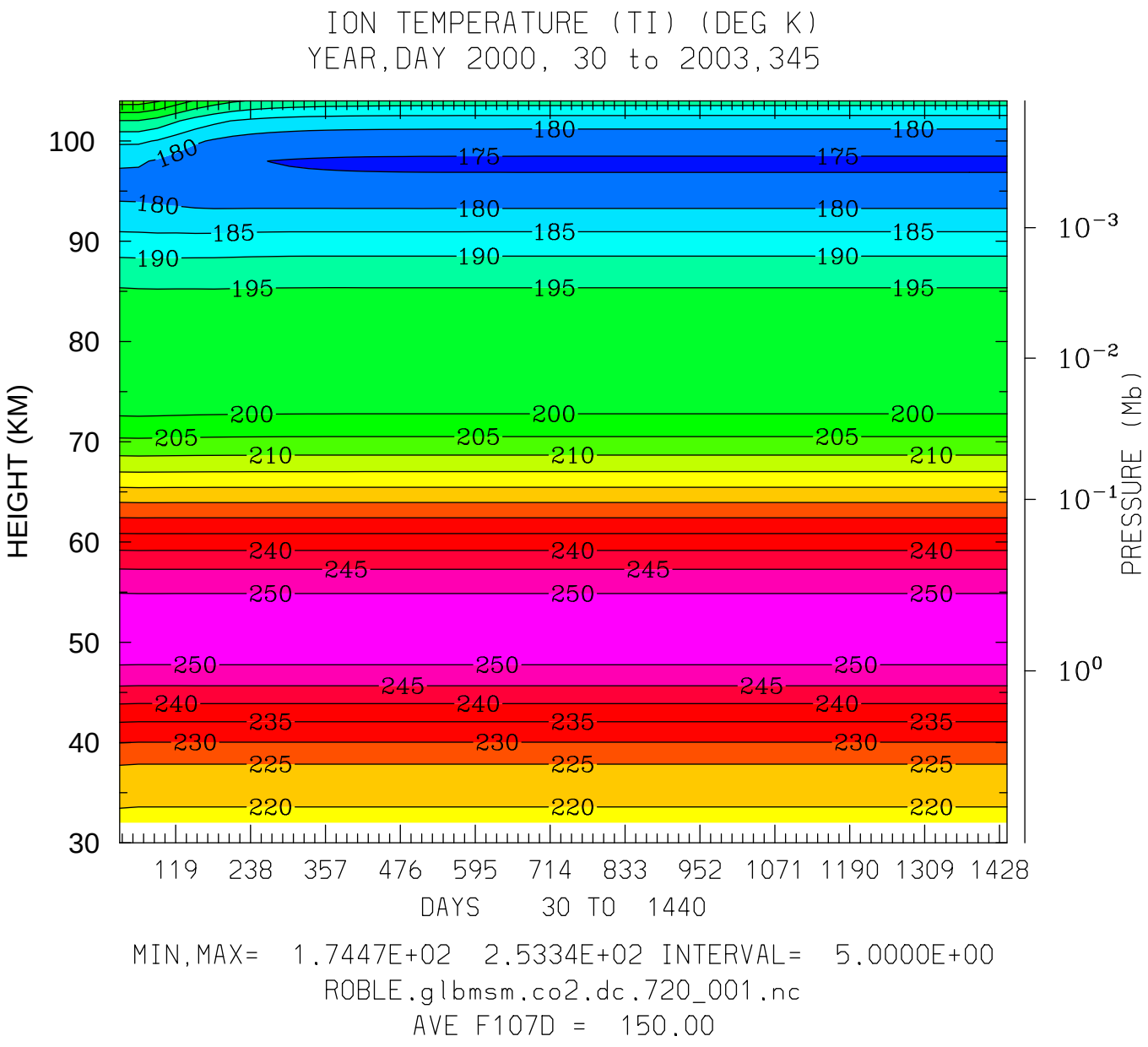
AVE F107D = 150.00

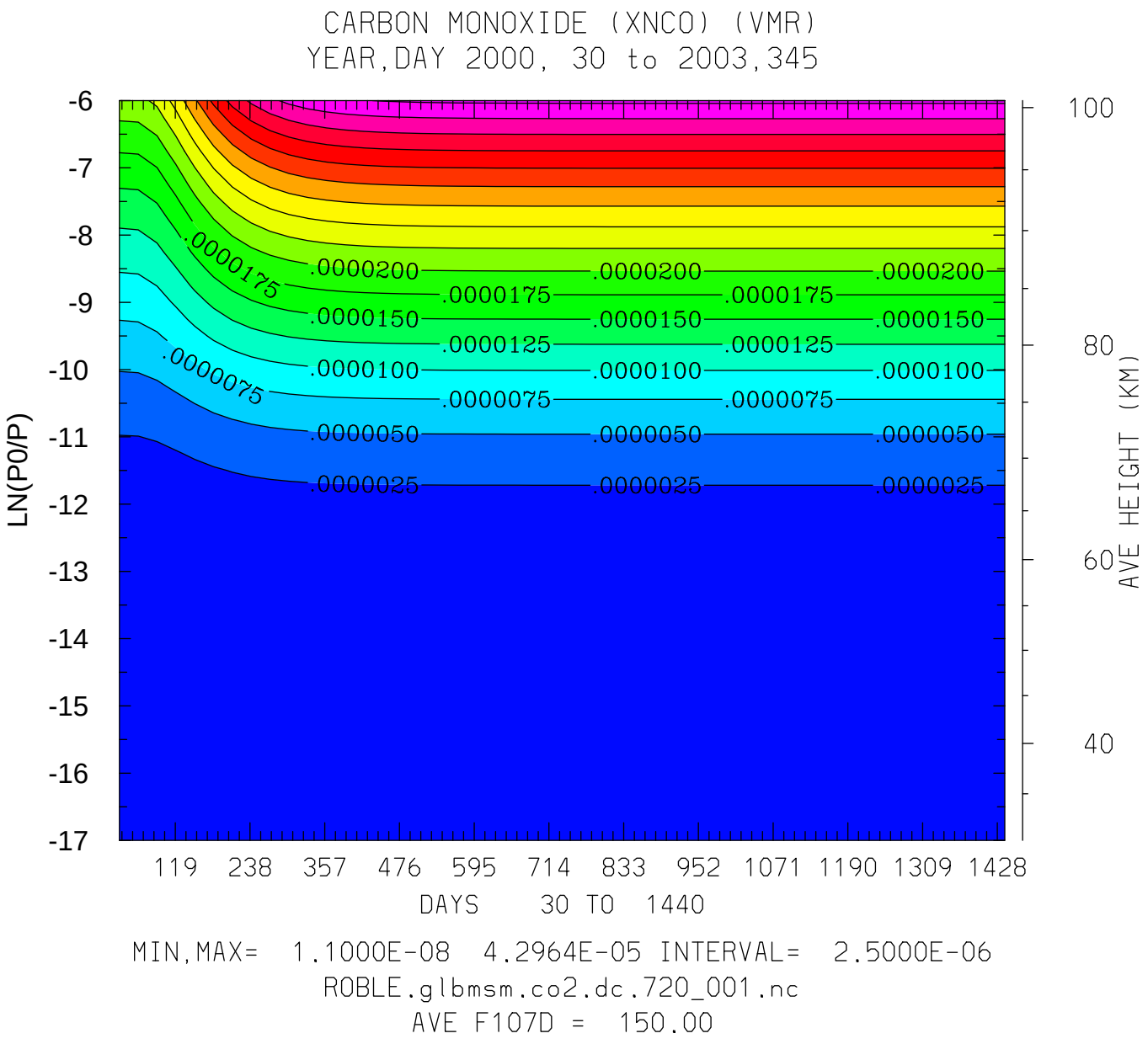

LOG10 ELECTRON DENSITY (XNE) (CM-3)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
4.5
4.0
3.5
3.0
2.5
2.0
2.0
2.5
3.0
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -3.5041E+00 4.7573E+00 INTERVAL= 5.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

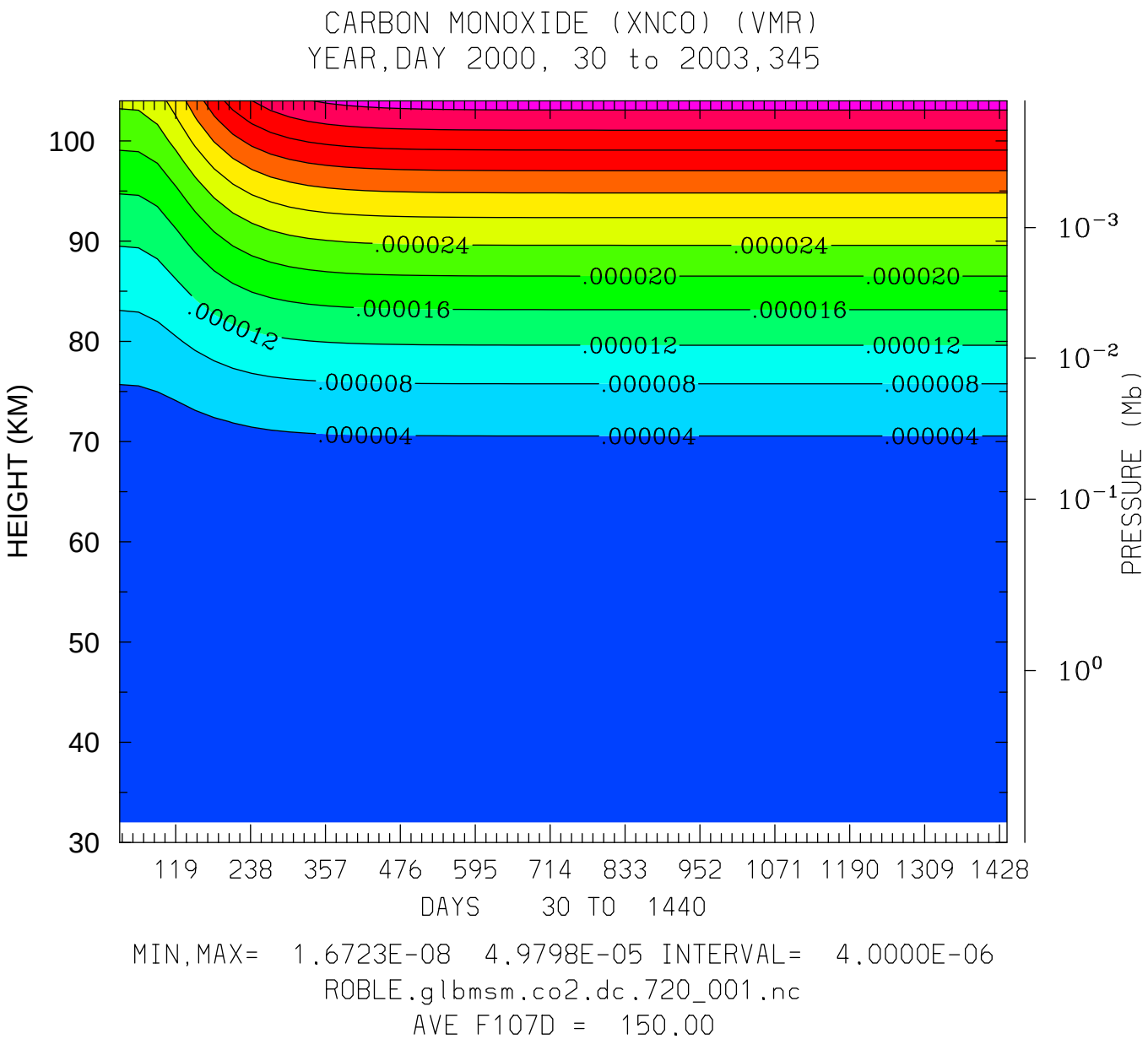

ELECTRON TEMPERATURE (TE) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
175
180
185
190
195
200
205
250
235
230
225
220
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7436E+02 2.5371E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

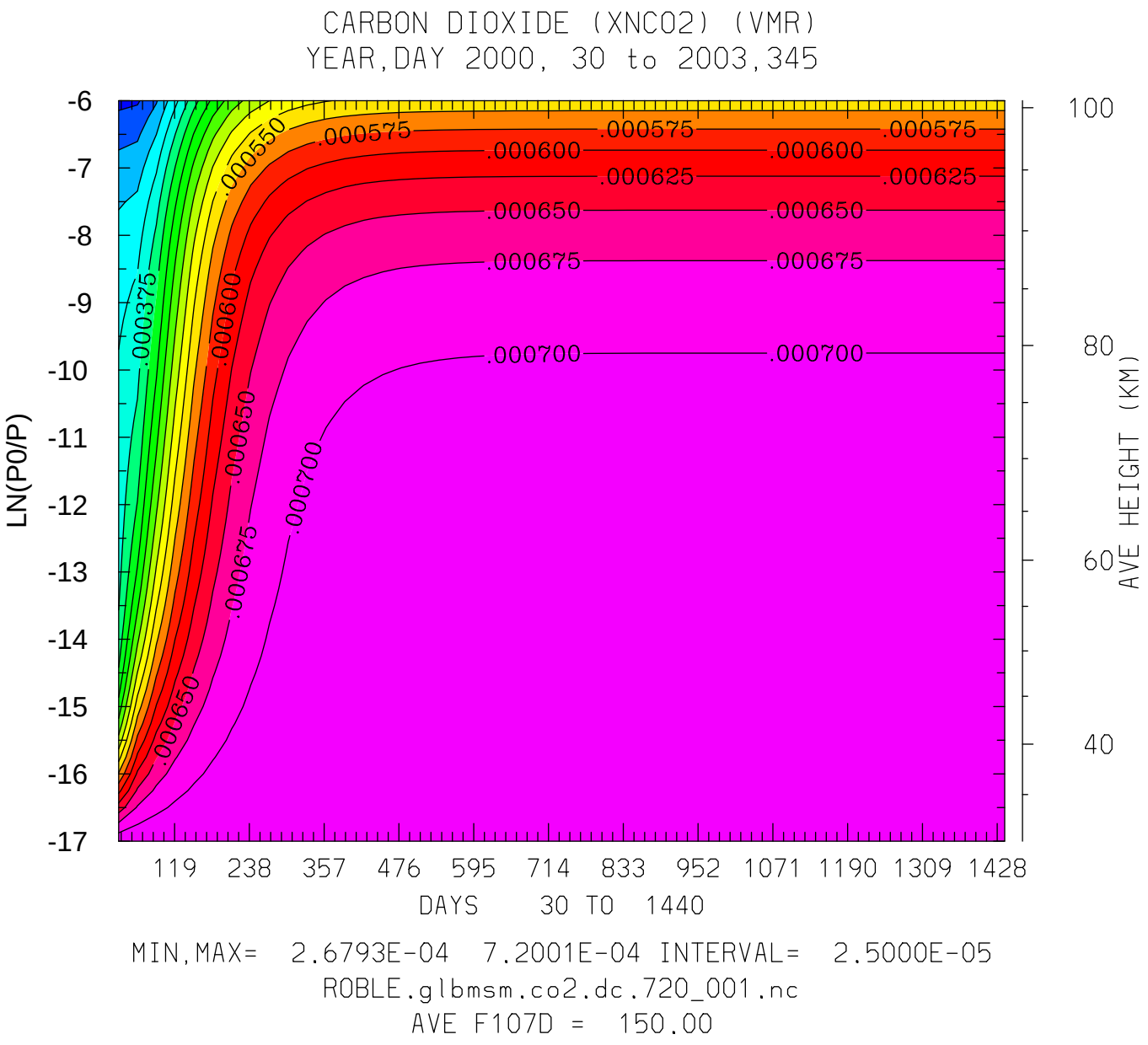

ELECTRON TEMPERATURE (TE) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
180
175
185
190
195
200
205
210
240
245
250
235
230
225
220
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7446E+02 2.5332E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

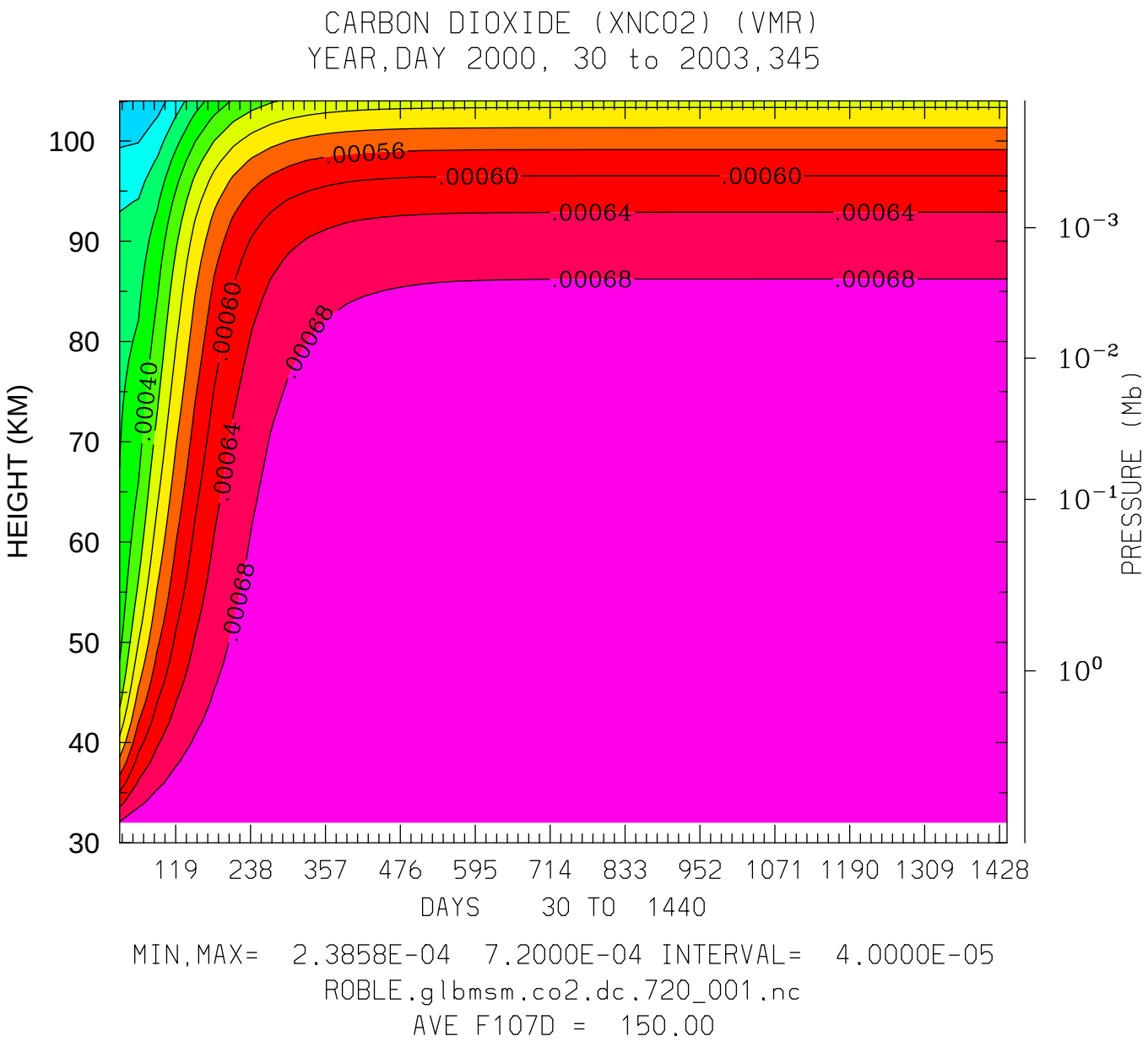

ION TEMPERATURE (TI) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
175
180
185
190
195
200
205
250
235
230
225
220
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7437E+02 2.5372E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

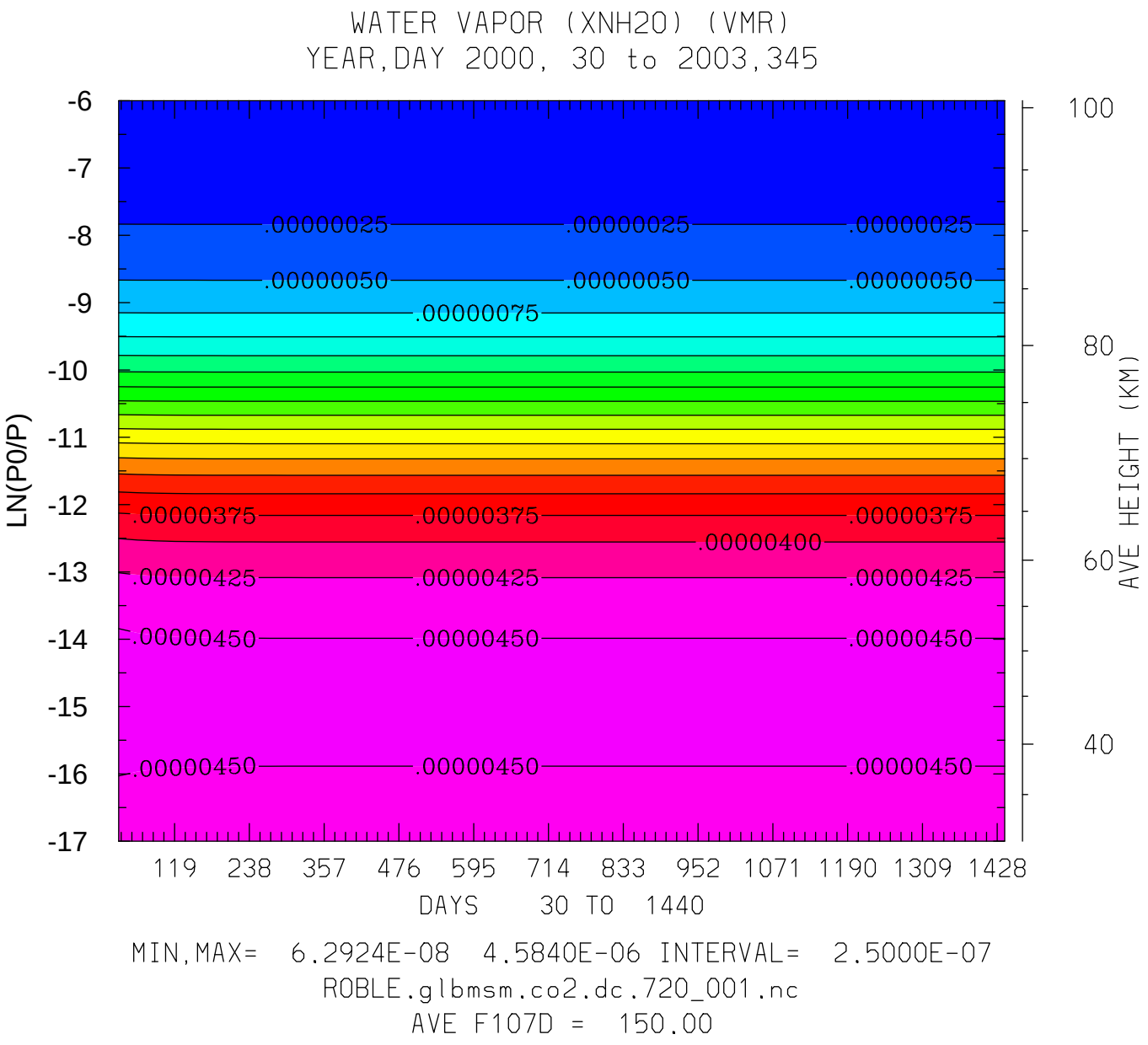

ION TEMPERATURE (TI) (DEG K)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
180
175
185
190
195
200
205
210
240
245
250
235
230
225
220
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.7447E+02 2.5334E+02 INTERVAL= 5.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

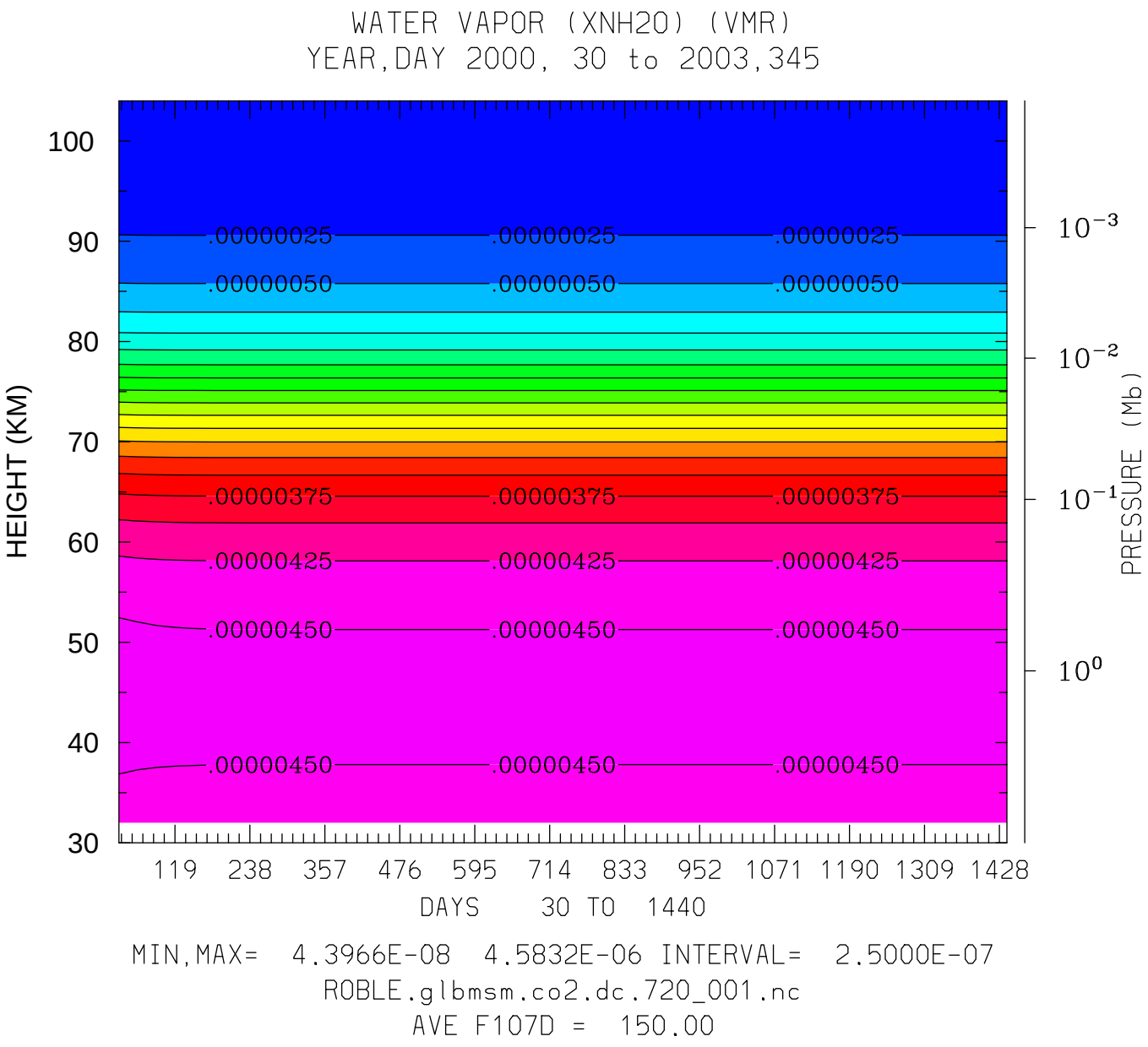

CARBON MONOXIDE (XNCO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
.0000200
.0000175
.0000150
.0000125
.0000100
.0000075
.0000050
.0000025
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.1000E-08 4.2964E-05 INTERVAL= 2.5000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

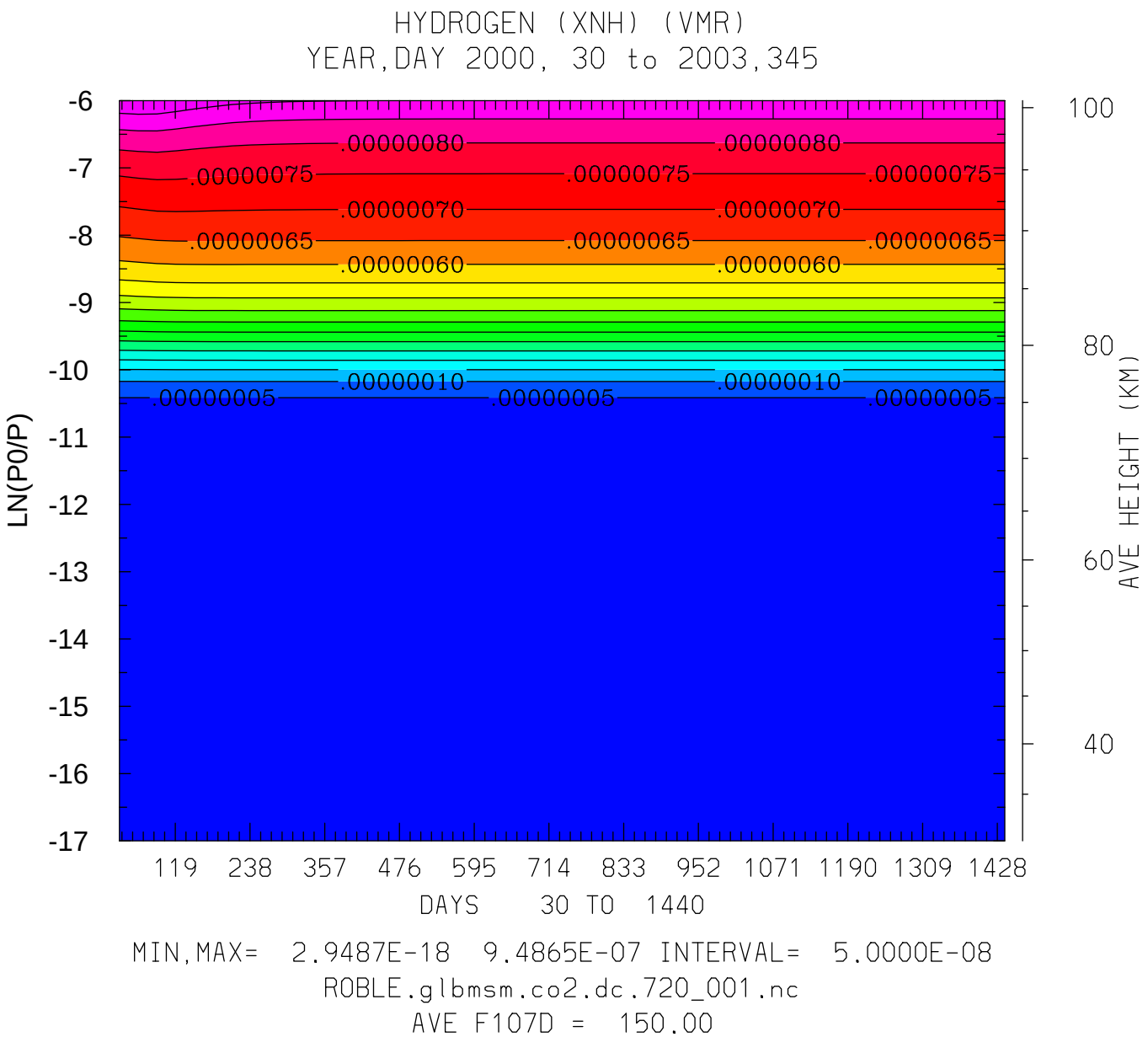

CARBON MONOXIDE (XNCO) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.000024
.000020
.000016
.000012
.000008
.000004
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.6723E-08 4.9798E-05 INTERVAL= 4.0000E-06
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

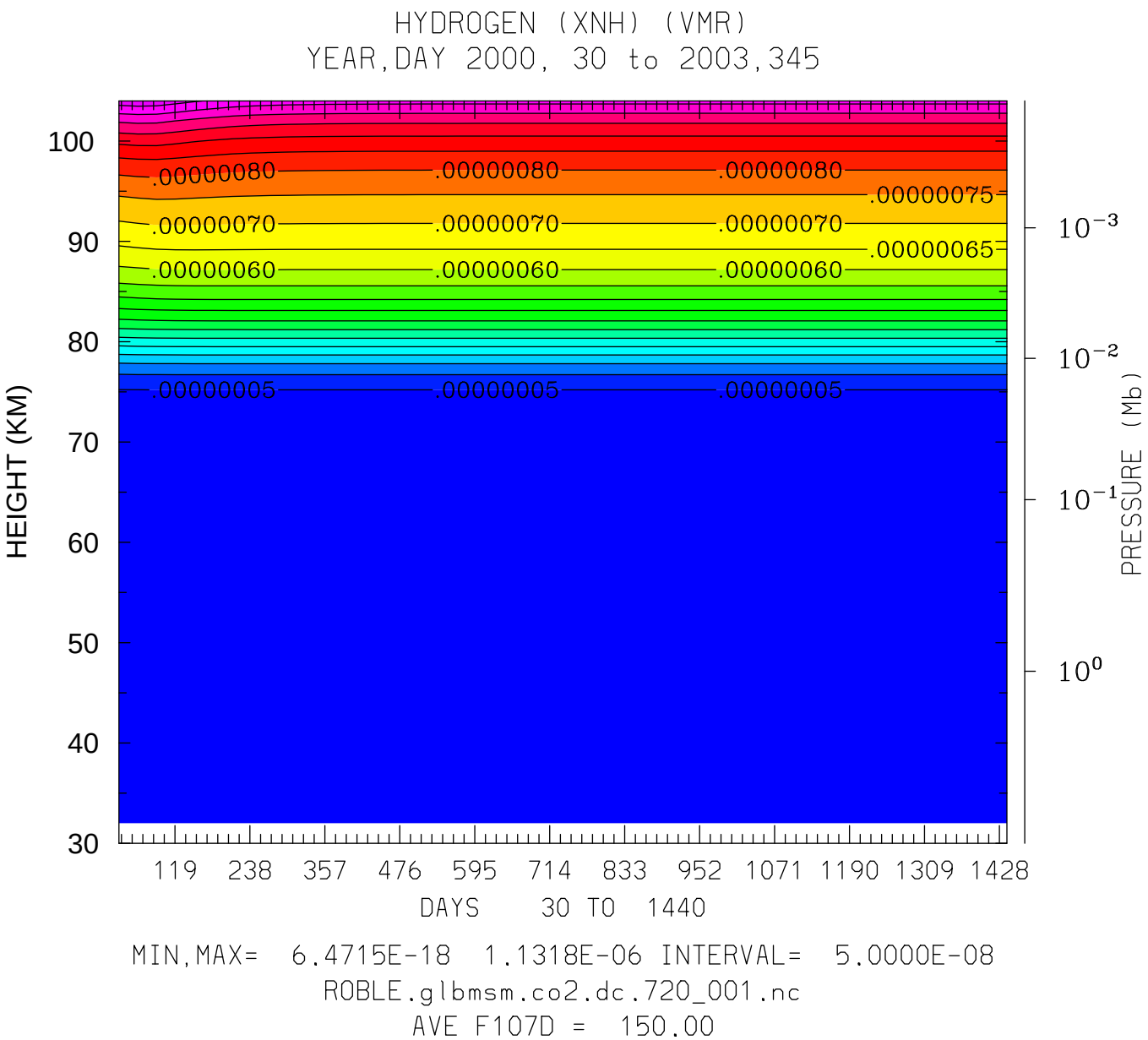

CARBON DIOXIDE (XNCO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
.000375
.000550
.000575
.000600
.000625
.000650
.000675
.000700
119
238
357
476
595
714
833
952
1071
1190
1309
1428
DAYS 30 TO 1440
MIN,MAX= 2.6793E-04 7.2001E-04 INTERVAL= 2.5000E-05
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

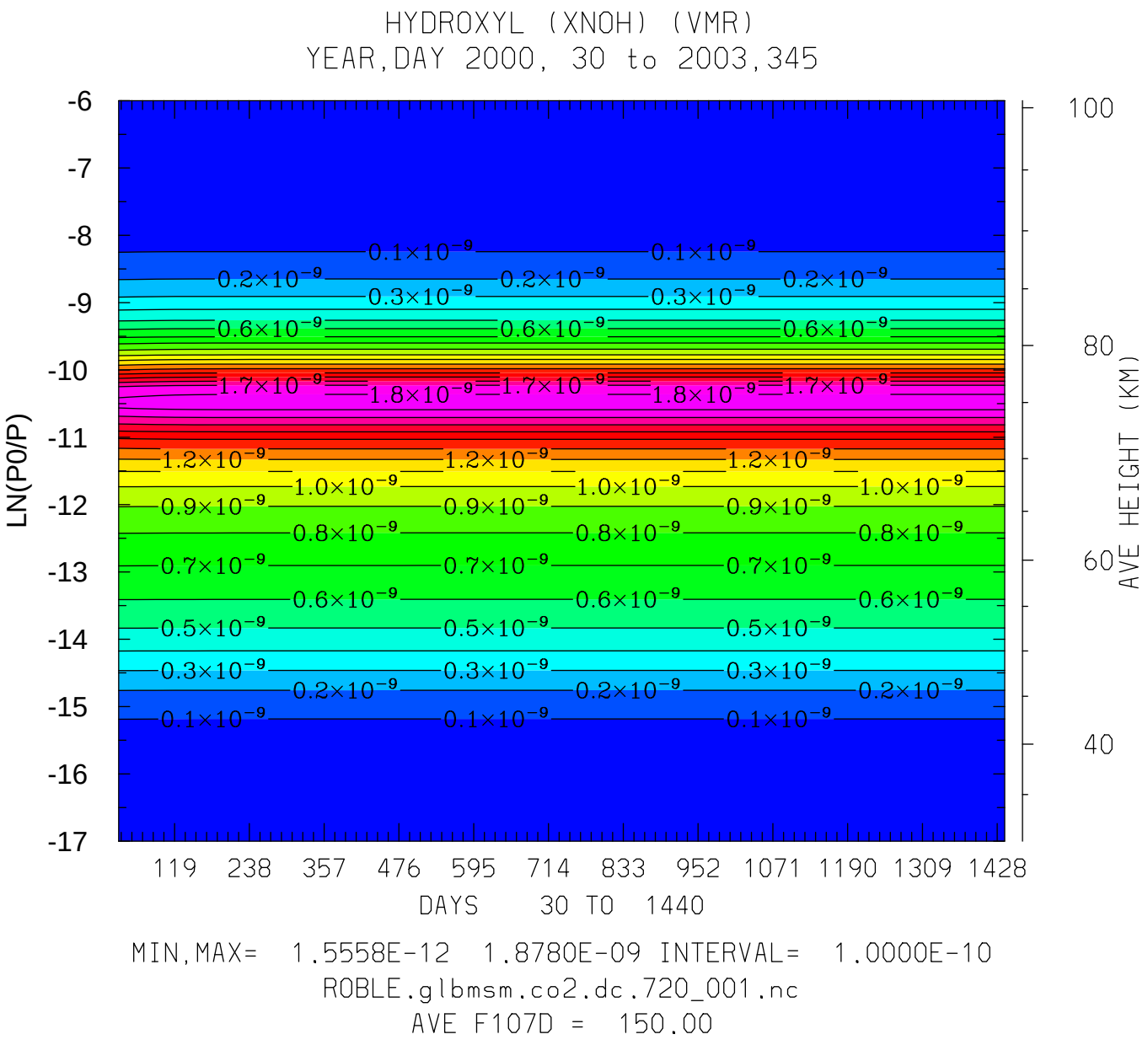

CARBON DIOXIDE (XNCO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.00040
.00056
.00060
.00064
.00068
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.3858E-04 7.2000E-04 INTERVAL= 4.0000E-05
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


WATER VAPOR (XNH2O) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
.00000025
.00000050
.00000075
.00000375
.00000400
.00000425
.00000450
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 6.2924E-08 4.5840E-06 INTERVAL= 2.5000E-07
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


WATER VAPOR (XNH2O) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.00000025
.00000050
.00000375
.00000425
.00000450
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 4.3966E-08 4.5832E-06 INTERVAL= 2.5000E-07
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


HYDROGEN (XNH) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.00000080
.00000075
.00000070
.00000065
.00000060
.00000010
.00000005
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.9487E-18 9.4865E-07 INTERVAL= 5.0000E-08
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

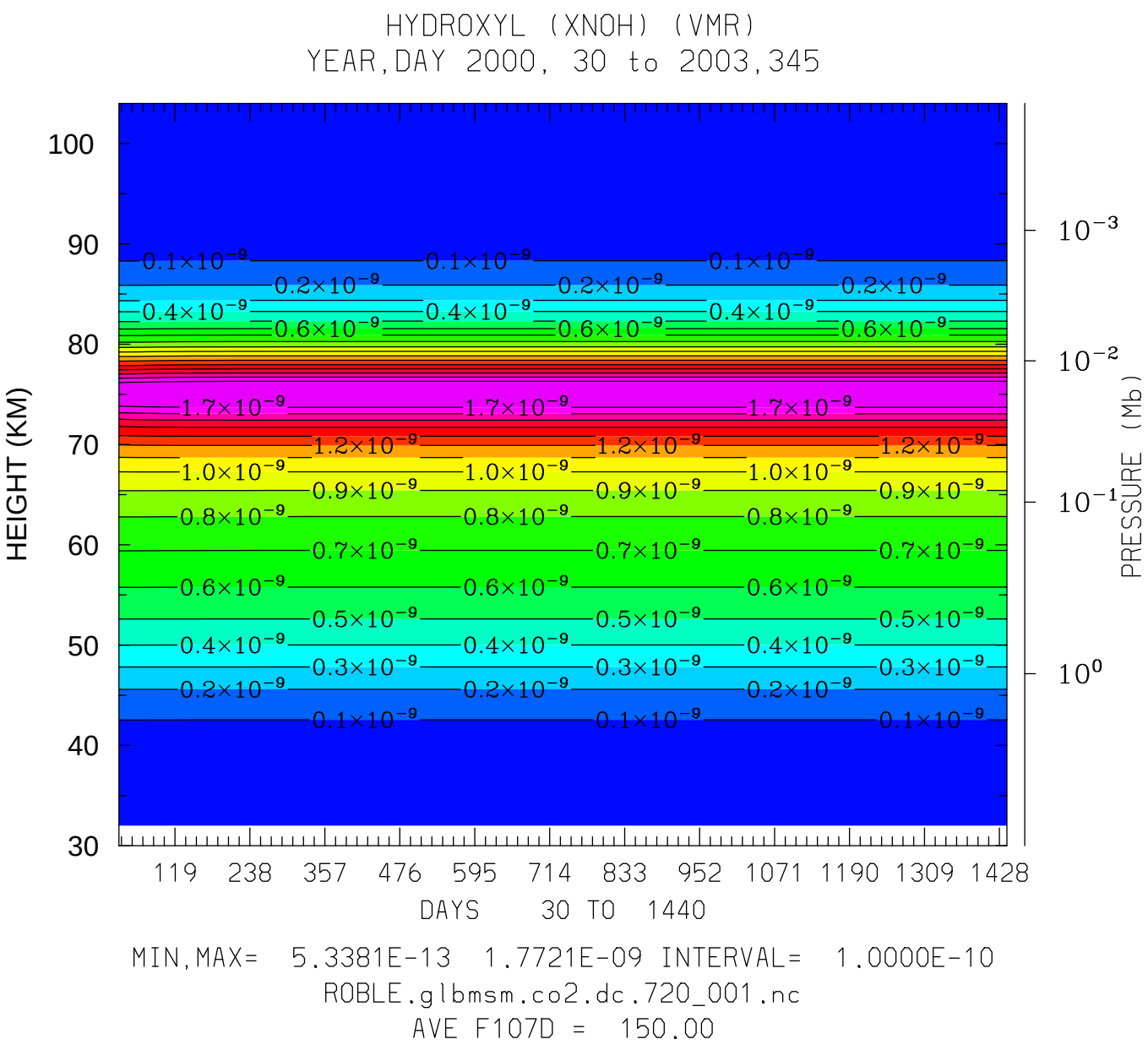

HYDROGEN (XNH) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.00000080
.00000080
.00000080
.00000075
.00000070
.00000070
.00000070
.00000065
.00000060
.00000060
.00000060
.00000005
.00000005
.00000005
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 6.4715E-18 1.1318E-06 INTERVAL= 5.0000E-08
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00



MIN,MAX= 1.5558E-12 1.8780E-09 INTERVAL= 1.0000E-10

ROBLE.glbmsm.co2.dc.720_001.nc

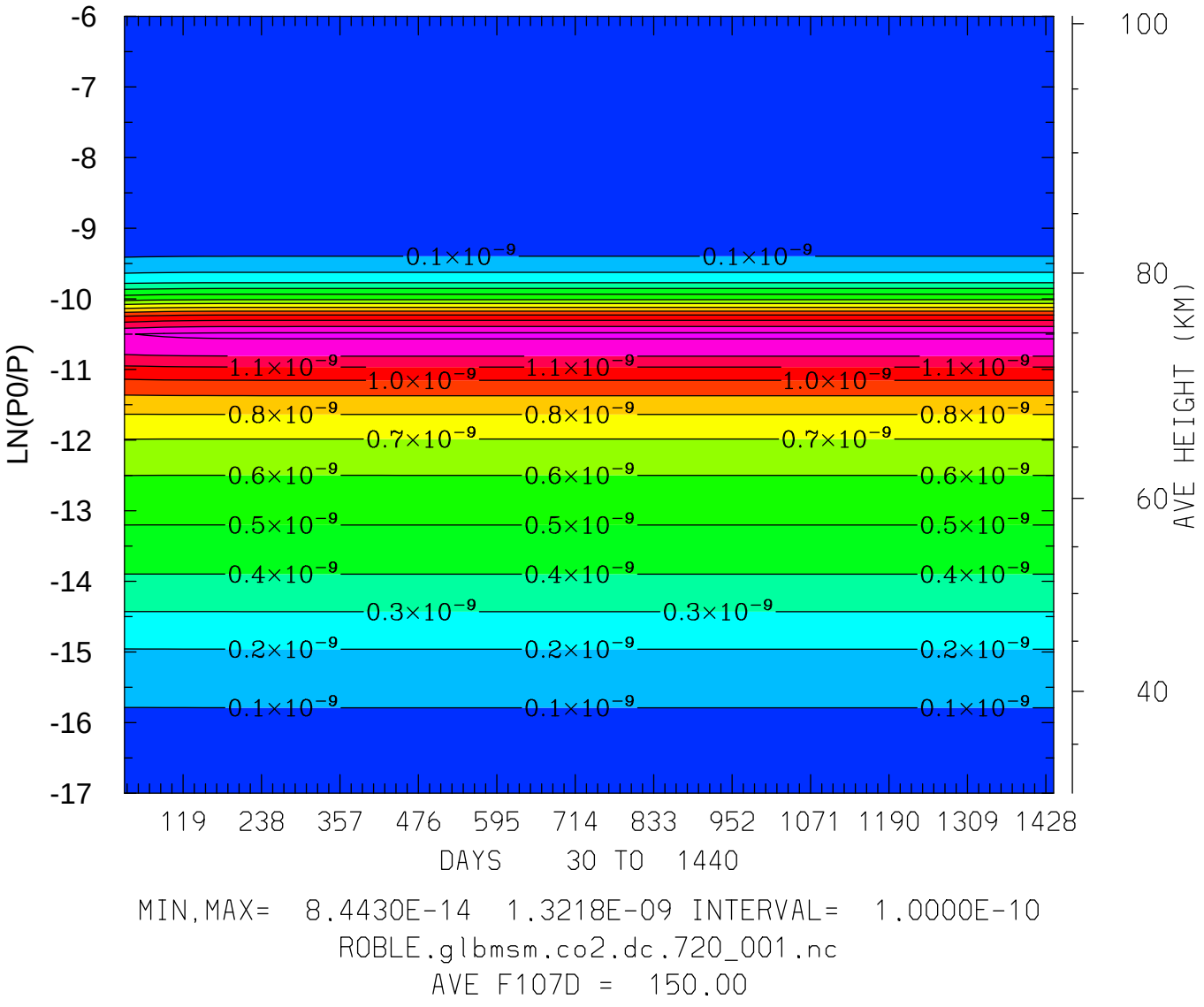
AVE F107D = 150.00



MIN,MAX= 5.3381E-13 1.7721E-09 INTERVAL= 1.0000E-10

ROBLE.glbmsm.co2.dc.720_001.nc

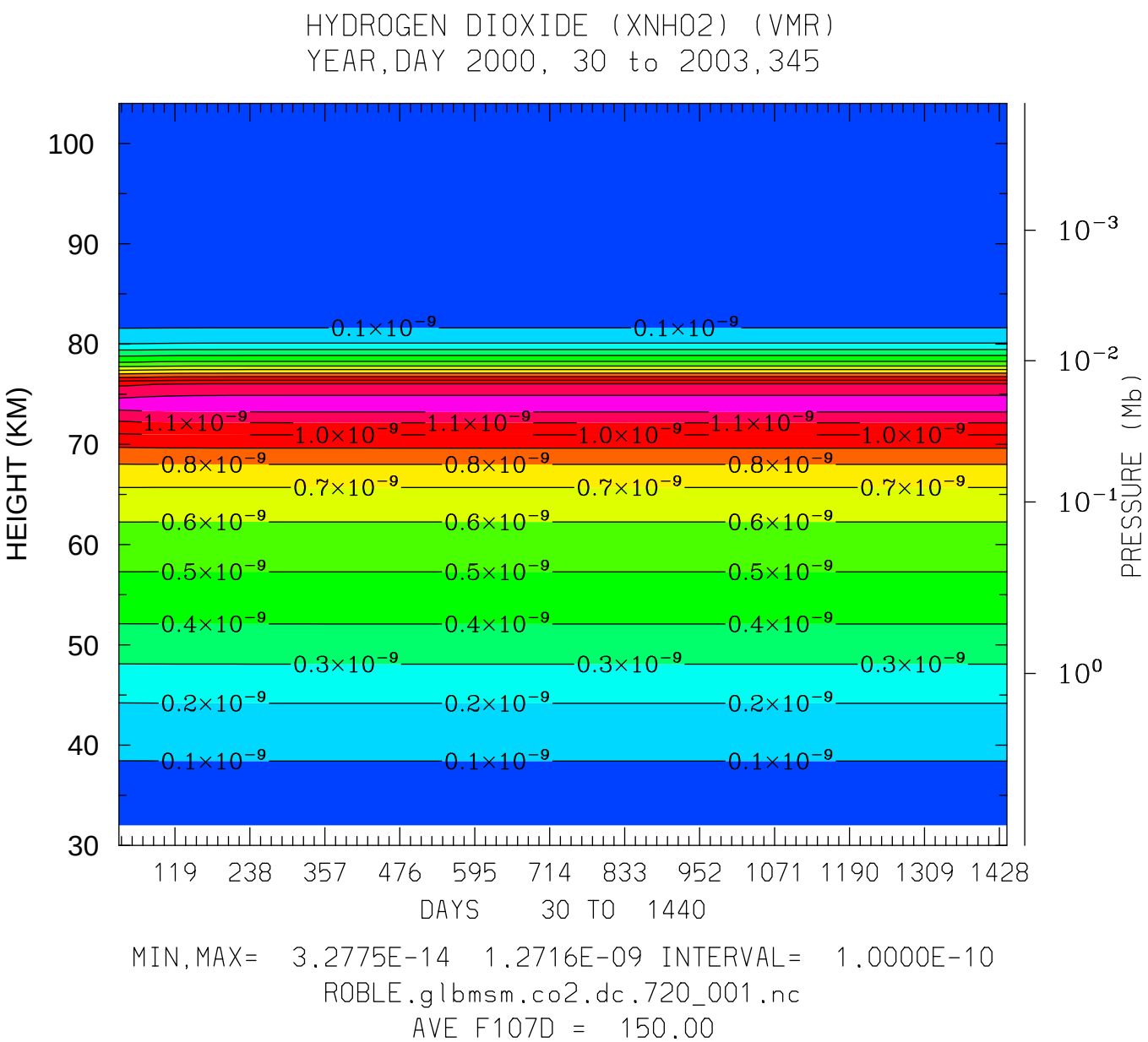
AVE F107D = 150.00

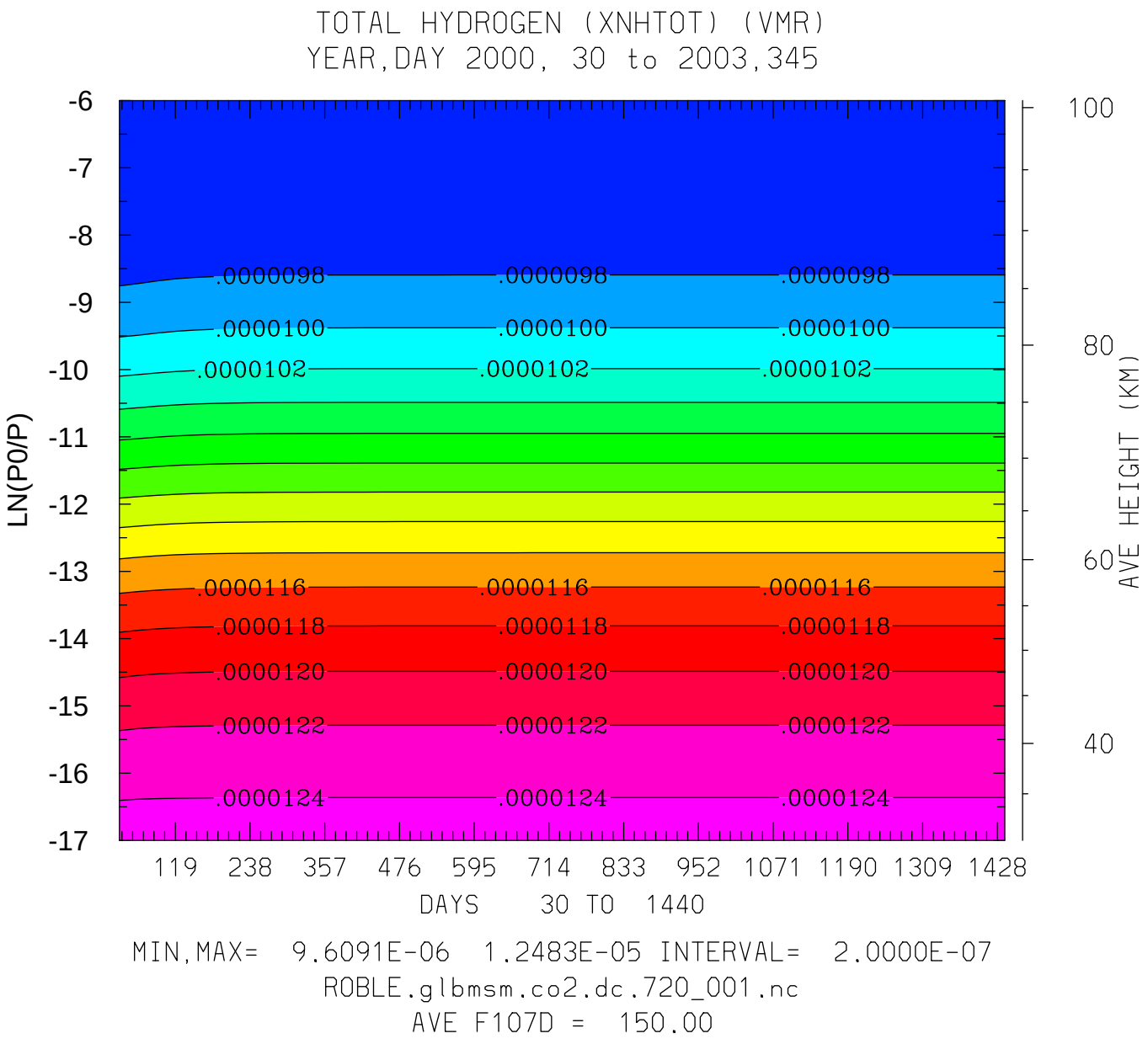


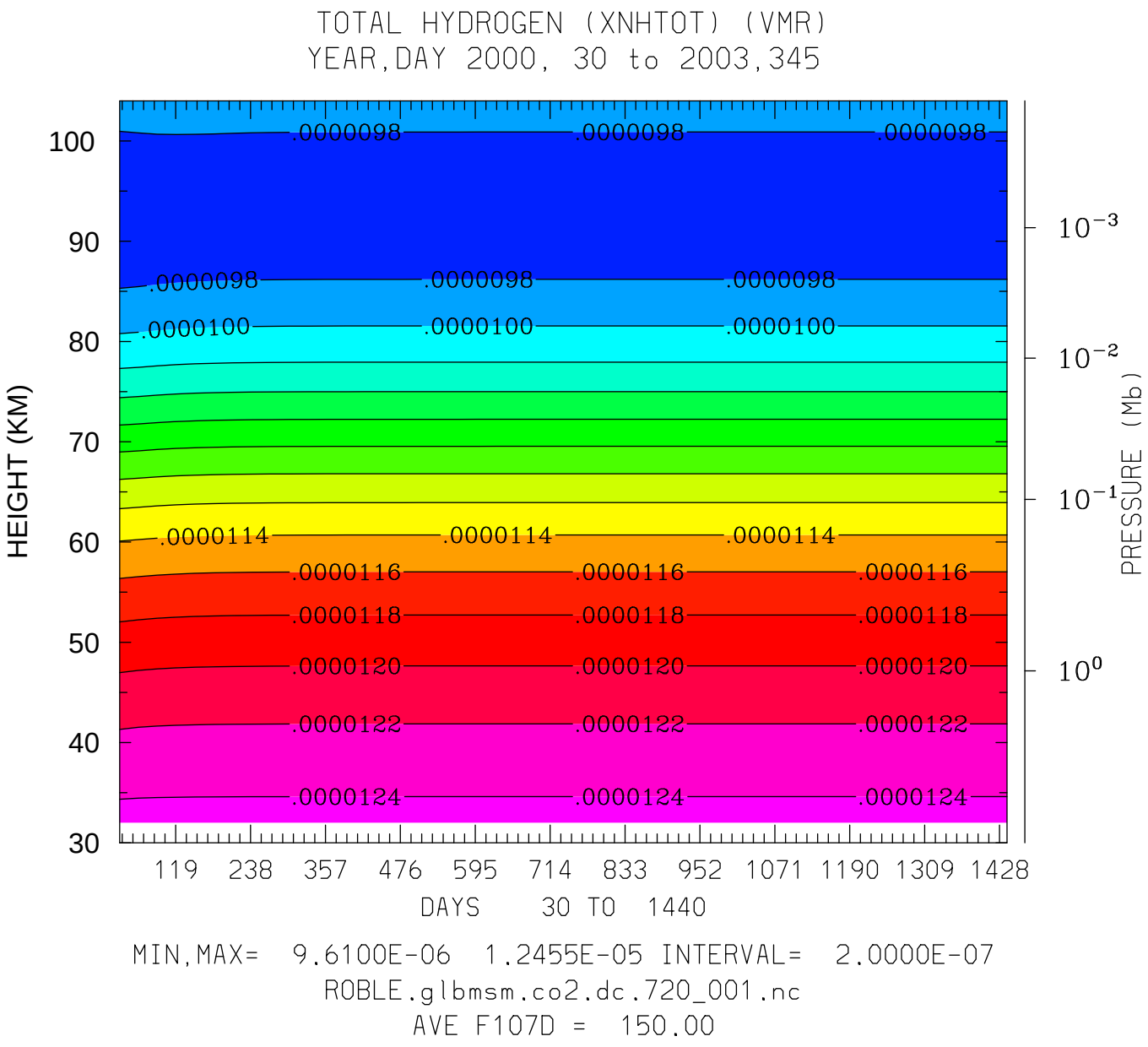
MIN,MAX= 8.4430E-14 1.3218E-09 INTERVAL= 1.0000E-10

ROBLE.glbmsm.co2.dc.720_001.nc

AVE F107D = 150.00


HYDROGEN DIOXIDE (XNHO2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
0.1×10^{-9}
1.1×10^{-9}
1.0×10^{-9}
0.8×10^{-9}
0.7×10^{-9}
0.6×10^{-9}
0.5×10^{-9}
0.4×10^{-9}
0.3×10^{-9}
0.2×10^{-9}
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 3.2775E-14 1.2716E-09 INTERVAL= 1.0000E-10
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

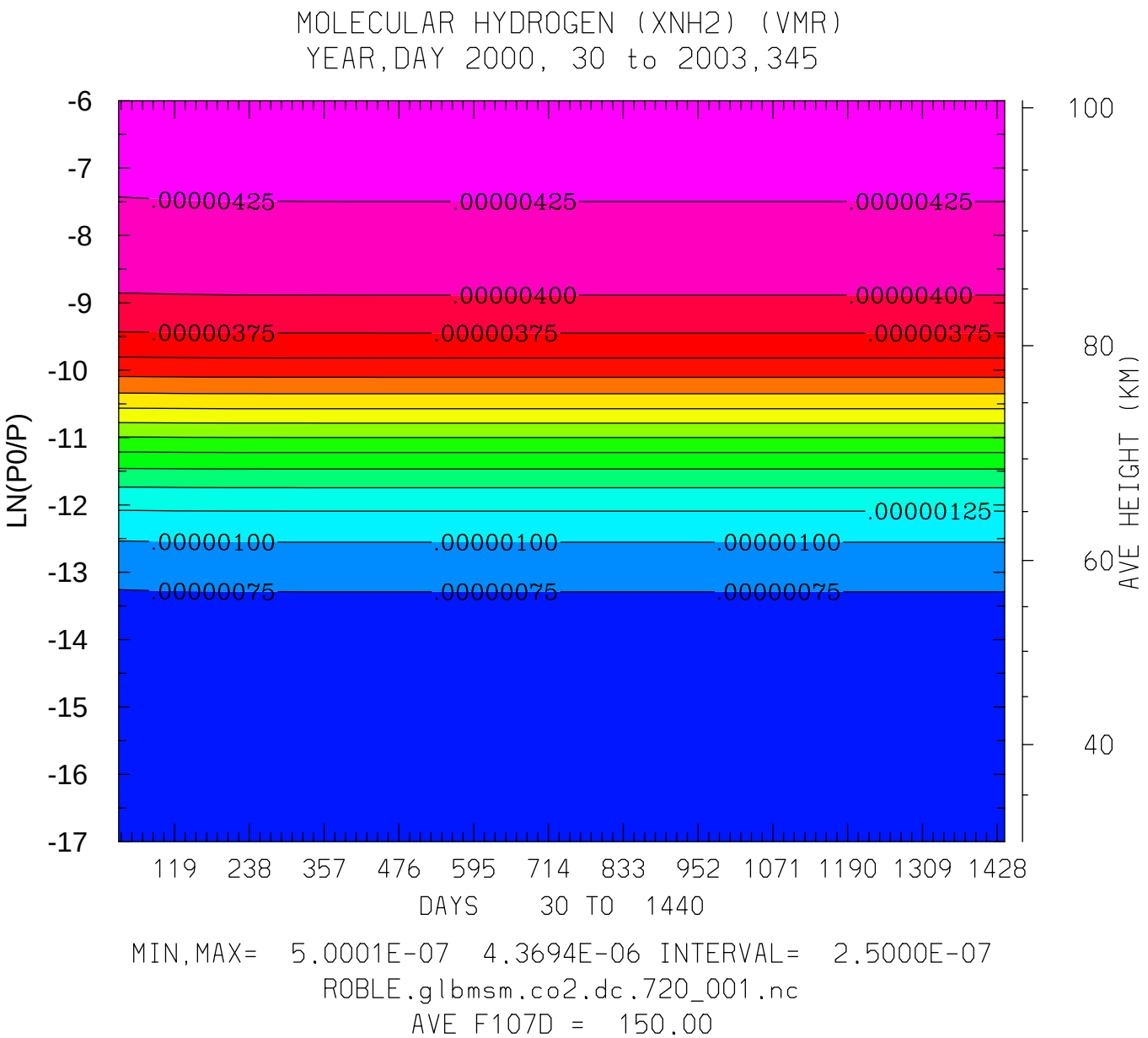

TOTAL HYDROGEN (XNHTOT) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.0000098
.0000100
.0000102
.0000116
.0000118
.0000120
.0000122
.0000124
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 9.6091E-06 1.2483E-05 INTERVAL= 2.0000E-07
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

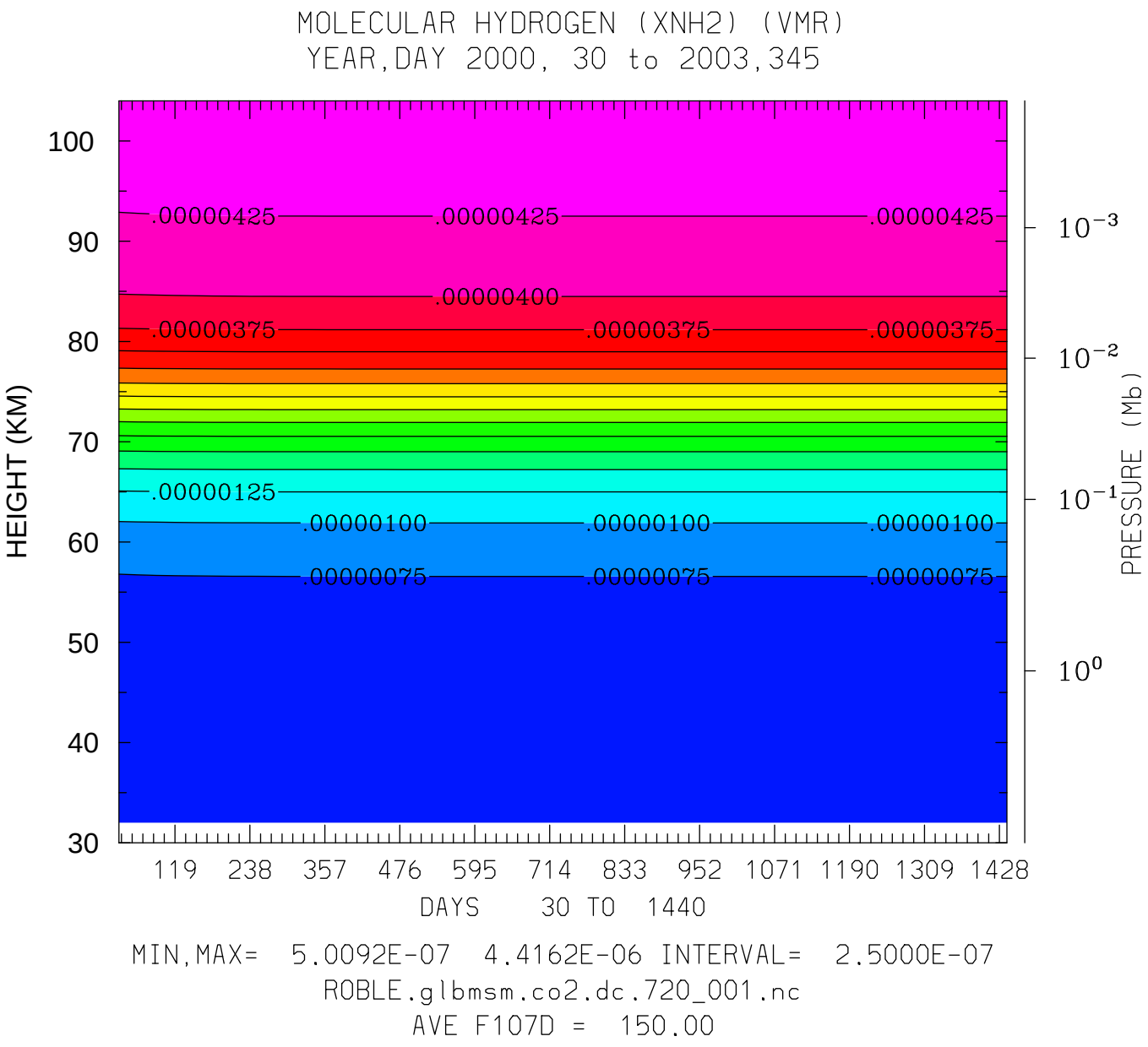


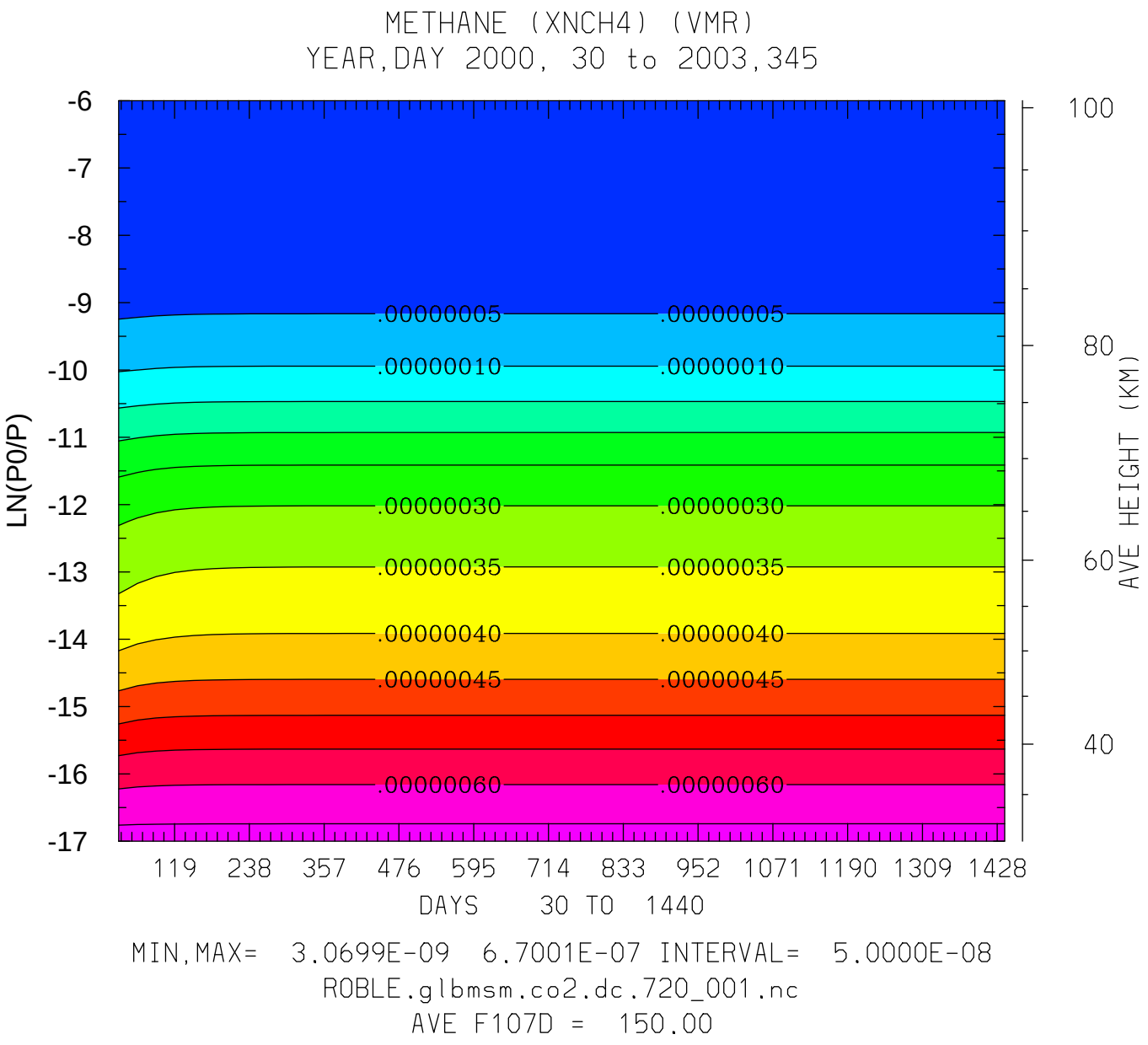
MIN,MAX= 9.6100E-06 1.2455E-05 INTERVAL= 2.0000E-07

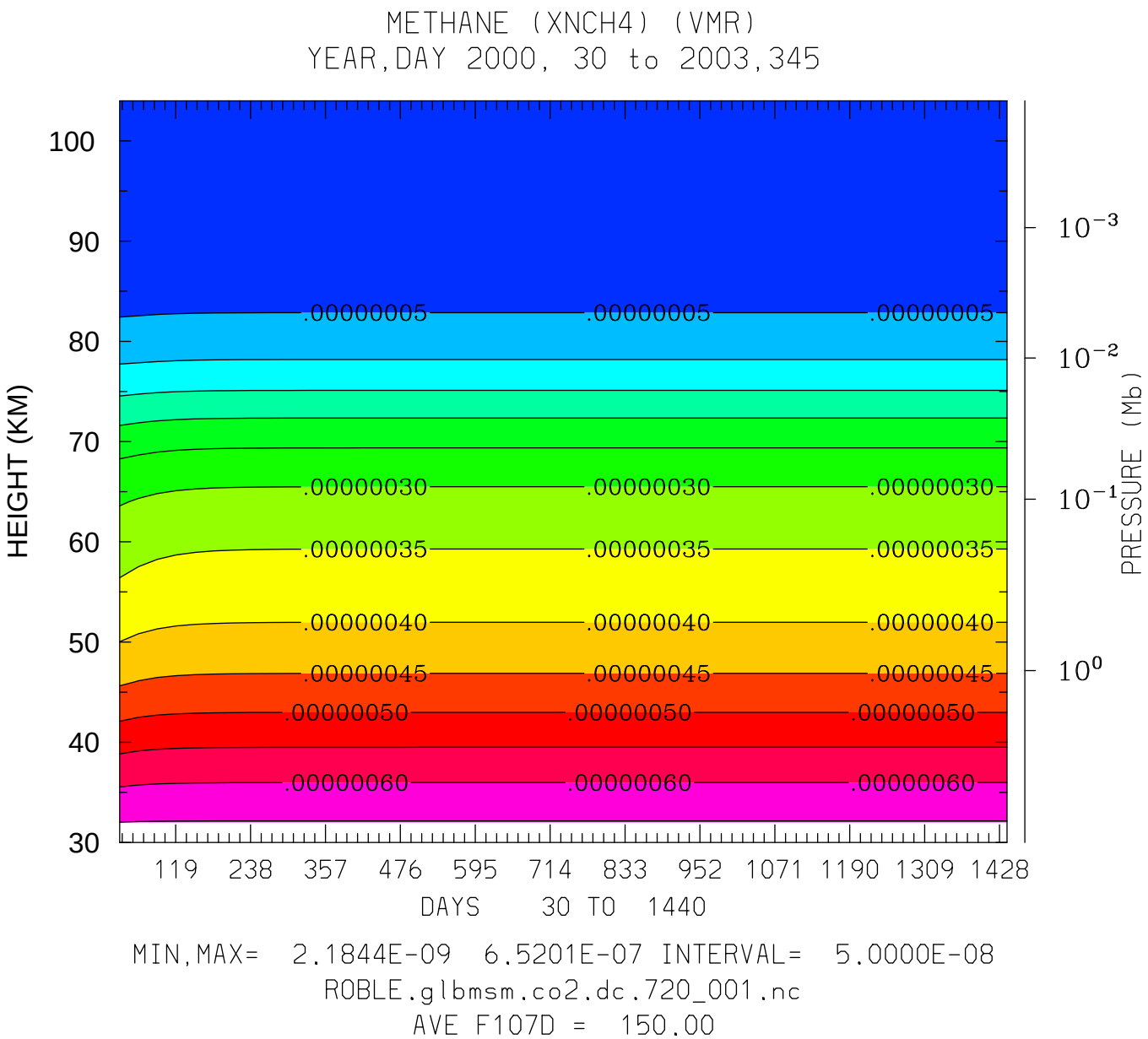
ROBLE.glbmsm.co2.dc.720_001.nc

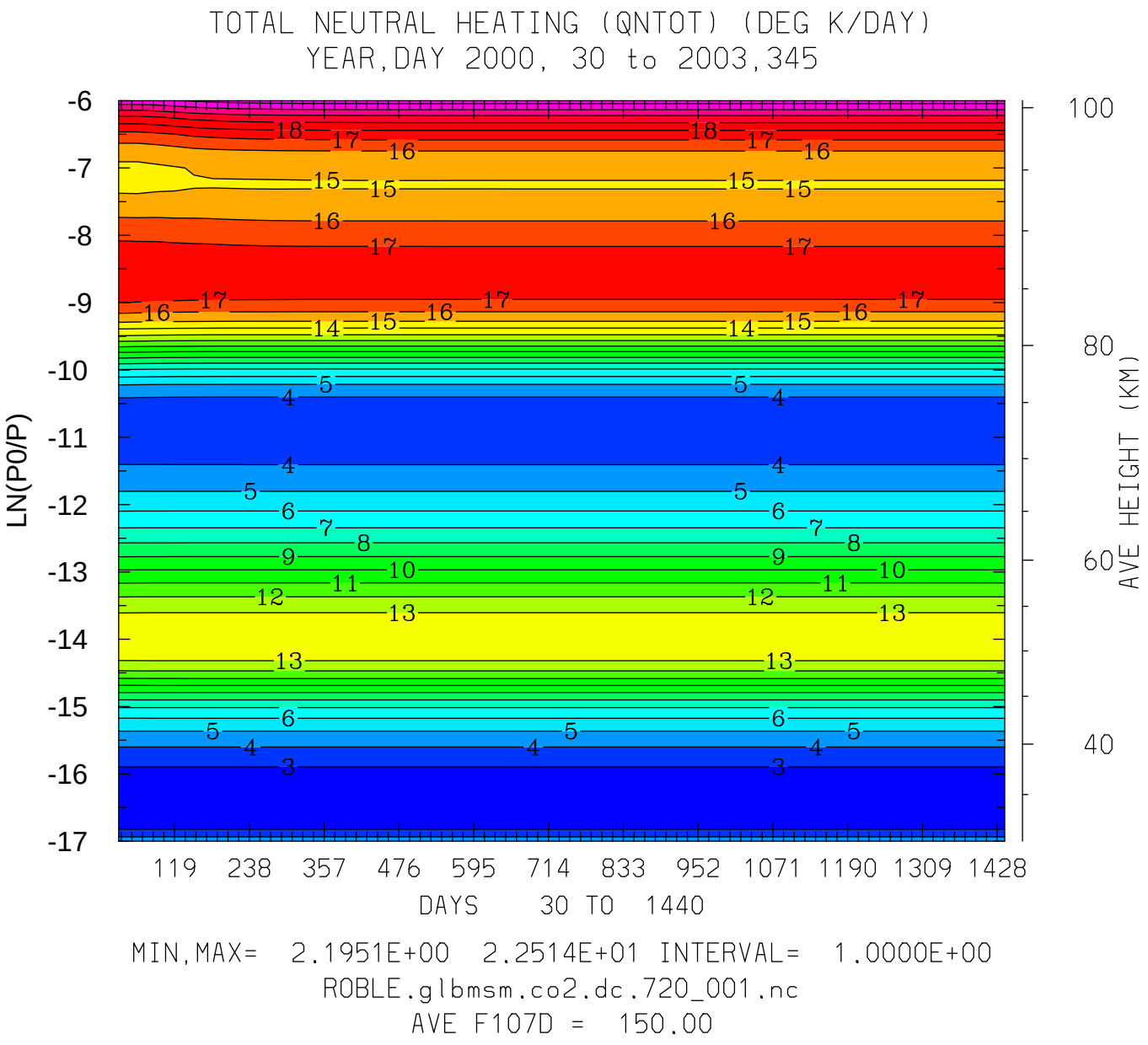
AVE F107D = 150.00

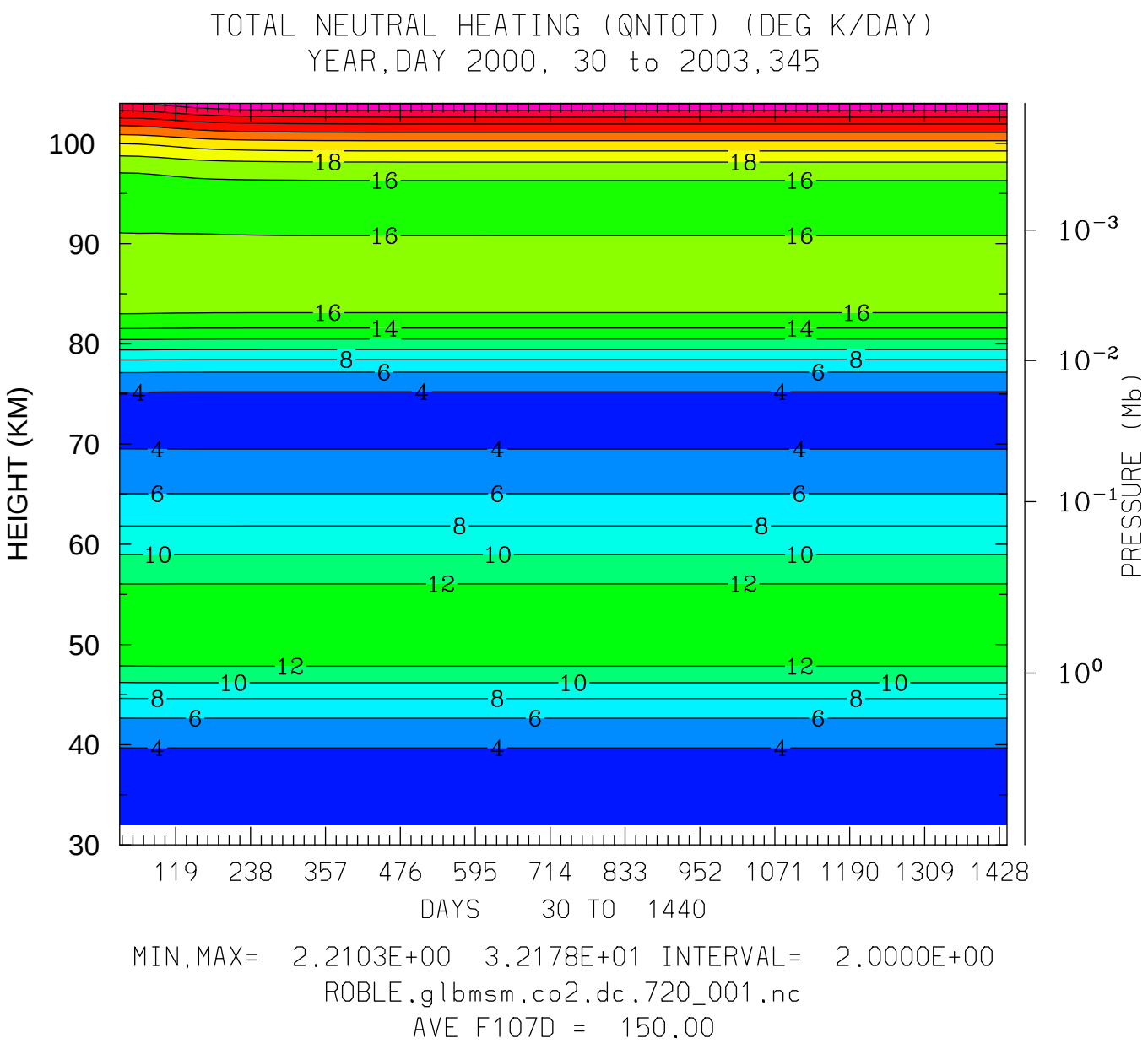

MOLECULAR HYDROGEN (XNH2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.00000425
.00000425
.00000425
.00000400
.00000400
.00000375
.00000375
.00000375
.00000125
.00000100
.00000100
.00000100
.00000075
.00000075
.00000075
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 5.0001E-07 4.3694E-06 INTERVAL= 2.5000E-07
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

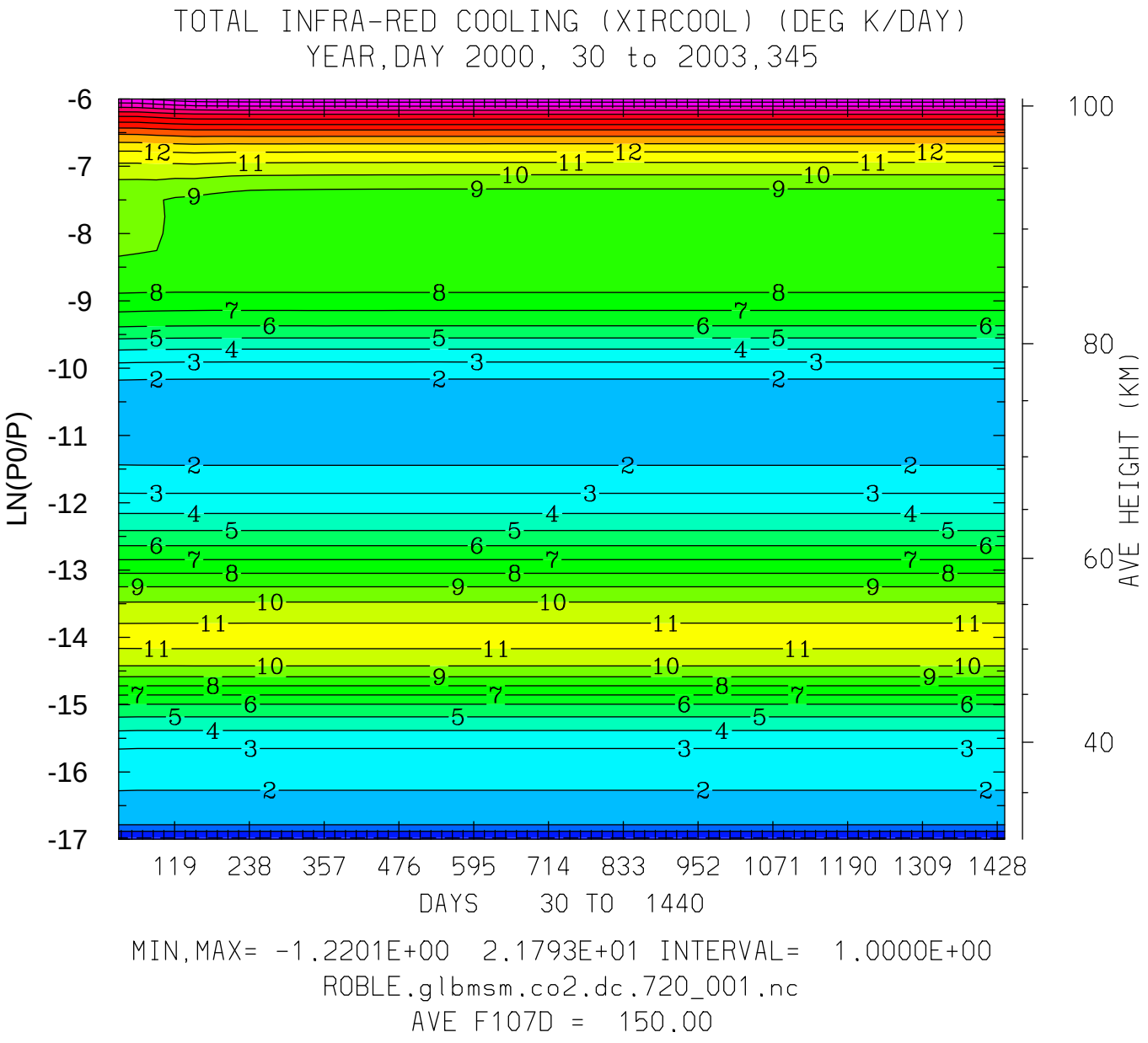

MOLECULAR HYDROGEN (XNH2) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.00000425
.00000425
.00000425
.00000400
.00000375
.00000375
.00000375
.00000125
.00000100
.00000100
.00000100
.00000075
.00000075
.00000075
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 5.0092E-07 4.4162E-06 INTERVAL= 2.5000E-07
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

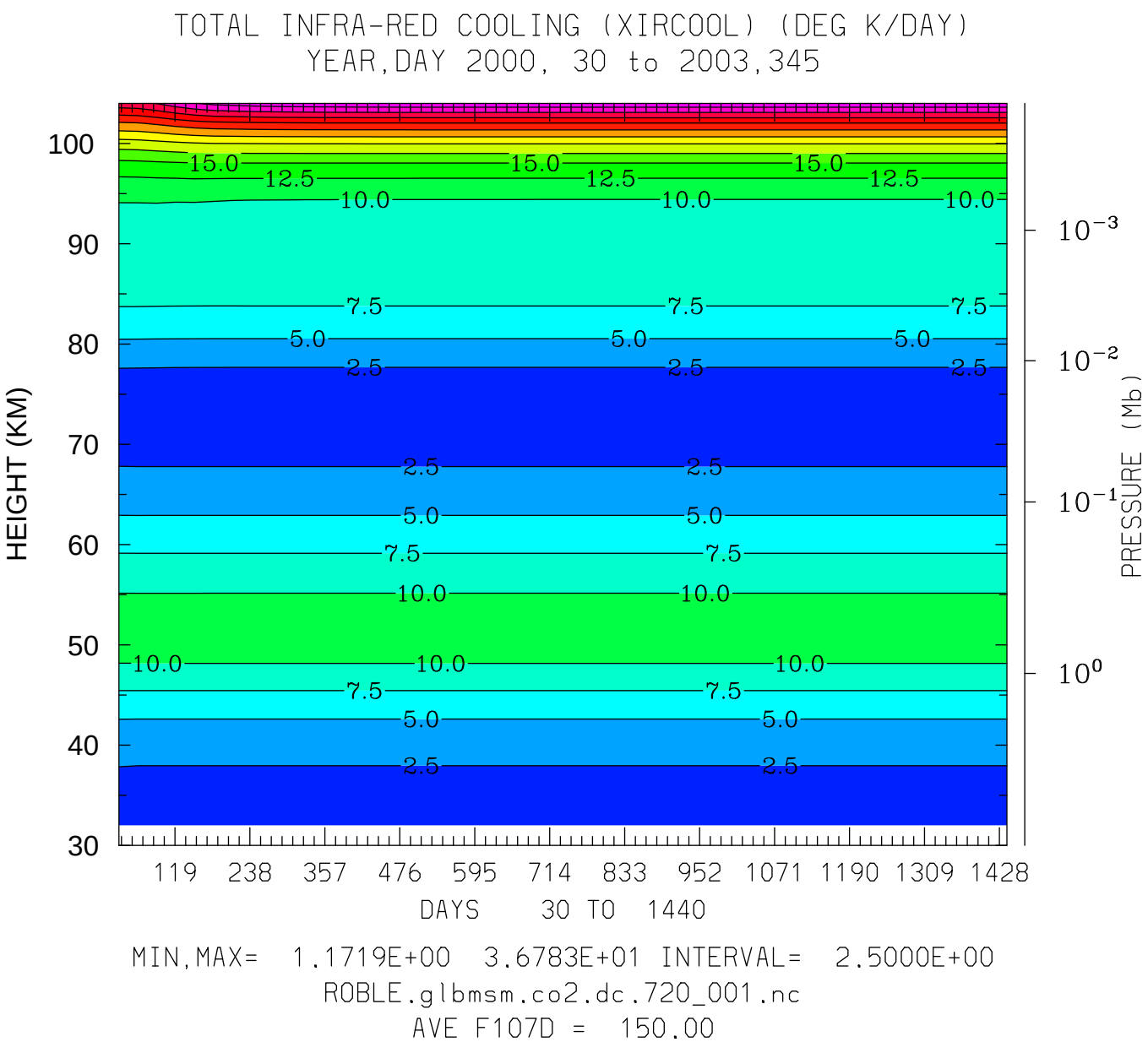

METHANE (XNCH4) (VMR)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
.00000005
.00000010
.00000030
.00000035
.00000040
.00000045
.00000060
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 3.0699E-09 6.7001E-07 INTERVAL= 5.0000E-08
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

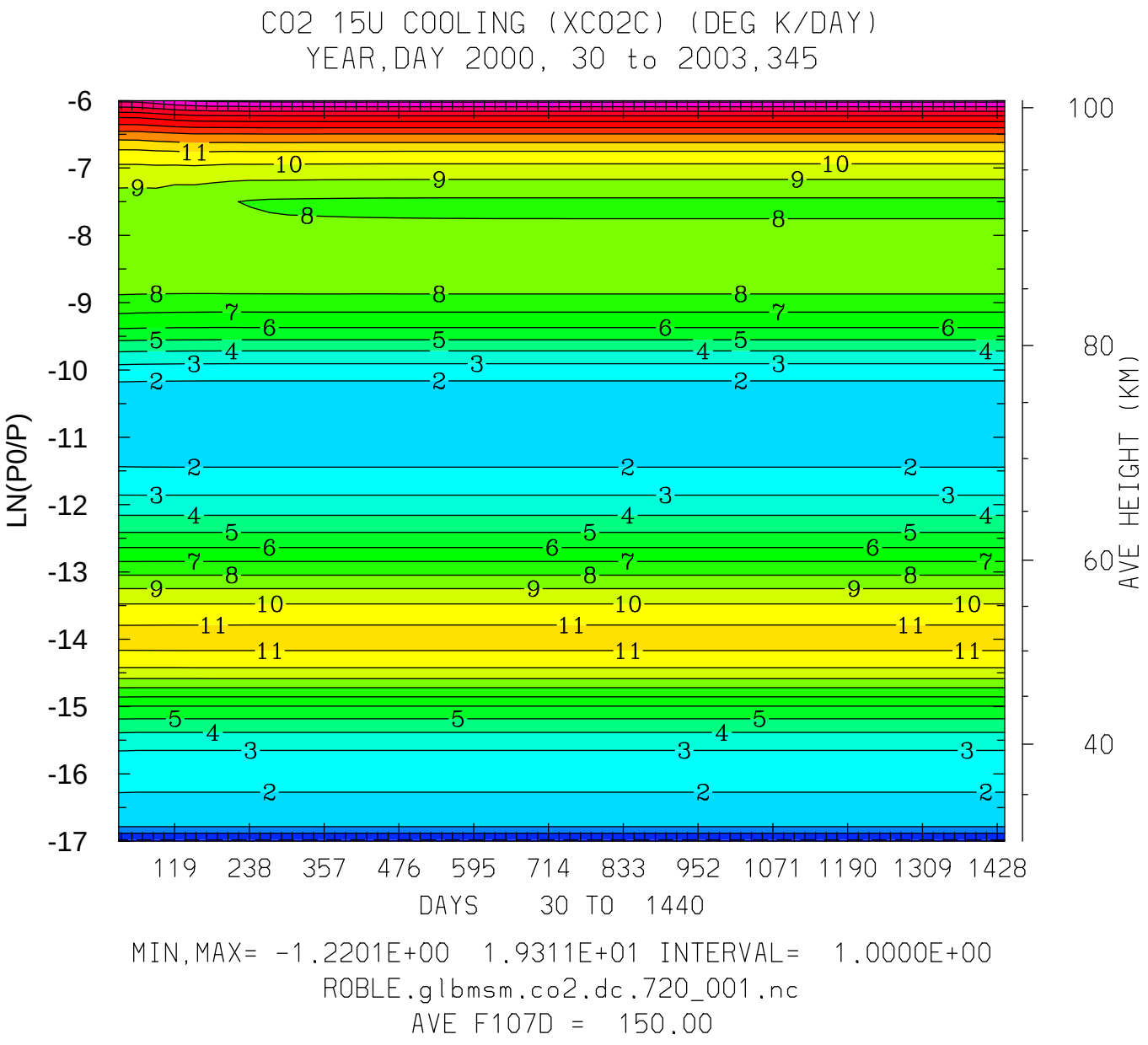

METHANE (XNCH4) (VMR)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.00000005
.00000005
.00000005
.00000030
.00000030
.00000030
.00000035
.00000035
.00000035
.00000040
.00000040
.00000040
.00000045
.00000045
.00000045
.00000050
.00000050
.00000050
.00000060
.00000060
.00000060
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.1844E-09 6.5201E-07 INTERVAL= 5.0000E-08
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

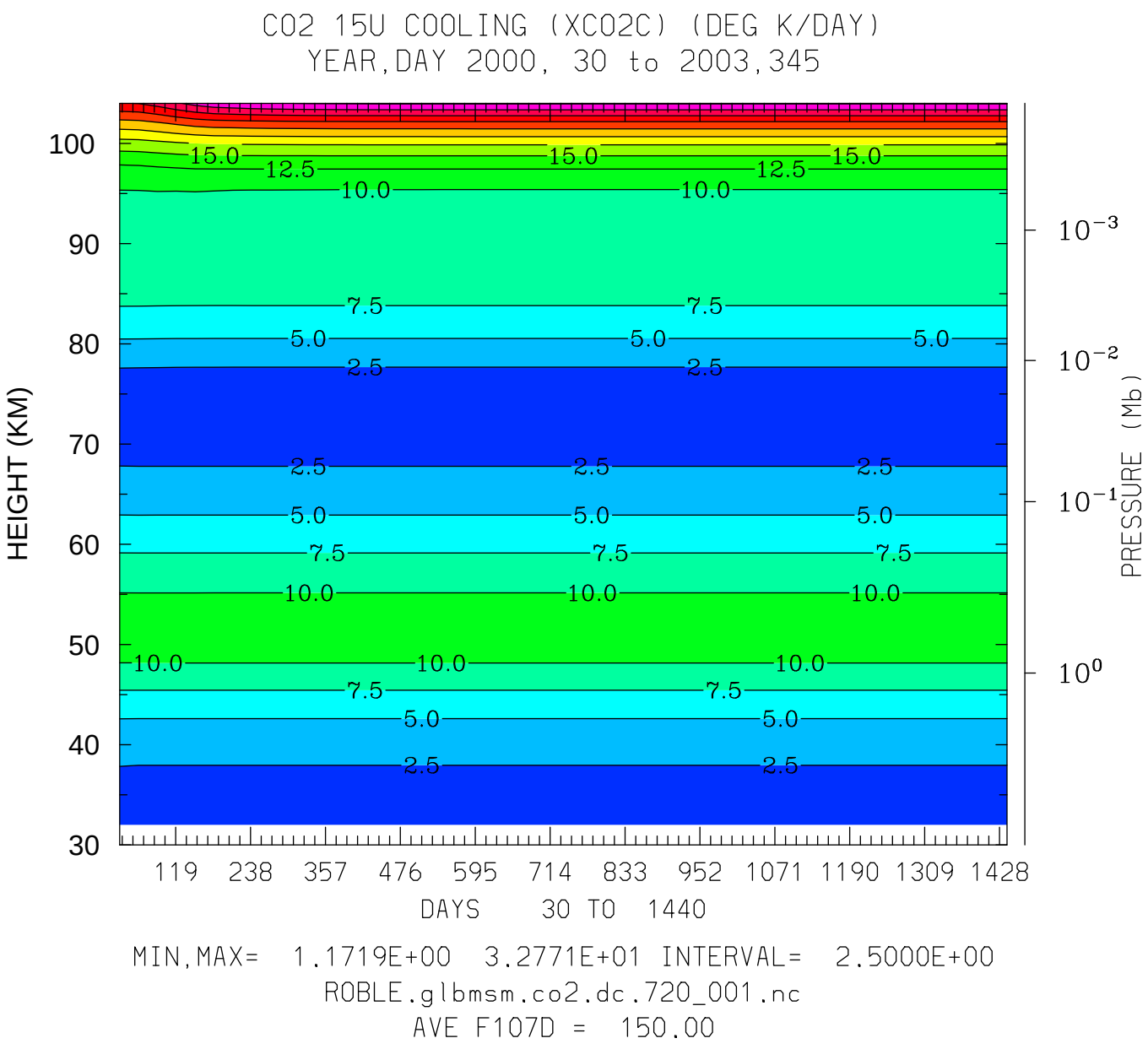

TOTAL NEUTRAL HEATING (QNTOT) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
AVE HEIGHT (KM)
100
80
60
40
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.1951E+00 2.2514E+01 INTERVAL= 1.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

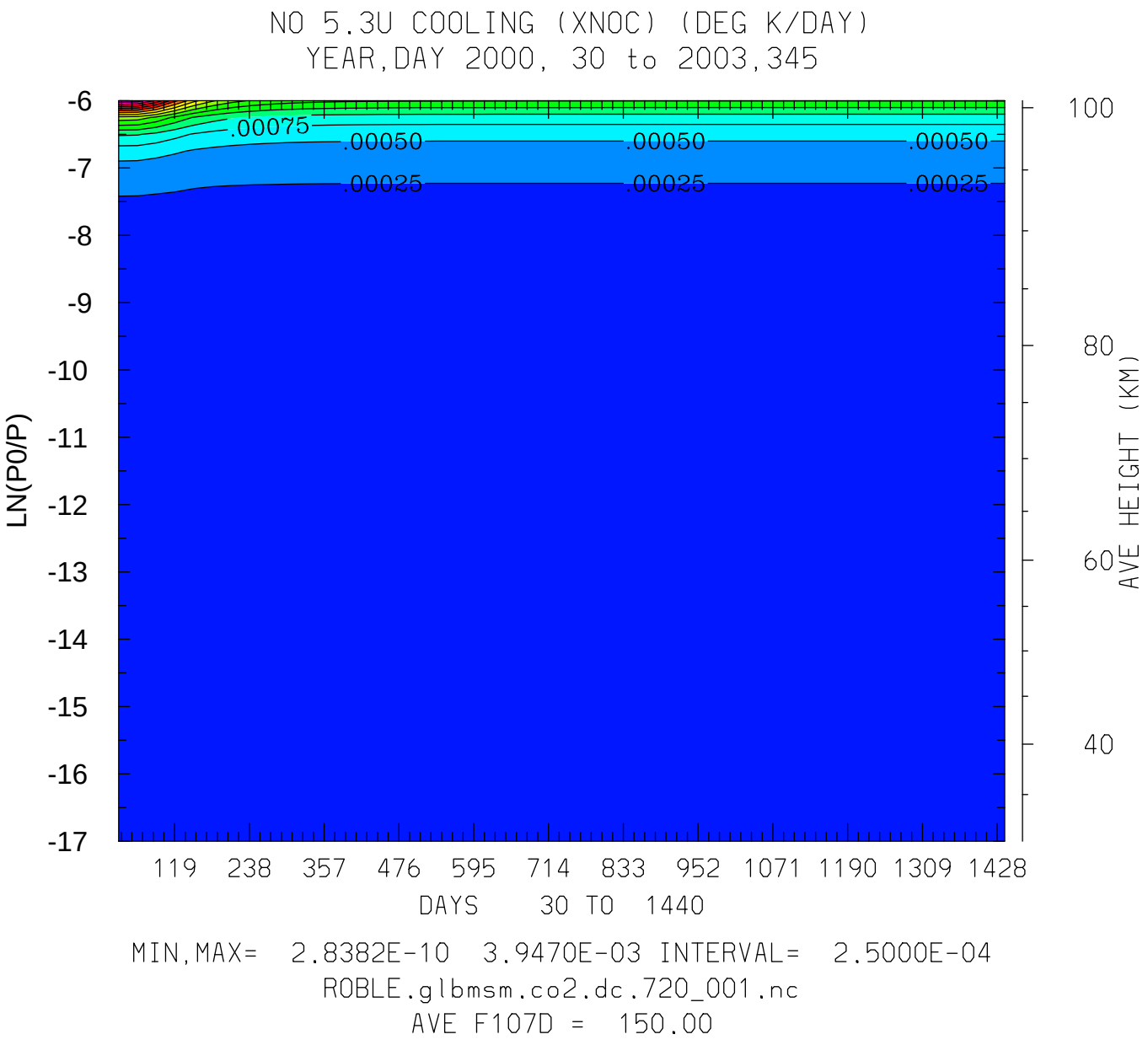

TOTAL NEUTRAL HEATING (QNTOT) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.2103E+00 3.2178E+01 INTERVAL= 2.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

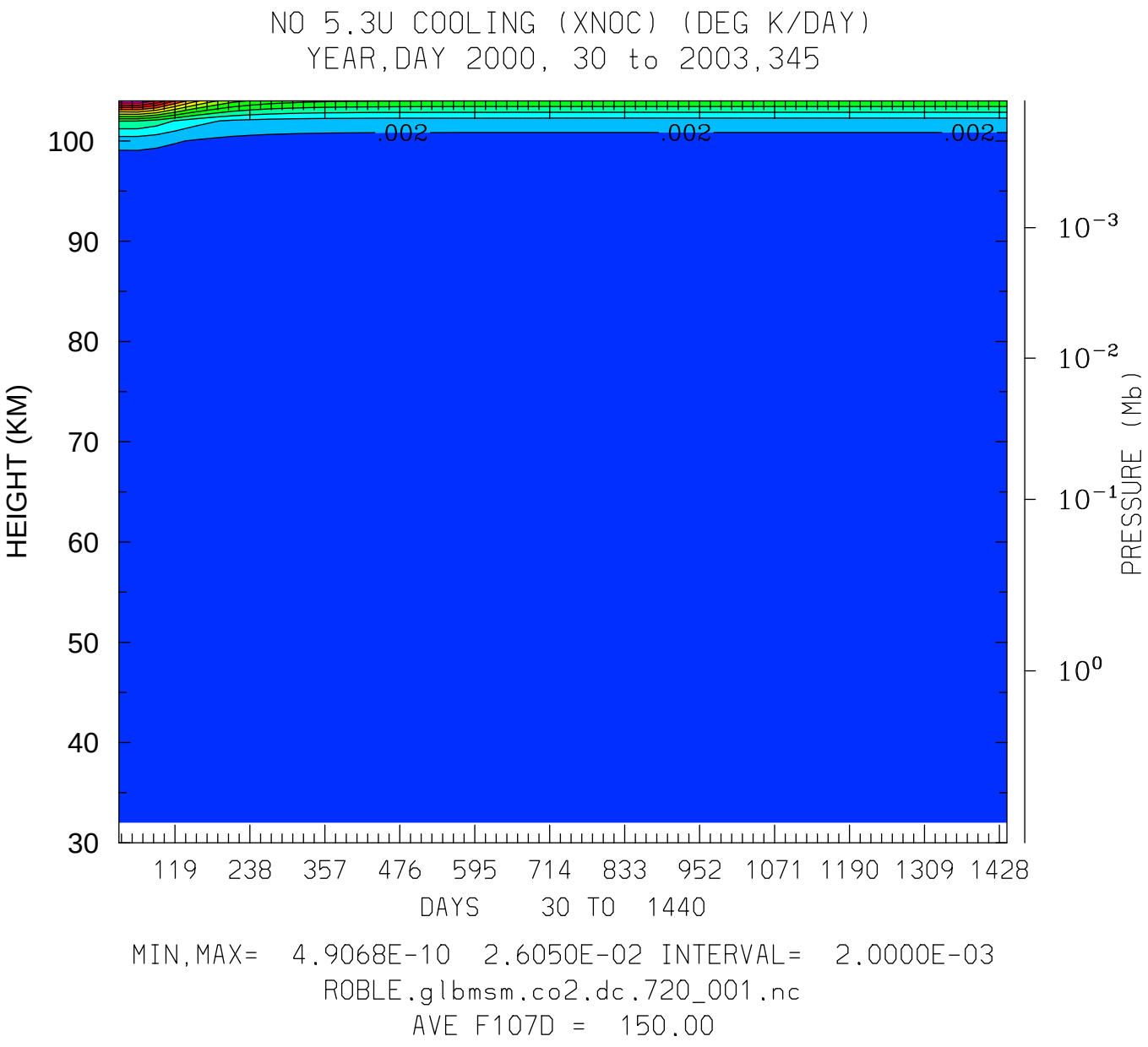

TOTAL INFRA-RED COOLING (XIRCOOL) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
AVE HEIGHT (KM)
100
80
60
40
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -1.2201E+00 2.1793E+01 INTERVAL= 1.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

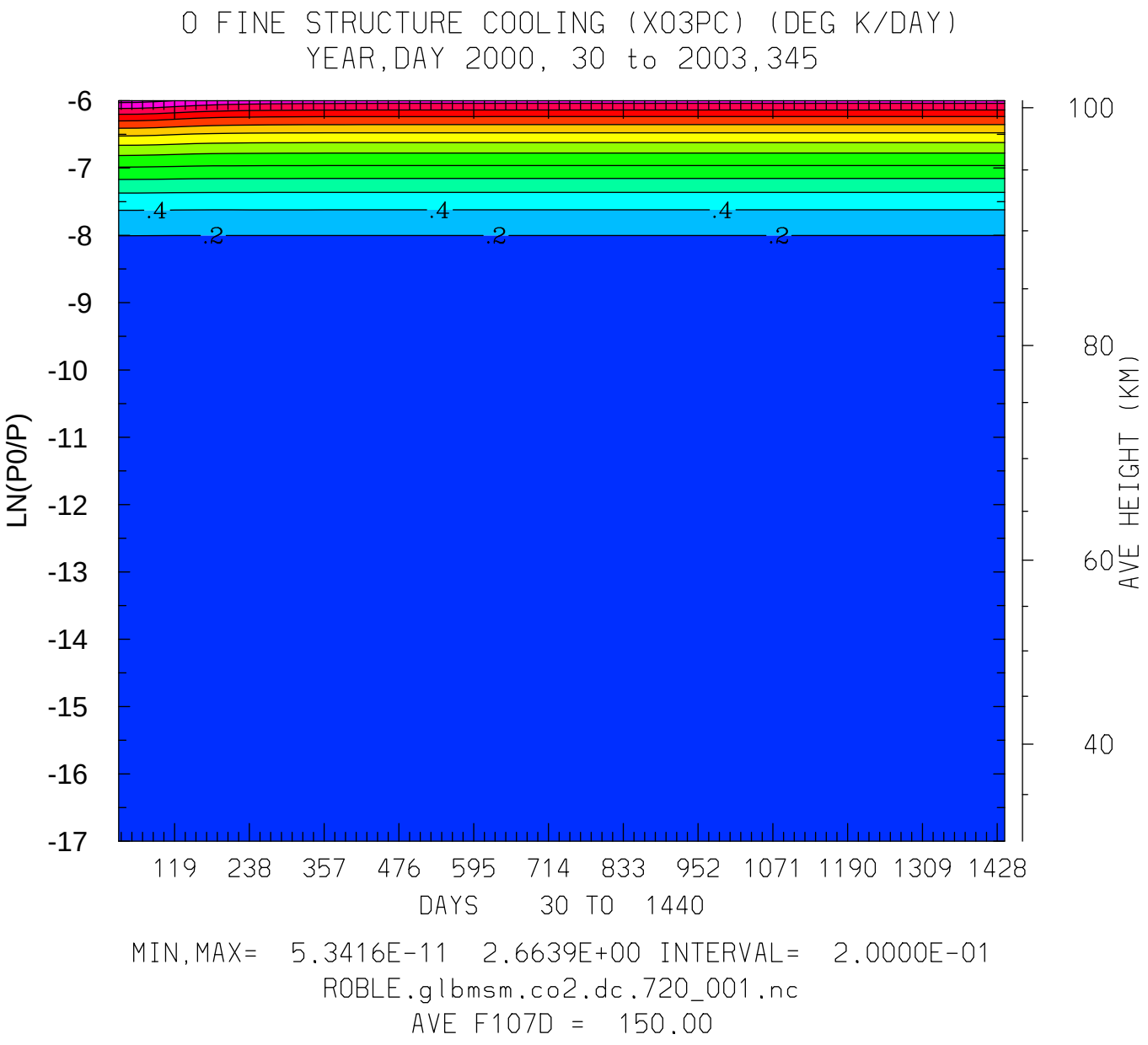

TOTAL INFRA-RED COOLING (XIRCOOL) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
15.0
12.5
10.0
7.5
5.0
2.5
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.1719E+00 3.6783E+01 INTERVAL= 2.5000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

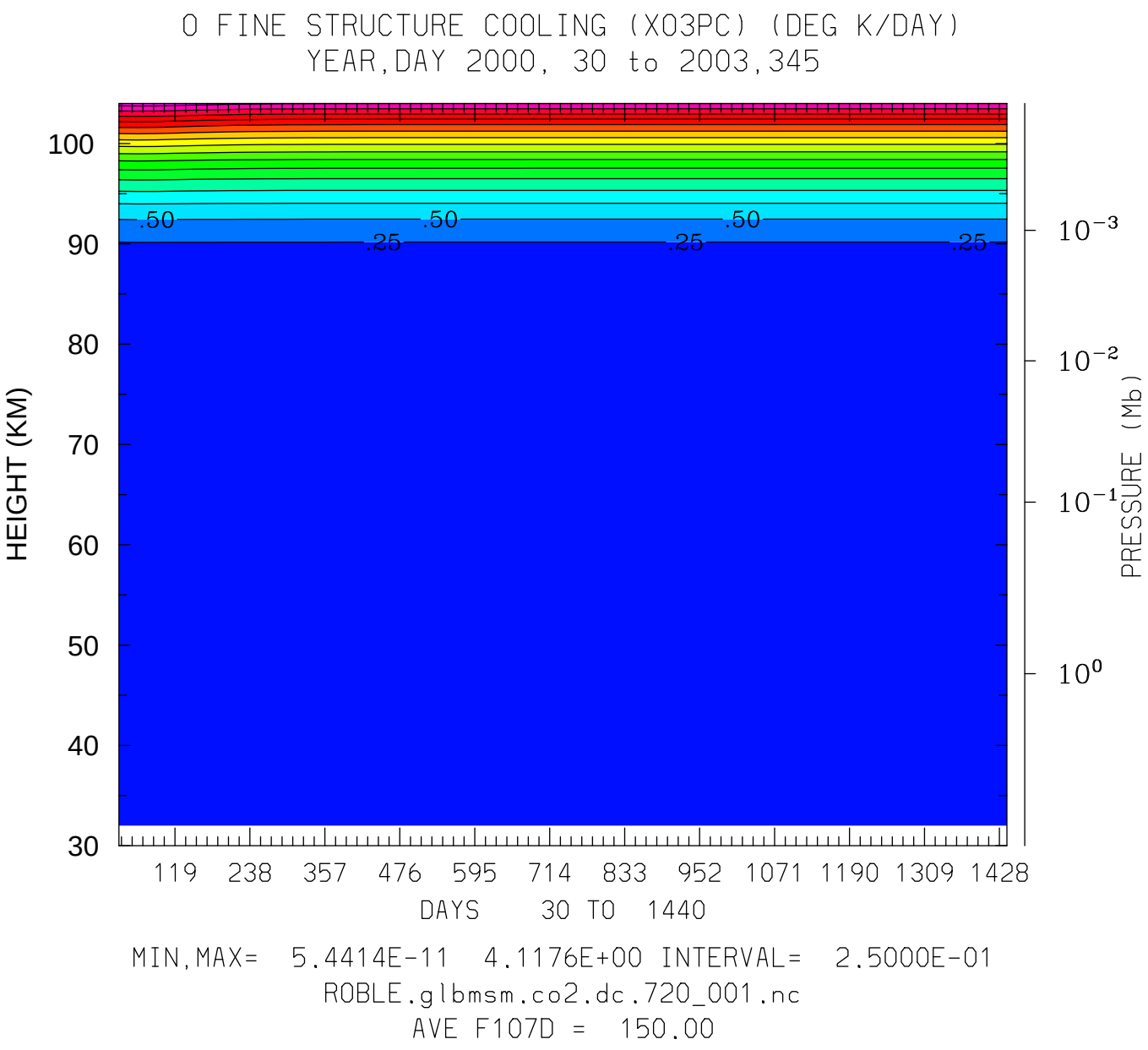

CO2 15U COOLING (XCO2C) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -1.2201E+00 1.9311E+01 INTERVAL= 1.0000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

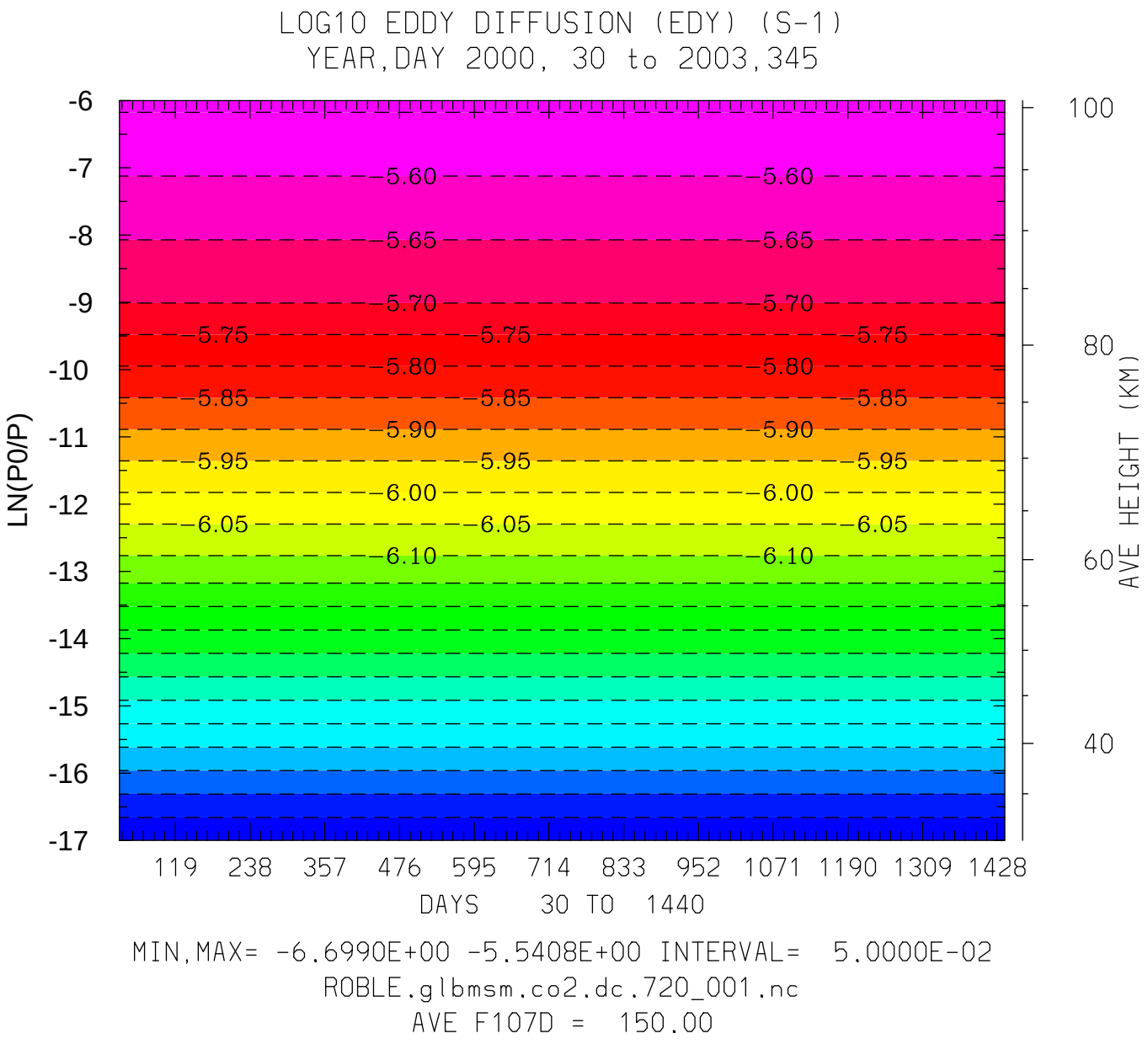

CO2 15U COOLING (XCO2C) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
15.0
12.5
10.0
7.5
5.0
2.5
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 1.1719E+00 3.2771E+01 INTERVAL= 2.5000E+00
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

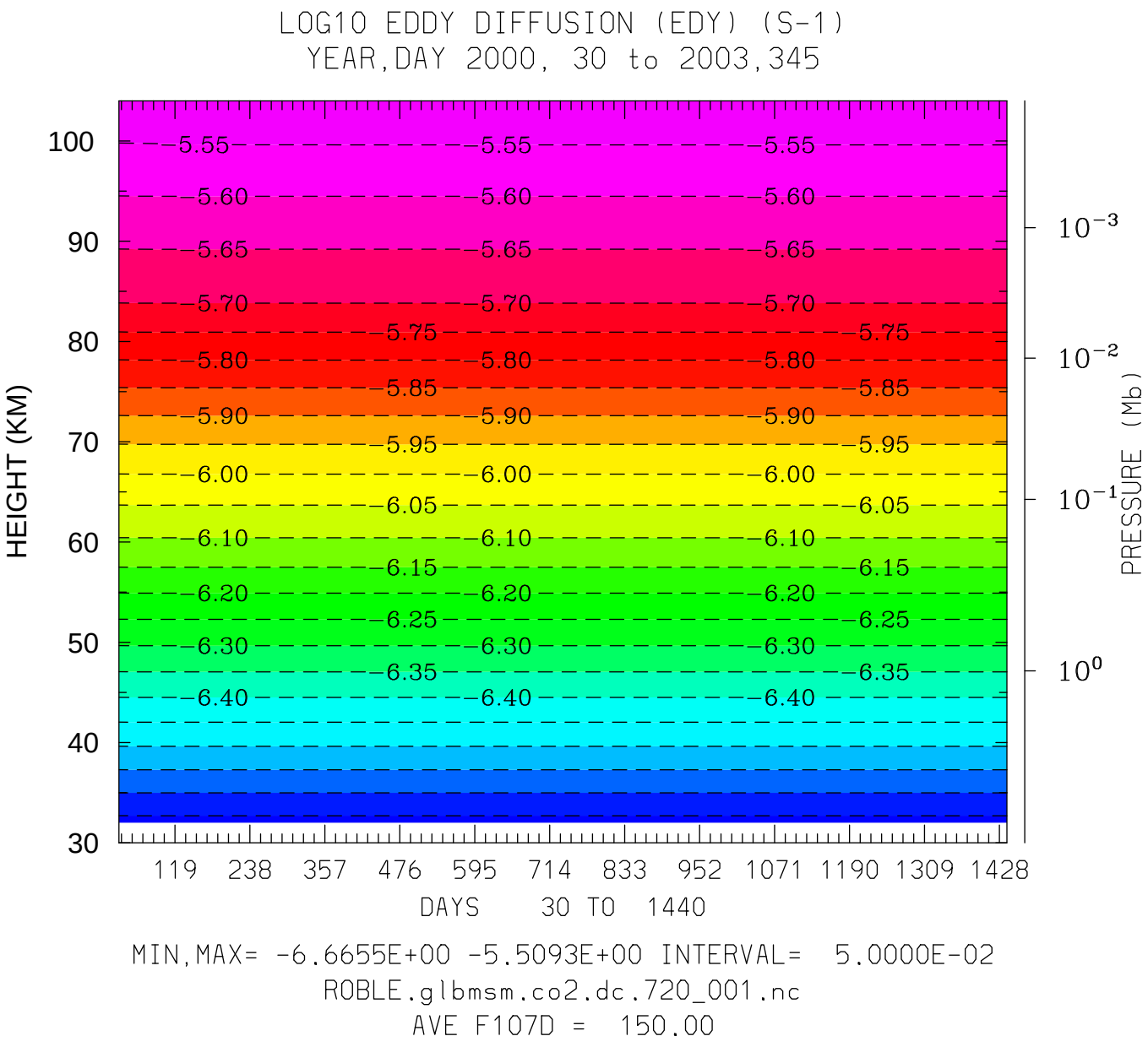

NO 5.3U COOLING (XNOC) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
.00075
.00050
.00050
.00050
.00025
.00025
.00025
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 2.8382E-10 3.9470E-03 INTERVAL= 2.5000E-04
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

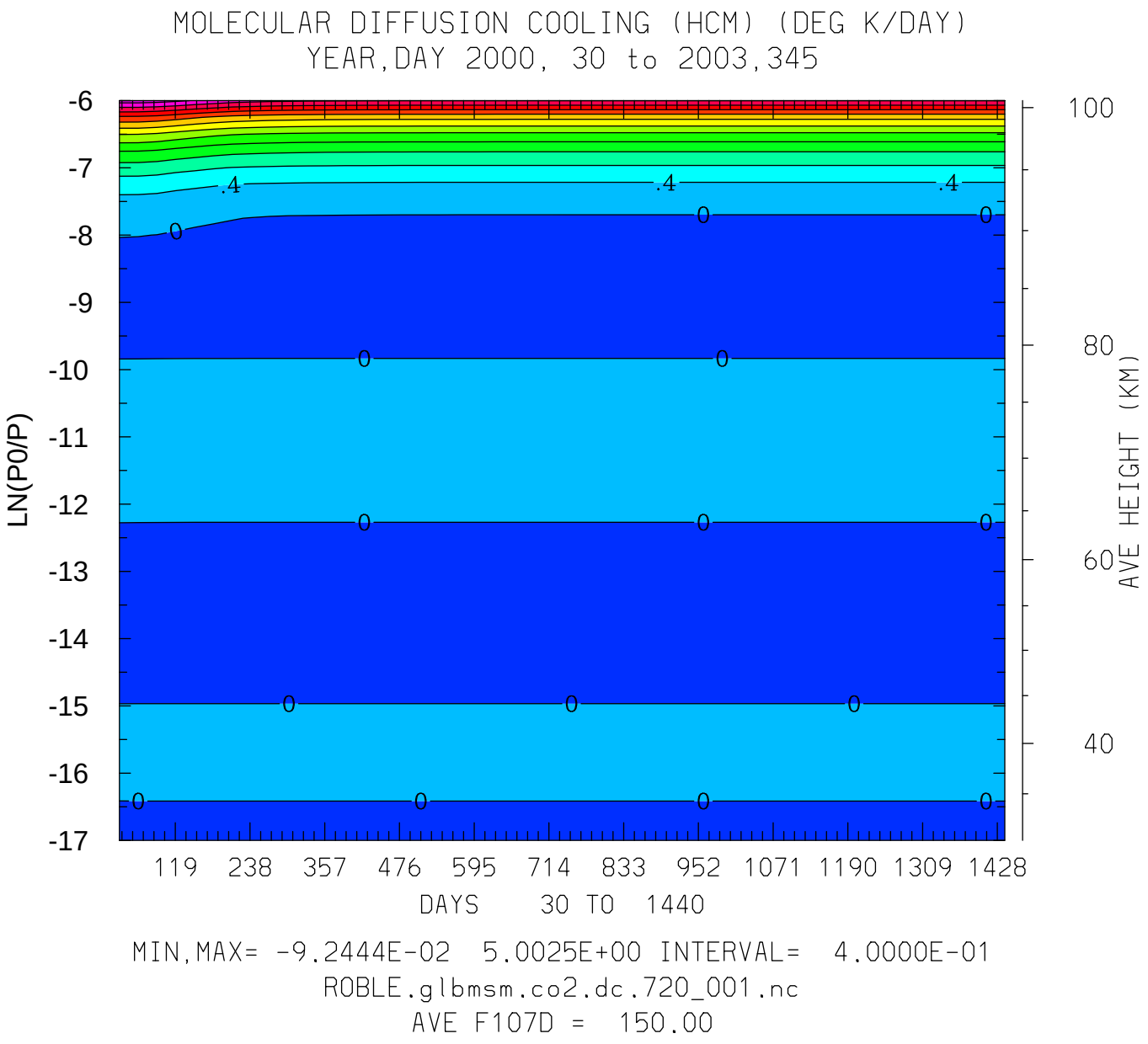

NO 5.3U COOLING (XNOC) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.002
.002
.002
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 4.9068E-10 2.6050E-02 INTERVAL= 2.0000E-03
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

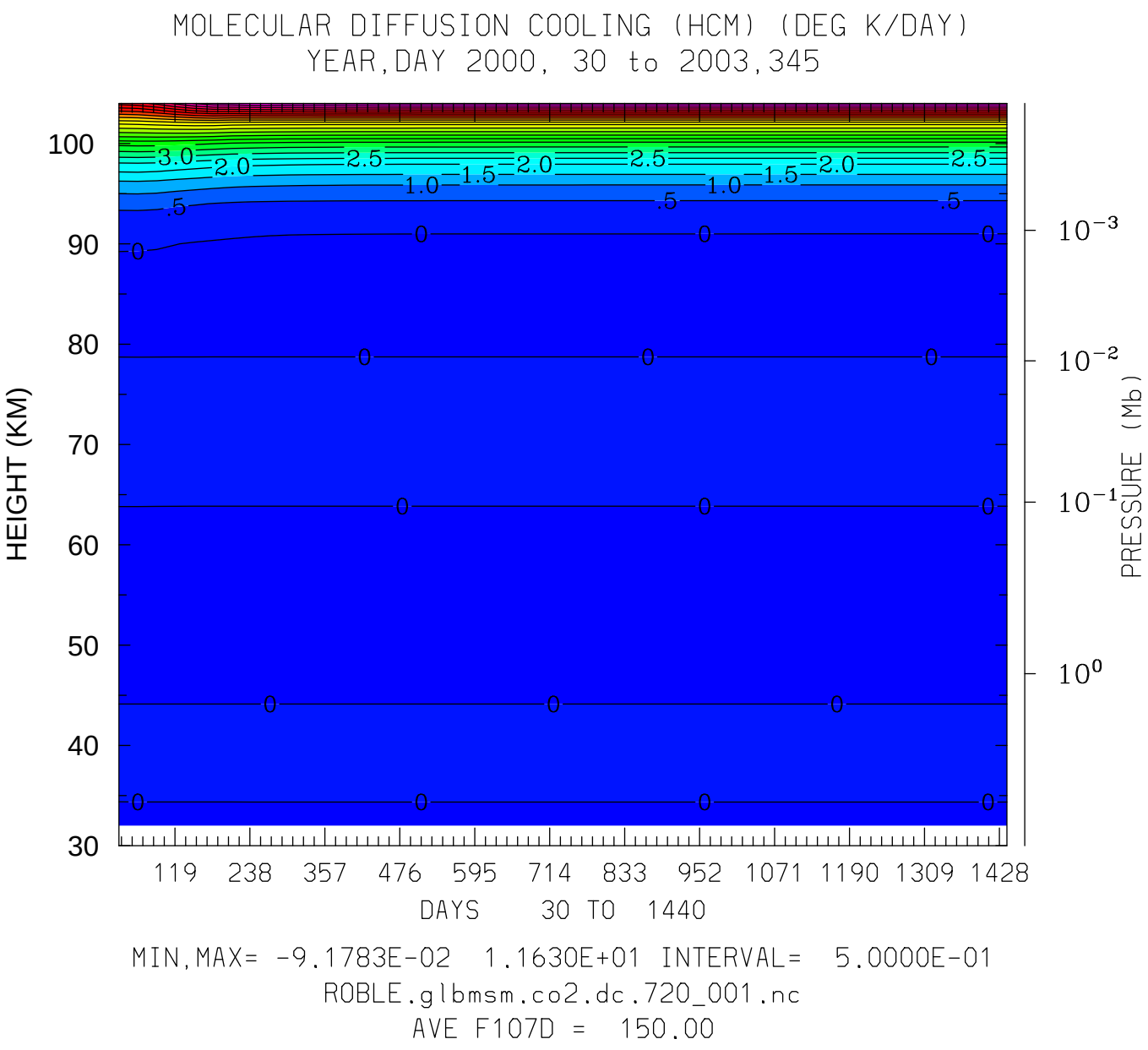

O FINE STRUCTURE COOLING (XO3PC) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
LN(P0/P)
.4
.4
.4
.2
.2
.2
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 5.3416E-11 2.6639E+00 INTERVAL= 2.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

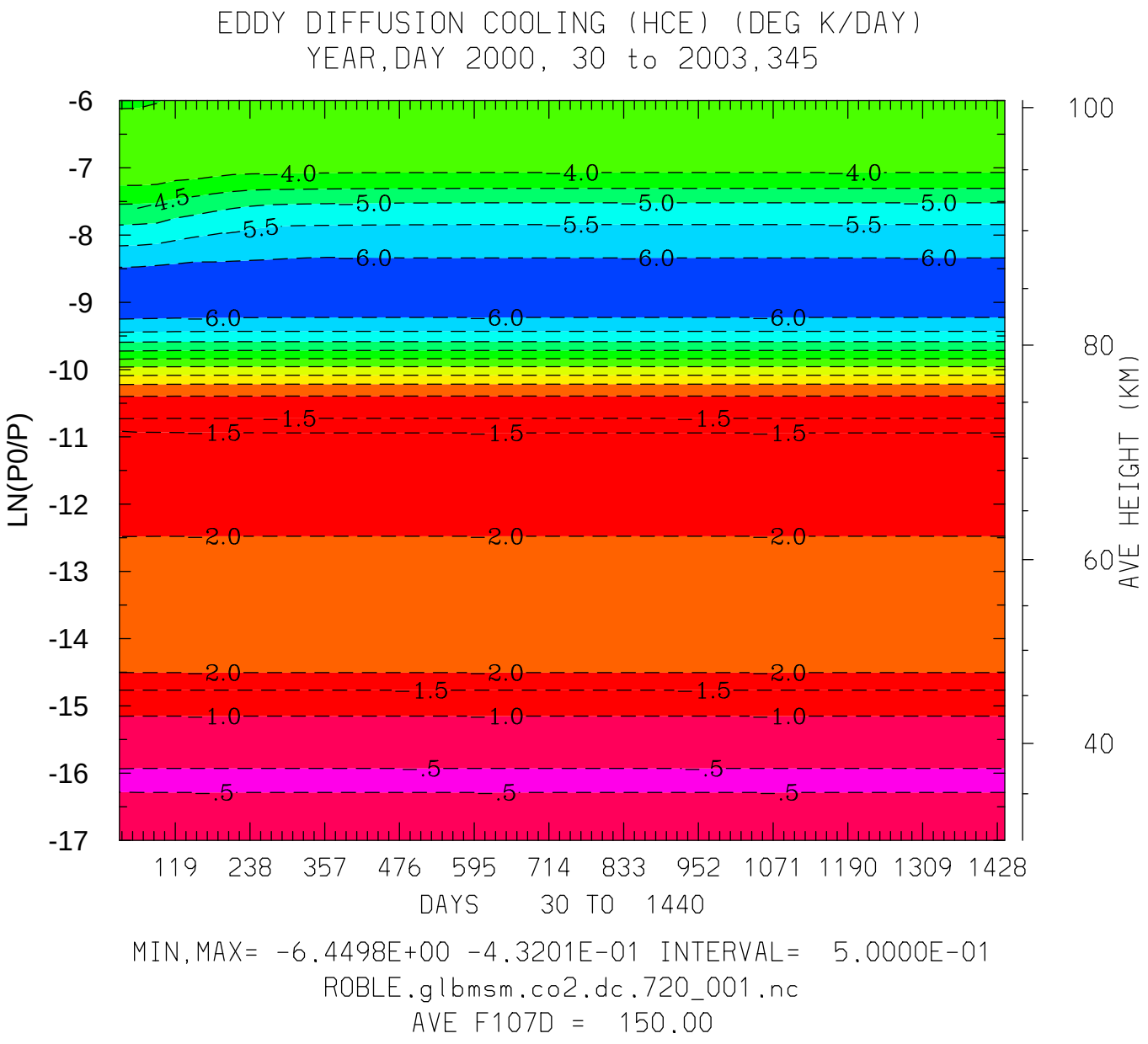

O FINE STRUCTURE COOLING (XO3PC) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
.50
.50
.50
.25
.25
.25
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= 5.4414E-11 4.1176E+00 INTERVAL= 2.5000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

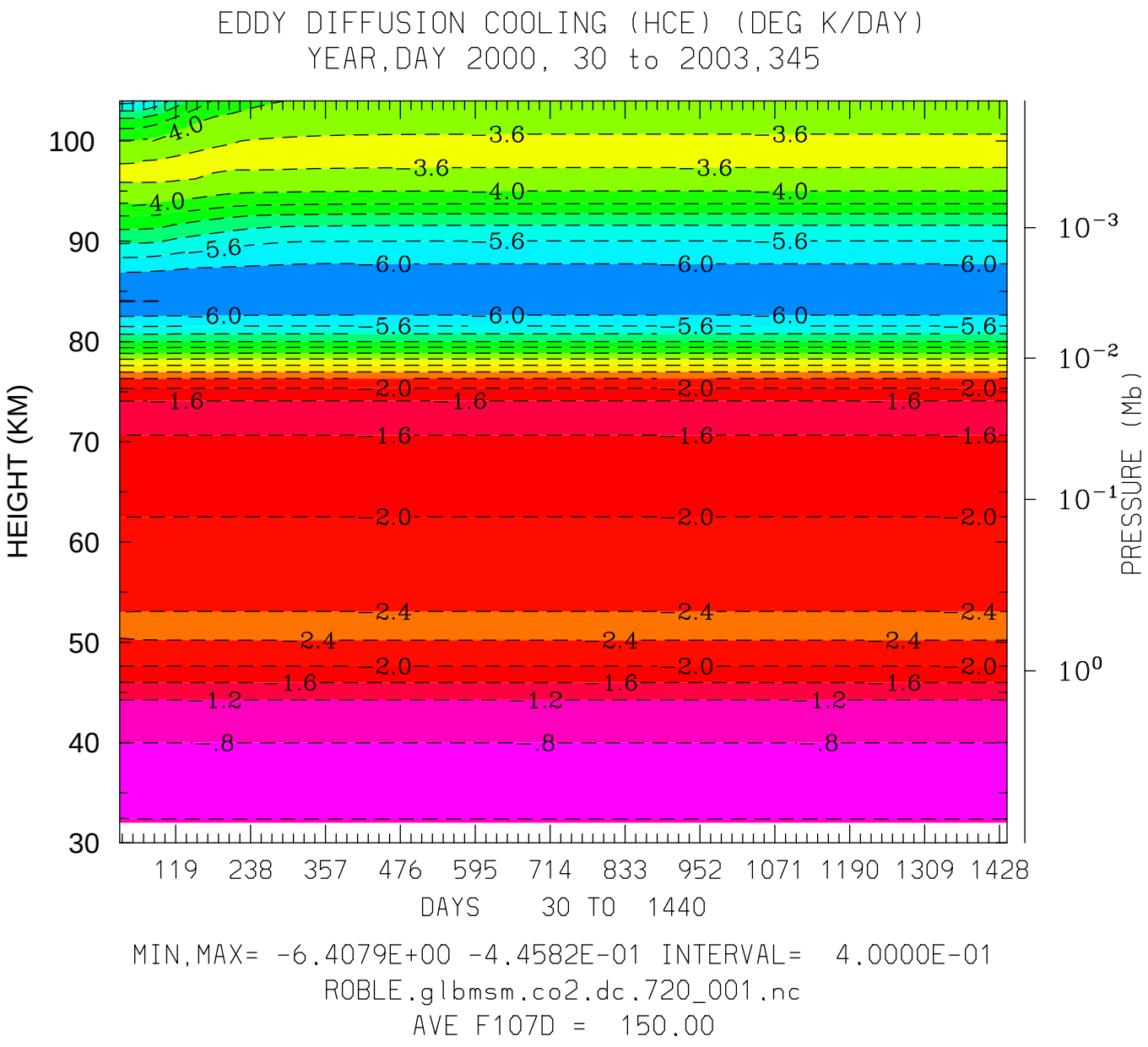

LOG10 EDDY DIFFUSION (EDY) (S-1)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
-5.60
-5.65
-5.70
-5.75
-5.80
-5.85
-5.90
-5.95
-6.00
-6.05
-6.10
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -6.6990E+00 -5.5408E+00 INTERVAL= 5.0000E-02
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

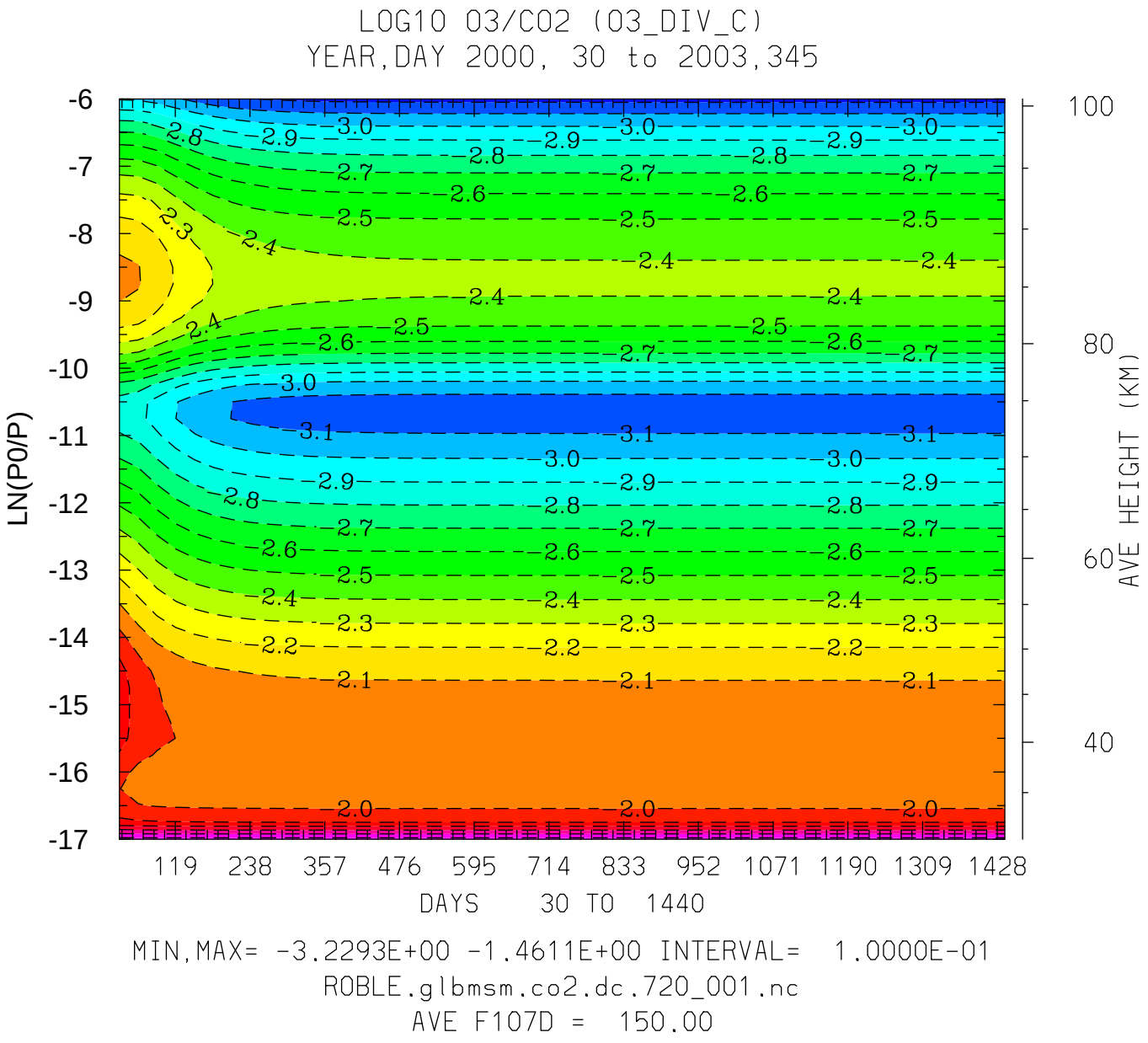

LOG10 EDDY DIFFUSION (EDY) (S-1)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
-5.55
-5.60
-5.65
-5.70
-5.75
-5.80
-5.85
-5.90
-5.95
-6.00
-6.05
-6.10
-6.15
-6.20
-6.25
-6.30
-6.35
-6.40
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -6.6655E+00 -5.5093E+00 INTERVAL= 5.0000E-02
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

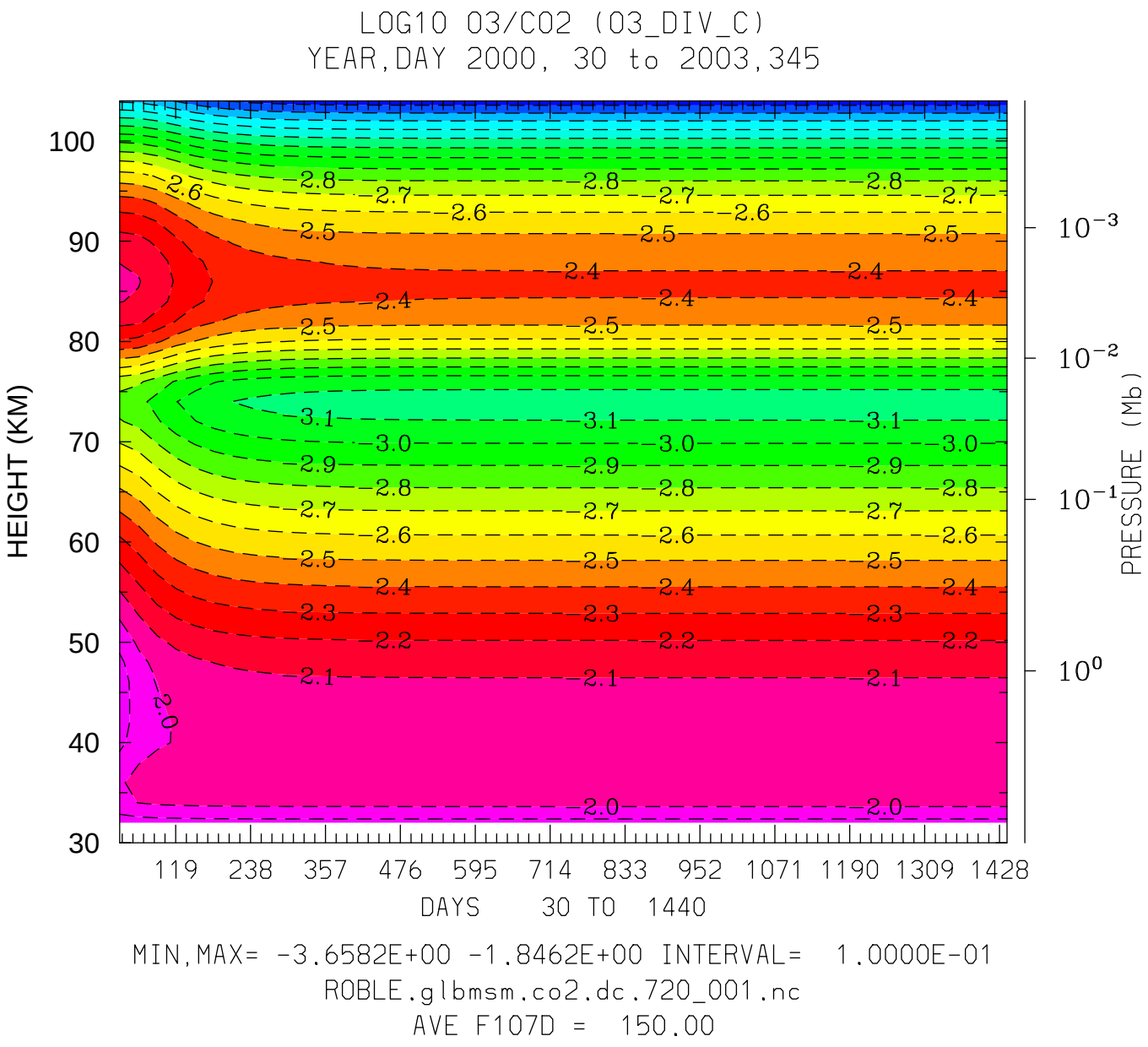

MOLECULAR DIFFUSION COOLING (HCM) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
.4
0
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -9.2444E-02 5.0025E+00 INTERVAL= 4.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


MOLECULAR DIFFUSION COOLING (HCM) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
3.0
2.0
2.5
1.5
1.0
.5
0
10^{-3}
10^{-2}
10^{-1}
10^{0}
PRESSURE (Mb)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -9.1783E-02 1.1630E+01 INTERVAL= 5.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


EDDY DIFFUSION COOLING (HCE) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
4.0
4.5
5.0
5.5
6.0
1.5
2.0
1.0
.5
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -6.4498E+00 -4.3201E-01 INTERVAL= 5.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00


EDDY DIFFUSION COOLING (HCE) (DEG K/DAY)
YEAR,DAY 2000, 30 to 2003,345
HEIGHT (KM)
100
90
80
70
60
50
40
30
PRESSURE (Mb)
10^{-3}
10^{-2}
10^{-1}
10^{0}
4.0
3.6
5.6
6.0
2.0
1.6
2.4
1.2
.8
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -6.4079E+00 -4.4582E-01 INTERVAL= 4.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

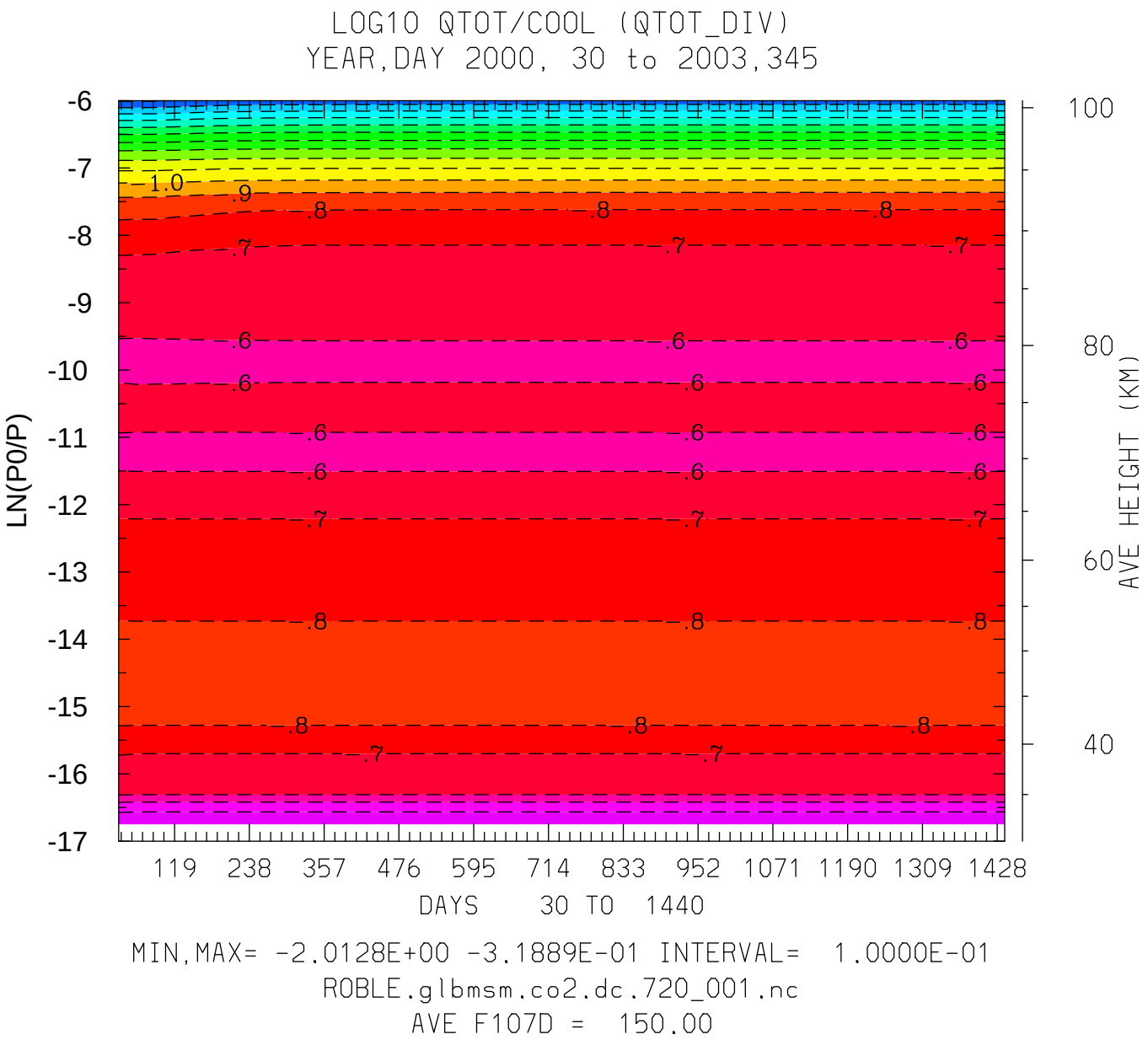

LOG10 O3/CO2 (O3_DIV_C)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -3.2293E+00 -1.4611E+00 INTERVAL= 1.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00

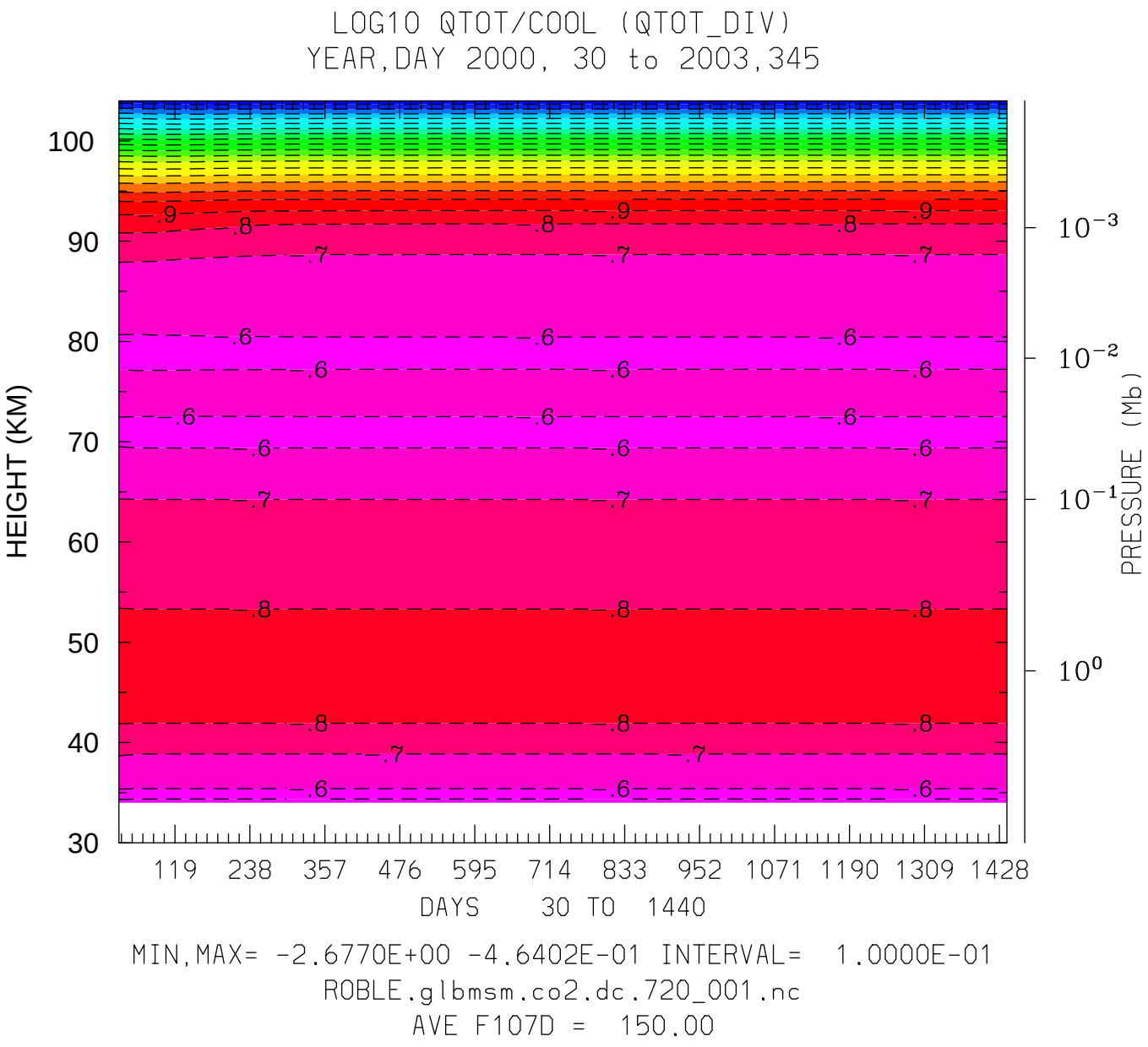


MIN,MAX= -3.6582E+00 -1.8462E+00 INTERVAL= 1.0000E-01

ROBLE.glbmsm.co2.dc.720_001.nc

AVE F107D = 150.00


LOG10 QTOT/COOL (QTOT_DIV)
YEAR,DAY 2000, 30 to 2003,345
LN(P0/P)
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
1.0
.9
.8
.7
.6
100
80
60
40
AVE HEIGHT (KM)
119 238 357 476 595 714 833 952 1071 1190 1309 1428
DAYS 30 TO 1440
MIN,MAX= -2.0128E+00 -3.1889E-01 INTERVAL= 1.0000E-01
ROBLE.glbmsm.co2.dc.720_001.nc
AVE F107D = 150.00



MIN,MAX= -2.6770E+00 -4.6402E-01 INTERVAL= 1.0000E-01

ROBLE.glbmsm.co2.dc.720_001.nc

AVE F107D = 150.00